



National Idling Reduction Network News

April 2014

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Clean Air Fleets (GPS and retrofit technologies to support idle reduction in the Denver Metro area and Colorado Front Range)	~\$1 million	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290, or cleanairfleets.org
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html

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Minnesota Pollution Control Agency (MPCA)	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-environmental-improvement-loan-program.html
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
Massachusetts Department of Environmental Protection (MassDEP)	MassCleanDiesel: Clean Markets Program Grants	~\$275,000	May 16, 2014	mass.gov/eea/agencies/massdep/air/grants/masscleandiesel-clean-markets-program-grants.html
New York State Energy Research and Development Authority	Institutionalizing Integrated Solutions Supporting Accessible Multimodal Transportation Networks, Program Opportunity Notice No. 2881	\$3 million	May 29, 2014	nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2881-Institutionalizing-Integrated-Solutions-Supporting-Transportation.aspx
Pennsylvania Department of Environmental Protection	State Clean Diesel Grant Program	\$174,428	June 10, 2014	pabulletin.com/secure/data/vol44/44-17/886.html
U.S. Department of Energy (DOE)	Zero Emission Cargo Transport (ZECT) Demonstration Project	\$10 million	June 11, 2014	eere-exchange.energy.gov/default.aspx
Maryland Energy Administration	Maryland Idle Reduction Technology Grant Program	\$202,000	First come, first served, but no later than September 1, 2014	energy.maryland.gov/Transportation/idle/
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	Up to \$300,000	September 1, 2014	epa.ohio.gov/oe/EnvironmentalEducation.aspx#LiveTabsContent131361
New Hampshire Department of Environmental Services, Air Division	Diesel Emissions Reduction Rebate Program	\$69,800	First come, first served, as long as funds remain but no later than September 30, 2014	des.nh.gov/organization/divisions/air/tbs/tps/msp/diesel-vehicles/documents/dera-state-program.pdf
North Carolina Department of Environment and Natural Resources, Division of Air Quality	APU/Idle Reduction Device Rebate Program	~\$7,500	First-come, first served, as long as funds remain but no later than September 30, 2014	daq.state.nc.us/motor/Rebates/

REGULATORY NEWS

Vermont Idling Law To Take Effect

On May 5, Vermont's new idling law goes into effect. Vermont's Act 57, signed into law last year, restricts the idling of all motor vehicles to no more than 5 minutes in any 60-minute period. The law includes many exemptions, including emergency vehicles, armored vehicles, and work trucks. A sleeper berth exemption applies to trucks with a model year of 2017 or earlier. A first offense will come with a penalty of no more than \$10; a second offense, no more than \$50; and a third or subsequent violation, no more than \$100.

Vermont was the last of the New England states to pass a law restricting idling. For more information, please see leg.state.vt.us/statutes/fullsection.cfm?Title=23&Chapter=013&Section=01110 and idlefreevt.org/idling-laws.html.

Washington To Establish Revolving Loan Program for Emissions Reduction Projects

Washington state's House Bill 2569, which establishes a revolving loan account for the purchase of diesel emissions-reducing equipment by local governments, has been signed into law by Governor Jay Inslee. Eligible equipment includes electrified parking spaces and truck stops; shore connection systems for marine vessels and locomotives; auxiliary power units and generator sets; fuel-operated heaters or direct-fired heaters (including engine fluid preheaters and cab air heaters); battery-powered systems (including battery powered heating and air-conditioning systems); thermal storage systems; and automatic engine start-up and shutdown systems. It will also fund projects to augment or replace diesel engines or

power systems with engines or power systems that use liquefied or compressed natural gas as well as "other operation or maintenance efficiencies that achieve emission reduction benefits for the public." The law takes effect on June 12, 2014.

Vehicles that operate at least 50% time in Washington will be eligible for loans. The Washington Department of Ecology will oversee the loan program. To read the text of the bill, please go to apps.leg.wa.gov/documents/billdocs/2013-14/Pdf/Bills/House%20Passed%20Legislature/2569-S2.PL.pdf.

Maryland Increases APU Weight Exemption to 550 lb

On April 8, Maryland Governor Martin O'Malley signed into law Senate Bill (SB) 72, An Act Concerning Motor Vehicles—Weight and Axle Load Limits. The bill, passed unanimously by the Senate and House, increases the

exempt weight for idle reduction devices on heavy-duty trucks from 400 to 550 lb. The law will take effect on October 1, 2014. To read the text of the bill as passed, please go to legiscan.com/MD/text/SB72/2014.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Crestwood Local School District (Portage County, Ohio)	Ohio EPA	Installation of anti-idling equipment on 7 school buses	\$24,587
Dover City Schools (Tuscarawas County, Ohio)	Ohio EPA	Installation of emission control equipment on 5 school buses and anti-idling equipment on 14 school buses	\$40,358
Northern Local Schools (Perry County, Ohio)	Ohio EPA	Installation of emission control equipment on 3 school buses and anti-idling equipment on 26 school buses	\$70,228
Zane Trace Local School District (Ross County, Ohio)	Ohio EPA	Installation of emission control equipment on 8 school buses and anti-idling equipment on 14 school buses	\$43,080
Port of Hueneme	U.S. EPA	Completion of electrification of Wharf 1 to enable the supply of shoreside power to ocean-going vessels at all 3 berths simultaneously	\$500,000
Port of Tacoma	U.S. EPA	Repower of a Tier 0 switcher locomotive with a Tier 3+ engine equipped with an automatic start-stop system to reduce idling	\$601,949
Shorepower Technologies	NYSERDA	Development of a pilot project to design, install, and evaluate street-side electric connections for the Fire Department of the City of New York ambulances to reduce idling	\$360,000
Vermont Railway, Inc.	Department of Environmental Conservation, Vermont Air Quality and Climate Division	Installation of locomotive idle reduction technology	\$55,702

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Green Fleet	Behavior Modification Drives Green Fleet Goals	greenfleetmagazine.com/article/51967/behavior-modification-drives-green-fleet-goals?utm_campaign=topnews-20140328&utm_source=Email&utm_medium=Enewsletter
Green Fleet	Efficiency, Sustainability Gained Through Telematics	greenfleetmagazine.com/article/52024/efficiency-sustainability-gained-through-telematics

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Heavy Duty Trucking (HDT)	Auxiliary Power for Work Trucks	truckinginfo.com/channel/aftermarket/article/story/2014/04/auxiliary-power-for-work-trucks.aspx
Navigant Research	How To Save a Half Billion Gallons of Diesel	navigantresearch.com/blog/how-to-save-a-half-billion-gallons-of-diesel
Oak Ridge National Laboratory	2013 Vehicle Technologies Market Report	cta.ornl.gov/vtmarketreport/pdf/2013_vtmarketreport_full_doc.pdf
U.S. EPA	Inventory of U.S. Greenhouse Gas Emissions and Sinks	epa.gov/climatechange/ghgemissions/usinventoryreport.html

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Course 521: How To Comply with the Truck and Bus Regulation	Multiple locations and dates		arb.ca.gov/training/courses.php?course=521
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
Alternative Clean Transportation (ACT) Expo: Best Practices and Technologies Workshop—Tire Pressure, 6 × 2 Axles, and Anti-Idling Devices	Long Beach, California	May 5, 2014	carbonwarroom.com/news/2014/01/15/trucking-efficiency-news-workshop-act-expo
ACT Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
Green Your Fleet! Fleet Manager Workshop	Laconia, New Hampshire	June 6, 2014	granitestatecleancities.nh.gov/calendar/2014/documents/green-your-fleet.pdf
2014 U.S. DOE Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/events_detail.html?event_id=7447
Fleet Management Expo	Indianapolis, Indiana	June 23–25, 2014	fleetmanagementexpo.com/
High-Efficiency Truck Users Forum (HTUF) National Conference 2014	Argonne, Illinois	September 22–24, 2014	conferences.stagedrightevents.com/htuf/
SAE 2014 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 7–9, 2014	sae.org/events/cve/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Southeast Alternative Fuels Conference & Expo	Raleigh, North Carolina	October 22–24, 2014	altfuelsconference.org/index.html
Green Fleet Conference and Expo	Schaumburg, Illinois	October 29–30, 2014	greenfleetconference.com/
2015 TRB 94th Annual Meeting	Washington, D.C.	January 11–15, 2015	trb.org/AnnualMeeting2015/AnnualMeeting2015.aspx

MANUFACTURERS' NEWS

Fallbrook Sells Dynasys

Fallbrook Technologies (Cedar Park, Texas) has sold its Dynasys APU business to Tridako (Alliance, Nebraska). Tridako, the Power and Energy Division of Perrin Manufacturing, manufactures the PowerCube APU. Both the PowerCube and the Dynasys provide HVAC services powered by a vehicle's own diesel-fuel system. The Dynasys APU also has a shore-power option.

Fallbrook Technologies acquired the Dynasys business more than 3 years ago. For more information, please see [fallbrooktech.com/sites/default/files/videos/press-releases/Press%20Release%20-%20Fallbrook APU%20Business.pdf](http://fallbrooktech.com/sites/default/files/videos/press-releases/Press%20Release%20-%20Fallbrook%20APU%20Business.pdf).

Bergstrom Reaches 50,000-Unit Milestone for NITE System

Bergstrom (Rockford, Illinois), manufacturer of climate systems for the commercial-vehicle industry, recently marked the production of its 50,000th NITE no-idle system. The NITE system, which provides air conditioning with an option for an air heater, can reduce the average truck's fuel usage by as much as 3,790 gallons a year, according to a Bergstrom press release.

In production since 2003, the battery-powered NITE no-idle system is available either factory-installed or as an aftermarket option. More information is available at us.bergstrominc.com/news/2014/03/27/bergstrom-inc-manufactures-its-50000th-nite-no-idle-system/.

PORTS

Sea-Tac Airport Advances GSE Electrification

Seattle-Tacoma International Airport has unveiled a new project for the electrification of ground support equipment (GSE). The project will provide nearly 600 electric charging stations for GSE by September. The fast-charging stations, which charge vehicles in less than 4 hours, are “smart,” which means that they detect which vehicles need the most charge and meter out power accordingly.

Project partner Alaska Airlines has 204 electric GSE vehicles at Sea-Tac. According to Jeff Butler, Alaska Airlines’ Vice President of Airport Operations and Customer Service, powering GSE with electricity rather than petroleum fuels will not only reduce carbon emissions but save the airline about \$300,000 a year in fuel costs. More airlines are scheduled to join the program later this year.

The \$31 million project is supported by \$5 million from a larger DOE award under the American Recovery and Reinvestment Act to the Western Washington Clean Cities Coalition. Part of the funding is helping airlines purchase new electric vehicles.

A video about the new electric GSE system is available at youtube.com/watch?v=30B3EmnRSBQ&feature=youtu.be.

For more information, please go to prnewswire.com/news-releases/sea-tac-airport-unveils-electrification-project-to-save-airlines-millions-in-fuel-and-dramatically-reduce-greenhouse-gas-emissions-250857101.html. (Photo courtesy of Port of Seattle.)



EPA Launches Port Sustainability Initiative

Advancing Sustainable Ports is EPA’s new initiative designed to recognize ports that work to improve their environmental performance. Focus areas include local air quality, the reduction of carbon emissions, and environmental justice issues. The new program will also help port authorities develop emission-measurement tools that will lead to a better understanding of ports’ energy use and environmental impact.

As part of the Advancing Sustainable Ports program, EPA is awarding \$4.2 million in grant funding for clean diesel projects at six U.S. ports. Projects range from the repowering of an old switcher locomotive with a Tier 3+ engine equipped with an automatic start-stop system (Port of Tacoma) to supplying shore power for ships at berth (Port of Hueneme).

Implementing clean air strategies will especially benefit nearby neighborhoods, as the country's busiest ports are located near large metropolitan areas that often have poor air quality. More information about Advancing Sustainable Ports is available at yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceeac8525735900400c27/95

d492f5d48c36a985257cb400541364!OpenDocument. To access content from the EPA's National Conversation on Ports webinar series, please go to epa.gov/otaq/ports/ports-dialogue.htm.

OTHER NEWS OF INTEREST

APUs for Marine Vehicles May Save Nearly 60% in Fuel

The Marine Corps Systems Command (MCSC) is testing a Medium Tactical Vehicle Replacement (MTVR) APU. Results so far show potential for the equipment to reduce fuel use by nearly 60%.

Marines in the field need a range of equipment, some of which requires electricity. A vehicle-mounted APU can generate electricity with the vehicle engine off. The MCSC compared the MTVR APU and a standard 7-ton truck engine by running both under a 3-kW load for an hour. The truck produced 120 amps using almost a gallon of gas, while the MTVR APU provided the same amount of power using less than half a gallon of gas. The MTVR APU,

which can power computer, radio, navigation, and weapon systems, is mounted behind the vehicle cab.

Now, the MCSC is further evaluating the feasibility and potential energy savings of the MTVR APU. "This could save us a lot of money in fuel," said Dennis McGinn, the Assistant Secretary of the Navy for Energy, Installations and Environment. "And that money could go toward other things Marines need out in the field." More information is available at marcorsyscom.marines.mil/News/PressReleaseArticleDisplay/tabid/8007/Article/158344/auxiliary-power-unit-may-save-energy-lives.aspx and quantico.marines.mil/News/NewsArticleDisplay/tabid/10834/Article/158568/assistant-secretary-of-the-navy-visits-quantico.aspx.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/forpartners/technology.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida*	<i>Kentucky</i>	MISSOURI	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	TENNESSEE	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland*	Nevada	Oklahoma	Utah	
COLORADO	Illinois	Massachusetts	NEW HAMPSHIRE	Oregon	Vermont	
CONNECTICUT	Indiana	Michigan	New Jersey	Pennsylvania	VIRGINIA	
Delaware	Iowa	MINNESOTA	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i> * = Weight exemption will increase to 550 lb on October 1, 2014.						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent resource

(atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (IDLINGREDUCTION@ANL.GOV) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any

information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see

northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative (Region 3), dieselmidatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota),

blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/diesel/coll-rocky.htm; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/dynasystm-apu-savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/home/products/locomotive-products/fuel-consumption-calculator/)
- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)

- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Preheat (proheat.com/support/idleCostUS.php)
- Thermo King (na.thermoking.com/tk-innovation/global/en/products/apu/tripac-evolution-payback-calculator.html.html)
- Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
- ZeroRPM (zerorpm.com/select-calc)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire,

EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign

Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest

electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to epamap10.epa.gov/website/irim_us_map.asp.

Idling Reduction Outreach Assistance

Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at energy.gov/eere/vehicles/vehicle-technologies-office-national-idling-reduction-network-news. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project Plus-up Voucher Funding Program	~\$753,800	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
U.S. Department of Transportation (DOT)	Low or No Emission Vehicle Deployment (LoNo) Program	\$24.9 million	April 10, 2014 (extended)	fta.dot.gov/grants/13077_15782.html
Minnesota Pollution Control Agency (MPCA)	Diesel Emissions Reduction Act (DERA) Grant Program	\$200,000	April 23, 2014	pca.state.mn.us/index.php/air/air-quality-and-pollutants/air-pollutants/mobile-sources/grants/financial-assistance-for-clean-diesel-projects.html
U.S. DOT	Fiscal Year (FY) 2014 Transportation Investment Generating Economic Recovery (TIGER) Grant Program	\$600 million	April 28, 2014	dot.gov/tiger/nofa
Massachusetts Department of Environmental Protection (MassDEP)	MassCleanDiesel: Clean Markets Program Grants	~\$275,000	May 16, 2014	mass.gov/eea/agencies/massdep/air/grants/masscleandiesel-clean-markets-program-grants.html
New York State Energy Research and Development Authority	Institutionalizing Integrated Solutions Supporting Accessible Multimodal Transportation Networks, Program Opportunity Notice No. 2881	\$3 million	May 29, 2014	www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2881-Institutionalizing-Integrated-Solutions-Supporting-Transportation.aspx
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	Up to \$300,000	September 1, 2014	epa.ohio.gov/oe/EnvironmentalEducation.aspx#LiveTabsContent131361
New Hampshire Department of Environmental Services, Air	Diesel Emissions Reduction Rebate Program	\$69,800	First come, first served, as long as funds remain	des.nh.gov/organization/divisions/air/tsb/tps/msp/dies

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Division			but no later than September 30, 2014	el-vehicles/documents/dera-state-program.pdf
North Carolina Department of Environment and Natural Resources, Division of Air Quality	APU/Idle Reduction Device Rebate Program	~\$20,000	First-come, first served, as long as funds remain but no later than September 30, 2014	daq.state.nc.us/motor/Rebates/

REGULATORY NEWS

MassDEP Fines First Student—Again

First Student Inc., the largest school-bus operator in Massachusetts, faces its second excessive-idling settlement with the Commonwealth of Massachusetts in 4 years.

In 2010, First Student signed an administrative consent order with the Massachusetts Department of Environmental Protection (MassDEP) after its buses were found idling unnecessarily at many schools. The order required First Student to eliminate excessive idling, educate its drivers about idling laws, inspect its own facilities and schools for unnecessary idling, and report to MassDEP quarterly. For noncompliance with the state's anti-idling regulation on this and two other occasions, First Student has paid administrative penalties totaling \$75,000.

First Student complied in part with the 2010 MassDEP consent order. However, between June 2010 and January 2013, the Commonwealth still found numerous idling violations by company drivers. First Student also failed to conduct required inspections and to report violations properly.

In the current settlement, First Student will pay \$300,000 in civil penalties and \$150,000 to help fund two state projects to reduce emissions and encourage the use of hybrid vehicles. The settlement also requires the company to improve manager and driver training on idling regulations with the use of pre-approved training materials.

Beyond Massachusetts, First Student also paid \$128,000 to the U.S. EPA in 2009 for idling violations in eight states, including Massachusetts. More information about the current settlement is available at mass.gov/ago/news-and-updates/press-releases/2014/2014-03-05-first-student-settlement.html.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Blaine School District (Whatcom County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 1 school bus	\$3,500

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RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Burlington-Edison School District (Skagit County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 31 school buses	\$108,500
Davenport School District 207 (Lincoln County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 14 school buses	\$49,000
Deer Park School District 414 (Spokane County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 28 school buses	\$98,000
Finley School District (Benton County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 12 school buses	\$42,000
LaConner School District (Skagit County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 1 school bus	\$3,500
Liberty School District 362 (Spokane County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 7 school buses	\$24,500
Lynden Public School 504 (Whatcom County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 5 school buses	\$17,500
Mount Vernon School District (Skagit County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 2 school buses	\$7,000
Orient School District (Ferry County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 5 school buses	\$17,500
Quincy School District (Grant County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 12 school buses	\$42,000
Rearden Edwall School District (Lincoln County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 8 school buses	\$28,000
San Juan Island School District 149 (San Juan County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 9 school buses	\$31,500
Sedro Woolley School District (Skagit County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 35 school buses	\$122,500
Sultan School District 311 (Snohomish County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 23 school buses	\$80,500
Valley School District 070/Loon Lake School District #183 (Stevens County, Washington)	Washington State Department of Ecology	Idling reduction equipment for 17 school buses	\$59,500

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CleanCitiesTV	Wisconsin Utility Saves on Fuel With Plug-In Hybrid Vehicles	youtube.com/watch?v=cbuOSwPHcUo&list=UUekDhe50SU1Mg65iOICjaGw
Government Fleet	Can Green Fleets Survive Without Government Funding?	government-fleet.com/channel/green-fleet/article/story/2014/03/can-green-fleets-survive-without-government-funding.aspx
Heavy Duty Trucking (HDT)	Auxiliary Power for Work Trucks	heavydutytrucking.epubxp.com/title/54275/33?utm_source=Email&utm_medium=Digital
National Renewable Energy Laboratory (NREL)	Shorepower Truck Electrification Project: January 2013–December 2013	nrel.gov/vehiclesandfuels/fleettest/research_truck_stop_electrification.html
Transportation Research Board (TRB)	Best Practices and Strategies for Improving Rail Energy Efficiency	ntl.bts.gov/lib/51000/51000/51097/DOT-VNTSC-FRA-13-02.pdf
U.S. EPA	Advancing Solutions To Support More Sustainable Ports [webinar]	gotomeeting.com/register/877821530 (recorded webinar) or epa.gov/otaq/ports/documents/ports-webinar-slides-030414.pdf (slides)

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
CARB Course 521: How to Comply with the Truck and Bus Regulation	Webinar—April 15, 2014 Webinar—April 16, 2014		arb.ca.gov/training/courses.php?course=521 (link also shows multiple onsite classes on various dates and in multiple locations)
ACT Expo: Best Practices and Technologies Workshop—Tire Pressure, 6 × 2 Axles, and Anti-Idling Devices	Long Beach, California	May 5, 2014	carbonwarroom.com/news/2014/01/15/trucking-efficiency-news-workshop-act-expo
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
Green Your Fleet! Fleet Manager Workshop	Laconia, New Hampshire	June 6, 2014	granitestatecleancities.nh.gov/calendar/2014/documents/green-your-fleet.pdf

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
2014 U.S. Department of Energy (DOE) Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/events_detail.html?event_id=7447
Fleet Management Expo	Indianapolis, Indiana	June 23–25, 2014	fleetmanagementexpo.com/
High-Efficiency Truck Users Forum (HTUF) National Conference 2014	Argonne, Illinois	September 22–24, 2014	conferences.stagedrightevents.com/htuf/
SAE 2014 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 7–9, 2014	sae.org/events/cve/
Southeast Alternative Fuels Conference & Expo	Raleigh, North Carolina	October 22–24, 2014	altfuelsconference.org/index.html
Green Fleet Conference and Expo	Schaumburg, Illinois	October 29–30, 2014	greenfleetconference.com/
2015 TRB 94th Annual Meeting	Washington, D.C.	January 11–15, 2015	trb.org/AnnualMeeting2015/AnnualMeeting2015.aspx

MANUFACTURERS' NEWS

Dometic Introduces Split-System BliZZard Air Conditioner

Dometic Group, a global provider of comfort products for the trucking industry, has launched the split-system BliZZard battery-powered air-conditioning system. Available in 7,000 and 10,000 BTU models, the BliZZard provides 10+ hours of cooling, according to the manufacturer. The split system means quieter operation as the condenser unit is outside the truck while the quieter evaporator unit blows cool air to the cab's interior. The SmartWay-verified system is also available with an option for electric (engine-off) heat.

More information is available at dometic.com/enus/Americas/USA/Truck-News/Dometic-to-Showcase-Products-at-Mid-America-Trucking-Show/.

(Photo: Courtesy of Dometic Group)



Espar Launches Airtronic NG Commercial Heater

At the Work Truck Show in Indianapolis in March, Espar unveiled its Airtronic NG Commercial heater. The newest Airtronic device provides heat for van-sized or larger vehicles fueled by compressed natural gas (CNG) or liquefied natural gas (LNG). The heater is fueled from the vehicle's dedicated natural gas system, saving installation space and cost. According to a company press release, the device is the first air heater especially designed for NG trucks in North America.

More information is available at eberspaecher.com/nc/en/press/press-releases/individual-view/article/airtronic-ng-commercial-espar-presents-natural-gas-heating-for-trucks/419.html and espar.com/fileadmin/data/countrysites/EB_Kanada/pdf/Airtronic_NG_Commercial_WEB_READY_030414_01.pdf.

ELECTRIFIED PARKING SPACES

Shorepower Announces Turnkey Solution for Carrier Vector Customers

Shorepower Technologies now offers customers of its Carrier Vector Hybrid trailer refrigeration technology a turnkey system for plugging in their transport refrigeration units (TRUs, or reefers) at warehouses and distribution centers. Electric standby operation costs less to operate, uses less fuel, produces fewer emissions, and creates less noise compared to diesel operation. According to a Shorepower brochure, Vector equipment

operating on electric standby can save 40% to 70% in operating costs.

Customers purchase the system on a lease-to-own basis. For more information, please see shorepower.com/docs/Shorepower-Carrier_Vector-Customer.pdf or contact Alan Bates, Shorepower's Vice President of Marketing, at abates@shorepower.com or (888) 841-3137.

OTHER NEWS OF INTEREST

Administration's Proposed Budget Zeroes Out DERA Funding

The Administration's (Fiscal Year) FY 2015 budget eliminates a number of EPA programs, including DERA grants. The EPA explained this decision in its FY 2015 Congressional Justification document: "While the DERA grants accelerate the pace at which dirty engines are retired or retrofitted, pollution emissions from the legacy fleet will be reduced over time without additional DERA funding as portions of the fleet turn over and are replaced with new engines that meet modern emissions standards."

Allen Schaeffer, Executive Director of the Diesel Technology Forum, said, "We are hopeful that the bipartisan support DERA has received in both the U.S. Senate and House will initiate action in Congress to save the program." More information is available at dieselforum.org/news/bipartisan-clean-air-program-on-chopping-block-in-president-obama-s-new-budget-proposal and epa.gov/sites/production/files/2014-03/documents/fy_15_congressional_justification.pdf.

Cascade Sierra Solutions Folds

Cascade Sierra Solutions (CSS) has announced that it is closing its doors. The nonprofit, which opened in 2006, has helped truckers “drive greener” with the aid of grants and financing. CSS will enter into a receivership for the collection and return of funds to lenders and creditors.

While the Eugene, Oregon, headquarters will continue operating with a reduced staff to service loan repayments and complete existing grant contracts, CSS is closing, or has already closed, trucker outreach centers in

Dallas, Los Angeles, Sacramento, Seattle, Tacoma, Charleston, South Carolina, and Portland and Medford, Oregon.

According to CSS, the nonprofit has helped truckers save more than 67 million gallons of diesel fuel and eliminated 670,000 metric tons of CO₂ emissions. For more information, please see overdriveonline.com/emissions-reduction-funding-operation-cascade-sierra-solutions-to-close-the-doors/.

DOE SuperTruck Features New Idling Reduction Technology

One of the four SuperTruck teams funded to develop highly efficient tractor-trailers recently visited DOE’s Vehicle Technologies Office in Washington, D.C. The demonstration vehicle from the Cummins and Peterbilt team recently achieved 10.7 miles per gallon (mpg) under real-world driving conditions. (An average Class 8 truck gets 5.8 mpg.) Since 2010, the truck has shown a 20% increase in engine efficiency and a 70% increase in freight efficiency.

This truck has a number of advanced features, including its APU. The Bergstrom battery-powered system uses Corvus Energy (Richmond, British Columbia) batteries. The five AT3300 advanced lithium-polymer batteries store generated energy, reduce engine loads, and provide enhanced cranking ability with a smaller, lighter footprint. Four of the batteries power the Bergstrom APU to provide HVAC and run accessories in the cab and sleeper compartment for up to 10 hours. The fifth battery provides up to 1,200 cold-cranking amps for the main engine in a smaller space and at just 25% of the weight of conventional lead-acid batteries. Recharging time for the batteries is about 6 hours and can be done while the truck is on the road.



The U.S. DOE’s SuperTruck initiative seeks to improve long-haul Class 8 truck freight efficiency. For more information, please go to

energy.gov/eere/articles/supertruck-making-leaps-fuel-efficiency and corvus-energy.com/media_pdf/New%20Release%20Corvus%20Energy%20PACCAR%20SuperTruck%20FINAL.pdf. (Photo: Cummins and Peterbilt team SuperTruck,

by Sarah Gerrity, courtesy of U.S. DOE)

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/forpartners/technology.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida*	<i>Kentucky</i>	<i>MISSOURI</i>	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>TENNESSEE</i>	<i>Wyoming</i>
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland*	Nevada	Oklahoma	Utah	
<i>COLORADO</i>	Illinois	Massachusetts	<i>NEW HAMPSHIRE</i>	Oregon	Vermont	
<i>CONNECTICUT</i>	Indiana	Michigan	New Jersey	Pennsylvania	<i>VIRGINIA</i>	
Delaware	Iowa	<i>MINNESOTA</i>	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i> * = Legislation in process to increase the weight exemption to 550 lb.						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent resource

(atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmidaatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/diesel/coll-rocky.htm; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/dynasystm-apu-savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/home/products/locomotive-products/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Preheat (proheat.com/support/idleCostUS.php)

- Thermo King (na.thermoking.com/tk-innovation/global/en/products/apu/tripac-evolution-payback-calculator.html.html)
 - Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
 - ZeroRPM (zerorpm.com/select-calc)
-

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign

Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to epamap10.epa.gov/website/irim_us_map.asp.

Idling Reduction Outreach Assistance

Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.



National Idling Reduction Network News

March 2014

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Clean Air Fleets (GPS and retrofit technologies to support idle reduction in the Denver Metro area and Colorado Front Range)	~\$1 million	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290, or cleanairfleets.org
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Minnesota Pollution Control Agency (MPCA)	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-environmental-improvement-loan-program.html
San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project Plus-up Voucher Funding Program	~\$903,000	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
U.S. Department of Transportation (DOT)	Low or No Emission Vehicle Deployment (LoNo) Program	\$24.9 million	March 10, 2014	fta.dot.gov/grants/13077_15782.html
Green Fleet Magazine	Leading Fleets Awards	Not applicable	March 14, 2014	government-fleet.com/content/100-best-fleets-submit-nominations-2014.aspx
North Carolina Solar Center	Clean Fuel Advanced Technology (CFAT) Project	Up to \$1 million	March 18, 2014	ncsc.ncsu.edu/index.php/clean-transportation/funding/
Yolo-Solano AQMD	Clean Air Funds Program	Solano County, ~\$442,080; Yolo County, ~\$63,120	March 21, 2014	ysaqmd.org/clean-air-funds.php
North Carolina Department of Environment and Natural Resources, Division of Air Quality	APU/Idle Reduction Device Rebate Program	~\$22,000	First-come, first served, as long as funds remain but no later than September 30, 2014	daq.state.nc.us/motor/Rebates/

REGULATORY NEWS

Washington State Bill Would Establish Loan Program for Idle Reduction Technologies

Lawmakers in Washington state have moved a bill through the House that would create a self-sustaining loan program for the purchase of idle reduction technologies. House Bill (HB) 2569 seeks to establish a program run by the state Department of Ecology to which local government agencies could apply for loans. The loans could be used to implement idling reduction solutions including engine preheaters, APUs, gen-sets, and shore power for trucks, ships, and locomotives.

“The state would create an account and get the initial funding to get this program started,” said Representative Mark Hargrove, R-Covington. “This type of innovation will achieve less emissions, less noise, and result in fuel and money savings. A portion of the savings from the new technology use would be returned to the account to fund future projects.”

For more information, please see houserepublicans.wa.gov/news/hargroves-green-technology-legislation-approved-in-state-house/.

550-lb APU Weight Exemption: Florida Tries Again

The Florida Senate’s Transportation Committee has introduced legislation that would increase the weight allowance for heavy-duty trucks equipped with idling reduction devices from 400 lb to 550 lb. If passed as written, Senate Bill (SB) 696 would take effect on July 1, 2014.

Last year, Florida’s HB 7127, which included the increased weight provision, failed to advance. To track the status of SB 696, please see flsenate.gov/Session/Bill/2014/696.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Port of Oakland	U.S. EPA	Repower of diesel-powered rubber-tired gantry cranes (RTGs) with Ecocrane™ Hybrid Electric Power RTGs	\$415,932
Utah Department of Environmental Quality	U.S. EPA	Retrofit of 19 long-haul trucks with exhaust-control devices and idle-reduction technologies that will reduce engine idling time by more than 8,000 hours, and the replacement of 2 trucks	\$496,000
Town of Cary, North Carolina	North Carolina Solar Center	Installation of telematic devices on 57 public works and utility vehicles for an 18-month pilot program that will capture data on fuel consumption and idling time, and the installation of 22 Energy Xtreme batteries on a subset of these vehicles	\$121,778

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Alternative Fuels Data Center	Idle-Reduction Efforts Cut Emissions and Conserve Fuel (video)	afdc.energy.gov/case/1643
Clean Cities	Anatomy of a Work Truck (webinar recording)	eere.energy.gov/cleancities/toolbox/webinar_work_truck.html
Green Fleet Magazine	The State of All-Electric Trucks in the U.S. Medium-Duty Market	greenfleetmagazine.com/article/51848/the-state-of-all-electric-trucks-in-the-u-s-medium-duty-market?utm_campaign=topnews-20140110&utm_source=Email&utm_medium=Enewsletter

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
NTEA Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Northeast Regional High-Efficiency Truck Users Forum (HTUF) Fleet Workshop and Ride and Drive	New York City, New York	March 16, 2014	calstart.org/Events/CALSTART-Events.aspx
CARB Course 521: How To Comply with the Truck and Bus Regulation	Webinar	March 19, 2014	arb.ca.gov/training/courses.php?course=521 (link also shows multiple onsite classes on various dates and in multiple locations)
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
2014 U.S. Department of Energy (DOE) Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/events_detail.html?event_id=7447
Fleet Management Expo	Indianapolis, Indiana	June 23–25, 2014	fleetmanagementexpo.com/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
SAE 2014 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 7–9, 2014	sae.org/events/cve/
Southeast Alternative Fuels Conference & Expo	Raleigh, North Carolina	October 22–24, 2014	altfuelsconference.org/index.html
Green Fleet Conference and Expo	Schaumburg, Illinois	October 29–30, 2014	greenfleetconference.com/
2015 TRB 94th Annual Meeting	Washington, D.C.	January 11–15, 2015	trb.org/AnnualMeeting2015/AnnualMeeting2015.aspx

MANUFACTURERS' NEWS

Perrin Launches PowerCube Slim

Perrin Manufacturing (Alliance, Nebraska) has launched the PowerCube Slim, a more-compact version of its PowerCube APU, which was introduced in 2008. The new APU offers 24,000 BTU/hour of cooling capacity and 30,000 BTU/hour of heating capacity, using just one-quarter of the fuel of an idling engine. At 19.5 inches, it is designed to meet the space requirements of most sleeper cabs.

Perrin Manufacturing designs, tests, and builds HVAC systems for work trucks such as earth movers, tree mulchers, and road pavers.

More information about the PowerCube Slim is available at truckinginfo.com/channel/products/product/detail/2014/02/powercube-slim-apu-fits-in-tight-frame-rail-spa.aspx and perrinmfg.com.

HDT Names eNow's eCharge 2014 Top 20 Product

HDT (Heavy Duty Trucking magazine) has named eNow's eCharge—a solar-powered anti-idling system—a 2014 Top 20 award winner. eNow (Warwick, Rhode Island) designs, develops, and manufactures solar-based auxiliary power systems for the transportation industry. Applications include idle reduction, refrigeration, lift gates, and battery-charging systems. Last year, eNow and Bergstrom (Rockford, Illinois) entered a partnership for the use of eNow's solar-powered system to power Bergstrom HVAC systems for Class 8 trucks.

According to *HDT*, each Top 20 award is chosen based on level of innovation, the extent to which the technology addresses significant industry issues, and its potential to improve a trucking operation's bottom line. To see all of *HDT*'s 2014 Top 20 picks, please go to truckinginfo.com/channel/products/article/story/2014/02/hdt-announces-2014-top-20-products.aspx. More information about eNow's products may be found at enowenergy.com/.

ELECTRIFIED PARKING SPACES

IdleAir Completes Fleet Terminal Facility for C.R. England

IdleAir, which began outfitting fleet terminal facilities last year, has just completed installation of a fleet terminal for carrier C.R. England. C.R. England's Laredo, Texas, terminal now has 24 IdleAir electrified parking spaces. Truck operators can access heating and air conditioning, an Internet connection, television, and 110-volt electricity with their engines off.

"Having access to IdleAir at the terminal will yield significant savings for our operations," said Allen Nielsen, C.R. England's Director of Fuel. "It will reduce costs by conserving fuel and reducing engine wear while making our terminal cleaner and quieter."

According to IdleAir's Cynthia Perthuis, two more dedicated, Laredo-based fleet terminals—for Werner Enterprises and Con-way—are expected to be operational by early March.

C.R. England, which operates 4,500 refrigerated trucks, is headquartered in Salt Lake City, Utah. For more information, please see prnewswire.com/news-releases/cr-england-opens-idleair-facility-at-laredo-tx-terminal-243559191.html.

PORTS

Mobile Container Solution for Shore Power

In response to CARB's shore-power rule, the CMA CGM Group (Marseilles, France) has deployed a modular mobile solution for its ships that travel the Pacific. The company can move the mobile power units from one ship to another as needed.

CMA CGM installed the first device on a ship that used shoreside electricity, or shore power, at the Port of Long Beach for the first time on January 19. Six CMA CGM ships will be equipped with the mobile power unit.

California's shore-power rule—which went into effect on January 1 and applies to container ships, refrigerated cargo ships, and cruise ships—requires that fleets use shore power for at least 50% of their visits. On January 1, 2017, the requirement will increase to 70% of visits. More information is available at cma-cgm-blog.com/cold-ironing-world-premiere-cma-cgm-libra-ship-cma-cgm-group-protect-environment/. For information about California's shore-power rule, please go to arb.ca.gov/ports/shorepower/shorepower.htm.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida*	<i>Kentucky</i>	MISSOURI	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	TENNESSEE	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland*	Nevada	Oklahoma	Utah	
COLORADO	Illinois	Massachusetts	NEW HAMPSHIRE	Oregon	Vermont	
CONNECTICUT	Indiana	Michigan	New Jersey	Pennsylvania	VIRGINIA	
Delaware	Iowa	MINNESOTA	New Mexico	<i>Rhode Island</i>	Washington	
<p>Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i>; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i></p> <p>* = Legislation in process to increase the weight exemption to 550 lb.</p>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmidaatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/diesel/coll-rocky.htm; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/dynasystm-apu-savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/home/products/locomotive-products/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Preheat (proheat.com/support/idleCostUS.php)

- Thermo King (na.thermoking.com/tk-innovation/global/en/products/apu/tripac-evolution-payback-calculator.html.html)
- Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
- ZeroRPM (zerorpm.com/select-calc)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign

Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to epamap10.epa.gov/website/irim_us_map.asp.

Idling Reduction Outreach Assistance

Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.



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February 2014

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Clean Air Fleets (GPS and retrofit technologies to support idle reduction in the Denver Metro area and Colorado Front Range)	~\$1 million	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290, or cleanairfleets.org
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Minnesota Pollution Control Agency (MPCA)	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-environmental-improvement-loan-program.html
San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project Plus-up Voucher Funding Program	~\$903,000	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE)	Small Business Innovation Research (SBIR) and Technology Transfer (STTR) Program, Grants for Clean Energy Technologies	~\$30 million	February 4, 2014	energy.gov/eere/articles/energy-department-announces-topics-and-new-approaches-grants-small-businesses-clean
U.S. EPA	Environmental Education Model Grants	~\$2.7 million	February 4, 2014	epa.gov/education/environmental-education-ee-grants
The Northeast States for Coordinated Air Use Management and the New York, Susquehanna & Western Railway	Request for Proposals (RFP): Equipment & Installation Services, Locomotive Repower & Idle Reduction Project	\$2,916,120	February 12, 2014	northeastdiesel.org/pdf/NYSW-NESCAUM-RFP.pdf
U.S. EPA	Projects To Improve Air Quality at Ports	\$4 Million	February 13, 2014	epa.gov/otaq/ports/ports-dera-rfp.htm
Kansas Department of Health and Environment	Kansas Clean Diesel Program	\$50,000	February 17, 2014	kdheks.gov/bar/air-monitor/dieselgrant.html
U.S. EPA Region 2	Environmental Quality Awards (nominations sought)	Not applicable	February 18, 2014	epa.gov/region2/eqa
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$200,000	March 1, 2014	epa.ohio.gov/oef/schoolbus.aspx
U.S. Department of Transportation (DOT)	Low or No Emission Vehicle Deployment (LoNo) Program	\$24.9 million	March 10, 2014	fta.dot.gov/grants/13077_15782.html
Green Fleet Magazine	Leading Fleets Awards	Not applicable	March 14, 2014	government-fleet.com/content/100-best-fleets-submit-nominations-2014.aspx

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Carolina Solar Center	Clean Fuel Advanced Technology (CFAT) Project	Up to \$1 million	March 18, 2014	ncsc.ncsu.edu/index.php/clean-transportation/funding/
North Carolina Department of Environment and Natural Resources, Division of Air Quality	APU/Idle Reduction Device Rebate Program	~\$43,000	First-come, first served, as long as funds remain but no later than September 30, 2014	daq.state.nc.us/motor/Rebates/

REGULATORY NEWS

Maryland Introduces Bill To Increase APU Weight Allowance

On January 8, Maryland lawmakers introduced a bill to increase the state's APU weight exemption. Senate Bill (SB) 72, "An Act Concerning Motor Vehicles—Weight and Axle Load Limits," would increase the state's 400-pound exemption to 550 pounds, as permitted by the Moving Ahead for Progress in the 21st Century Act (MAP-21) passed in 2012.

The bill has been sent to the Senate's Judicial Proceedings Committee. If passed as written, the act would take effect on October 1, 2014. For more information, please see legiscan.com/MD/bill/SB72/2014.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Community Healthcare System (Hobart, Indiana)	South Shore Clean Cities (SSCC) BP Cleaner Air through Diesel Emission Reductions (BP-CADER) Program	Purchase of 2 MediDock idle reduction kiosks	\$15,000
Community Healthcare System (Munster and East Chicago, Indiana)	SSCC BP-CADER Program	Purchase of 4 MediDock idle reduction kiosks	\$35,500
Franciscan Alliance (Hammond, Dyer, and Crown Point, Indiana)	SSCC BP-CADER Program	Purchase of 7 MediDock idle reduction kiosks	\$52,500
Methodist Hospitals (Gary and Merrillville, Indiana)	SSCC BP-CADER Program	Purchase of 4 MediDock idle reduction kiosks	\$30,000
School City of Hammond (Hammond, Indiana)	SSCC BP-CADER Program	Bus heaters to reduce idling in up to 64 school buses	\$56,558

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RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Arizona State University (Tempe, Arizona)	U.S. EPA	Estimation of particulate matter (PM) and nitrogen oxide (NOx) emissions from northbound idling vehicles waiting at the Mariposa port of entry in Nogales identification of emissions reduction strategies	\$67,314
Imperial County Air Pollution Control District (Imperial County, California)	U.S. EPA	Estimation of PM and NOx emissions from northbound idling vehicles waiting at the Calexico West and East ports of entry and identification of vehicle emissions reduction strategies	\$98,800
All-Ways Transit, Inc. (Bloomer, Wisconsin)	Wisconsin Department of Administration (DOA)	Purchase and installation of 1 APU	\$4,337
America's Service Line, LLC (Green Bay, Wisconsin)	Wisconsin DOA	Purchase and installation of 16 APUs	\$73,560
B & T Transport, LLC (Mauston, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
BCP Transportation, Inc. (Deerfield, Wisconsin)	Wisconsin DOA	Purchase and installation of 3 APUs	\$15,862
Blader Trucking Company, Inc. (Wautoma, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
Brecht Trucking, LLC (Madison, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
Chris Jensen (River Falls, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,358
Countryside Auto Transport, Inc. (Menasha, Wisconsin)	Wisconsin DOA	Purchase and installation of 2 APUs	\$9,885
E T Transport, LLC (Dodgeville, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
F.T.S. (Kewaskum, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
First Freight Express of Fort Atkinson, Inc. (Fort Atkinson, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
Fox Valley Alfalfa Mill, Inc. (Hilbert, Wisconsin)	Wisconsin DOA	Purchase and installation of 2 APUs	\$3,290
Fuchs Trucking LLC (Sauk City, Wisconsin)	Wisconsin DOA	Purchase and installation of 2 APUs	\$8,295
Furuseth Transport, LLC (Altoona, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,358
Geiger & Geiger Trust (Whitelaw, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
Goeman Trucking, Ltd. (Slinger, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
Great Lakes Logistix, LLC (Mondovi, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,358

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RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Gundrum Trucking, Inc. (Slinger, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,597
H. O. Wolding, Inc. (Amherst, Wisconsin)	Wisconsin DOA	Purchase and installation of 19 APUs	\$76,361
Hayes Transport (Verona, Wisconsin)	Wisconsin DOA	Purchase and installation of 5 APUs	\$23,695
Jepson Transport, LLC (Clintonville, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,597
Jim Piontek Trucking, Inc. (Green Bay, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,597
John Veriha Trucking, Inc. (Marinette, Wisconsin)	Wisconsin DOA	Purchase and installation of 3 APUs	\$12,670
K Thunder, LLC (Abrams, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,597
K&S Carriers, LLC (Greenwood, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
KAL Trucking, LLC (Black River Falls, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$3,872
Karls Transport, Inc. (Antigo, Wisconsin)	Wisconsin DOA	Purchase and installation of 6 APUs	\$22,080
Kevin Voigt Trucking, Inc. (Black Creek, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
Kreilkamp Trucking, Inc. (Allenton, Wisconsin)	Wisconsin DOA	Purchase and installation of 14 APUs	\$66,346
Marten Transport Services, Ltd. (Mondovi, Wisconsin)	Wisconsin DOA	Purchase and installation of 32 APUs	\$149,908
Michael L Mathys (Rice Lake, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,358
Mobile Service, Inc. (Green Bay, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$1,645
MW2P, LLC (Madison, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
North Shore Logistics, Inc. (Neenah, Wisconsin)	Wisconsin DOA	Purchase and installation of 2 APUs	\$9,195
O'Neil 5 Star, LLC (Ellsworth, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,632
Paul Peterson (River Falls, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,358
Performance Transportation Corp (Seymour, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,394
Pioneer Transportation, Ltd. (Merrill, Wisconsin)	Wisconsin DOA	Purchase and installation of 5 APUs	\$27,527
PJ Trucking (Pewaukee, Wisconsin)	Wisconsin DOA	Purchase and installation of 2 APUs	\$9,544
Roehl Transport, Inc. (Marshfield, Wisconsin)	Wisconsin DOA	Purchase and installation of 27 APUs	\$71,496
Schugel, Inc. (Tomah, Wisconsin)	Wisconsin DOA	Purchase and installation of 2 APUs	\$10,500
Schwerman Trucking, Co. (Milwaukee, Wisconsin)	Wisconsin DOA	Purchase and installation of 15 APUs	\$71,085
Seats Incorporated (Reedsburg, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,786

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January 2014

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Service One Transportation, Inc. (Plymouth, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
Soldwedel & Horn Enterprises, Inc. (Plymouth, Wisconsin)	Wisconsin DOA	Purchase and installation of 2 APUs	\$9,195
Tim Neubauer Trucking, LLC (Sparta, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,397
Timon Perron Trucking, Inc. (Campbellsport, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$4,597
V/S Midwest Carriers, Corp. (Kaukauna, Wisconsin)	Wisconsin DOA	Purchase and installation of 9 APUs	\$40,338
Vick Trucking LLC (Eagle, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,110
Weiler Transport, LLC (Unity, Wisconsin)	Wisconsin DOA	Purchase and installation of 1 APU	\$5,287
WEL Companies, Inc. (De Pere, Wisconsin)	Wisconsin DOA	Purchase and installation of 26 APUs	\$111,202
Zeller Transportation LLC (Hartford, Wisconsin)	Wisconsin DOA	Purchase and installation of 3 APUs	\$15,862

Community Leadership Award for Georgia Ports Authority

The Southeast Diesel Collaborative (SEDC), a public-private partnership formed by the U.S. EPA Region 4 office, recently named the Georgia Ports Authority (GPA) a Community Leadership Award winner. GPA's past projects include the adoption of electric rubber-tired gantry cranes (RTGs), the repower of diesel RTGs with variable alternators, and the retrofit of 11 switch locomotives with automatic engine stop-start technology by GPA's partner, Rail Link.

"Cutting diesel consumption means not only cleaner air, but also lower energy costs," said GPA Executive Director Curtis Foltz. "Better cross-terminal truck transit means less idling and quicker turn times, but also reduced emissions."

The EPA has also awarded the GPA a \$600,000 Diesel Emissions Reduction Act (DERA) grant to support a dray truck financing program. More information is available at gaports.com/Media/PressReleases.aspx.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Fuels Fix	IdleBox Gets Traction	fuelsfix.com/ezines/FuelsFix_Winter14-Final.pdf (p. 25)
Navigant Research	48-Volt Systems for Stop-Start Vehicles and Micro Hybrids	Summary and ordering information available at navigantresearch.com/research/48-volt-systems-for-stop-start-vehicles-and-micro-hybrids
Navigant Research	Hybrid and Electric Trucks: Hybrid Electric, Plug-In Hybrid, and Battery Electric Light Duty, Medium Duty, and Heavy Duty Trucks and Vans—Global Market Analysis and Forecasts	Summary and ordering information available at navigantresearch.com/research/hybrid-and-electric-trucks

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Course 521: How to Comply with the Truck and Bus Regulation	Webinar—February 11, 2014 Webinar—February 26, 2014		arb.ca.gov/training/courses.php?course=521 (link also shows multiple onsite classes on various dates and in multiple locations)
NYC Commercial Refuse Clean Truck Workshop	Brooklyn, New York	February 27, 2014	truckvip.ny.gov/docs/WorkshopInvitation_CleanRefuseWorkshop.pdf
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
NTEA Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Northeast Regional High-Efficiency Truck Users Forum (HTUF) Fleet Workshop and Ride and Drive	New York City, New York	March 16, 2014	calstart.org/Events/CALSTART-Events.aspx
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
2014 U.S. DOE Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/events_detail.html?event_id=7447
SAE 2014 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 7–9, 2014	sae.org/events/cve/
Green Fleet Conference and Expo	Schaumburg, Illinois	October 29–30, 2014	greenfleetconference.com/

MANUFACTURERS' NEWS

CARB Extends Thermo King eDPF Verification

CARB recently extended its verification of Thermo King's electric regenerative diesel particulate filter (eDPF) for use with certain TriPac APUs

used with 2006–2014 model-year diesel engines. Designated as a Level 3 Plus system, the eDPF reduces emissions of diesel particulate matter by

at least 85%. The system includes an electric heater, a silicon carbide DPF, and a back-pressure monitoring and notification system. The eDPF is

compatible with APUs using up to 20% biodiesel. Details are available at arb.ca.gov/diesel/verdev/companies/thermoking/edpf.htm.

OTHER NEWS OF INTEREST

FY 2014 Appropriations Bill: DERA Funding Stable, TIGER Funding Increased

On January 17, President Obama signed Congress's omnibus spending bill, the Consolidated Appropriations Act of 2014. With funding set at \$20 million, Diesel Emissions Reduction Act (DERA) funding is essentially unchanged from fiscal year (FY) 2013 levels. Funding for the U.S. Department of Transportation's Transportation Investment Generating

Economic Recovery (TIGER) grant program increased 20% over last year, from \$454 million to \$600 million. For more information about appropriations related to air quality funding, please go to 4cleanair.org/newsTop.asp#headl.

"A Cold Car Is Better Than No Car"

With this winter's exceptionally cold weather, a number of jurisdictions are seeing an uptick in the theft of cars left idling "to warm up." Law enforcement officials are saying that unattended idling is all but an invitation to vehicle thieves—and the preventable thefts a drain on law-enforcement resources.

Over a recent 90-day period in Ogden, Utah, 36 of 82 vehicle thefts involved unattended idling, according to the city's newspaper, the *Standard-Examiner*. Ogden's police department is tackling the problem by identifying violators of the state's "no unattended standing" law (Utah Code, Title 41, Chapter 6a, Section 1403) and issuing \$40 citations. Regarding the inconvenience of getting into a cold car, Ogden Police Deputy Director

John Harvey told the *Standard-Examiner*, "A cold car is better than no car."

Prince George's County, Maryland, has seen similar thefts. Police reported that at least eight cars left idling were stolen in early January. Those who leave unattended vehicles idling in Prince George's County face a \$70 fine.

More information is available at standard.net/stories/2014/01/24/ogden-car-thefts-prompt-police-ticket-idling-vehicles and washingtonpost.com/local/crime/thieves-steal-unattended-vehicles-left-running-to-warm-up-in-the-cold/2014/01/08/ad6bbdba-787f-11e3-af7f-13bf0e9965f6_story.html.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	MISSOURI	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	TENNESSEE	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland*	Nevada	Oklahoma	Utah	
COLORADO	Illinois	Massachusetts	NEW HAMPSHIRE	Oregon	Vermont	
CONNECTICUT	Indiana	Michigan	New Jersey	Pennsylvania	VIRGINIA	
Delaware	Iowa	MINNESOTA	New Mexico	<i>Rhode Island</i>	Washington	
<p>Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i>; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i></p> <p>* = Legislation in process to increase the weight exemption to 550 lb.</p>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmideatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/diesel/coll-rocky.htm; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/dynasystm-apu-savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/home/products/locomotive-products/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Proheat (proheat.com/support/idleCostUS.php)

- Thermo King (na.thermoking.com/tk-innovation/global/en/products/apu/tripac-evolution-payback-calculator.html.html)

- Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
- ZeroRPM (zerorpm.com/select-calc)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign

Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to epamap10.epa.gov/website/irim_us_map.asp.

Idling Reduction Outreach Assistance

Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.



National Idling Reduction Network News

January 2014

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Clean Air Fleets (GPS and retrofit technologies to support idle reduction in the Denver Metro area and Colorado Front Range)	~\$1 million	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290, or cleanairfleets.org
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Minnesota Pollution Control Agency (MPCA)	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-environmental-improvement-loan-program.html
San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project Plus-up Voucher Funding Program	~\$903,000	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE)	Small Business Innovation Research (SBIR) and Technology Transfer (STTR) Program, Grants for Clean Energy Technologies	~\$30 million	February 4, 2014	energy.gov/eere/articles/energy-department-announces-topics-and-new-approaches-grants-small-businesses-clean
California Energy Commission	Federal Cost-Share for Emerging Technologies, Alternative and Renewable Fuel and Vehicle Technology Program	~\$2.2 million	January 10, 2014	energy.ca.gov/contracts/PON-13-604/
Transportation Research Board (TRB)	RFP: Deploying Clean Truck Freight Strategies	\$500,000	January 14, 2014	apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=3672
U.S. EPA	Environmental Education Model Grants	~\$2.7 million	February 4, 2014	epa.gov/education/environmental-education-ee-grants
U.S. EPA	Projects To Improve Air Quality at Ports	\$4 Million	February 13, 2014	epa.gov/otaq/ports/ports-dera-rfp.htm
Kansas Department of Health and Environment	Kansas Clean Diesel Program	\$50,000	February 17, 2014	kdheks.gov/bar/air-monitor/dieselgrant.html
U.S. EPA Region 2	Environmental Quality Awards (nominations sought)	Not applicable	February 18, 2014	epa.gov/region2/eqa
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$200,000	March 1, 2014	epa.ohio.gov/oef/schoolbus.aspx

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Carolina Department of Environment and Natural Resources, Division of Air Quality	APU/Idle Reduction Device Rebate Program	~\$45,000	First-come, first served, as long as funds remain but no later than September 30, 2014	daq.state.nc.us/motor/Rebates/

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Center for Transportation and the Environment (Atlanta, Georgia)	U.S. DOE	Development of a fuel cell hybrid-electric walk-in delivery van with a 150-mile range and the retrofit and testing of 15 UPS delivery vans with fuel-cell hybrid powertrains	\$3 million
FedEx Express (Memphis, Tennessee)	U.S. DOE	Development a hydrogen fuel cell delivery truck with a range of up to 150 miles and the testing of 20 of these trucks	\$3 million
4M Fruit Distributors (Everett, Massachusetts)	Massachusetts Department of Environmental Protection, MassCleanDiesel: Clean Markets Program (MassDEP)	Purchase and installation of 6 electric transport refrigeration units (eTRUs)	\$86,810
Boston Sword & Tuna, Inc. (Boston, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$9,116
Bramante Seafood, Inc. (Boston, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$14,408
Brascol Transport, Inc. (Taunton, Massachusetts)	MassDEP	Purchase and installation of 1 APU and diesel oxidation catalyst (DOC)	\$13,886
Brazport Transportation (Raynham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
Channel Fish Company, Inc. (East Boston, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$12,957
CJ&J Leasing Corporation (Haverhill, Massachusetts)	MassDEP	Purchase and installation of 20 eTRUs	\$288,150
DB Trucking Company (Lakeville, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
DEA Logistics, Inc. (Bourne, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
Osman DeSousa doing business as BHZ Transport (Centerville, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
Suami Dias (Leominster, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165

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RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Jediael Dos Santos (Abington, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
Foster Hill Transport, LLC (West Brookfield, Massachusetts)	MassDEP	Purchase and installation of 7 APUs and DOCs	\$78,154
Alfonso Francisco (Hyde Park, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
Great Eastern Seafood, Inc. (Boston, Massachusetts)	MassDEP	Purchase and installation of 2 eTRUs	\$27,189
GSD Refrigerated Leasing (Saugus, Massachusetts)	MassDEP	Purchase and installation of 4 eTRUs	\$57,630
Jason's Trucking (Bellingham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
JK Transporter (Framingham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$16,592
MCA Express/Marcio C. Araujo (Framingham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$13,886
Oak Hill Developers, Inc. (Webster, Massachusetts)	MassDEP	Purchase and installation of 1 APU and DOC	\$11,165
Porter-Cooler Rentals (Swansea, Massachusetts)	MassDEP	Purchase and installation of 10 eTRUs	\$138,570
Pray Trucking, Inc. (Seekonk, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$13,910
Richie's Classic Italian Ice (Everett, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$14,408
Rohtstein Corporation (Woburn, Massachusetts)	MassDEP	Purchase and installation of 5 eTRUs	\$53,100
Eduardo Romeiro (Abington, Massachusetts)	MassDEP	Purchase and installation of 4 APUs and DOCs	\$44,659
Snohomish County Fire District 7 (Snohomish, Washington)	Washington State Department of Ecology and the Puget Sound Clean Air Agency	Battery- and generator-based idle reduction systems for 2 fire engines and 3 emergency medical response units, with automatic 2-minute engine shutdown	~\$83,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Coordinating Research Council, Inc.	Phase 2 of the Advanced Collaborative Emissions Study	crcao.org/reports/recentstudies2013/ACES%20Ph2/03-17124_CRC%20ACES%20Phase2-%20FINAL%20Report_Khalek-R6-SwRI.pdf
Navigant Research	Stop-Start Vehicles: Micro Hybrid Technologies, Lead-Acid Batteries, Li-ion Batteries, and Ultracapacitors—Market Analysis and Forecasts	Summary and ordering information available at navigantresearch.com/research/stop-start-vehicles

SOURCE	TITLE	WEBSITE OR CONTACT
NYSDERDA	New York Clean Truck Incentives Webinar	truck-vip.ny.gov/index.php
SAE International	Fuel-Cell APUs Show Promise for Heavy-Duty Truck Anti-Idling	articles.sae.org/12659/
TRB	Measuring PM [Particulate Matter] Emissions from Aircraft Auxiliary Power Units, Tires, and Brakes	trb.org/main/blurbs/170030.aspx
U.S. Energy Information Administration (EIA)	Annual Energy Outlook 2014 Early Release Overview	eia.gov/forecasts/aeo/er/?src=email
U.S. EPA	Projects To Improve Air Quality at Ports: 2013 DERA [Diesel Emissions Reduction Act] Funding Opportunity—Request for Proposals Information Session	epa.gov/otaq/ports/documents/fy13-ports-dera-webinar-slides.pdf
U.S. EPA and DOE	2014 Fuel Economy Guide	fuelconomy.gov/

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
EPA Informational Webinar: Funding for Projects To Improve Air Quality at Ports	Webinar	January 9, 2014	epa.gov/otaq/ports/ports-dera-rfp.htm
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx
Oregon DEQ Public Meeting on Proposed Rules To Align Diesel Grant Program with Federal Guidelines	Portland, Oregon	January 16, 2014	oregon.gov/deq/RulesandRegulations/Pages/2013/DESLGRNTP.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/
CARB: Public Workshop on the Development of the Air Quality Improvement Program Fiscal Year 2014–15 Funding Plan	Sacramento, California	January 28, 2014	arb.ca.gov/msprog/mailouts/msc1331/msc1331.pdf
Midwest Truck and Trailer Show	Peoria, Illinois	January 31–February 1, 2014	midwesttruckshow.com/
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
NTEA Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Northeast Regional High-Efficiency Truck Users Forum (HTUF) Fleet Workshop and Ride and Drive	New York City, New York	March 16, 2014	calstart.org/Events/CALSTART-Events.aspx
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
2014 U.S. DOE Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/events_detail.html?event_id=7447
SAE 2014 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 7–9, 2014	sae.org/events/cve/
Green Fleet Conference and Expo	Schaumburg, Illinois	October 29–30, 2014	greenfleetconference.com/

MANUFACTURERS' NEWS

Idle Free Systems Launches System for Work Trucks

Idle Free Systems has launched the Idle Free Work Truck No Idle Heat System™. Designed for the work truck or day-cab market, including snow-plow, utility, and delivery vehicles, the system provides up to 8 hours of engine-off cab heat through the use of a coolant heater. According to a company press release, the system also provides 12-volt electrical power for auxiliaries such as running lights or communication systems. An engine start

module (ESM), similar to an ultracapacitor, is fully integrated into the system. Because the vehicle's 70-lb starter battery is replaced by this lighter ESM, the truck's total weight is decreased by about 35 pounds.

More information about the Idle Free Work Truck No Idle Heat System is available at idlefreesystems.com.

Ford: 70% of Lineup Will Have Auto Start-Stop by 2017

Ford Motor Company recently announced that 70% of its models will be equipped with auto start-stop by 2017.

Start-stop technology, also called stop-start or microhybrid technology, allows engine shut-off during even brief stops. During these stops, an

advanced battery seamlessly powers the vehicle's auxiliary systems, such as heat and cooling, saving fuel and reducing carbon dioxide emissions. When drivers begin to release the brakes, the engine restarts instantly.

According to Ford, auto start-stop offers an average fuel-efficiency gain of

about 3.5%. Motorists who do a lot of stop-and-go driving, however, could see fuel efficiency increase by as much as 10%.

The auto stop-start technology is part of Ford's Blueprint for Sustainability.

Future plans include a dynamic cruise control, which would enhance fuel economy through optimized torque control. For more information, please see media.ford.com/content/fordmedia/fna/us/en/news/2013/12/12/70-percent-of-ford-lineup-to-have-auto-start-stop-by-2017--fuel-.html.

PORTS

Pilot Program Seeks to Reduce Truck Idling at POLA

Truck idling generates significant emissions at ports. When a truck arrives at a terminal, it stands in line—sometimes for hours—to pick up cargo that may be stacked beneath hundreds of other containers. That's a lot of 0-mpg fuel use.

At the Yusen terminal at the Port of Los Angeles (POLA), which handles about 1,400 containers a week, a 6-month demonstration project to reduce truck idling is underway. Schedulers and drivers plan for cargo pickups based on real-time data. The system provides information to drivers and terminal operators based on a formula that considers a

number of variables, including driver availability and traffic conditions. Fifty trucks will be equipped for the project, the goal of which is to reduce truck trips and fuel consumption by 15%.

The \$750,000 demonstration project is funded by the U.S. Department of Transportation (DOT) Research and Innovative Technology Administration. More information is available at presstelegram.com/business/20131211/pilot-program-may-reduce-truck-idling-at-ports-of-los-angeles-long-beach.

CARB To Recognize "Good Faith" Efforts with Start of Shore-Power Rules

CARB recently issued an advisory clarifying that marine vessels will not be penalized if they are unable, for reasons outside of their control, to use shore power as required as of January 1, 2014. Shore power, sometimes called "cold ironing," allows vessels at berth to draw electrical power rather than run their diesel engines.

"These vessel fleets need some flexibility during the transition period from January 1–June 30, 2014, to implement the new practices," the CARB advisory stated.

The CARB advisory, "Ships At-Berth Regulation: The Air Resources Board Will Recognize Good Faith Efforts of Vessel Fleets To Comply During Transition Period," is available at arb.ca.gov/ports/shorepower/forms/regulatoryadvisory/regulatoryadvisory12232013.pdf.

To see a video that shows how ships "plug in," please go to dailynews.com/business/20131230/ports-vessels-get-ready-for-new-statewide-regulation-to-lower-emissions-through-shore-power.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

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Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	MISSOURI	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	TENNESSEE	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
COLORADO	Illinois	Massachusetts	NEW HAMPSHIRE	Oregon	Vermont	
CONNECTICUT	Indiana	Michigan	New Jersey	Pennsylvania	VIRGINIA	
Delaware	Iowa	MINNESOTA	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmidadatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/diesel/coll-rocky.htm; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)

- Thermo King (na.thermoking.com/tk-innovation/global/en/products/apu/tripac-evolution-payback-calculator.html.html)

- Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
- ZeroRPM (zerorpm.com/select-calc)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign

Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to epamap10.epa.gov/website/irim_us_map.asp.

Idling Reduction Outreach Assistance

Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.



National Idling Reduction Network News

December 2013

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National Idling Reduction Network News

November 2013

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Clean Air Fleets (GPS and retrofit technologies to support idle reduction in the Denver Metro area and Colorado Front Range)	~\$1 million	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290, or cleanairfleets.org
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvlcprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Minnesota Pollution Control Agency (MPCA)	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-environmental-improvement-loan-program.html
San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project (HVIP) Plus-up Voucher Funding Program	~\$978,000	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
San Diego County Air Pollution Control District (APCD)	Proposition 1B: Goods Movement Emission Reduction Program	~\$6 million	Accepting applications for backup projects through December 12, 2013	sdapcd.org/homepage/grants/grants.html
U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE)	Small Business Innovation Research (SBIR) and Technology Transfer (STTR) Program, Grants for Clean Energy Technologies	Not yet available	Letter of Intent, December 16, 2013; Application, February 4, 2014	energy.gov/eere/articles/energy-department-announces-topics-and-new-approaches-grants-small-businesses-clean
MPCA	Diesel Emissions Reduction Act (DERA) Grant Program	\$120,000	December 16, 2013	pca.state.mn.us/wfhy4c4
NYSERDA	New York State Clean Air School Bus Program, Round 3	<\$1.7 million	December 30, 2013	nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx
California Energy Commission	Federal Cost-Share for Emerging Technologies, Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP)	~\$2.2 million	January 10, 2014	energy.ca.gov/contracts/PON-13-604/
North Carolina Department of Environment and Natural Resources (NCDENR), Division of Air Quality	APU/Idle Reduction Device Rebate Program	~\$80,000	First-come, first served, as long as funds remain but no later than September 30, 2014	daq.state.nc.us/motor/Rebates/

REGULATORY NEWS

Granbury Joins Texas Communities That Restrict Idling

The City of Granbury, Texas, has joined 28 of its neighbors in the enforcement of the Texas Commission on Environmental Quality's (TCEQ) idling restriction. TCEQ's rule, which applies to communities that have signed a Memorandum of Agreement with the TCEQ, prohibits vehicles with a gross vehicle weight (GVW) of more than 14,000 lb from idling for more than 5 minutes. There are numerous exceptions, including vehicles equipped with a 2008 or newer engine that has been certified to emit no more than 30 grams of nitrogen oxides per hour when idling.

In North Central Texas, where 10 counties are in nonattainment for federal ozone standards, the reduction of heavy-duty vehicle idling is among the measures to reduce ozone and other harmful pollution. In the Dallas-Fort Worth 8-Hour Ozone Attainment Demonstration State Implementation Plan (SIP), locally enforced idling restrictions are included as "weight of evidence."

For more information about the TCEQ idling rule and a list of the counties and municipalities that adhere to it, please go to nctcog.org/trans/air/programs/idling/engineoffnorthtexas/drivers.asp.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Duke Energy (Charlotte, North Carolina)	North Carolina Solar Center (Clean Fuel Advanced Technology [CFAT] Awards)	Purchase of Railserve LEAF Gen-Set Tier III locomotive	\$200,000
Town of Cary, North Carolina	North Carolina Solar Center (CFAT Awards)	Installation of idle reduction equipment on 22 vehicles and telematics equipment on 57 vehicles for the town's fleet	\$121,779
Idle-Free VT	Vermont Department of Health, Vermont Asthma Program	Implementation of School No Idling Policies (SNIP), a program designed to increase the number of schools adopting no-idling policies	\$7,500
Plug Power (Latham, New York)	NYSERDA	Demonstration of the viability of replacing diesel generators with hydrogen fuel cells for powering transport refrigeration units (TRUs)	\$500,000
Snohomish County Fire District 7 (Snohomish, Washington)	Washington State Department of Ecology and the Puget Sound Clean Air Agency	Battery- and generator-based idle reduction systems for 2 fire engines and 3 emergency medical response units	~\$83,000
Zanesville City School District (Zanesville, Ohio)	Ohio EPA	Installation of diesel oxidation catalysts and anti-idling equipment on 21 school buses and emission reduction equipment on 10 school buses	\$62,298

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Argonne National Laboratory	Alternative Fuel Life-Cycle Environmental and Economic Transportation (AFLEET) Tool	greet.es.anl.gov/afleet
CARB	Carl Moyer Program Guidelines [updated]	arb.ca.gov/msprog/moyer/guidelines/current.htm
Frost and Sullivan	Strategic Analysis of Global Hybrid and Electric Heavy-Duty Transit Bus Market	Summary and table of contents available at frost.com/prod/servlet/report-brochure.pag?id=NC7C-01-00-00-00
North American Council for Freight Efficiency (NACFE)	Trucking Efficiency – Anti Idling Technology Overview	nacfe.org/wp-content/uploads/2013/08/Trucking-Efficiency-Anti-Idling-Tech-Overview-072413.pdf
Navigant Research	Advanced Electric Forklift Technologies in North America	Summary and table of contents available at navigantresearch.com/research/advanced-electric-forklift-technologies-in-north-america
WTAQ	Truckers, State Benefit from Diesel Idling Reduction Grants (podcast)	media.mwcradio.com/podcasts/newsmaker-interviews/087/newsmaker-interviews-087.mp3

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Truck and Bus Regulation Workshops	Sacramento, California—December 4, 2013 (also webcast) Redding, California—December 5, 2013 San Diego, California—December 10, 2013 Fresno, California—December 12, 2013		arb.ca.gov/dieseltruck
CARB Public Hearing To Consider Proposals Related to On-Road Medium- and Heavy-Duty Vehicles and Engines	Sacramento, California	December 12, 2013	arb.ca.gov/lispub/rss/displaypost.php?pno=7108
New York Clean Truck Incentives Webinar	Webinar	December 12, 2013	truck-vip.ny.gov/index.php
TCEQ Public Hearing on Proposed Revisions to the Texas Emissions Reduction Plan (TERP) Rule	Austin, Texas	December 12, 2013	tceq.texas.gov/rules/prop.html

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MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	December 18, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/
Midwest Truck and Trailer Show	Peoria, Illinois	January 31–February 1, 2014	midwesttruckshow.com/
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
NTEA Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
Northeast Regional High-Efficiency Truck Users Forum (HTUF) Fleet Workshop and Ride and Drive	New York City, New York	March 16, 2014	calstart.org/Events/CALSTART-Events.aspx
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
2014 U.S. DOE Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/events_detail.html?event_id=7447
Society of Automotive Engineers (SAE) 2014 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 7–9, 2014	sae.org/events/cve/
Green Fleet Conference and Expo	Schaumburg, Illinois	October 29–30, 2014	greenfleetconference.com/

MANUFACTURERS' NEWS

ESW: Engine Coolant Heater Reduces Engine Emissions

ESW America, Inc. (Montgomeryville, Pennsylvania), an emissions-testing company, recently measured the effects of the use of a Webasto Thermo Top C 5-kW coolant heater on the emissions of a 2005 diesel engine.

ESW staff collected and analyzed data on the International DT-466 engine using a dynamometer. The emissions data for engine start-up temperatures of 40°F, 75°F, and 155°F showed that the engine prewarmed to 155°F reduced start-up emissions as follows:

- Nitrogen oxide (NOx) emissions were reduced by 40%.
- Particulate matter (PM) emissions were reduced by 27% compared

to a 75°F start, and 66% compared to a 40°F start. (Less PM extends the time between diesel particulate filter regenerations or changes, saving time and cost.)

- Carbon monoxide (CO) was reduced by 29% for a 40°F start and 62% for a 75°F start.
- There was no significant effect on hydrocarbon emissions.

To read more about the emissions measurements, please go to eswgroup.com/webasto-releases-test-results-indicating-pre-heated-engines-reduce-emissions-and-improve-dpf-performance/.

Thermo King Increases TriPac Evolution Maintenance Interval

APU manufacturer Thermo King is now offering a 2,000-hour maintenance interval, up from 1,500 hours, on all TriPac Evolution APUs, including those previously purchased. According to the company, the extended maintenance interval reduces costs and better aligns with tractor maintenance cycles, reducing downtime.

The TriPac Evolution, launched earlier this year, is EPA Tier IV compliant and

provides truck cab/sleeper compartment climate control, engine preheating, battery charging, and electric power. For more information, please go to truckinfo.com/channel/products/product/detail/2013/11/thermo-king-s-tripac-evolution-features-2-000-hou.aspx and na.thermoking.com/content/dam/tki-na/pdf/brochures/apu/forms_55719-19-PL_4-13_LR.pdf.

PORTS

Port of Oakland: Shore Power Infrastructure Complete

The Port of Oakland has completed the installation of its shore-power infrastructure. Shore power, sometimes called cold ironing, enables ships

at berth to turn off their auxiliary diesel engines and plug in for electrical power, markedly reducing emissions at ports.

According to the Port's 2012 Seaport Air Emissions Inventory, the Port of Oakland has reduced its diesel particulate emissions by 70% since 2005. With the completion of the shore-power infrastructure, the Port expects "to knock another 11 tons of diesel particulate matter out of the air," said Port Board Second Vice-President Earl S. Hamlin.

The estimated project cost is approximately \$70 million, about \$10 million of which was covered by the private sector. Beginning on January 1, 2014, operators of container, passenger, and refrigerated cargo vessels visiting California ports more than 25 times a year will be required to use shore power.

For more information, please see portofoakland.com/newsroom/pressReleases/2013/pr_319.aspx and portofoakland.com/pdf/newsroom/pressrel_319.pdf.

(Photo: Demonstration of components of the plug-in equipment at a November 8, 2013, press conference on the completion of the Port's shore-power infrastructure. Photo courtesy of Kelly Patrick Dugan and the Port of Oakland.)



OTHER NEWS OF INTEREST

Study Quantifies Air-Quality Benefits of School Anti-Idling Campaigns

In a Cincinnati-based study, investigators sought to measure the air-quality impacts of an anti-idling campaign at four schools. The campaign, which sought to reduce idling by school-bus drivers and parents dropping off or picking up their children, included:

- An educational program for school-bus drivers and parents, followed by an anti-idling pledge;
- Anti-idling signs near school drop-off and pick-up zones;
- Student and staff assemblies about air quality;

- A student-led movie; and
- Monitoring of idling activity.

Investigators collected outdoor air-quality samples before and after the campaign to measure particulate matter (PM_{2.5}), elemental carbon (EC), and particle number concentration (PNC). Before the campaign, the air-quality measurements exceeded community background levels at three of the four schools. Following the campaign, at the school with the most buses (39), background levels of PM_{2.5} had decreased 76% and EC had decreased 63%.

Patrick Ryan, the study's lead author, said, "The results of this study demonstrate, for the first time, that not idling is a simple and effective policy that can improve air quality at schools, especially schools with a large number of buses."

The study involved Cincinnati Children's Hospital, Cincinnati Public Schools, the Cincinnati Health Department, and the University of Cincinnati

Department of Environmental Health. *Environmental Science: Processes & Impacts* will publish the study early next year. (The abstract is available at pubs.rsc.org/en/content/articlelanding/2013/em/c3em00377a#ldivAbstract.) For more information, please see cincinnatichildrens.org/news/release/2013/community-campaign-reduces-air-pollution-10-8-2013/.

Documentary *Idle Threat* and Companion Children's Book Available

"Excuse me for bothering you, but are you aware that it's against the law to idle your car engine for more than 3 minutes?"

That's how New York City's anti-idling crusader, George Pakenham, has approached thousands of idling motorists over the years. His story, captured in his 2012 documentary, *Idle Threat*, is now available on DVD. A companion

children's book, *Big Nose, Big City*, about a dog's experience of city smells—good and bad—is also available. For more information, please go to idlethreatmovie.com/. A recent interview with Mr. Pakenham is available at pittsburgh.cbslocal.com/video?autoStart=true&topVideoCatNo=default&clipId=9550308.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

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Arizona	Georgia	Louisiana	Montana	North Dakota	TENNESSEE	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
COLORADO	Illinois	Massachusetts	NEW HAMPSHIRE	Oregon	Vermont	
CONNECTICUT	Indiana	Michigan	New Jersey	Pennsylvania	VIRGINIA	
Delaware	Iowa	MINNESOTA	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i>						

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resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (IDLINGREDUCTION@ANL.GOV) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmidatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/diesel/coll-rocky.htm; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/fuel-consumption-calculator/)
- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Idle Smart (idlesmart.com/calculator.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)

- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Thermo King (na.thermoking.com/tk-innovation/global/en/products/apu/tripac-evolution-payback-calculator.html.html)
- Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
- ZeroRPM (zerorpm.com/select-calc)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign

Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to epamap10.epa.gov/website/irim_us_map.asp.

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Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof.



National Idling Reduction Network News

October 2013

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Congestion Mitigation and Air Quality (CMAQ) Funding for GPS Hardware To Support Idle Reduction (Denver Metro/North Front Range Area)	Indeterminate	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html

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Minnesota Pollution Control Agency (MPCA)	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project (HVIP) Plus-up Voucher Funding Program	~\$804,000	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
San Diego County Air Pollution Control District (APCD)	Proposition 1B: Goods Movement Emission Reduction Program	~\$6 million	Accepting applications for backup projects through November 12, 2013	sdapcd.org/homepage/grants/grants.html
Kentucky Department for Environmental Protection, Division for Air Quality	Kentucky Clean Diesel Program	\$90,000	November 15, 2013	air.ky.gov/Pages/KentuckyCleanDieselGrantProgram.aspx
State of Washington Department of Ecology	Washington State Clean Diesel Grant Program	\$3.3 million	November 22, 2013	ecy.wa.gov/programs/air/cars/DieselGrantPage.htm
New Hampshire Department of Environmental Services, Air Resources Division	State Clean Diesel Program	Up to \$72,985	November 27, 2013	des.nh.gov/organization/divisions/air/tsb/tps/msp/diesel-vehicles/documents/2013-dera-state-program.pdf
U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE)	Small Business Innovation Research (SBIR) and Technology Transfer (STTR) Program, Grants for Clean Energy Technologies	Not yet available	Letter of Intent, December 16, 2013; Application, February 4, 2014	energy.gov/eere/articles/energy-department-announces-topics-and-new-approaches-grants-small-businesses-clean
MPCA	Diesel Emissions Reduction Act (DERA) Grant Program	\$120,000	December 16, 2013	pca.state.mn.us/wfhy4c4
NYSERDA	New York State Clean Air School Bus Program, Round 3	<\$1.7 million	December 30, 2013	nyserdera.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Energy Commission	Federal Cost-Share for Emerging Technologies, Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP)	~\$2.2 million	January 10, 2014	energy.ca.gov/contracts/PON-13-604/

REGULATORY NEWS

CARB Proposes Idling-Rule Change

CARB is proposing a number of changes related to on-road medium- and heavy-duty vehicles and engines. One proposal includes changes to the state's idling rule, which restricts the idling of commercial, diesel-powered vehicles weighing more than 10,000 lb to 5 minutes or less. CARB's proposed changes include expanding those responsible for compliance with the rule to the *truck owner* and the *dispatching motor carrier*, in addition to the truck operator. Under CARB's proposal, when a citation is written, a copy would be sent to any one or all three of the responsible parties. Once the citation is settled by any party, it would be cleared. CARB anticipates that the rule change would increase the number of settled citations.

According to CARB's "Staff Report: Initial Statement of Reasons for Proposed Rulemaking," about 42% of idling citations issued in 2012 remained unsettled at the end of the year.

CARB also proposes changing the definition of "restricted areas" in relation to vehicle idling. Currently, the idling of truck engines and diesel APUs is prohibited within 100 feet of "any real property zoned for individual or multifamily housing units that has one or more of such units on it." CARB's proposed rulemaking would expand the definition of "restricted areas" to include schools, hotels, and motels.

If passed as proposed, CARB's changes would become effective on January 1, 2015. On December 12, CARB will host a public hearing in Sacramento on its numerous proposed changes. A report detailing the reasons for the proposed rulemaking is available at arb.ca.gov/regact/2013/hdghg2013/hdghg2013isor.pdf. For more information, please see landlinemag.com/Story.aspx?StoryID=26073.

EPA Region 1 Fines NRT for Excessive Idling

North Reading Transportation (NRT), a Methuen, Massachusetts, company that operates school buses and provides student transportation services in several Massachusetts communities, will pay a penalty of \$33,000 to settle EPA allegations that it violated federally enforceable idling limits in Massachusetts.

In addition to paying the fine, NRT will implement a range of idling reduction measures, including training all drivers, posting anti-idling signs, performing periodic walk-throughs of school-bus lots to ensure compliance, and notifying all school districts of NRT's policy against excessive idling. The company will also install block heaters in nearly 200 of its school buses.

According to an EPA press release, NRT has already implemented a number of these idle reduction measures.

The enforcement action came about after an EPA inspector observed NRT school buses idling for extended periods in school-bus lots in Lowell, Lynn, Wilmington, and Methuen, Massachusetts, earlier this year. According to

the EPA, the buses' excessive idling violated federally enforceable idling restrictions contained in the Massachusetts air quality State Implementation Plan (SIP), which limits idling to 5 minutes or less. For more information, please see

yosemite.epa.gov/opa/admpress.nsf/0/3753A7230719C83385257C1200654AB8.

AWARDS AND RECOGNITION

Shorepower Earns SAFE's Advanced Technology Award

Securing America's Future Energy (SAFE), an organization dedicated to reducing America's dependence on oil, has awarded Shorepower Technologies an Advanced Technology Award for "leadership in driving fundamental improvements to America's energy security." Shorepower was one of four companies to receive the award. Cummins Westport, General Motors, and Nissan were also recognized for their leadership in providing technologies that support energy security.

With the support of a DOE American Recovery and Reinvestment Act (ARRA) award, Shorepower Technologies has deployed truck stop electrification

(TSE) services at 62 U.S. locations, for a total of more than 1,800 parking spots. The installations enable long-haul trucks and refrigerated truck trailers to draw power from the grid rather than from idling diesel engines. To locate truck stops equipped with Shorepower plug-in parking spaces, please click on shorepowerconnect.com/PurchaseServiceNew.aspx.

SAFE is a nonpartisan organization dedicated to reducing the U.S.'s dependence on oil by educating policymakers and advocating for energy reform. To learn more about the SAFE award winners, please see secureenergy.org/EnergySecurityPrizePresser.

GM Recognizes Espar for Supplier Quality Excellence

In early October, General Motors (GM) awarded Espar, manufacturer of air and coolant heaters that reduce the need for idling, its Supplier Quality Excellence Award. Espar provides the auto manufacturer with its Hydronic D5 Z coolant heater assembly and two fuel-pump assemblies.

According to *School Transportation News*, GM established the Supplier Quality Excellence Award in 2012 to recognize the top 7% percent of product suppliers. These suppliers must meet stringent quality performance

criteria and provide cross-functional support to GM. Suppliers are recognized based on their performance for the period of July 1 through June 30 each year.

More information about the award is available at stnonline.com/home/latest-news/5669-gm-awards-supplier-quality-of-excellence-award-to-espar-climate-control-systems.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Environmental Media Association	Don't Be an Idler	ema-online.org/everything-you-need-to-know-about-idling/
Idle-Free VT	Idle-Free for Fleet\$ Project: Final Progress Report	idlefreevt.org/misc_pdf/IFF_VDH_CDC_final_report.pdf
International Council on Clean Transportation	Vehicle Idling after Cold Starts (fact sheet)	ewashtenaw.org/government/departments/environmental_health/recycling_home_toxics/green_media/motor-smart/resources/cold-starts-and-engine-idling
Navigant Research	Hydraulic Hybrid Vehicles	navigantresearch.com/research/hydraulic-hybrid-vehicles
Southern Environmental Law Center	Clearing the Air: Would Shoreside Power Reduce Air Pollution Emissions from Cruise Ships Calling on the Port of Charleston, SC?	coastalconservationleague.org/wpcontent/uploads/2010/01/ERA-Charleston-Shoreside-Power-Report-.pdf
Transportation Research Board (TRB) National Cooperative Freight Research Program (NCFRP)	Truck Idling Scoping Study	onlinepubs.trb.org/onlinepubs/ncfrp/docs/NCFRP28_FR.pdf
U.S. EPA	SmartWay Transport Partnership: Driving Data Integrity in Transportation Supply Chains	epa.gov/smartway/documents/basic-info/420b13005.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
TRB: Airport Emission Inventories and Reduction Strategies	Webinar	November 7, 2013	trb.org/ElectronicSessions/Blurbs/169267.aspx
East Bay Clean Cities' Green Vehicle and Infrastructure Funding Workshop	Fairfield, California	November 14, 2013	cleancitieseastbay.org/ or e-mail admin@cleancitieseastbay.org
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	November 18, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
North American Natural Gas Vehicle Conference and Expo	Atlanta, Georgia	November 18–21, 2013	cleanvehicle.org/conference/2013/index.shtml

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Hearing To Consider Proposals Related to On-Road Medium- and Heavy-Duty Vehicles and Engines	Sacramento, California	December 12, 2013	arb.ca.gov/lispub/rss/displaypost.php?pno=7108
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/
Midwest Truck and Trailer Show	Peoria, Illinois	January 31–February 1, 2014	midwesttruckshow.com/
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
National Truck Equipment Association (NTEA) Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
2014 U.S. DOE Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/event_detail.html?event_id=7447

MANUFACTURERS' NEWS

Webasto Introduces SmarTemp Control Timers

Webasto has introduced the SmarTemp Control and the SmarTemp Control fx programmable timers. The SmarTemp Control is designed to work with the Webasto Air Top 2000 ST bunk heater. With a backlit LCD screen and a large dial, it allows the truck operator to maintain constant bunk temperatures and lower fuel costs. The SmarTemp Control fx works with

Webasto Scholastic and coolant heaters and accommodates up to four different timer settings. Both display heater diagnostic codes. For more information about SmarTemp Control and the SmarTemp Control fx, please see smartempcontrol.com/.

ELECTRIFIED PARKING SPACES

IdleAir Offers Reset Special

IdleAir is now offering a new “Reset Special” for truck operators using IdleAir during their federally required 34-hour Hours of Service (HOS) resets. The offer, which begins in early November and runs through April 30, 2014, includes up to 40 hours of IdleAir Premium Service for a flat fee of \$50 before tax. Premium Service includes heat, air conditioning, 120V power, DIRECTV, and basic internet. Customers can select the Reset Special at the beginning of their visits. A driver staying longer than 40 hours in a

continuous visit automatically receives the IdleAir Extended Stay rate of \$1.69 per hour after the first 40 hours.

The 34-hour HOS reset allows drivers to “restart” their 60- or 70-hour clock (federal weekly driving-hour limit) after having at least 34 consecutive hours off duty. For more information about IdleAir’s offer, please go to idleair.com/news/idleair-introduces-new-package-for-34-hour-resets/.

OTHER NEWS OF INTEREST

After Seven Years of Debate, Ontario Town Adopts Idling Bylaw

In Sarnia, Ontario, Canada, a persistent Community Round Table Environmental Committee can claim victory after 7 years of effort. With a 5-3 vote, the Sarnia City Council recently passed By-Law 81 of 2013, which restricts idling to no more than 1 minute in a 60-minute period, with the customary exceptions. Violating the new bylaw may result in a \$100 fine. The law goes into effect on January 1, 2014.

According to local news source, *The Observer*, city staff researching how other jurisdictions with idling restrictions have handled infractions found that the cities of Windsor, London, and Hamilton have yet to issue a ticket

or a warning. In Cambridge, two to six tickets and three to four warnings are handed out each year. *The Observer* reports that a city staff report prepared for the council states while Sarnia Parking Authority staff are expected to enforce the bylaw, they will emphasize education through warnings.

More information is available at theobserver.ca/2013/09/09/idling-vehicles-could-be-ticketed-come-january-2014. For the text of the bylaw, please go to sarnia.civicweb.net/Documents/DocumentList.aspx?Id=48534&Search=1&Result=5.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	<i>MISSOURI</i>	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>TENNESSEE</i>	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
<i>COLORADO</i>	Illinois	Massachusetts	<i>NEW HAMPSHIRE</i>	Oregon	Vermont	
<i>CONNECTICUT</i>	Indiana	Michigan	New Jersey	Pennsylvania	<i>VIRGINIA</i>	
Delaware	Iowa	<i>MINNESOTA</i>	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

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- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Idle Smart (idlesmart.com/calculator.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)

- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Thermo King (thermoking.com/tripac/)
- Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
- **ZeroRPM** (zerorpm.com/select-calc)

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In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign

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Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.



National Idling Reduction Network News

October 2013

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National Idling Reduction Network News

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Congestion Mitigation and Air Quality (CMAQ) Funding for GPS Hardware To Support Idle Reduction (Denver Metro/North Front Range Area)	Indeterminate	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html

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Minnesota Pollution Control Agency	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project (HVIP) Plus-up Voucher Funding Program	~\$804,000	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
California Air Quality Management Districts (AQMD)	Proposition 1B: Goods Movement Emission Reduction Program	~\$150 million statewide	October 10, 2013 (see individual AQMD websites for "backup" solicitation periods)	arb.ca.gov/bonds/gmbond/gmbond.htm (scroll down for individual AQMD websites)
California Energy Commission	Centers for Alternative Fuels and Advanced Vehicle Technology	\$4.7 million	October 25, 2013	energy.ca.gov/contracts/PON-13-605/00_PON-13-605.pdf
NYSERDA	New York State Clean Air School Bus Program, Round 3	<\$1.7 million	December 30, 2013	nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

REGULATORY NEWS

California Advances on \$2 Billion for Clean Transportation Programs

California lawmakers recently sent a bill to the Governor's desk that would reauthorize funding—\$2 billion through the year 2023—for key clean transportation programs. Assembly Bill (AB) 8 provides funding for voluntary clean-vehicle incentive programs such as the Air Quality Improvement Program (AB 118) and the Carl Moyer and AB 923 programs.

According to CALSTART, Governor Jerry Brown has announced his intent to sign the bill into. For more information, please see calstart.org/News_and_Publications/CALSTART-in-the-news/CALSTART-Press-Releases/Calif-Legislature-Passes-Historic-Clean-Transport.aspx.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
American Idle Reduction LLC, distributor for AireDock (Trumbull County, Ohio)	Ohio EPA	Installation of 14 electrified truck-stop spaces at the Mr. Fuel on I-80 in Girard	\$187,280
American Idle Reduction LLC, distributor for AireDock (Trumbull County, Ohio)	Ohio EPA	Installation of 17 electrified truck-stop spaces at the Love's Travel Stop on I-80 in Hubbard	\$266,080
American Idle Reduction LLC, distributor for AireDock (Wood County, Ohio)	Ohio EPA	Installation of 12 electrified truck-stop spaces at the Love's Travel Stop on I-75 in North Baltimore	\$180,720
American Idle Reduction LLC, distributor for AireDock (Butler County, Ohio)	Ohio EPA	Installation of 25 electrified truck stop spaces at the Stony Ridge Travel Center on I-75 in Monroe	\$427,120
JARO Transportation Services, Inc. (Trumbull and other counties, Ohio)	Ohio EPA	Installation of APUs on 30 short-haul trucks	\$201,936
Sugar Creek Packing Company (Butler and other counties, Ohio)	Ohio EPA	Replacement of 20 diesel-powered trailer refrigeration units (TRUs) with 20 plug-in electric hybrid TRUs	\$464,560
Railserve, Inc. (Hamilton County, Ohio)	Ohio EPA	Repower of 1 pre-1973 switcher locomotive with gen-set technology	\$628,000
Norfolk Southern Railway Company (Ashtabula and other counties, Ohio)	Ohio EPA	Installation of electric layover heating systems in 26 switcher locomotives and 21 480-volt three-phase plug-in stations	\$1,484,736

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Savage Services (Lucas County, Ohio)	Ohio EPA	Repower of 1 switcher locomotive engine with a new diesel Tier 4i compliant engine and APU	\$688,000
Rutland Regional Medical Center (Rutland, Vermont)	Vermont Department of Environmental Conservation, Air Pollution Control Division	Installation of emergency-vehicle idle-reduction technology	\$32,000
Vermont Railway, Inc. (Vermont)	Vermont Department of Environmental Conservation, Air Pollution Control Division	Installation of locomotive idle-reduction technology	\$67,500
Albuquerque International Sunport	Federal Aviation Administration (FAA) Voluntary Airport Low Emission (VALE) Program	Installation of charging units for ground-support equipment	\$464,000
Birmingham-Shuttlesworth (Alabama) International Airport	FAA VALE Program	Installation of low-emission equipment, such as preconditioned air units	\$2,847,790
Boston General Edward Lawrence Logan International Airport	FAA VALE Program	Installation of low-emission equipment, such as preconditioned air units	\$2,000,000
Metropolitan Oakland International Airport	FAA VALE Program	Installation of low-emission equipment, such as preconditioned air units	\$2,179,006
San Diego International Airport	FAA VALE Program	Installation of low-emission equipment, such as preconditioned air units	\$3,109,162
Seattle-Tacoma International Airport	FAA VALE Program	Installation of low-emission equipment, such as preconditioned air units	\$3,547,527
Syracuse Hancock International Airport	FAA VALE Program	Installation of low-emission equipment, such as preconditioned air units	\$2,885,400

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Clean Energy Coalition	Fuel Forward Fleet Study Prepared for the City of Auburn Hills, Michigan	71.6.170.26/revize/auburnhills/document_center/AH_Fuel_Forward_Report.pdf
U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (DOE EERE)	Clean Cities Guide to Alternative Fuel and Advanced Medium- and Heavy-Duty Vehicles	afdc.energy.gov/uploads/publication/medium_heavy_duty_guide.pdf
Northeast Diesel Collaborative (NEDC)	NEDC 2013 Partners Meeting	northeastdiesel.org/presentations-2013-partners-meeting.html

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
High-Efficiency Truck Users Forum (HTUF) National Meeting 2013	Chicago, Illinois	October 7–9, 2013	conferences.stagedrightevents.com/htuf/
CARB Workshop: Updates to Mobile Source Emissions Inventory Tools	Sacramento, California (also webcast)	October 8, 2013	arb.ca.gov/msei/workshop-meetings.htm
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	October 21–23, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
Greater Lansing Area Clean Cities (GLACC) Idle Reduction Workshop	Lansing, Michigan	October 24, 2013	michigancleancities.org/archives/1901
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
Transportation Research Board (TRB): Airport Emission Inventories and Reduction Strategies	Webinar	November 7, 2013	trb.org/ElectronicSessions/Blurbs/169267.aspx
North American Natural Gas Vehicle Conference and Expo	Atlanta, Georgia	November 18–21, 2013	cleanvehicle.org/conference/2013/index.shtml
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/
Midwest Truck and Trailer Show	Peoria, Illinois	January 31–February 1, 2014	midwesttruckshow.com/
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
National Truck Equipment Association (NTEA) Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/

MANUFACTURERS' NEWS

eNow Partners with Hercules for Solar-Powered Idling Reduction

eNow (Warwick, Rhode Island) has announced that two of its solar-powered idle-reduction products will be available for insulated and dry-freight delivery vehicles produced by Hercules Manufacturing Co. (Henderson, Kentucky).

eNow's SunTough Charge System is a solar-powered "trickle charge" system designed to keep vehicle batteries fully charged and conditioned while the vehicle's engine is off. This system is ideal for vehicles that sit idle for several days at a time or for delivery vehicles equipped with temperature-

monitoring equipment. The other product, eNow's SunLift System, is a solar-powered lift-gate accessory battery-charging system designed for trucks that have a heavy lift-gate duty cycle and stop frequently.

eNow designs, develops, and manufactures solar-based auxiliary power systems for the transportation industry. For more information, please see enowenergy.com/news/post/a-new-strategic-partnership-between-enow-inc.-and-hercules-mfg.-co.-will-pr.

Carrier Transicold Introduces Its Vector 8500 TRU

Carrier Transicold has launched the Vector 8500, a single-temperature hybrid TRU with improved fuel economy, greater refrigeration capacity, and reduced weight over its predecessor. The product complies with U.S. EPA's 2013 Tier 4 emissions requirements.

The Vector 8500's refrigeration and heating operations are 100% electric, powered over the road by an on-board generator driven by the unit's diesel engine. Electric-standby capability is built in, allowing vehicle operators to power systems with electricity rather than diesel fuel when parked. According to Carrier Transicold, the Vector 8500 can reduce operating costs

by up to 70% compared to diesel operations. More information is available at transicold.carrier.com/Carrier+Brand+Sites/Carrier+Transicold/Side+Bar+Links/

Transicold+News+Archive/New+Carrier+Transicold+Vector%E2%84%A2+8500+Unit+Sheds+Pounds,+Beefs+Up+Performance and truepowerofblue.com/.

TRUCK STOP ELECTRIFICATION

California Utility Undertakes New Shore-Power Pilot at Truck Stop

In a pilot program conducted about 10 years ago, the Sacramento Municipal Utility District (SMUD) installed 16 electrical shore-power hookups at the Sacramento 49er Truck Travel Plaza. The program's goal was to introduce truckers to "plugging in" as an alternative to idling for hotel load during their required rest periods. Now with 30 shore-power connections, SMUD has undertaken a new 18-month demonstration project. It seeks to collect technical data and determine the feasibility of a commercial project. During the current pilot, truck drivers have plugged in at no cost.

"Last decade, getting truckers to plug in instead of idling was challenging," said Tristen Griffith, president of the Sacramento 49er Truck Travel Plaza. "A lot has changed since then. We expect to see considerably more truckers plugging in now."

The cost of fuel alone for a 10-hour rest stop is about \$40. According to a SMUD press release, the actual cost of electricity for the same amount of time at the site is \$1. For more information, please go to smud.org/en/about-smud/news-media/news-releases/2013-07-30-truckers.htm. A video about the project is available at kcra.com/news/truckers-hook-up-to-save-money-environment/-/11797728/21278504/-/hcng3nz/-/index.html. (Photo: SMUD program

manager David Hatfield inspects a newly installed shore-power hookup at the 49er Travel Plaza. Photo courtesy of SMUD.)



OTHER NEWS OF INTEREST

Omaha Public Power District Tests Two Idling Reduction Systems

To reduce its vehicle idling time and fuel costs, the Omaha (Nebraska) Public Power District (OPPD) recently implemented two different kinds of idling reduction technology on its work trucks. The OPPD fleet team installed Energy Xtreme's EX Service Vehicle Independence Package power units with extended battery packages in two of its "trouble trucks," which are used for maintenance and repair calls. The Independence Package allows engine-off power for the vehicles' electrical accessories. According to Mike Donahue, OPPD's manager of transportation and construction, the reduced engine idling has, thus far, improved miles per engine hour from 12.6 to 16.9, a 34% improvement.

The OPPD fleet also purchased two Altec (Birmingham, Alabama) Jobsite Energy Management System (JEMS) units. The new hybrid-electric bucket trucks use stored electrical energy to power aerial devices and tools and

cab-comfort accessories. The energy storage system is recharged by plugging in to shore power or by the truck's running engine.

Reducing fuel costs is important to OPPD. Mr. Donahue told *Government Fleet* that over the last few years its annual transportation fuel spending had increased from around \$1.5 million to \$2.5 million. "I expect larger challenges if the economy really takes off," said the manager of the 1,400+ vehicle fleet.

The OPPD intends to evaluate the performance of each idle-reduction technology for optimal application. For more information about OPPD's fleet idle-reduction systems, please see government-fleet.com/article/story/2013/06/shutting-off-idling-engines.aspx?prestitial=1.

Alameda Equips Sheriff Patrol Cars with Energy Xtreme's IP2

The Alameda County, California, Sheriff's Office has equipped eight of its patrol vehicles with the Energy Xtreme's Independence Package (IP2)®. The IP2, which provides mobile electric auxiliary power, enables operation of vehicles' electrical systems in "engine off" mode, saving fuel, reducing emissions, and mitigating engine wear and tear. According to the manufacturer, the IP2 requires no maintenance and is recharged by the

vehicle's alternator while the vehicle is being driven, with payback varying from 10 to 18 months.

More information is available at prweb.com/releases/2013/8/prweb10986726.htm. For more information about Energy Xtreme's Independence Package series, please go to www.energyxtreme.net/solution/lawe.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	<i>MISSOURI</i>	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>TENNESSEE</i>	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
<i>COLORADO</i>	Illinois	Massachusetts	<i>NEW HAMPSHIRE</i>	Oregon	Vermont	
<i>CONNECTICUT</i>	Indiana	Michigan	New Jersey	Pennsylvania	<i>VIRGINIA</i>	
Delaware	Iowa	<i>MINNESOTA</i>	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmideatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/region8/air/rmcdc/; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)

- Hotstart (hotstart.com/fuel-consumption-calculator/)
- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Idle Smart (idlesmart.com/calculator.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)

- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
 - Odyssey Battery (odysseybattery.com/fleet.html)
 - Thermo King (thermoking.com/tripac/)
 - Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
-

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners,

National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to afdc.energy.gov/afdc/locator/tse/.

How To Find Back Issues of *National Idling Reduction Network News*

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Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
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Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
North Carolina Solar Center	Clean Fuel Advanced Technology (CFAT) Project	Up to \$1 million	September 10, 2013	ncsc.ncsu.edu/index.php/clean-transportation/clean-transportation-projects/clean-fuel-advanced-technology-project/
South Shore Clean Cities	BP Whiting Refinery Cleaner Air through Diesel Emission Reductions (BP-CADER)	\$450,000	September 16, 2013 for one subprogram, TBD September or October for others	southshorecleancities.org/ and click the BP-CADER graphic on the left side of the page
NYSERDA	Advanced Transportation Technologies	\$2.5 million	September 18, 2013	nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2781-Advanced-Transportation-Technologies.aspx
Federal Transit Administration	Bus Efficiency Enhancements Research and Demonstrations	~\$3 million	September 20, 2013	fta.dot.gov/grants/13077_15541.html
U.S. EPA	Clean Air Excellence Awards	Not applicable	September 27, 2013	epa.gov/air/cleanairawards/entry.html
Government of Canada	Shore Power Technology for Ports Program	Can\$27.2 million	September 30, 2013	tc.gc.ca/eng/programs/environment-sptp-2681.htm
California Air Quality Management Districts (AQMD)	Proposition 1B: Goods Movement Emission Reduction Program	~\$150 million statewide	October 10, 2013 (see individual AQMD websites for "backup" solicitation periods)	arb.ca.gov/bonds/gmbond/gmbond.htm (scroll down for individual AQMD websites)
NYSERDA	New York State Clean Air School Bus Program, Round 3	<\$1.7 million	December 30, 2013	nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

REGULATORY NEWS

Colorado and Connecticut Increase APU Weight Exemption

Connecticut and Colorado are the most-recent states to have increased the weight allowance for trucks equipped with APUs to 550 lb. Connecticut lawmakers made the change through Connecticut Public Act 13-271 (cga.ct.gov/2013/act/pa/2013PA-00271-R00HB-06033-PA.htm). In Colorado, legislators amended the Code of Colorado Regulations (CCR) 1507-28,

Port of Entry Rules for Commercial Motor Carrier Size, Weight and Clearance, which is available through sos.state.co.us/CCR/Welcome.do. Both states require that drivers provide documentation of the APU weight and proof that the APU is fully operational. *Source:* Heather Ness, J.J. Keller & Associates, Inc.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Nuvera (Billerica, Massachusetts)	U.S. Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy (EERE)	Demonstration of the use of fuel cells for transport refrigeration units (TRUs) in semi-trailer trucks	\$650,000
Plug Power (Latham, New York)	DOE, EERE	Demonstration of the use of fuel cells for transport refrigeration units (TRUs) in semi-trailer trucks	\$650,000
University of California Los Angeles	DOE, Advanced Research Projects Agency-Energy (ARPA-E)	Development of a long-life, acid-based battery, one potential of which is to facilitate the widespread adoption of start/stop technology	\$500,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Port of Long Beach	Presentations from May 2013 Shore Power Summit	longbeach.granicus.com/MediaPlayer.php?view_id=18&clip_id=6470
CARB	FAQs Regarding TRU Generator Sets and the New Broker-Shipper-Receiver-Carrier-Driver Requirements	arb.ca.gov/diesel/tru/documents/q&a_tru_gensets.pdf
Illinois Center for Transportation, University of Illinois	Transportation Conformity Particulate Matter Hot-Spot Air Quality Modeling	trb.org/main/blurbs/169335.aspx
NBC News—Business	Fuel-Saving Idle Elimination Coming to the Masses	nbcnews.com/business/fuel-saving-idle-elimination-coming-masses-6C10830979#fuel-saving-idle-elimination-coming-masses-6C10830979

SOURCE	TITLE	WEBSITE OR CONTACT
International Council for Clean Transportation	Barriers to the Increased Adoption of Fuel Efficiency Technologies in the North American On-Road Freight Sector	csswebform.org/webform/Document/ICCTReport.pdf
Transport Topics	Opinion: Tell Truck Stops To Power Up	ttnews.com/articles/basetemplate.aspx?storyid=32488

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
New York Truck Voucher Incentive Program (NYT-VIP) Informational Workshop	Brooklyn, New York	September 9, 2013	truck-vip.ny.gov/index.php
Air and Waste Management Association (AWMA): Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Northeast Diesel Collaborative (NEDC) SmartWay Transport Workshop and Partner Meeting	Groton, Connecticut	September 11–13, 2013	northeastdiesel.org/
North Central Texas Environmental Stewardship Forum: School-Zone Anti-Idling Webinar	Webinar	September 12, 2013	attendee.gotowebinar.com/register/2101968616401706496
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	September 17, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
North Central Texas Environmental Stewardship Forum: Texas State Idling Limitations Rule Webinar	Webinar	September 19, 2013	nctcog.org/trans/air/programs/idling/index.asp
San Francisco Clean Cities Coalition: Idling Gets You Nowhere!	San Francisco, California	September 24, 2013	sfccidlereduction.eventbrite.com/
SAE 2013 Heavy Duty Vehicles Symposium: Technologies for High Efficiency and Fuel Economy	Rosemont, Illinois	September 29–30, 2013	sae.org/events/hehdv/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	greenfleetconference.com/
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	sae.org/events/cve/
High-Efficiency Truck Users Forum (HTUF) National Meeting 2013	Chicago, Illinois	October 7–9, 2013	conferences.stagedrightevents.com/htuf/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Transportation Research Board (TRB): Airport Emission Inventories and Reduction Strategies	Webinar	November 7, 2013	trb.org/ElectronicSessions/Blurbs/169267.aspx
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
National Truck Equipment Association (NTEA) Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/

TRUCK STOP ELECTRIFICATION

New IdleAir Installations

IdleAir recently completed the construction of a dedicated fleet facility for freight carrier Transportation Services, Inc. (TSI; Mesquite, Texas). According to IdleAir, dedicated fleet facility customers receive discounted pricing and customized services and support. IdleAir plans to develop more such dedicated terminals.

The truck stop electrification (TSE) provider also has a new installation opening soon in Port Allen, Louisiana. At Cash's Truck Plaza, IdleAir will offer not only its traditional overhead HVAC ("yellow hose") service, but also dedicated electrified (power-only) pedestals with 110-volt and 20-amp

service. The Port Allen installation, which will accommodate 36 trucks, is a cooperative project undertaken with the Greater Baton Rouge Clean Cities Coalition (GBRCCC). The GBRCCC received a \$200,633 grant from Louisiana Department of Environmental Quality to match IdleAir's project contribution of \$207,451.

With 34 facilities representing approximately 2,000 electrified parking spaces in 12 states, IdleAir recently celebrated its third anniversary as part of Convoy Solutions, LLC. Please see idleair.com and gbrccc.org/2013/06/ for more information.

PORTS

POLA Boasts New Shore-Power–Capable Tugboat

In July, the Port of Los Angeles (POLA) welcomed a new tractor tugboat equipped with cold ironing (shoreside electrical power) capabilities. The Robert Franco, which assists and escorts large cargo vessels and tankers in the San Pedro Bay port complex, is equipped with Tier III engines. Several years from being required by law, Tier III engines reduce nitrogen oxides (NOx) and particulate matter (PM) emissions by 90% compared to Tier 0 engines. According to the company behind the Robert Franco, Harley Marine Services (Seattle, Washington), the 100-ft by 40-ft, 6,800-horsepower tugboat provides 91 tons of “bollard pull” (a measure of watercraft pulling force).

Harley Marine has been providing ship-assist services at POLA since 2000. More information is available at portoflosangeles.org/newsroom/2013_releases/news_071113_Tractor_Tug.asp and harleymarine.com/pr/M-ROBERT-FRANCO.pdf. (Photo: The shore-power compatible Robert Franco at the Port of Los Angeles. Courtesy of Millennium Maritime, a Harley Marine Services Company.)



Sea-Tac Aircraft To Plug In and Save \$15+ Million in Fuel Annually

Shore power isn't just for marine ports and truck travel plazas; it's used at airports. Seattle-Tacoma (Sea-Tac) International Airport has completed a shore power project in which aircraft being boarded or deplaned are heated or cooled not with diesel-fueled APUs, but by air that has been preconditioned in a centralized plant.

With the preconditioned air technology, airlines operating at Sea-Tac's 73 gates will not only save an estimated 5 million gallons of fuel annually, but also reduce greenhouse gas emissions by 40,000 metric tons and

nitrogen oxide emissions by 73 tons. Preconditioned air will also reduce noise-pollution levels at the gates.

“Pre-conditioned air is truly a win-win for the airport, airlines and the surrounding community,” said Elizabeth Leavitt, director of Planning & Environmental Management, Sea-Tac Airport. “This long-range investment by the airport will save money for the airlines, reduce our carbon footprint, clean the air of emissions and reduce noise for our neighbors.”

Of the \$43 million project, \$22 million was funded by Voluntary Airport Low Emissions Grants from the Federal Aviation Administration. Airport development funds, which accrue from fees charged to airlines, will pay the remainder of the cost. These fees will be offset by decreasing operating

costs for a projected payback of less than 3 years. For more information, please see portseattle.org/Newsroom/News-Releases/Pages/default.aspx?year=2013#392. Source: Joe Tario, NYSDERDA

OTHER NEWS OF INTEREST

NIRNN Editor Gets an Unexpected Flurry of Reader Feedback

In her excitement last month to share an international no-idling sign with *National Idling Reduction Network News (NIRNN)* readers, editor Terry Levinson's typing fingers got the better of her. As the photo shows, the sign near Trafalgar Square in London, England, states:

Notice to drivers
Engines must be switched
off whilst on stand

After Ms. Levinson sent the transmittal e-mail, in which she typed, "must be switched on" rather "must be switched off," she was met with a flurry of e-mails—including one from *NIRNN*'s concerned writer—questioning the message. The upside? Ms. Levinson now has hard data on how many people read her transmittal e-mails from start to finish.

Seriously, though, we do collect photos of idling signs and would like to add to our collection. International signs are especially prized. Please send us any photos you have; we may feature your sign in an upcoming issue.



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	<i>MISSOURI</i>	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>TENNESSEE</i>	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
<i>COLORADO</i>	Illinois	Massachusetts	<i>NEW HAMPSHIRE</i>	Oregon	Vermont	
<i>CONNECTICUT</i>	Indiana	Michigan	New Jersey	Pennsylvania	<i>VIRGINIA</i>	
Delaware	Iowa	<i>MINNESOTA</i>	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/funding.html; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/region8/air/rmcdc/; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Idle Smart (idlesmart.com/calculator.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)

- Natural Resources Canada
(oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
 - Odyssey Battery (odysseybattery.com/fleet.html)
 - Thermo King (thermoking.com/tripac/)
 - Webasto
(techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)
-

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners,

National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to afdc.energy.gov/afdc/locator/tse/.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html
San Joaquin Valley Air Pollution Control District (SJVACPCD)	SJVAPCD HVIP Plus-up Voucher Funding Program	~\$804,000	Rolling deadline until funds are awarded.	californiahvip.org/

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
Wisconsin State Energy Office	Diesel Truck Idling Reduction Grant Program	\$1 million	August 9, 2013	Contact doadtip@Wisconsin.gov
Maryland Energy Administration	Maryland Idle Reduction Technology Grant Program	\$142,000	August 16, 2013	energy.maryland.gov/Transportation/idle/
California Energy Commission	Used Medium-Duty Electric Vehicle Repower Demonstration	\$1.7 million	August 21, 2013	energy.ca.gov/contracts/PON-13-602/00-Application%20Manual%20PON-13-602.pdf
Wisconsin Department of Natural Resources	Wisconsin Clean Diesel Grant Program	~\$115,000	August 23, 2013	dnr.wi.gov/aid/cleandiesel.html
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	September 1, 2013	epa.ohio.gov/oeef/schoolbus.aspx
Ohio EPA	Ohio Diesel Emissions Reduction Grant (DERG) Program	Indeterminate	September 1, 2013	epa.state.oh.us/oeef/derg.aspx
New York State Energy Research and Development Authority (NYSERDA)	Advanced Transportation Technologies	\$2.5 million	September 18, 2013	NYSERDA.ny.gov
North Carolina Solar Center	Clean Fuel Advanced Technology (CFAT) Project	Up to \$1 million	September 10, 2013	ncsc.ncsu.edu/index.php/2013/07/10/funding-available-for-projects-reducing-transportation-related-emissions/
Federal Transit Administration	Bus Efficiency Enhancements Research and Demonstrations	~\$3 million	September 20, 2013	fta.dot.gov/grants/13077_15541.html
Government of Canada	Shore Power Technology for Ports Program	Can\$27.2 million	September 30, 2013	tc.gc.ca/eng/programs/environment-sptp-2681.htm

REGULATORY NEWS

Missouri Adopts 550-lb Weight Exemption

Missouri Governor Jay Nixon vetoed Senate Bill (SB) 43, a transportation bill covering a range of issues, including a provision to raise the allowed weight for APUs on trucks, but he signed into law another bill that does the job. House Bill (HB) 103 enacts a number of changes to transportation law, including the increase of the APU weight allowance from 400 lb to 550 lb.

For more information, please visit

landlinemag.com/Story.aspx?StoryID=25490. A summary of HB103's provisions is available at house.mo.gov/billtracking/bills131/sumpdf/HB0103T.pdf.

EPA Region 1 Fines Eastern Bus Co. for Excessive Idling

In an excessive-idling settlement with the New England EPA, Eastern Bus Co. has agreed to pay a \$35,000 penalty and reduce bus idling. In addition to posting anti-idling signs, enhancing driver training, and increasing supervisory presence in school bus lots, Eastern Bus Co. will install automatic idle shut-off controls on all of its buses by September 1.

In November and December of 2012, an EPA inspector observed Eastern buses idling excessively in school-bus lots in Wellesley, Somerville, and Newton, Massachusetts. The EPA alleged that the excessive idling violated federally enforceable motor-vehicle idling limits set forth in the

Massachusetts air-quality State Implementation Plan (SIP), which limits idling to no more than 5 minutes.

According to the EPA, idling school buses consume about one-half gallon of fuel per hour. By reducing the idling time of each bus in its fleet by 1 hour per day, Eastern Bus Co. would reduce its fuel use by 16,200 gallons—and avoid emitting 350,000+ lb of carbon dioxide—per year. More information about the enforcement action and settlement is available at yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/7bc85021211fcaa685257bab0050cabb!opendocument.

Northeast Locomotive Idling Bills Dead

New Hampshire lawmakers deemed HB508, a bill to limit the idling of diesel commuter-rail locomotives to 30 minutes, “inexpedient to legislate” and killed it. HB508 had been proposed to prepare for the possibility that the Massachusetts Bay Transit Authority (MBTA) would extend its line and create a layover station in Plaistow, New Hampshire, where locomotives would idle.

Similarly, in neighboring Maine, Legislative Document (LD) 28, “An Act To Reduce Air Pollution from Trains,” which would have restricted all continuous locomotive idling to 30 minutes or less, died.

The bills' histories are available at legiscan.com/NH/bill/HB508 and mainelegislature.org/LawMakerWeb/dockets.asp?ID=280046297.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Energetics Inc. (Rochester, New York)	NYSERDA	Study of the applicability and quantification of the benefits of installing idle reduction technology on New York State Department of Transportation (NYSDOT) Region 4's diesel-based fleet vehicles	\$75,000
New West Technologies LLC (Utica, New York)	NYSERDA	Demonstration, evaluation, and quantification of the economic and environmental benefits of a battery-electric propulsion system in a New York State Canal Corporation work boat	\$234,000
WXY Architecture + Urban Design (New York City, New York)	NYSERDA	Study of the feasibility of creating freight-based "Green Loading Zones" in New York City to encourage the use of electric vehicles and idle-free delivery technology	\$75,000
Odyne (Waukesha, Wisconsin)	Electric Power Research Institute (EPRI)	Development and deployment of plug-in hybrid systems for medium- and heavy-duty trucks	\$45.4 million

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Energy Information Administration (EIA)	International Energy Outlook 2013	eia.gov/forecasts/aeo/
EPA	Implementation of the 2008 National Ambient Air Quality Standards for Ozone: State Implementation Plan Requirements; Proposed Rule	gpo.gov/fdsys/pkg/FR-2013-06-06/pdf/2013-13233.pdf
Heavy Duty Trucking	IdleAir Looks To Avoid the Mistakes of Its Predecessors	heavydutytrucking.epubxp.com/i/141587/23
Sandia National Laboratories	Vessel Cold-Ironing Using a Barge Mounted PEM [proton exchange membrane] Fuel Cell: Project Scoping and Feasibility	eere.energy.gov/hydrogenandfuelcells/pdfs/sand2013-0501_barge_mounted_pemfc.pdf
Transport Topics	Opinion: Tell Truck Stops To Power Up	ttnews.com/articles/basetemplate.aspx?storyid=32488&t=Opinion-Tell-Truck-Stops-to-Power-Up
Truckinginfo.com	7 Ways to Cut Idling Costs	truckinginfo.com/channel/owner-operators/article/story/2013/07/7-ways-to-cut-idling-costs.aspx

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar—August 6–8, 2013 Webinar—August 27, 2013		arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
Air and Waste Management Association (AWMA): Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Northeast Diesel Collaborative (NEDC) SmartWay Transport Workshop and Partner Meeting	Groton, Connecticut	September 11–13, 2013	northeastdiesel.org/
San Francisco Clean Cities Coalition: Idling Gets You Nowhere!	San Francisco, California	September 24, 2013	sfccidlereduction.eventbrite.com/
SAE 2013 Heavy Duty Vehicles Symposium: Technologies for High Efficiency and Fuel Economy	Rosemont, Illinois	September 29–30, 2013	sae.org/events/hehdv/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	greenfleetconference.com/
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	sae.org/events/cve/
High-Efficiency Truck Users Forum (HTUF) National Meeting 2013	Chicago, Illinois	October 7–9, 2013	conferences.stagedrightevents.com/htuf/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
Transportation Research Board (TRB): Airport Emission Inventories and Reduction Strategies	Webinar	November 7, 2013	trb.org/ElectronicSessions/Blurbs/169267.aspx
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	hntea.com/greentrucksummit/about/
National Truck Equipment Association (NTEA) Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/

NEDC SmartWay Transport Workshop and Meeting

The Northeast Diesel Cooperative (NEDC) will host an outreach event for diesel technology users on September 11–13 in Groton, Connecticut. September 12 will offer a full day of panels on clean diesel and alternative fuel engines, equipment, best practices (including idling reduction), and funding for multiple transportation sectors. Allen Schaeffer, Executive Director of the Diesel Technology Forum, will give the luncheon keynote. On the morning of September 13, SmartWay partners and collaborators will participate in a half-day workshop. Several high-performing SmartWay partners will detail their fuel-efficient fleet and low-carbon supply-chain

programs. SmartWay Center staff will present program developments, including information about partner types, tools, data, technology, recognition, recruiting, and international involvement. Vendors will display a range of SmartWay-verified and related technologies and services.

For more information, please visit northeastdiesel.org/. Questions? Contact swaine.abby@epa.gov or rogan.john@epa.gov. Source: Abby Swaine, U.S. EPA New England

MANUFACTURERS' NEWS

Idle Smart Offer for OOIDA Members

Idle Smart (Leawood, Kansas) is extending an offer to members of the Owner-Operator Independent Drivers Association (OOIDA). OOIDA members who purchase Idle Smart's device will receive a \$200 Visa gift card, in addition to a pair of mud flaps. Additional OOIDA member discounts will be offered through some Idle Smart partners.

The Idle Smart device monitors interior and ambient temperatures and starts and stops a vehicle's engine to maintain the desired cabin temperature, while reducing overall fuel consumption. According to the manufacturer, the latest release of Idle Smart weighs less than 5 lb, can be installed in as little as 90 minutes, and requires no maintenance. It also includes a programmable timer to help vehicle operators comply with local idling laws.

For more information, please go to <http://idlesmart.com/index.html> and click the OOIDA offer link at the top of the page. Photo: Courtesy of Idle Smart.



Manufacturer-Manufacturer Partnerships Multiply

Manufacturers of idling reduction equipment are increasingly partnering with other manufacturers to get their products into users' hands—or, rather, vehicles. Most recently, Bergstrom has teamed with Vanner, and eNow has partnered with Mitsubishi Fuso Truck of America, Inc. (MFTA).

Bergstrom (Rockford, Illinois) and Vanner (Hilliard, Ohio) have entered into a partnership to cross-promote their products. Bergstrom provides battery-powered, no-idle climate-control systems. Vanner's IdleWatch II system offers idle-free power-management and shut-down solutions for on-board, plug-in devices. "Vanner's systems start where the NITE system stops," said Bergstrom's Bill Gordon, vice president, Aftermarket and NITE Sales.

According to Bergstrom, the NITE system is the only no-idle system on the market that can be powered from batteries, shore power, solar charger, or auto start-stop. Vanner's IdleWatch II complements the NITE system by continuously monitoring the battery state of charge. If the state of charge falls below a predetermined level, IdleWatch II automatically restarts the vehicle to recharge the battery (or notifies the driver to start the vehicle's engine or turn the equipment off). The technology also enables vehicle operators to use alternating current (AC) and direct current (DC) for tools and equipment when the vehicle's engine is not running. More information

is available at us.bergstrominc.com/news/2013/07/08/bergstrom-inc-and-vanner-team-up-to-cross-promote-products-to-no-idle-industry/.

eNow (Warwick, Rhode Island) has announced a new partnership with MFTA (Logan Township, New Jersey). To their dealers in the U.S. and Canada, MFTA will now offer eNow's basic solar-powered battery-charging system as an option on its Canter FE/FG Series of medium-duty commercial trucks.

eNow's proprietary solar-power system stores power in an on-board battery system. Power is then distributed to various truck/trailer functions as needed. The technology can be used to keep the main engine batteries charged while reducing load on the alternator, or to power auxiliary systems such as lights, lift gates, or refrigeration.

Last month, eNow announced a partnership with Bergstrom for the use of its solar-powered system to power Bergstrom HVAC systems for Class 8 trucks. eNow also recently reported that it received a \$1 million loan from Citizens Bank, with which it will be able to create 10 new full-time jobs, nearly doubling its workforce. For more information about the eNow-MFTA partnership, please see enowenergy.com/news/post/New-strategic-partnership-between-eNow-Inc.-and-Mitsubishi-Fuso-Truck-of-Am.

TRUCK STOP ELECTRIFICATION

All 50 STEP Sites Up and Running

Installation of all 50 locations of the U.S. Department of Energy (DOE) supported Shorepower Truck Electrification Project (STEP), funded through the American Recovery and Reinvestment and Act (ARRA), has been completed. The seven most recent locations opened include: Elkton,

Maryland (Flying J—24 connections and 5 for refrigeration units [reefers; 480-volt power]); Woodhaven, Michigan (Detroit Travel Center—24 connections for trucks and 6 for reefers); Champlain, New York (Champlain Truck Center—24 connections for trucks and 2 for reefers);

West Coxsackie, New York (21B Travel Plaza—24 connections for trucks and 6 for reefers); Dallas, Texas (Flying J—12 connections for trucks); Ruther Glen, Virginia (Flying J—24 connections for trucks and 5 for reefers); and George, Washington (George Truck Stop—12 connections for trucks).

Shorepower Technologies has 63 sites in 30 states with a total of 1,800 electrified parking spaces. In a press release issued by Shorepower, Alan Bates, the company's vice-president of marketing, said, "Our goal is to build and operate a total of 250 locations with 10,000 electrified parking spaces in the next five years."

Shorepower Technologies is currently offering a free night for newly registered users. The regular cost is \$1 per hour. Fleet managers and owner-operators can tell Shorepower where they would like to see wayside power installations by completing a brief poll at shorepowerconnect.com/. Photo: Courtesy of Shorepower Technologies



OTHER NEWS OF INTEREST

Telematics Helped UPS Reduce Idling Time by 206+ Million Minutes in 2012

UPS has released its 2012 sustainability report, which describes how the company's telematics platform contributed to route optimization. Route optimization helps reduce total miles driven, travel on congested streets, and time spent idling at stoplights. Feedback from UPS's telematics platform helped ground-fleet drivers reduce idling time from an average of

122 minutes/day in 2011 to 48 minutes/day in 2012. The 206+ million idling minutes offset in 2012 corresponds to a fuel savings of 250,000 gallons and an emissions reduction of 2,600 metric tons. For more information, please see responsibility.ups.com/Sustainability. Source: Joe Tario, NYSDERDA

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	<i>MISSOURI</i>	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>TENNESSEE</i>	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	<i>Ohio</i>	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	<i>NEW HAMPSHIRE</i>	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	<i>VIRGINIA</i>	
Delaware	<i>Iowa</i>	<i>MINNESOTA</i>	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmidadatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/funding.html; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/region8/air/rmcdc/; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- **Idle Smart** (idlesmart.com/calculator.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)

- Natural Resources Canada
(oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)

- Thermo King (thermoking.com/tripac/)
- Webasto
(techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners,

National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to afdc.energy.gov/afdc/locator/tse/.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$730,000 (as of June 28, 2013)	Rolling deadline until funds are awarded.	californiahvip.org/
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyourengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
U.S. Department of Energy (DOE)	Fuel Cell Hybrid Electric Medium Duty Trucks, Roof-Top Backup Power, and Advanced Hydrogen Refueling Components	\$9 million	July 11, 2013	eere-exchange.energy.gov/#Foald2cf4a534-a856-4316-ba8b-b0eed210a393
The Port of Los Angeles and the Port of Long Beach	Ocean-Going Vessel Technology To Reduce Main Engine Emissions at the Port of Long Beach and the Port of Los Angeles: Request for Information	Not applicable	July 19, 2013	cleanairactionplan.org/civica/filebank/blobdload.asp?BlobID=2564
U.S. EPA	Border Environmental/ Border 2020 U.S. – Mexico Environmental Program	\$1 million	July 31, 2013	epa.gov/border2020/request-proposals-2013
Wisconsin State Energy Office	Diesel Truck Idling Reduction Grant Program	\$1 million	August 9, 2013	Contact doadtip@Wisconsin.gov
Maryland Energy Administration	Maryland Idle Reduction Technology Grant Program	\$142,000	August 16, 2013	energy.maryland.gov/Transportation/idle/
California Energy Commission	Used Medium-Duty Electric Vehicle Repower Demonstration	\$1.7 million	August 21, 2013	energy.ca.gov/contracts/PON-13-602/00-Application%20Manual%20PON-13-602.pdf
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	September 1, 2013	epa.ohio.gov/oeef/schoolbus.aspx
Ohio EPA	Ohio Diesel Emissions Reduction Grant (DERG) Program	Indeterminate	September 1, 2013	epa.state.oh.us/oeef/derg.aspx
Government of Canada	Shore Power Technology for Ports Program	Can\$27.2 million	September 30, 2013	tc.gc.ca/eng/programs/environment-sptp-2681.htm

REGULATORY NEWS

New Hampshire Increases Weight Exemption, Florida's Weight Exemption Bill Dies

In New Hampshire, which adopted the 400-lb APU weight exemption only last year, Governor Maggie Hassan signed into law House Bill (HB) 196, which increases the allowed extra weight for APUs to 550 lb. The exemption is effective immediately. For details of the bill, please go to gencourt.state.nh.us/bill_status/Bill_status.aspx?lsr=607&sy=2013&sortoption=&txtsessionyear=2013&txtbillnumber=hb196. Missouri Senate Bill SB43,

which seeks to increase the weight exemption to 550 lb, still awaits Governor Jay Nixon's signature.

Florida's HB 7127, a comprehensive bill covering issues from passenger rail to increasing the APU weight exemption to 550 lb, died. For more information, please go to myfloridahouse.gov/Sections/Bills/billsdetail.aspx?BillId=50858.

IdleBase Updated

IdleBase, the U.S. DOE Clean Cities program's recently launched database of idling regulations, has been updated to reflect recent changes in law brought to our attention by readers of this newsletter. Updates include state and municipal regulations, as well as municipal fleet regulations. Each state has a "last checked/updated" field and includes contact information for the reporting of omissions or changes in law.

Organized by state, IdleBase provides the following information:

- Where the law (e.g., regulation, ordinance, or code) applies;
- Vehicle type(s) affected by the law;
- Description of the idling restriction;
- Exemptions to the idling restriction;
- Consequences of infractions (when known);

- Name or title of the law; and
- Hyperlink leading to the law or, in cases where a direct link is not possible, the website containing the law.

IdleBase is useful not just for drivers and fleet managers, but for policy-makers and others who would like to see how other governmental bodies seek to reduce unnecessary idling.

IdleBase (cleancities.energy.gov/idlebase) is provided as a reference tool for users' convenience. Because laws may change with little warning, users are strongly encouraged to crosscheck current laws. Those who note any inaccuracies or out-of-date content are asked to send a message to idlingreduction@anl.gov.

CARB Updates Guidance for TRUs, To Begin Audits

CARB has issued an updated regulatory guidance document, “Transport Refrigeration Units [TRUs]: Alternative Technology Compliance Strategies—Electric Standby and Hybrid Electric Systems.” In the coming months, the agency will perform audits of TRUs.

TRUs equipped with electric standby or hybrid-electric systems are considered to be in compliance with the TRU regulation’s standards if they are used in a way that qualifies them as an “alternative technology.” To be in compliance, TRUs must be plugged in (for electric power) when parked at any nonretail delivery or pick-up location while loaded with perishable

goods and during initial chill-down. At retail delivery points, TRU engine operation must not exceed 30 minutes. If engine operating time will exceed 30 minutes at these locations, the TRU must be plugged in. Compliance also requires automated recordkeeping and reporting, which is being phased in now.

CARB explains the updated regulatory guidance requirements, the phase-in schedule, and specifications for businesses interested in providing electronic tracking systems with automated recordkeeping and reporting at arb.ca.gov/diesel/tru/documents/guidance_electricstandby_ets.pdf.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Buckeye Central Local School District (Crawford County, Ohio)	Ohio EPA	Installation of emission reduction equipment on 4 school buses and anti-idling equipment on 5 school buses	\$17,558
Huber Heights City Schools (Montgomery County, Ohio)	Ohio EPA	Installation of emission controls on 6 school buses and anti-idling equipment on 40 school buses	\$98,152
Greater Baton Rouge Clean Cities Coalition	Louisiana Department of Environmental Quality	Installation of a truck-stop electrification (TSE) project in West Baton Rouge, Louisiana, with project partner IdleAir	\$200,633
Idle-Free VT	Vermont Department of Health	Support for “Idle-Free for Fleet\$,” an outreach project to educate fleet vehicle operators about idling reduction	\$5,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	Black Carbon and the Regional Climate of California	arb.ca.gov/research/apr/past/08-323.pdf
CARB	Improving Mobile Source Planning Tools	arb.ca.gov/msei/emfac_june_workshop_06_05_2013_final.pdf

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SOURCE	TITLE	WEBSITE OR CONTACT
Community Television Network, Ann Arbor, Michigan	The Truths on Idling [video]	a2cititv.pegcentral.com/player.php?video=ec48202905d93fe9db6ca0328eb67e29
Green Truck Association	Growing Interest in Electrification Systems: A Whitepaper for Work Truck Industry Professionals	greentruckassociation.com/ElectrificationSystemsAWhitepaper/tabid/171/Default.aspx?utm_source=GTA+Insider_June+19%2C+2013&utm_campaign=GTA+Insider_061913&utm_medium=email (requires GTA membership)
Navigant Research	Electric Vehicle Market Forecasts	Summary and ordering information available at navigantresearch.com/research/electric-vehicle-market-forecasts
American Public Media	Shut Off Your Engines Please: One Man's Mission [interview with George Pakenham]	thestory.org/stories/2013-06/shut-your-engines-please-one-man-s-mission
National Truck Equipment Association (NTEA)	Reducing Fuel Costs the Old Fashioned Way	ntea.com/content.aspx?id=29302&utm_source=Fleet+Affiliation_June+2013+Editi on&utm_campaign=Fleet+Affiliation_061413&utm_medium=email
Washtenaw County, Michigan	Unnecessary Engine Idling [video tutorial]	secure2.ewashtenaw.org/hosting/Professional_Development/Unnecessary_Engine_Idling/player.html
Transportation Research Board (TRB)	Integrating Environmental Sustainability into Airport Contracts	trb.org/main/blurbs/169023.aspx

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	July 16, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
Wisconsin Clean Cities and the Wisconsin State Energy Office Alternative Fuel and Advanced Technology School Bus Workshop	Green Bay, Wisconsin	July 16, 2013	Contact EmilyDeVillers@WiCleanCities.org
AWMA: Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Society of Automotive Engineers (SAE) 2013 Heavy Duty Vehicles Symposium: Technologies for High Efficiency and Fuel Economy	Rosemont, Illinois	September 29–30, 2013	sae.org/events/hehdv/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	greenfleetconference.com/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	sae.org/events/cve/
High-Efficiency Truck Users Forum (HTUF) National Meeting 2013	Chicago, Illinois	October 7–9, 2013	conferences.stagedrightevents.com/htuf/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/

MANUFACTURERS' NEWS

Bergstrom and eNow Partner for Solar-Powered Idling Reduction

Bergstrom (Rockford, Illinois), manufacturer of cab-climate systems for heavy-duty commercial trucks and other vehicles, announced that it has entered a partnership with Warwick, Rhode Island–based eNow. eNow designs, develops, and manufactures solar-based auxiliary power systems for medium- and heavy-duty trucks, commercial buses, school buses, and military vehicles. Bergstrom and eNow will market their CARB-approved, complementary idling reduction products in North America and Europe.

According to a Bergstrom press release, eNow's proprietary solar panels generate power that is then stored in an on-board battery system and

distributed to various truck/trailer functions, such as Bergstrom's battery-powered NITE no-idle system, as needed. eNow's solar charging systems range from 30 W (a level to keep batteries charged) to 6,400-W systems for refrigeration applications.

To learn more about eNow, please visit enowenergy.com. More information about the partnership is available at us.bergstrominc.com/news/2013/06/17/bergstrom-inc-enters-strategic-partnership-with-enow-a-solar-energy-solutions-company-for-the-transportation-industry/.

Idle Free Systems Announces 2012 Sales Success

Idle Free Systems (Madison, Wisconsin), manufacturer of electric idle elimination devices for sleeper trucks, refrigerated trucks, and school buses, announced that, in 2012, it achieved a 250% year-over-year growth in sales of its Idle Free electric APU. The company's APUs provide air conditioning, heat, and 120-V electricity for computers, televisions, and other hotel needs.

According to Idle Free Systems, its APUs may be powered by a battery-based system (energy produced by the engine's alternator is captured and stored in an absorbed glass mat [AGM] battery bank), shore power, or its patented technology, Reefer Link™, which makes energy from the refrigerated unit available to power a truck operator's HVAC and hotel needs. For more information, please see idlefreesystems.com.

OTHER NEWS OF INTEREST

New Web-Based Information Tools Available

The newly launched Advanced Energy Legislation Tracker (aeltracker.org/) enables users to access energy-related legislation for all 50 states. Legislation is organized into 10 categories, including regulatory, transportation, and emissions. This legislative tracking tool, which is free to users, is a good complement to the Alternative Fuels Data Center (AFDC) Federal & State Laws & Incentives database (afdc.energy.gov/laws/). While the AFDC's database provides summaries of existing regulations, laws, and

incentives, the Advanced Energy Legislation Tracker covers legislation currently under consideration.

Another recently launched online tool is the Clean Diesel Clearinghouse (CDHC), which helps users identify the best available technology (BAT), including verified products, for the retrofit of diesel vehicles and equipment. For more information, please go to cleandieselfclearinghouse.org/.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The AFDC of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

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Arizona	Georgia	Louisiana	Montana	North Dakota	TENNESSEE	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	NEW HAMPSHIRE	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	VIRGINIA	
Delaware	Iowa	MINNESOTA	New Mexico	<i>Rhode Island</i>	Washington	
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- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/fuel-consumption-calculator/)
- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)

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- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Thermo King (thermoking.com/tripac/)
- Webasto (techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

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Editor

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National Idling Reduction Network News

May 2013

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$3.1 million (as of May 30, 2013)	Rolling deadline until funds are awarded.	californiahvip.org/
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	turnyouengineoff.org/campaign_recognition.html
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
The Port of Los Angeles and the Port of Long Beach	Ocean-Going Vessel Technology to Reduce Main Engine Emissions at the Port of Long Beach and the Port of Los Angeles: Request for Information	Not applicable	July 19, 2013	cleanairactionplan.org/civica/filebank/blobdload.asp?BlobID=2564
U.S. EPA	National Clean Diesel Funding Assistance Program, FY 2013 Request for Proposals	~\$9 million	June 25, 2013	epa.gov/cleandiesel/prgnational.htm
Maryland Energy Administration	Maryland Idle Reduction Technology Grant Program	\$142,000	August 16, 2013	energy.maryland.gov/Transportation/idle/
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	September 1, 2013	epa.ohio.gov/oeef/schoolbus.aspx
Ohio EPA	Ohio Diesel Emissions Reduction Grant (DERG) Program	Indeterminate	September 1, 2013	epa.state.oh.us/oeef/derg.aspx
Government of Canada	Shore Power Technology for Ports Program	Can\$27.2 million	September 30, 2013	tc.gc.ca/eng/programs/environment-sptp-2681.htm

REGULATORY NEWS

Vermont Passes Idling Law

It took about a decade, but Vermont will join its New England neighbors in a state-level idling restriction. On May 30, Vermont Governor Peter Shumlin signed into law Senate Bill (S) 150, a bill that includes a provision to restrict motor-vehicle idling to 5 minutes in a 60-minute period. All vehicles—not just heavy-duty trucks—will be subject to the law. The restriction will take effect on May 1, 2014.

The measure includes many exemptions, including emergency vehicles, armored vehicles, and truck driver rest-period idling. There is also an exemption for motor vehicles weighing less than 10,000 lb in private driveways or parking areas. The penalty for a first offense will be no more

than \$10; for a second offense, no more than \$50; and for a third or subsequent violation, no more than \$100.

An additional provision requires that all driver education courses include information about the effects of unnecessary idling and the law restricting it. This section takes effect on July 1, 2013.

Please see idlefreevt.org/legislation.html for more information. *Sources:* Wayne Michaud, Idle-Free VT, and Rebecca Ryan, American Lung Association of the Northeast

550-Pound APU Exemption Advances in Multiple States

State lawmakers have been busy seeking to increase the allowed weight for APUs on heavy-duty trucks from 400 lb to 550 lb, as permitted by Moving Ahead for Progress in the 21st Century (MAP-21). In March, based on the passage of House Bill (HB) 1985, Virginia amended its code to allow the increased weight (see lis.virginia.gov/cgi-bin/legp604.exe?131+ful+CHAP0118). In Minnesota, legislators passed, and Governor Mark Dayton approved, Senate File (SF) 1270, an omnibus transportation policy bill, one section of which allows the increased weight. The allowance is effective immediately (revisor.mn.gov/bills/bill.php?b=Senate&f=SF1270&ssn=0&y=2013). Tennessee

increased the weight exemption earlier this year, but the provision does not take effect until July 1.

Legislators in Missouri and New Hampshire have passed bills supporting the APU weight increase, but these bills have not yet been signed into law. To follow the status of Missouri's Senate Bill (SB) 43, please see senate.mo.gov/13info/pdf-bill/tat/SB43.pdf. Information about New Hampshire's HB196 is available at openstates.org/nh/bills/2013/HB196/.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
California Energy Commission	2013–2014 Investment Plan for the Alternative and Renewable Fuel and Vehicle Technology Program	energy.ca.gov/2012-ALT-2/
Long Beach Board of Harbor Commissioners	Shore Power Summit [presentation]	longbeach.granicus.com/MediaPlayer.php?view_id=18&clip_id=6470
Oak Ridge National Laboratory	ORNL Operations Best Practices Guide: Idle Reduction	bnl.gov/earthday/docs/ORNL-Idle-Reduction-Guide.pdf

UPCOMING MEETINGS AND EVENTS

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MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Workshop on the Development of Improved Mobile Source Planning Tools for Air Quality Assessment	Sacramento, California (also webcast)	June 5, 2013	arb.ca.gov/msei/public-workshop-june-5-2013-sacto.pdf
Implementing Best Business Practices: Solutions to the Top Ten Challenges Facing Fleet Managers in 2013	Milwaukee, Wisconsin	June 7, 2013	the100bestfleets.com/s_milwaukee.htm
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	governmentfleetexpo.com/
Northeast Diesel Collaborative Webinar—Funding Opportunities	Webinar	June 11, 2013	northeastdiesel.org/index.html
CARB Course 520: How To Comply with CARB Diesel Regulations	Diamond Bar, California—June 14, 2013 Greenville, California—June 20, 2013 San Jose, California—June 25, 2013 San Leandro, California—June 26, 2013		arb.ca.gov/training/courses.php?course=520
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	actexpo.com/index.html
Air & Waste Management Association (AWMA) Annual Conference—Toward Sustainability	Chicago, Illinois	June 25–28, 2013	ace2013.awma.org/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
AWMA: Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	greenfleetconference.com/
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	sae.org/events/cve/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
2014 Transportation Research Board (TRB) 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/Main/Blurbs/168453.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/

MANUFACTURERS' NEWS

Thermo King Launches TriPac Evolution

Thermo King is launching its newest APU, the EPA Tier IV–compliant TriPac Evolution. The APU includes a 13,000-BTU A/C system, a 7,500-BTU fuel-powered heater, and a 65-amp alternator. It monitors and maintains battery voltage and engine coolant temperatures for reliable tractor-engine starts.

With a three-knob controller and software that allows user customization (the control system is flash loadable), the TriPac Evolution is 50 lb lighter than its TriPac predecessor and has an extended (1,500-hour) service interval. More information is available at na.thermoking.com/tk-innovation/global/en/products/apu.html.

ELECTRIFIED PARKING SPACES

IdleAir Adopts New Pricing Plan, Opens New Location

IdleAir has announced a new pricing plan that will take effect on June 3 and remain in place through the remainder of 2013. The company's premium service will cost \$2.19/hour, up from \$2.09/hour, for the first 10 hours. After 10 hours of continuous service, the extended stay discount automatically reduces the hourly cost to \$1.69. The cost of ConvoyTV+Power, introduced in January and available at select locations,

remains at \$1.49/hour. At IdleAir's Ripon, California, location, site prices will be slightly higher because of increased utility costs.

In other news, IdleAir has opened a new location in Dallas, Texas (Flying J on I-20). With the addition of this site, IdleAir now operates 33 sites in 12 states. The company is also expanding dedicated terminal solutions for fleet customers, who receive discounted pricing and customized services and

support. The newest such facility is being constructed at a customer terminal in Mesquite, Texas.

For more information, please go to idleair.com/news/new-prices-frozen-through-2013/ and idleair.com/news/idleair-expands-dedicated-terminal-solutions/.

PORTS

Port of Long Beach Completing \$100 Million Dockside-Power Projects

In recent years, shore power—which allows vessels at berth to plug in for electricity rather than run their diesel engines for power—has gained traction as a way to reduce emissions at major ports. According to the Port of Long Beach (POLB), which is completing a \$100 million dockside power project, shore power reduces air pollution from ships at berth by 95%. POLB currently has shore power at four berths on three piers; 12 more berths at five piers are under construction.

While Southern California Edison is installing a new transmission system to meet the increased power demand, POLB vessel operators are retrofitting

existing ships and building new ships. California law requires that, by January 1, 2014, vessel operators plug in half of all cargo, cruise, and refrigerated vessels and reduce emissions by one half.

At an early-May shore-power summit at POLB, officials stated that emissions reductions associated with plugging in a container ship for a single day are the equivalent of taking 33,000 cars off the roads. The link polb.com/civica/filebank/blobdload.asp?BlobID=11149 contains the summit presentation. To see a video about shore power at POLB, please go to polb.com/about/pulse.asp.

Delta Airlines Electrifies Ground-Support Equipment in Atlanta

Delta Airlines and Atlanta's Center for Transportation and the Environment (CTE) recently completed a project to repower 35 pieces of diesel ground-support equipment (GSE). The newly electrified GSE units—24 belt loaders and 11 container loaders—operate at Hartsfield-Jackson Airport's International Terminal F, where each of the 12 gates is equipped with electric chargers.

According to the U.S. EPA, over the lifetime of the equipment, the project will enable Delta Airlines to reduce diesel fuel consumption by 1+ million gallons, preventing the emission of an estimated 18.5 tons of particulate matter (PM), 95.8 tons of carbon monoxide (CO), and 11,503 tons of carbon dioxide (CO₂).

CTE will collect and analyze data for the repowered GSE, including electricity consumed, in its first year of service. Comparison of the pre- and post-conversion data will enable an analysis of the costs and emissions associated with electric loaders compared to their diesel counterparts.

This repower project, completed in cooperation with U.S. EPA Region 4 and in partnership with Clean Cities Atlanta, was funded through a \$1.4 million grant from the U.S. EPA under the National Clean Diesel Funding Assistance Program. For more information, please see yosemite.epa.gov/opa/admpress.nsf/6427a6b7538955c585257359003f0230/21f99561a6f924c785257b67004ddf7c!OpenDocument and cleancitiesatlanta.net/grants-a-projects/delta.

RAILROADS

Seattle-Tacoma: Wayside Power for Trains on Layover

Serving the Seattle and Tacoma areas, Sound Transit has teamed up with the Washington State Department of Ecology (DEC) to install six wayside power units (WPU) at its commuter-rail layover facility in Lakewood, Washington. The WPUs, which will become operational in June, provide grid electricity for stationary locomotives' power needs.

Through the state's clean diesel grant program, DEC provided \$400,000, covering the cost of two WPUs. Sound Transit covered the cost of the four remaining WPUs.

According to the state DEC's Frank van Haren, each wayside power unit is expected to eliminate about 2,563 hours of locomotive idling per year, based on a similar project conducted in Tacoma. Annually, the six WPUs will eliminate nearly half a ton of diesel PM and more than 1,500 tons of CO₂.

To learn more about emission-control technologies for stationary locomotives, please see epa.gov/otaq/regs/nonroad/locomotv/420f08014.pdf.

Source: Frank van Haren, Washington State Department of Ecology. (Photos: Courtesy of Sound Transit)



OTHER NEWS OF INTEREST

Cascade Sierra Solutions Opens New Outreach Center in Dallas

On May 30, North Central Texas Council of Governments (NCTCOG) and Cascade Sierra Solutions (CSS) held a grand opening for a freight efficiency outreach center in the southern part of Dallas, Texas. While CSS has a number of such centers along the West Coast I-5 freight corridor, this center is the first in its region.

CSS freight efficiency outreach centers are designed to provide programs and technical assistance to help the trucking industry maximize efficiency, saving money and reducing emissions for healthier air. The new center, which includes a product showroom, is funded through a \$486,767 U.S. EPA

grant and about a quarter of a million dollars from CSS. According to NCTCOG, CSS's partner in the project, 10 counties in the Dallas–Fort Worth area are in nonattainment for ozone and have until 2018 to meet the U.S. EPA standard.

For more information, please go to

truckinginfo.com/news/story/2013/05/new-partnership-formed-to-help-trucks-operate-more-efficiently.aspx and epa.gov/statelocalclimate/local/showcase/nctexas.html.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at

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<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire*	Oregon	Vermont	
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- Espar (espar.com/html/service/calculator/calculator.html)
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National Idling Reduction Network News

April 2013

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	www.adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	www.arb.ca.gov/ba/loan/on-road/documents/hdvlcprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$7.6 million (as of April 30, 2013)	Rolling deadline until funds are awarded.	www.californiahvip.org/
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	www.pca.state.mn.us/index.php/to-pics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	www.turnyouengineoff.org/campaign_recognition.html
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	www.portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
U.S. Department of Transportation (DOT)	Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grant Program	\$474 million	June 3, 2013	www.dot.gov/TIGER
Maryland Energy Administration	Maryland Idle Reduction Technology Grant Program	\$142,000	August 16, 2013	energy.maryland.gov/Transportation/idle/
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	September 1, 2013	www.epa.ohio.gov/oeef/schoolbus.aspx
Ohio EPA	Ohio Diesel Emissions Reduction Grant (DERG) Program	Indeterminate	September 1, 2013	www.epa.state.oh.us/oeef/derg.aspx
Government of Canada	Shore Power Technology for Ports Program	Can\$27.2 million	September 30, 2013	www.tc.gc.ca/eng/programs/environment-sptp-2681.htm

REGULATORY NEWS

Florida Next in Line for APU Weight Exemption Increase

Florida is the most-recent state to seek an increase to the weight allowance for heavy-duty, long-haul trucks equipped with idling reduction devices, allowed in the Moving Ahead for Progress in the 21st Century Bill (MAP-21). House Bill (HB) 7127, a comprehensive bill covering issues ranging from passenger rail to aerospace facilities, would increase the maximum weight limit for APUs on heavy-duty trucks from 400 to 550 lb.

The House has passed the bill, which is now in the Senate. If passed as written, the act would take effect on July 1, 2013. Please see www.myfloridahouse.gov/Sections/Bills/billsdetail.aspx?BillId=50858 for more information.

New Hampshire Seeks To Limit Commuter Locomotive Idling

Lawmakers in New Hampshire are considering a bill to limit the idling of diesel commuter rail locomotives. House Bill (HB) 508 stipulates that “no person shall cause or permit the unnecessary and foreseeable idling of a commuter rail diesel locomotive for a continuous period of time longer than 30 minutes.” According to local news source *The Eagle-Tribune*, the bill was proposed to prepare for the possibility that the Massachusetts Bay Transit Authority (MBTA) will extend its line and create a layover station in Plaistow, New Hampshire. Layover stations accommodate commuter trains not in service, such as during overnight hours. Locomotives not in service are often idled for nonmotive power needs, such as temperature control.

Passed by the House, HB508 is currently in the Senate Transportation Committee. If passed as written, the law would take effect on July 1, 2014. Fines for first offenses would not exceed \$500, and fines for subsequent offenses would not exceed \$2,000. The bill includes some exemptions, such as locomotives being serviced, if idling is necessary during such service.

The link www.gencourt.state.nh.us/legislation/2013/HB0508.html contains the text of the bill. To follow the bill’s status, please go to www.gencourt.state.nh.us/bill_status/bill_status.aspx?lsr=220&sy=2013&sortoption=&txtsessionyear=2013&txttitle=idling.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
California Energy Commission	AB118 Pre-Solicitation Workshop for Centers for Alternative Fuels and Advanced Vehicle Technology [workshop presentation]	www.energy.ca.gov/altfuels/notices/2013-04-03_workshop/AB118-Centers_Pre-Solicitation_Workshop_Presentation_2013-04-03.pdf
Caltrans	Caltrans Activities To Address Climate Change: Reducing Greenhouse Gas Emissions and Adapting to Impacts	www.dot.ca.gov/hq/tpp/offices/orip/climate_change/document_s/Caltrans_ClimateChangeRprt-Final_April_2013.pdf
Cascade Sierra Solutions and C.H. Robinson	Are You California-Compliant?	youtube.com/watch?v=Pr7AM0igQgc&feature=youtu.be&utm_source=CSS+clients+ARE+YOU+CALIFORNIA-COMPLIANT%3F+WEBINAR&utm_campaign=CH+Robinson+followup+2&utm_medium=email
DieselProgress	Nickel Supercapacitors as Part of an Idle-Reduction Strategy	http://www.dpna-digital.com/dpna/201302?sub_id=ChgTFLb8We5Lf#pg31
nyfoxny.com	Shame: Idling Buses [video on idling buses in Brooklyn]	http://www.myfoxny.com/video?clipId=8812847&autostart=true
U.S. EPA	Second Report to Congress: Highlights of the Diesel Emissions Reduction Program	www.epa.gov/cleandiesel/documents/420r12031.pdf
U.S. EPA	DERA [Diesel Emissions Reduction Act] Program’s Tribal Opportunities	www.epa.gov/cleandiesel/documents/fy13-rfp-tribal-preopen-webinar.pdf

SOURCE	TITLE	WEBSITE OR CONTACT
U.S. EPA	Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2011	http://www.epa.gov/climatechange/ghgemissions/usinventoryreport.html
Metropolitan Washington Council of Governments (MWCOG)	Diesel Idle Reduction Driver Recognition Program Recap	www.turnyouengineoff.org/Download/2012_drp_recap_web.pdf
Navigant Research	Electric Vehicle Drive Motors—Electric Traction Motors for Hybrid, Plug-In Hybrid, and Battery Electric Light Duty Vehicles: Market Analysis and Forecasts	http://www.navigantresearch.com/research/electric-vehicle-drive-motors
San Diego County Air Pollution Control District	Cleaner Air Thanks to Shore Power [video]	www.countynewscenter.com/video?v=144605

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Port of Long Beach Shore Power Summit	Long Beach, California (also live webcast)	May 6, 2013	www.polb.com/news/displaynews.asp?NewsID=1150&TargetID=1 or www.polb.com/shorepowersummit
U.S. EPA DERA Tribal Competition Webinar: Review of FY 2013 DERA Request for Proposals (RFP) and Question and Answer Session	Webinar	May 7, 2013 (repeated May 9, 2013)	www.epa.gov/cleandiesel/prgtribal.htm#webinar
Northern Indiana Clean Diesel Road Show	Fort Wayne, Indiana	May 8, 2013	www.southshorecleancities.org/events.php
U.S. EPA DERA National Competition Webinars	Webinar	May 13, 2013 (repeated May 14, 2013)	www.epa.gov/cleandiesel/prgnational.htm#webinar
2013 U.S. Department of Energy (DOE) Hydrogen and Fuel Cells Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation	Arlington, Virginia	May 13–17, 2013	www.annualmeritreview.energy.gov/
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	May 14, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
High-Efficiency Truck Users Forum (HTUF), Southeast Regional Fleet Workshop	Birmingham, Alabama	May 22, 2013	conferences.stagedrightevents.com/htuf/?page_id=13
Clean Diesel Dividends (educational session with tour of Vanner, Inc., production facilities)	Hilliard, Ohio	May 23, 2013	www.vanner.com/clean-diesel-dividends-may-23-2013/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	www.actexpo.com/index.html
Air & Waste Management Association (AWMA) Annual Conference—Toward Sustainability	Chicago, Illinois	June 25–28, 2013	ace2013.awma.org/
AWMA: Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	www.greenfleetconference.com/
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	www.sae.org/events/cve/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
2014 Transportation Research Board (TRB) 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	www.trb.org/Main/Blurbs/168453.aspx

MANUFACTURERS' NEWS

Kenworth and Peterbilt Launch Factory-Installed Idling Reduction Systems

Kenworth Truck Company (Kirkland, Washington) has announced a new factory-installed, engine-off heating and cooling system for its long-haul, Class 8 T680. The Kenworth Idle Management System is a battery-powered APU system integrated with the T680's ducting system that provides air conditioning. An optional fuel-fired heater is also available.

The Kenworth Idle Management System has on-board controls in the sleeper cabin and includes a safeguard to ensure that sufficient power is available to restart the truck. According to a company press release, the system has a small, under-bunk footprint. For more information, please go

to www.kenworth.com/news/news-releases/2013/march/integrated-idle-management.aspx.

Peterbilt Motors Company (Denton, Texas) has introduced the SmartAir system, which provides battery-based cooling for truck drivers during rest periods. The factory-installed SmartAir system has a 7,500 BTU/hour cooling capacity and can operate for up to 10 hours on a single charge. The system, which also has a small footprint, is available on Peterbilt models 384, 386, 388, 389, 587, and 579. More information about Peterbilt's SmartAir system is available at www.peterbilt.com/about/media/2013/360/.

ELECTRIFIED PARKING SPACES

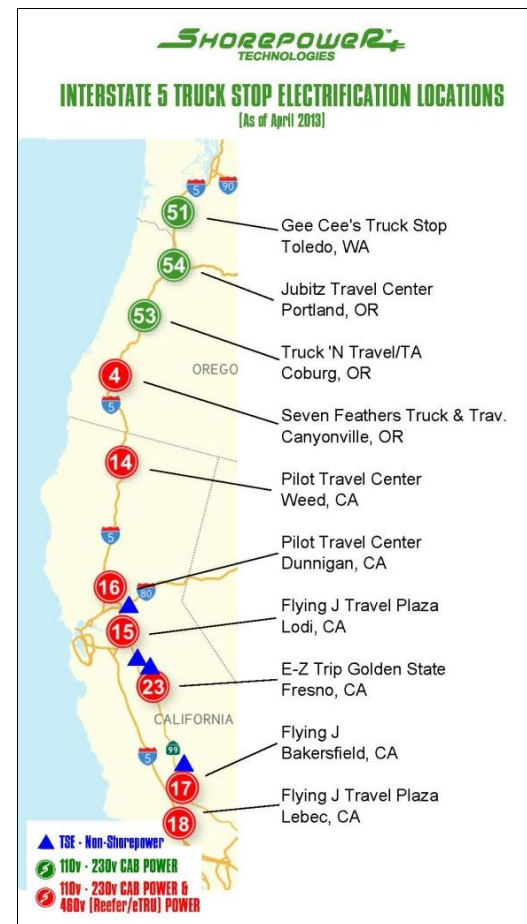
STEP: Electrification Complete for West Coast's I-5 Corridor

The installation of Shorepower pedestals at the Pilot Flying J Travel Plaza in Frazier Park/Lebec, California, marks the completion of the Shorepower Truck Electrification Project's (STEP) first fully electrified freight-movement corridor. Truck drivers on Interstate-5, which runs more than 1,300 miles, from Seattle to San Diego, now have reliable access to electrified, idle-free parking spaces along the entire route. (California's State Route 99, which parallels I-5 in California's Central Valley, was included as part of this corridor because truckers often use it to avoid to avoid I-5 congestion.)

Shorepower pedestals provide truck drivers access to 120-volt (V), 208-V, or 240-V power to operate heating, cooling, and other auxiliaries as an alternative to engine idling. The cost is \$1 per hour. Seven of the 10 I-5 Shorepower locations also provide 480-V connections for hybrid refrigerated trailers (also called electric transport refrigeration units, or eTRUs).

"Taking advantage of the growing network of electric plug-in power pedestals is one good way truck fleets and operators can pocket more of their profits instead of burning them with idling truck engines," said Alan Bates, vice president of marketing for Shorepower Technologies.

STEP is a U.S. DOE project funded by the American Recovery and Reinvestment Act (ARRA) of 2009. For more information, please see www.truckpr.com/shorepower-technologies/2013/4/15/shorepower-pedestal-installation-in-lebec-calif-powers-up-an.html. (Map courtesy of Shorepower Technologies. Adapted with permission.)



OTHER NEWS OF INTEREST

White House Budget: 70% Reduction for DERA in FY2014

The White House's proposed budget for fiscal year (FY) 2014 allocates \$6 million—a 70% reduction from FY2013 funding levels—for EPA's Diesel Emissions Reduction Act (DERA) program. At its height, DERA funding for diesel emissions projects, including those related to idling reduction, was authorized at \$200 million annually.

DERA, created through the Energy Policy Act of 2005, was designed to improve air quality and public health. DERA has funded retrofits (including idling reduction technology), repowers, replacements, and other projects through a variety of programs. National competitive grant programs have included the EPA's National Funding Assistance Program, the SmartWay Clean Diesel Finance Program, and the Emerging Technologies Program. The State Grant Allocation Program has enabled states to fund emissions-

reduction projects of their choice. In January 2011, President Obama signed DERA's 5-year reauthorization, which allows up to \$100 million in annual appropriations.

In its recently released *Second Report to Congress: Highlights of the Diesel Emissions Reduction Program* (www.epa.gov/cleandiesel/documents/420r12031.pdf), the EPA states that DERA's 2008–2010 idling reduction projects alone have saved 205+ million gallons of fuel.

For more information about DERA and other White House–proposed transportation-budget funding for FY2014, please see fleetowner.com/fleet-management/transportation-offers-mixed-reaction-obama-budget.

Clean Cities National Parks Initiative Puts Idling Reduction To Work

The Clean Cities National Parks Initiative (CCNPI), a partnership of DOE's Clean Cities initiative and the National Park Service (NPS), supports National Park Service transportation projects that promote the use of renewable, domestic energy sources and lead to improved air quality. Launched in the spring of 2011, 13 parks have joined the effort so far.

According to the Energy Department, the current CCNPI projects will save the equivalent of nearly 10,000 gallons of gasoline and 71 tons of greenhouse gas emissions annually. While most of the projects focus on the use of alternative fuels, such as electricity, for park vehicles, some park projects incorporate idling reduction, including:

- **Yellowstone, Wyoming/Montana/Idaho, and Grand Teton, Wyoming:** Launch of a campaign to educate staff, concessioners, and visitors on the benefits of idling reduction.
- **National Mall and Memorial Parks, Washington, D.C.:** Installation of idling reduction technology on 20 fleet vehicles.
- **Rocky Mountain National Park, Colorado:** Installation of idling reduction technology on 9 fleet vehicles and idling reduction outreach and education.
- **Sleeping Bear Dunes National Lakeshore, Michigan:** Launch of a program to educate staff, concessioners, and visitors on the benefits of idling reduction and other fuel-saving driving habits.

According to Clean Cities, if just 25% percent of visitors at the 13 participating parks in the CCNPI reduced their idling by 5 minutes during their trip, it would save 192,000 gallons of fuel, and reduce greenhouse gas emissions by more than 2,000 tons.

For more information about the CCNPI and the participating parks, please go to energy.gov/articles/national-parks-move-transportation-forward-america-s-great-outdoors and www1.eere.energy.gov/cleancities/national_parks.html.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

www.afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at www.epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the Auxiliary Power Unit Weight Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida*	<i>Kentucky</i>	Missouri*	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>Tennessee**</i>	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire*	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	
<p>Legend: Allows a 400-lb exemption by law; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i> * = Legislation in process to increase the weight exemption to 550 lb. ** = A 550-lb exemption will take effect on July 1, 2013.</p>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase, (cleancities.energy.gov/IdleBase), which will be updated quarterly, contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research

Institute (ATRI) is an excellent resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at www.afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative (Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest

Clean Diesel Initiative (Region 5), www.epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcddc/; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

- Argonne National Laboratory (www.transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (www.afdc.energy.gov/afdc/prep/)
- **Dynasys** (www.dynasysapu.com/savings-calculator)
- Energy Xtreme (www.energyxtreme.net/idle-reduction/calculator-quote)
- Espar (www.espar.com/html/service/calculator/calculator.html)
- Hotstart (www.hotstart.com/fuel-consumption-calculator/)
- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Kohler Power Systems (www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (www.odysseybattery.com/fleet.html)
- Thermo King (www.thermoking.com/tripac/)
- Webasto (www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 33 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at www.afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay

Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to www.afdc.energy.gov/afdc/locator/tse/.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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San Diego County Air Pollution Control District (SDAPCD)	Carl Moyer Program	\$1.4 million	First come, first served	www.sdapcd.org/homepage/grants/grants.html
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	www.adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	www.arb.ca.gov/ba/loan/on-road/documents/hdvlcprogram.pdf
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Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html

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Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	www.portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
Alabama Department of Environmental Management	Diesel Emissions Reduction Grant Program	Unknown	April 15, 2013	Call Anthony Smiley, (334) 271-7803
U.S. Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy (EERE)	Fiscal Year 2013 Vehicles Technologies Program-Wide Funding Opportunity	~\$56 million	April 29, 2013	eere-exchange.energy.gov/#Foaldce3230af-f911-45d8-93b5-814150d1b7fd
Maryland Energy Administration	Maryland Idle Reduction Technology Grant Program	\$142,000	August 16, 2013	energy.maryland.gov/Transportation/idle/
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	September 1, 2013	www.epa.ohio.gov/oeef/schoolbus.aspx

REGULATORY NEWS

CARB Proposes Expanding Idling Law Compliance Responsibility

On March 11, CARB held a public workshop on a number of proposed amendments related to on-road, heavy-duty vehicles. Among the amendments were those to improve the efficacy of the state's idling law. CARB proposes expanding idling-law compliance responsibility to include the vehicle owner in addition to the vehicle operator. It also proposes prohibiting California-based shippers, brokers, and facilities from using the services of vehicle owners who have outstanding citations. (CARB would notify them of the vehicle owners' outstanding citations.) Another

amendment would add schools, hotels, and motels to the definition of "Restricted Area," a category that currently covers only residential areas.

California's Air Toxic Control Measure (ATCM) To Limit Diesel-Fueled Commercial Motor Vehicle Idling, which took effect in 2005, limits the idling of diesel-fueled, 10,000+ pound trucks to 5 minutes. Violations result in a minimum penalty of \$300. CARB is scheduled to consider the proposed amendments in October 2013.

To see a presentation associated with the March 11 meeting, please go to www.arb.ca.gov/msprog/truck-idling/idling_posted.pdf. The text of the

current regulation is available at www.arb.ca.gov/regact/idling/fro1.pdf.

Legislative Push To Constrain Idling Trains in Maine

In Maine, lawmakers are considering legislation that would limit the idling of diesel-powered locomotives. Legislative Document (LD) 28, “An Act To Reduce Air Pollution from Trains,” specifies that a locomotive owner or operator “may not cause or allow the foreseeably unnecessary idling” of a locomotive “for a continuous period longer than 30 minutes.” With a focus on preserving air quality, LD 28 also directs the state’s Department of Environmental Protection to submit to the U.S. EPA a revised State Implementation Plan (SIP) incorporating these provisions. SIPs identify how states will attain and/or maintain National Ambient Air Quality Standards (NAAQS). Provisions of U.S. EPA-approved SIPs are federally enforceable.

Attempts to restrict locomotive idling in the U.S. have met with little success; they have been found to interfere with interstate commerce as

expressed in the federal Interstate Commerce Commission Termination Act of 1995 (ICCTA). In a significant 2010 ruling, a federal appeals court ruled against California’s South Coast Air Quality Management District (SCAQMD), which had sought to limit emissions from idling trains through regulation. The ruling stated that the ICCTA “preempts all state laws that may reasonably be said to have the effect of managing or governing rail transportation.”

Maine’s LD 28 is currently in the Committee on Environment and Natural Resources. To read the text of the bill, please go to www.mainelegislature.org/legis/bills/getPDF.asp?paper=SP0017&item=1&snum=126. To follow the status of the bill, see www.mainelegislature.org/LawMakerWeb/summary.asp?ID=280046297.

Tennessee Passes 550-Pound Weight Exemption; New Hampshire and Missouri Advance

Tennessee, one of just a handful of states that does not permit the 400-lb APU exemption by either law or enforcement policy, is the first state to pass the newly authorized 550-lb weight exemption. The change will take effect on July 1, 2013. Passed unanimously by both legislative chambers and signed by Governor Bill Haslam, Tennessee’s Senate Bill (SB) 65 and House Bill (HB) 403 allow trucks an additional 550 lb for “idle-reduction technology or other emissions-reduction technology.” See <http://wapp.capitol.tn.gov/apps/billinfo/BillSummaryArchive.aspx?BillNumber=SB0065&ga=108> for more information.

New Hampshire, which adopted the 400-lb weight exemption just last year, is closing in on its own exemption increase. The Senate has passed HB196 with one amendment, recommending that the act take effect on its passage rather than at the beginning of next year. In Missouri, SB43, which seeks to increase the weight exemption to 550 lb, has been passed by the Senate and is now in the House Transportation Committee. Follow these bills at www.gencourt.state.nh.us/bill_status/Bill_status.aspx?lsr=607&sy=2013&sortoption=&txtsessionyear=2013&txtbillnumber=hb196 and www.senate.mo.gov/13info/BTS_Web/Actions.aspx?SessionType=R&BillID=16944722.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	Proposed Modifications [To] ATCM To Limit Diesel-Fueled Commercial Motor Vehicle Idling [public workshop presentation]	www.arb.ca.gov/msprog/truck-idling/idling_posted.pdf
CARB	Proposed New Regulation: Heavy Duty Greenhouse Gas Standards for New Vehicles and Engines (Phase I) [public workshop presentation]	www.arb.ca.gov/msprog/onroad/phaselghg/presentations/hd_v_phasel_ws_031113.pdf
National Academies Press	Transitions to Alternative Vehicles and Fuels	www.nap.edu/catalog.php?record_id=18264
U.S. DOE, EERE	Effects of Travel Reduction and Efficient Driving on Transportation: Energy Use and Greenhouse Gas Emissions (Transportation Energy Futures Series)	www.nrel.gov/docs/fy13osti/55635.pdf
U.S. DOE, EERE	Potential for Energy Efficiency Improvement Beyond the Light-Duty-Vehicle Sector (Transportation Energy Futures Series)	www.nrel.gov/docs/fy13osti/55637.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
California Energy Commission: Public Workshop on the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP)	Sacramento, California	April 3, 2013 (also Webcast)	www.energy.ca.gov/altfuels/notices/
CARB: Public Workshop for the Development of the Air Quality Improvement Program (AQIP) 2013–14 Funding Plan	Sacramento, California	April 4, 2013	www.arb.ca.gov/msprog/aqip/meetings/meetings.htm
Energy Independence Summit	Washington, D.C.	April 8–10, 2013	www.transportationenergypartners.org/events/eis2013
Green California Summit	Sacramento, California	April 18–19, 2013	www.green-technology.org/gcsummit/
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar series	April 23–25, 2013	https://ssl.arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
National Association of Fleet Administrators (NAFA) Institute and Expo	Atlantic City, New Jersey	April 23–26, 2013	www.nafainstitute.org/
2013 DOE Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 13–17, 2013	www.annualmeritreview.energy.gov/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	www.actexpo.com/index.html
Air & Waste Management Association (A&WMA) Annual Conference—Toward Sustainability	Chicago, Illinois	June 25–28, 2013	ace2013.awma.org/
A&WMA: Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	www.greenfleetconference.com/
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	www.sae.org/events/cve/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
2014 Transportation Research Board (TRB) 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	www.trb.org/Main/Blurbs/168453.aspx

MANUFACTURERS' NEWS

Solar Energy Harnessed To Reduce Idling

Arpin Van Lines, a subsidiary of the Arpin Group of West Warwick, Rhode Island, has been testing a solar panel system to reduce idling. The company claims to have seen significant cost savings after 2 years. Mounted on trucks' rooftops, the photovoltaic system from eNow (Warwick, Rhode Island) captures solar energy and stores it in batteries. The stored energy allows truckers to run their in-cab systems while the vehicle engine is off.

According to eNow, other applications include powering lift gates, refrigeration units, and safety lighting. For more information, please visit arpingroup.com/index.php/news/articles/arpin_renewable_energy_and_enow_form_partnership_to_provide_solar_powered_s and www.enowenergy.com/what-is-enow-solution.

ELECTRIFIED PARKING SPACES

Shorepower Showcases Six New Sites

According to a Shorepower Technologies press release, the company added six new sites between late December 2012 and late February 2013.

Locations include Williams, Iowa (Flying J Williams—24 connections for trucks and 3 for refrigeration units (reefers); Endee (Glenrio), New Mexico (Russell's Truck and Travel Center—24 connections for trucks and 5 for reefers); Hubbard, Ohio (Flying J Hubbard—24 connections for trucks and 5 for reefers); Clearfield, Pennsylvania (Sapp Brothers—24 connections for trucks and 5 for reefers); Lexington, Virginia (Lee Hi Travel Plaza—24 connections for trucks); and Little America, Wyoming (Little America—36 connections for trucks and 5 for reefers).

According to Dave Orton of Cascade Sierra Solutions, the Oregon nonprofit organization administering the DOE-funded Shorepower Truck Electrification Project (STEP), 45 of the 50 STEP sites are complete. The remaining five sites are scheduled to be operational by mid-May of this year.

For information about the steps drivers need to take to use Shorepower pedestals, please go to shorepower.com/gettingstarted.html.

IdleAir Opens Second Site in Dallas–Fort Worth Area

IdleAir has opened a new site at the DFW Oil Truck Stop in Dallas, Texas. The company now has two locations in the Dallas–Fort Worth area.

Jeff Tuck, IdleAir's COO, says that the company will soon expand its Texas network with new locations in Dallas and Laredo. For more information, please see

www.idleair.com/news/idleair-opens-new-location-in-dallas-tx/?utm_source=BenchmarkEmail&utm_campaign=DFW_Location_Now_Open&utm_medium=email. Information about the number of spaces available at individual IdleAir sites is available at www.idleair.com/for-drivers/number-of-active-spaces/. (Photo: A FedEx truck hooks up at the IdleAir's newest installation, the DFW Oil Truck Stop in Dallas, Texas. Courtesy of IdleAir.)



AireDock Announces Plans for a Third Texas Facility, Corporate Restructuring

Roger Southall, AireDock's new CEO, has announced the execution of an agreement with the North Central Texas Council of Governments (NCTCOG) that will lead the way for building AireDock's third Texas location. Once the company completes construction at the Bridgeport Truck Stop on U.S. 380, 20 idle reduction units will be available for truckers to use for cab comfort.

Additional changes at AireDock include moving corporate headquarters from Massachusetts to Florida. Mike Leahy is now General Manager, and Andy Warcaba has been appointed Director of Business Development. In addition, Mr. Warcaba is now serving as moderator for a new industry group called Idle Reduction and Commercialized Truck Parking (www.linkedin.com/groups?home=&gid=3752954&trk=anet ug hm&goback=.anp_3752954_1329429458435_1). Source: Andy Warcaba, AireDock

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

www.afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at www.epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to idlingreduction@anl.gov so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri*	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>Tennessee</i> **	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire*	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	
<p>Legend: Allows the 400-lb exemption by law; Allows the 400-lb exemption by enforcement policy rather than by law; <i>Does not permit the weight exemption.</i> * = Legislation in process to increase the weight exemption to 550 lb. ** = A 550-lb exemption will take effect on July 1, 2013.</p>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The newly launched IdleBase, (cleancities.energy.gov/IdleBase), which will be updated quarterly, contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute

(ATRI) is an excellent resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at www.afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative (Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest

Clean Diesel Initiative (Region 5), www.epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcdc/; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

- Argonne National Laboratory (www.transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Autotherm (autothermusa.com/wordpress/calculate-idling-costs-savings/)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (www.afdc.energy.gov/afdc/prep/)
- Energy Xtreme (www.energyxtreme.net/idle-reduction/calculator-quote)
- Espar (www.espar.com/html/service/calculator/calculator.html)
- Hodyon (www.hodyon.com/calculator.aspx)
- Hotstart (www.hotstart.com/fuel-consumption-calculator/)

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Kohler Power Systems (www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (www.odysseybattery.com/fleet.html)
- Thermo King (www.thermoking.com/tripac/)
- Webasto (www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 23 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at www.afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay

Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to www.afdc.energy.gov/afdc/locator/tse/.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

February 2013

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$1,600 maximum for diesel-powered auxiliary power units (APU) with electric standby; \$1,600 maximum for battery-powered HVAC systems; and \$700 maximum for evaporative cooler systems with shore-power capability	First come, first served until March 31, 2013	www.csswebform.org/webform/TSERebateInfo.aspx
San Diego County Air Pollution Control District (SDAPCD)	Carl Moyer Program	\$1.4 million	First come, first served	www.sdapcd.org/homepage/grants/grants.html
Alabama Department of Environmental Management	Diesel Emissions Reduction Grant Program	\$116,000	Rolling deadline until funds are awarded.	www.adem.alabama.gov/newsEvents/pressreleases/2012/DERAPublicServiceAnnouncement.pdf
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	www.adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	www.arb.ca.gov/ba/loan/on-road/documents/hdloanprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$14.1 million (as of February 28, 2013)	Rolling deadline until funds are awarded.	www.californiahvip.org/

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business APU Loan Program	\$110,000	Rolling deadline until funds are awarded.	www.pca.state.mn.us/index.php/to pics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	www.turnyouengineoff.org/campaign_recognition.html
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	www.portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
Transportation Research Board (TRB), Airport Cooperative Research Program (ACRP)	Request for Proposals: Methodology To Improve EDMS/AEDT [Emission Dispersion Modeling System/Aviation Environmental Design Tool] Quantification of Aircraft Taxi/Idle Emissions	\$250,000	March 12, 2013	apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=3440
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	September 1, 2013	www.epa.ohio.gov/oeef/schoolbus.aspx

REGULATORY NEWS

Vermont Tries—Again—To Limit Vehicle Idling

In Vermont—the only northeastern state that does not limit the idling of heavy-duty vehicles—two bills that sought such limits died at the end of the 2012 legislative session. State lawmakers are now considering new companion bills that would limit the idling of *all* motor vehicles to no more than 3 minutes during any 60-minute period. The recently introduced House Bill (H) 288 and Senate Bill (S) 76 are in their respective Transportation

Committees. Another bill, H327, proposes to direct the Secretary of Natural Resources to adopt rules that would limit unnecessary motor vehicle idling.

For more information about the Vermont bills, please go to www.leg.state.vt.us/database/status/status.cfm?Session=2014 and www.idlefreevt.org/regulation.html.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
CALSTART	California Energy Commission	Demonstration projects of battery-electric, plug-in hybrid electric, and range-extended hybrid electric/natural gas heavy-duty drayage trucks operating at the ports of Long Beach and Los Angeles	\$3.5 million
Atlantic City, New Jersey	New Jersey Department of Environmental Protection (NJDEP)	Education, outreach, and enforcement of state idling regulations	\$8,005
Camden County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$24,480
Hudson County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$10,000
Mercer County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$9,862
Middlesex County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$12,374
Passaic County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$7,920
Sussex County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$10,000
Union County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$16,433
Warren County, New Jersey	NJDEP	Education, outreach, and enforcement of state idling regulations	\$9,900

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	EMFAC2011 [Tool for estimating on-road vehicle emissions in California]—January 2013 update	www.arb.ca.gov/msei/modeling.htm
Florida Department of Transportation (DOT)	Commercial Motor Vehicle Parking Trends at Rest Areas and Weigh Stations	www.dot.state.fl.us/research-center/Completed_Proj/Summary_TE/FDOT-BDK80-977-14-rpt.pdf
TRB	Incorporating Greenhouse Gas Emissions into the Collaborative Decision-Making Process	onlinepubs.trb.org/onlinepubs/shrp2/SHRP2_S2-C09-RR-1.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
How To Comply with CARB Diesel Regulations	Woodland, California	March 7, 2013	https://ssl.arb.ca.gov/training/courses.php?course=520
CARB Public Workshop Regarding Proposed Changes to Heavy-Duty Vehicle Regulations (including the Airborne Toxic Control Measure To Limit Diesel-Fueled Commercial Motor Vehicle Idling)	Sacramento, California	March 11, 2013	www.arb.ca.gov/msprog/mailouts/msc1305/msc1305.pdf
Theater screening of <i>Idle Threat</i>	Washington, D.C.	March 17, 2013	www.idlethreatmovie.com
How To Comply with CARB Diesel Regulations	Three-part webinar series	March 19–21, 2013	https://ssl.arb.ca.gov/training/courses.php?course=520
CARB Public Meeting To Consider the Reallocation of Funding within the Fiscal Year 2012–13 Assembly Bill 118 Air Quality Improvement Program (AQIP) Funding Plan To Address Increased Project Demand	Sacramento, California	March 21, 2013	www.arb.ca.gov/regact/nonreg/aqip2013meetingnotice.pdf
Mid-America Trucking Show	Louisville, Kentucky	March 21–23, 2013	www.truckingshow.com/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CalHEAT	Sacramento, California	March 26, 2013	www.calstart.org/Projects/CalHEAT.aspx
Energy Independence Summit	Washington, D.C.	April 8–10, 2013	www.transportationenergypartners.org/events/eis2013
Green California Summit	Sacramento, California	April 18–19, 2013	www.green-technology.org/gcsummit/
National Association of Fleet Administrators (NAFA) Institute and Expo	Atlantic City, New Jersey	April 23–26, 2013	www.nafainstitute.org/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	www.actexpo.com/index.html
Air & Waste Management Association (A&WMA) Annual Conference—Toward Sustainability	Chicago, Illinois	June 25–28, 2013	ace2013.awma.org/
A&WMA: Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	www.greenfleetconference.com/
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	www.trb.org/Main/Blurbs/168453.aspx

ELECTRIFIED PARKING SPACES

STEP Rebates Again Available for a Limited Time

The Shorepower Truck Electrification Project (STEP) recently reopened its idle-reduction equipment rebate program. The rebates that the project approved last year but the companies did not redeem fund this opportunity.

Cascade Sierra Solutions (CSS), which is administering the rebate program, estimates that the funds available will cover an additional 400–500 rebates. Rebates are available for approved APUs with electric standby (\$1,600 maximum), battery-powered HVAC systems (\$1,600 maximum), and

evaporative cooler systems with shore-power capability (\$700 maximum). The rebates are available on a first-come, first-served basis until March 31, 2013. A list of approved equipment is available at www.csswebform.org/WebForm/Supplier_list.aspx. The link https://csswebform.org/WebForm/TSE_home.aspx contains more information.

STEP is also giving away more than 1,000 plug-in connection kits on a first-come, first-served basis. Recipients are responsible for installation costs. To learn more about the two plug-in kit types available, please see

<http://library.constantcontact.com/download/get/file/1102118090374-330/Fleet+Plug-In+Connector+Kits+Flyer-RevB.pdf>.

IdleAir Opens New Location, Garners Chevrolet Carbon-Credit Support

IdleAir has opened a new location at the Flying J in Carlisle, Pennsylvania. With this location, IdleAir now operates 31 sites in 12 states (Arizona, Arkansas, California, Georgia, Illinois, Minnesota, Missouri, New Jersey, Pennsylvania, Tennessee, Texas, and Utah). The company is planning to open new sites in Texas, California, and Ohio this year.

In other IdleAir news, Chevrolet has announced that it will purchase up to 75,000 metric tons worth of carbon credits generated by IdleAir's truck stop electrification (TSE) network. According to the *Environmental Leader*, while

Chevrolet does not disclose project-specific numbers, the company intends to spend up to \$40 million to support a range of carbon-reducing projects.

For more information, please see www.idleair.com/news/idleair-opens-new-location-in-carlisle-pa/?utm_source=IdleAir+Driver+Newsletter&utm_campaign=1b8b49ad1b-Carlisle_Open_2013_02_05&utm_medium=email and www.environmentalleader.com/2013/02/06/chevy-buys-idleair-co2-credits/.

PORTS

San Diego Tugboat Fleet Converts to Shore Power

Pacific Tugboat Service (San Diego, California) recently converted its fleet of 20 vessels to run on shore power. Also called "cold ironing," shore power allows ships and boats to shut down diesel engines and draw electrical power from the grid when docked. Shore power both improves air quality and reduces noise pollution.

Pacific Tugboat Service's conversion was part of a \$3 million upgrade at the company's Crosby Street Pier facility. About \$500,000 was spent on charging-station installation and vessel retrofits. The project received support from San Diego Gas & Electric (SDG&E), which helped with charging-station power upgrades, and a grant from the San Diego County Air Pollution Control District.

The Port of San Diego has shore-power installations at its B Street Cruise Ship Terminal and the Port Pavilion on Broadway Pier. The Port is also planning a shore-power project at its Tenth Avenue Marine Terminal.

For more information, please go to www.portofsandiego.org/environment/3244-port-of-san-diego-waterfront-business-converts-vessels-to-shore-power.html?utm_source=feedblitz&utm_medium=FeedBlitzRss&utm_campaign=portsdpr. A video about the project is available at www.youtube.com/watch?v=K9ViCHFHVY8&feature=youtu.be.

EDUCATION, CAMPAIGNS, AND OUTREACH

DOE's Clean Cities Introduces IdleBox, an Idling Reduction Outreach Toolkit

The U.S. Department of Energy's (DOE) Clean Cities initiative is on a mission: to help reduce petroleum consumption in transportation. In the front lines of that effort is a network of Clean Cities coordinators who, through local and regional Clean Cities coalitions, bring together stakeholders in the public and private sectors to deploy a variety of petroleum-conserving measures.

Now, Clean Cities coordinators have a whole toolkit dedicated to idling reduction. IdleBox, prepared by the idling reduction team at Argonne National Laboratory, is a suite of tools to help coordinators conduct general outreach on idling reduction and connect with fleet/operations managers who seek to minimize unnecessary idling. Tools include presentations, letters, signs, tip sheets, and stickers. IdleBox also includes idling calculators and the idling law database, IdleBase (cleancities.energy.gov/IdleBase). IdleBox tools are currently focused on light- and medium-duty fleet vehicles; the program will add tools specific to heavy-duty vehicles over time.



Nearly 100 Clean Cities Coalitions across the United States have helped the Clean Cities Program save more than 4.5 billion gallons of petroleum through alternative fuel use, fuel economy improvements, idle reduction measures, and other strategies.

To learn more about IdleBox, please contact your nearest Clean Cities coordinator. A list of coordinators by region/city is available at www.afdc.energy.gov/cleancities/coalitions/coalition_contacts.php.

Newark, Delaware, Launches Campaign To Promote Its No-Idling Ordinance

While many towns and cities have ordinances limiting the idling of large, commercial diesel-fueled vehicles, very few have laws that limit the idling of private passenger vehicles. Newark, Delaware, is one of those few, and it's now working to get the message out to residents and visitors.

An advisory group to the Newark City Council, the Newark Conservation Advisory Commission, has launched a campaign to promote awareness of, and compliance with, a 2009 idling ordinance. The ordinance specifies that

motorists may idle for no more than 5 minutes in a 60-minute period. First offenses are met with a warning, and subsequent violations result in a \$100 fine. The law includes a number of the usual exemptions, including one for low temperatures.

Newark's Anti-Idling Campaign is supported by a \$15,000 grant from Delaware's Department of Natural Resources and Environmental Control (DNREC), through DNREC's Greenhouse Gas Reduction Projects Fund. The

campaign promotes the anti-idling message through street signage, public service announcements, advertising, and print materials.

For more information, please see

www.cityofnewarkde.us/index.aspx?NID=686. A campaign video is available at www.youtube.com/watch?v=JvDAyiTt7xU.

OTHER NEWS OF INTEREST

EPA Launches Voluntary Soot-Reduction Program: PM Advance

The U.S. EPA's new PM Advance program supports local actions to reduce fine particle pollution (particulate matter smaller than 2.5 micrometers, or PM_{2.5}), and its precursors, in areas that currently meet the PM_{2.5} National Ambient Air Quality Standards (NAAQS). The goal of the program is to help state, tribal, and local governments remain in attainment.

reductions with additional EPA support. Those participating in the initiative may choose among a number of control measures and programs that are most appropriate and cost-effective for their areas. Program participation may also reduce levels of other pollutants, such as nitrogen oxide and ambient ozone.

While local areas may take their own steps to reduce PM, PM Advance is targeted to states, tribes, and local governments that prefer to pursue

More information about the PM Advance program is available at epa.gov/ozonepmadvance/basicPM.html.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

www.afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at www.epa.gov/smartway/technology/idling.htm.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. We are not aware of any states that have yet increased the weight allowance to 550 lb. If you have information about planned or enacted

changes, please send a message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri*	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>Tennessee*</i>	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire*	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows the 400-lb exemption by law; Allows the 400-lb exemption by enforcement policy rather than by law; <i>Does not permit the weight exemption.</i> * = Legislation in process to increase the weight exemption to 550 lb.						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The newly launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) is an excellent resource

(<http://atri-online.org/2013/02/20/idling-regulations-compendium/>). If your state, county, or municipality has made or is proposing changes, please let us know (IDLINGREDUCTION@ANL.GOV) so that we may share this information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at www.afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative (Region 3), www.dieselmidatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest

Clean Diesel Initiative (Region 5), www.epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcdc/; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/funding-opportunities.htm.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (www.transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Autotherm (autothermusa.com/wordpress/calculate-idling-costs-savings/)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (www.afdc.energy.gov/afdc/prep/)
- Energy Xtreme (<http://www.energyxtreme.net/idle-reduction/calculator-quote>)
- Espar (www.espar.com/html/service/calculator/calculator.html)
- Hodyon (www.hodyon.com/calculator.aspx)
- Hotstart (www.hotstart.com/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Kohler Power Systems (www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (www.odysseybattery.com/fleet.html)
- Thermo King (www.thermoking.com/tripac/)
- Webasto (www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 23 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at www.afdc.energy.gov/afdc/locator/tse. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay

Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to www.afdc.energy.gov/afdc/locator/tse/.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

January 2013

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Alabama Department of Environmental Management	Diesel Emissions Reduction Grant Program	\$116,000	Rolling deadline until funds are awarded.	http://www.adem.alabama.gov/newsEvents/pressreleases/2012/DERAPublicServiceAnnouncement.pdf
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	http://www.adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$15.1 million (as of January 30, 2013)	Rolling deadline until funds are awarded.	http://www.californiahvip.org/
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	http://www.turnyouengineoff.org/campaign_recognition.html
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	http://www.portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
CARB	Advanced Technology Demonstration Projects: Zero-Emission Off-Road Equipment	\$1 million	February 7, 2013	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
U.S. EPA Region 2	Environmental Quality Awards (nominations sought)	Not applicable	February 19, 2013	http://www.epa.gov/region2/eqa
EPA Region 1	Environmental Merit Awards	Not applicable	March 1, 2013	http://www.epa.gov/ne/ra/ema/
North Dakota Department of Health, Division of Air Quality	State Clean Diesel Grant Program	~\$158,000	March 1, 2013	www.ndhealth.gov/AQ/Dockets/StateCleanDieselApplication.docx
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	March 1, 2013	http://www.epa.ohio.gov/oef/schoolbus.aspx
Transportation Research Board (TRB), Airport Cooperative Research Program (ACRP)	Request for Proposals: Methodology To Improve EDMS/AEDT [Emission Dispersion Modeling System/Aviation Environmental Design Tool] Quantification of Aircraft Taxi/Idle Emissions	\$250,000	March 12, 2013	http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=3440

REGULATORY NEWS

Introducing IdleBase: A Comprehensive Database of Idling Laws

Clean Cities, an initiative of the U.S. Department of Energy (DOE), has launched IdleBase, a database of known laws related to the idling of all classes of on-road vehicles. The new database, which covers vehicles ranging from motorcycles and passenger cars to school buses and heavy-duty trucks, is available at <http://cleancities.energy.gov/idlebase>.

Prepared for Clean Cities by Argonne National Laboratory, IdleBase is designed to serve as a reference tool for both those who need to know the laws as a practical matter (e.g., fleet managers and vehicle operators) and those who want to learn how other states, regions, counties, and municipalities seek to reduce idling-associated air-quality impacts and fuel use (e.g., public officials and policymakers).

IdleBase is organized by state and provides the following information:

- Where the law (e.g., regulation, ordinance, or code) applies
- Vehicle type(s) affected by the law
- Description of the idling restriction
- Exemptions to the idling restriction
- Consequences of infractions (when known)
- Name or title of the law, and
- Hyperlink leading to the law or, in cases where a direct link is not possible, the website containing the law.

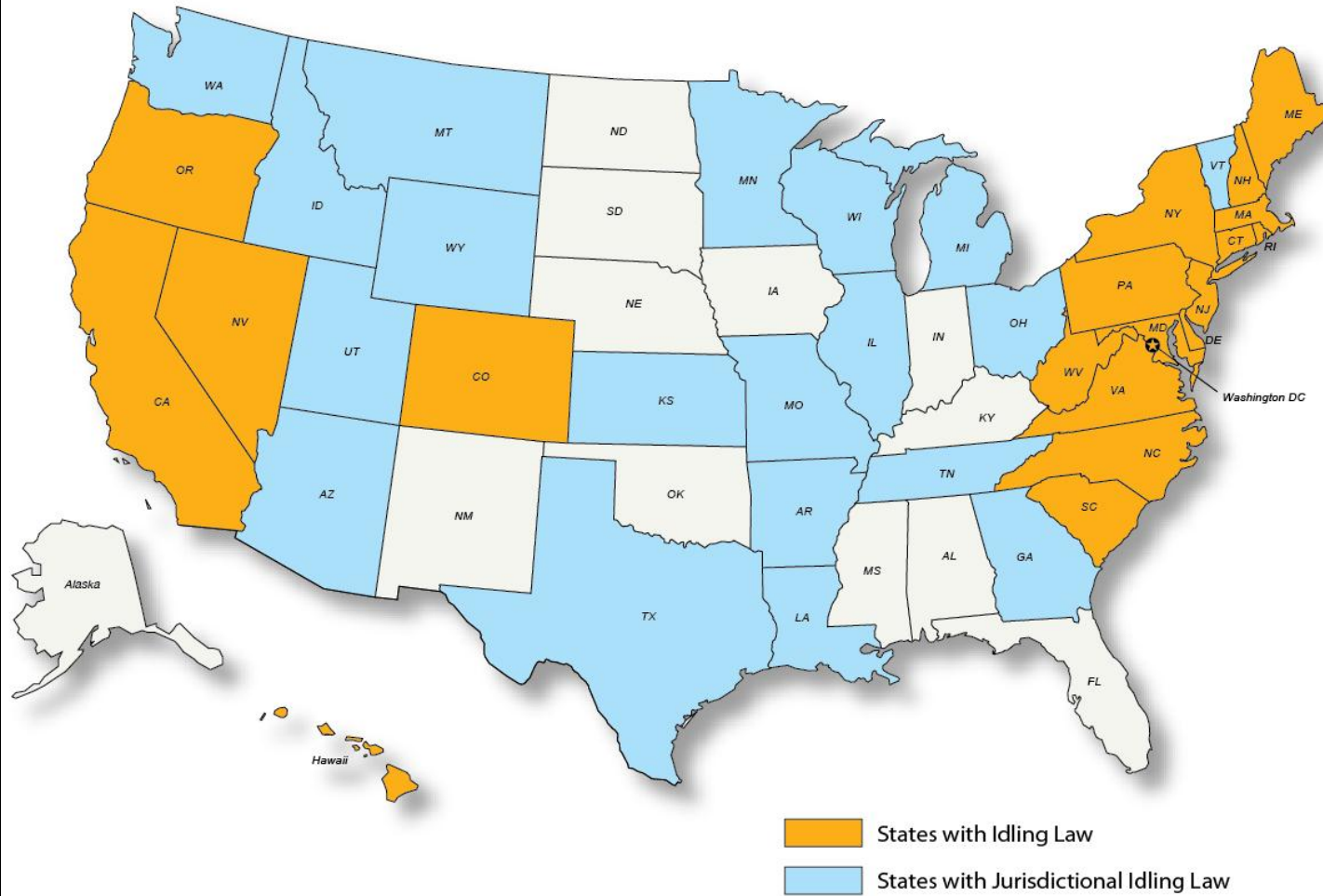
Most state entries end with an “Of Further Interest” section that has information about nonbinding/nonenforceable idling-reduction initiatives, which are usually led by state or local agencies.

Idling laws are surprisingly variable. While one city might limit the idling of “vehicles,” another might regulate the idling of “diesel-fueled commercial vehicles weighing more than 26,000 lb (gross vehicle weight),” and another might limit the idling of “large trucks on State Street.” As a result of the complicated landscape of idling restrictions, “Exemptions” is actually the most variable category. Often—even usually—the description of a law’s exemptions is longer than the law itself. Because the exemptions vary so widely and range from the very specific to the very general, exemption language in IdleBase has been only minimally simplified or standardized.

IdleBase is provided as a convenient reference tool. Because laws may change with little warning, users are strongly encouraged to crosscheck current laws. Those who note any inaccuracies or out-of-date content should send a message to idlingreduction@anl.gov so that the team may make corrections for the next IdleBase update. (IdleBase will be updated quarterly.)

For a visual overview of idling laws, see the map on the next page. Argonne National Laboratory is one of the DOE’s largest national laboratories for scientific and engineering research. DOE’s Clean Cities initiative works through a network of nearly 100 coalitions to advance the nation’s economic, environmental, and energy security by supporting local actions that reduce transportation-sector petroleum consumption. For more information, please see www.anl.gov and www.cleancities.energy.gov.

States with Idling Regulations



January 2013

Courtesy of Argonne National Laboratory

Surge in APU Weight Exemption Bill Activity

Nearly 2 years have passed since any state has introduced an APU weight exemption bill, but 2013 is off to a lively start. In addition to Missouri, which introduced Senate Bill (SB) 43 to increase the APU weight exemption from 400 to 550 lb, New Hampshire and Tennessee now have weight-exemption bills on their dockets.

New Hampshire, where the 400-lb APU exemption went into effect just a year ago, now has a bill committee to increase the exempted weight to 550 lb. To follow the status of House Bill (HB) 196, please go to http://www.gencourt.state.nh.us/bill_status/. In Tennessee, lawmakers

have introduced companion bills, SB65 and HB403, for a 550-lb weight allowance. Currently, Tennessee does not permit additional weight for APUs either by law or enforcement policy. To follow the Tennessee bills, please see <http://wapp.capitol.tn.gov/apps/BillInfo/Default.aspx?BillNumber=SB0065> and <http://wapp.capitol.tn.gov/apps/BillInfo/Default.aspx?BillNumber=HB0403&GA=108>.

Missouri's SB43, introduced early in January, is now in committee. The link http://www.senate.mo.gov/13info/BTS_Web/Bill.aspx?SessionType=R&BillID=16944722 contains more information.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Northeast States for Coordinated Air Use Management (NESCAUM)	U.S. EPA	Replacement of 2 locomotive engines operating in northern New Jersey with new, cleaner engines equipped with either an automatic engine stop/start system or an APU to reduce idling	\$1.4 million

Clean Cities Coalitions Recognized for Idling Reduction Successes

In 2012, the U.S. DOE's Clean Cities initiative recognized two coalitions for their 2011 accomplishments in idling reduction. The Kentucky Clean Fuels Coalition (KCFC) received the Outstanding Idle Reduction Program Award, chiefly for its involvement in a Class-8 truck plug-in project with Mercer Transportation (Louisville, Kentucky). In 2011, KCFC helped save 4.7 million gasoline gallon equivalents (GGEs) through idling reduction projects.

In addition, Clean Cities recognized Idaho's Treasure Valley Clean Cities Coalition (TVCCC) for most-improved GGE savings with idling reduction. In

2011, TVCCC's idling reduction efforts achieved a nearly 57,000-GGE savings, nearly 100 times more than in 2010.

For more information about KCFC's idling reduction work, please see <http://www.kentuckycleanfuels.org/resources/fuelsandtechnologies/idlereduction.htm>. A video about a TVCCC idling reduction project can be found at http://www.youtube.com/watch?v=Vu_r3pzjZCY&list=PLTTHf6mU88sZr6_qSxbg_CPRCjnPtzw1-&index=13.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Fleet Equipment Magazine	Idling Reduction	http://www.fleetequipmentmag.com/Item/108959/idling_reduction.aspx
National Renewable Energy Laboratory	Clean Cities 2011 Annual Metrics Report	http://www.afdc.energy.gov/uploads/publication/56091.pdf
Oak Ridge National Laboratory	Medium Truck Duty Cycle Data from Real-World Driving Environments: Project Final Report	http://info.ornl.gov/sites/publications/Files/Pub39145.pdf
Trucking Industry Mobility & Technology Coalition (TIMTC)	Truck Parking Issues and Opportunities (webinar)	http://www.freightmobility.com/Presentations.html
TRB, Airport Cooperative Research Program	State and Federal Regulations That May Affect Initiatives To Reduce Airports' GHG Emissions	http://onlinepubs.trb.org/onlinepubs/acrp/acrp_lrd_017.pdf
TRB, National Cooperative Freight Research Program	Handbook on Applying Environmental Benchmarking in Freight Transportation	http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_021.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
How To Comply with CARB Diesel Regulations	Webinar (Session 1)—February 12, 2013 Webinar (Session 2)—February 13, 2013 Webinar (Session 3)—February 14, 2013 Vallejo, California—February 20, 2013 Salinas, California—February 27, 2013 San Leandro, California—February 27, 2013		https://ssl.arb.ca.gov/training/courses.php?course=520
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
Theater screening of <i>Idle Threat</i>	Washington, D.C.	March 17, 2013	http://www.idlethreatmovie.com

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Mid-America Trucking Show	Louisville, Kentucky	March 21–23, 2013	http://www.truckingshow.com/
CalHEAT	Sacramento, California	March 26, 2013	http://www.calstart.org/Projects/CalHEAT.aspx
Energy Independence Summit	Washington, D.C.	April 8–10, 2013	http://www.transportationenergypartners.org/events/eis2013
National Association of Fleet Administrators (NAFA) Institute and Expo	Atlantic City, New Jersey	April 23–26, 2013	http://www.nafainstitute.org/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	http://www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	http://www.actexpo.com/index.html
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	http://www.greenfleetconference.com/

MANUFACTURERS' NEWS

Hodyon Recalls Dynasys APU

Because of a potential safety risk, APU manufacturer Hodyon (Cedar Park, Texas) has issued a recall of its Dynasys APU. The company has asked that all Dynasys owners not only discontinue use of the APU, but disable it.

Hodyon anticipates that recall repair instructions and initial parts shipments will be available to dealers beginning on February 11, 2013. When dealers have begun scheduling required repairs, the company will notify customers.

Dynasys owners who have not been contacted directly by either Dynasys or an authorized dealer about the process for disabling the Dynasys are asked to call (800) 289-8282, ext. 3. For the most current status on the recall action, please go to <http://www.hodyon.com/>.

PARKING SPACES FOR TRUCKS

Minnesota Tests Truck Parking Availability Notification Program

The Minnesota Department of Transportation is testing a system to provide truck drivers real-time information about parking availability. A network of automated cameras at the Elm Creek Rest Area on I-94 near Minneapolis monitors the rest area for empty spaces and relays the number available to

truck drivers when they reach a set distance (20 miles, 10 miles, 5 miles, or 1 mile) from the rest area. The cameras were activated in January, and the test will run through April 2013. Other rest areas will be tested later this year.

If successful, the monitoring and notification technology has the potential to improve truck drivers' ability to find safe parking and, in turn, reduce truck driver fatigue, which would improve roadway safety. Safe truck parking is a longstanding issue for truck drivers. In the absence of safe, reliable parking options, truckers may be forced to park in unsafe locations during their mandated rest periods.

Funding for the project includes \$2.1 million from the Federal Highway Administration (FHWA) and \$227,000 from the Minnesota Department of Transportation (DOT). More information is available at <http://www.landlinemag.com/Story.aspx?StoryID=24650> and <http://www.dot.state.mn.us/newsrels/13/01/10restareas.html>.

ELECTRIFIED PARKING SPACES

IdleAir Introduces New Service Package

IdleAir has introduced a new service package targeted to truck drivers who want entertainment options and access to electrical power but do not need heated or cooled air.

The company's new ConvoyTV+Power™ package includes 60+ satellite TV channels, 120-volt electricity inside and outside the cab, and basic Internet access via the IdleAir touchscreen. Through April 30, 2013, IdleAir is offering the new service at select locations for \$1.49 per hour. The cost for access to

IdleAir's original package, Premium Service, which includes conditioned air, is \$2.09 per hour.

"Our new package especially benefits drivers whose trucks have alternating current-compatible HVAC systems. We have found that ConvoyTV+Power is also a great introduction to idling mitigation technologies for drivers who are new to truck stop electrification," said IdleAir's Chief Listening Officer, Jeff Maurer. For more information, please go to <http://www.idleair.com/news/>.

Shorepower Extends Free Service Through March 31

Shorepower Technologies is extending its free power incentive for truck drivers. Truckers may now use Shorepower's power pedestals free of charge through March 31, 2013.

As of the end of 2012, Shorepower Technologies had installed power pedestals at 55 locations for a total of 1,250+ electrified parking spaces. Twenty of the locations provide connections to 480-volt power for hybrid refrigerated trailers, and some locations offer cable TV access. For more information, please see <http://www.shorepower.com/>.

PORTS

Port of Halifax

The Port of Halifax, Nova Scotia, is slated to be the first Canadian Atlantic port to provide shore power for cruise ships. According to Canada's transportation department, Transport Canada, the new shore power installation will decrease cruise ship idling by 7%, which corresponds to an annual fuel-use decrease of about 123,000 liters (32,500 gallons) and an annual reduction of greenhouse gas and air pollutant emissions of 370,000 kg (815,000 lb). The percentage of idling displaced is expected to increase as more shore power-equipped ships use the installation.

The cooperative initiative among the Government of Canada, the Province of Nova Scotia, and the Port of Halifax is scheduled to launch in 2014. The Can\$10 million project will be funded by Transport Canada (up to

Can\$5 million) and the Province of Nova Scotia and the Port of Halifax (Can\$2.5 million each).

Funding for the Shore Power Technology for Ports Program was provided through Clean Transportation Initiatives as part of Canada's Clean Air Agenda. The initiatives focus on advancing green energy and energy efficiency and aligning Canadian regulations with those of the United States and with international standards. For more information, please go to http://www.tc.gc.ca/eng/mediaroom/releases-2013-h003e-7035.htm?campaign=Twitter-eng&WT.mc_id=x1dp6.

RAILROADS

"Electrified Parking" Planned for San Jose Trains

California's Bay Area Air Quality Management District (BAAQMD) has allocated \$330,000 for a wayside-power project that will reduce train emissions at a San Jose train station. Stopped trains often require power for refrigeration and other systems. Wayside power allows stationary vehicles to pull power from the electric grid rather than run their diesel engines.

The project will include the installation of eight cabinets to provide electric power for locomotives at the San Jose Diridon Station. BAAQMD will work in

partnership with the Peninsula Corridor Joint Powers Board, which owns and operates Caltrain and consists of representatives from San Francisco, San Mateo, and Santa Clara counties.

This project is funded through the Carl Moyer Program. For more information, please see <http://www.baaqmd.gov/Divisions/Communications-and-Outreach/News-Media-and-Features.aspx>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and http://www.afdc.energy.gov/conserve/idle_reduction_related.html,

respectively. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. We are not aware of any states that have increased the weight allowance to 550 lb. If you have information about planned or enacted changes, please

send a message to idlingreduction@anl.gov so that we may share the news with our readers.]

The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri [†]	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>Tennessee</i> [†]	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire [†]	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	
<p>Legend: Allows the 400-lb exemption by law; Allows the 400-lb exemption by enforcement policy rather than by law; <i>Does not permit the weight exemption.</i> [†] = Legislation in process to increase the weight exemption to 550 lb.</p>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The newly launched IdleBase (<http://cleancities.energy.gov/IdleBase>) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) is an excellent

resource (<http://atri-online.org/2012/07/20/idling-regulations-compendium/>). If changes have been made, or are being proposed, for your state, county, or municipality, please let us know (idlingreduction@anl.gov) so that we may share this information with newsletter readers.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at <http://www.afdc.energy.gov/laws/>. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmidatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4),

<http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>)—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (<http://us.bergstrominc.com/nite-calculate-savings/>)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/>)
- Energy Xtreme (<http://www.energyxtreme.net/resources/calculator>)

- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems
(<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada
(http://oee.nrcan.gc.ca/transportation/tools/calculators/idling/idling_impact-workplace.cfm?attr=16)

- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto
(http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 23 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at <http://www.afdc.energy.gov/afdc/locator/tse>. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel

Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to <http://www.afdc.energy.gov/afdc/locator/tse/>.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Alabama Department of Environmental Management	Diesel Emissions Reduction Grant Program	\$116,000	Rolling deadline until funds are awarded.	http://www.adem.alabama.gov/newsEvents/pressreleases/2012/DERAPublicServiceAnnouncement.pdf
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	http://www.adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$18.7 million	Rolling deadline until funds are awarded.	http://www.californiahvip.org/
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	http://www.turnyouengineoff.org/campaign_recognition.html
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	http://www.portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
North Carolina Division of Air Quality	2013 Mobile Source Emission Reduction Grant Program	\$759,666	January 18, 2013	http://daq.state.nc.us/motor/ms_grants/
Ohio EPA	Ohio Diesel Emissions Reduction Grant (DERG) Program	\$10 million	February 1, 2013 (extended)	http://www.epa.state.oh.us/oeef/derg.aspx
CARB	Advanced Technology Demonstration Projects: Zero-Emission Off-Road Equipment	\$1 million	February 7, 2013	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
U.S. EPA Region 2	Environmental Quality Awards (nominations sought)	Not applicable	February 19, 2013	http://www.epa.gov/region2/eqa
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	March 1, 2013	http://www.epa.ohio.gov/oeef/schoolbus.aspx

REGULATORY NEWS

Missouri Bill Seeks To Raise APU Weight Exemption to 550 Pounds

Missouri is the first state known to seek to increase the APU weight exemption as permitted by Moving Ahead for Progress in the 21st Century (MAP-21). Missouri Senator Brian Munzlinger has prefiled a bill that would raise the APU weight exemption from 400 to 550 lb.

In 2005, the Energy Policy Act granted states the authority to enact a 400-lb exemption for the use of idling reduction technology on heavy-duty vehicles. MAP-21, the provisions of which took effect on October 1, 2012, increased the permitted weight allowance to 550 lb.

Missouri's legislative session begins January 9. For more information, please see <http://www.landlinemag.com/Story.aspx?StoryID=24506> and

<http://www.senate.mo.gov/13info/pdf-bill/intro/SB43.pdf>. Source: Keith Goble, State Legislative Editor, *Land Line*.

EPA Issues Final Rule for Revised Annual PM_{2.5} Standard

The EPA has revised its National Ambient Air Quality Standard for fine particles (i.e., particulate matter less than 2.5 micrometers [μm] in diameter, or "PM_{2.5}"). The annual health standard will be 12 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), reduced from the 15 $\mu\text{g}/\text{m}^3$ threshold set in 1997. The agency did not revise the daily standard for PM_{2.5} or the standards for coarse particle pollution (PM₁₀).

According to the EPA, 99% of U.S. counties will likely meet the 12 $\mu\text{g}/\text{m}^3$ standard by 2020 without instituting further measures. The counties expected to require new initiatives to meet the standard by 2020 are located in central-to-southern California (<http://www.epa.gov/pm/2012/2020map.pdf>).

PM_{2.5} is of particular concern because particles so small—1/30th the width of a human hair—may become lodged deep in lung tissue, compromising health. The EPA states that, by 2030, the reduction in PM_{2.5} associated with diesel vehicles and equipment alone will prevent as many as 40,000 premature deaths, 32,000 hospital admissions, and 4.7 million days of work lost due to illness.

For more information about the new PM_{2.5} standard, please go to <http://yosemite.epa.gov/opa/admpress.nsf/d0cf6618525a9efb85257359003fb69d/a7446ca9e228622b85257ad400644d82!OpenDocument>. The final rule can be found at <http://www.epa.gov/airquality/particlepollution/2012/finalrule.pdf>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Idaho Department of Environmental Quality	U.S. EPA West Coast Collaborative	Purchase and installation of fuel operated heaters for 20 school buses and closed crankcase ventilation systems and diesel oxidation catalysts for 15 school buses	\$120,623
Motiv Power (Foster City, California)	California Energy Commission, Alternative and Renewable Fuel and Vehicle Technology Program	Pilot production line for powertrain components of medium- and heavy-duty electric vehicles	\$2.4 million

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Carbon War Room	Road Transport: Unlocking Fuel-Saving Technologies in Trucking and Fleets	http://www.grahampeacedesignmail.com/cwr/cwr2012_trucking_final_download_singles.pdf
EPA	Using MOVES [MOtor Vehicle Emissions Simulator] for Estimating State and Local Inventories of On-Road Greenhouse Gas Emissions and Energy Consumption: Final Report	http://www.epa.gov/otaq/stateresources/420b12068.pdf
Health Effects Institute	Potential Air Toxics Hot Spots in Truck Terminals and Cabs	http://pubs.healtheffects.org/view.php?id=393
Idaho National Laboratory	Quantifying the Effects of Idle-Stop Systems on Fuel Economy in Light-Duty Passenger Vehicles	http://www1.eere.energy.gov/vehiclesandfuels/avta/pdfs/mhv/idle-stop_light_duty_passenger_vehicles.pdf
Pike Research	Advanced Lead-Acid Batteries: Enhanced Flooded, Valve-Regulated, Lead-Carbon, and UltraBatteries for Motive, Transportation, and Stationary Applications: Global Market Analysis and Forecasts	Summary and ordering information available at http://www.pikeresearch.com/research/advanced-lead-acid-batteries
Texas Commission on Environmental Quality	Texas Emissions Reduction Plan Biennial Report (2011–2012)	http://www.tceq.state.tx.us/assets/public/comm_exec/pubs/sfr/079_1_2.pdf
Trucking Social Media and AireDock	Truck Stop Electrification Survey	http://www.truckingsocialmedia.com/documents/truck-stop-electrification-survey-analysis.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Transportation Research Board (TRB) 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx
Idle Free Fleets Conference, hosted by Utah Clean Cities and Rio Tinto's Kennecott Utah Copper	West Valley City, Utah	January 15, 2013	http://utahcleancities.org/calendar/jan-15-2013/idle-free-fleets-conference

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MEETING	LOCATION	DATE	WEBSITE OR CONTACT
How To Comply with CARB Diesel Regulations	Gardena, California—January 22, 2013 Diamond Bar, California—January 23, 2013 Sacramento, California—January 28, 2013 (also webcast)		http://www.arb.ca.gov/training/courses.php?course=520
Society of Automotive Engineers (SAE) Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/
Midwest Truck and Trailer Show	Peoria, Illinois	February 1–2, 2013	http://www.midwesttruckshow.com/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
Screening of <i>Idle Threat</i>	Washington, D.C.	March 17, 2013	http://www.idlethreatmovie.com
Mid-America Trucking Show	Louisville, Kentucky	March 21–23, 2013	http://www.truckingshow.com/
Energy Independence Summit	Washington, D.C.	April 8–10, 2013	http://www.transportationenergypartners.org/events/eis2013
National Association of Fleet Administrators (NAFA) Institute and Expo	Atlantic City, New Jersey	April 23–26, 2013	http://www.nafainstitute.org/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	http://www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	http://www.actexpo.com/index.html
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	http://www.greenfleetconference.com/

MANUFACTURERS' NEWS

Webasto and ESW Partner for Emissions Reduction Synergy

Webasto Product North America (Fenton, Michigan) and ESW Group (Montgomeryville, Pennsylvania) have announced a partnership to integrate

their respective emissions reduction technologies. According to a joint press release, Webasto's fuel-operated heaters, when used in

combination with ESW's diesel particulate filter system, will eliminate cold starts, reduce soot production at engine start-up, and reduce the frequency of filter regeneration cycles.

The partnership will also facilitate opportunities for Diesel Emissions Reduction Act (DERA) funding. Earlier this year, the U.S. EPA announced that stand-alone idling reduction projects (except for those associated with locomotives, shore connection systems, or truck stop electrification technologies) would no longer be eligible for DERA funding. However,

projects that combine verified idle reduction technologies and verified exhaust controls, on the same vehicles, would be eligible for funding of up to 100% of the cost, including equipment and labor.

More information about the Webasto-ESW partnership is available at <http://eswgroup.com/webasto-and-esw-group-form-strategic-partnership-to-assist-transportation-industry-achieve-clean-air-goals/>. For more information about changes made to DERA project eligibility in 2012, please go to <http://www.epa.gov/cleandiesel/documents/fy12-dera-faq.pdf>.

ELECTRIFIED PARKING SPACES

More STEP Sites Launched, TRU Connections Multiply

Shorepower Technologies has announced the opening of eight new sites, five of which offer 480-V connections for transport refrigeration units (TRUs). The newest installations are in Dunnigan, California (Pilot Travel Center, 24 plug-ins and 5 TRU connections); Lamar, Colorado (Ports to Plains Travel Plaza, 20 plug-ins); Parma, Michigan (Parma Travel Center, 24 plug-ins); Springer, New Mexico (Russell's Truck and Travel, 24 plug-ins and 4 TRU connections); Canton, Texas (Dukes Travel Plaza, 24 plug-ins and 5 TRU connections); Beaver, Utah (Eagle's Landing/Flying J, 24 plug-ins and 4 TRU connections); Evansville, Wyoming (Eastgate Travel Plaza, 24 plug-

ins); and Little America, Wyoming (Little America, 36 plug-ins and 5 TRU connections).

The new installations are part of the Shorepower Truck Electrification Project (STEP), a program supported by the U.S. Department of Energy (DOE) through the American Recovery and Reinvestment Act (ARRA). To see a list of all Shorepower sites, please go to <http://www.shorepower.com/network.html>.

TSE Unplugged: Electrification Project Falls Flat at a North Carolina Travel Plaza

CabAire (Enfield, Connecticut) has removed its truck stop electrification (TSE) pedestals from the Derrick Travel Plaza in Salisbury, North Carolina. According to local news source, *The Salisbury Post*, CabAire sent the Centralina Council of Governments (COG) a letter in early December claiming that the property owner, Worsley Operating Corporation, made

the TSE provider remove its equipment in preparation for a property sale to Love's Travel Stops.

When it opened in 2010, Derrick's TSE installation had been long awaited. After more than 5 years of multi-agency planning and coordination, the

travel plaza launched the CabAire TSE system, which provides heat, air conditioning, Internet, cable access, and electrical power to truck drivers during rest periods. The project cost was \$760,000, \$400,000 of which came from a Congestion Mitigation and Air Quality (CMAQ) grant obtained by the Centralina COG.

The terms of the agreement require at least 7 years of TSE service. Copies of contracts obtained by *The Salisbury Post* indicate that if the project is terminated within 3 years, the CMAQ grant must be repaid in full. According to the newspaper, the Centralina COG maintains that CabAire did not take

proper steps to save the project and has given CabAire until February 4 to reimburse the \$400,000 CMAQ grant it received.

The Derrick Travel Plaza is in Rowan County, which is in nonattainment for ground-level ozone. Much more information is available at <http://www.salisburypost.com/article/20130102/SP01/130109962/1014/SP0102> and <http://www.salisburypost.com/article/20121215/SP01/121219836/1023/m> [any-questions-few-answers-about-removed-truck-stop-towers](#).

RAILROADS

Alaska Railroad Reduces Idling with a Low-Tech Solution

Alaska Railroad's employee suggestion program has yielded a change that supports both fuel savings and improved air quality. Rather than idling inactive locomotives in a rail yard to keep the engines from freezing, the company now moves the locomotives indoors where the engines can be shut down without risk of freezing. According to the Alaska Railroad, the company saved nearly \$80,000 in fuel costs in the first 3 weeks alone.

The next phase of the project, according to David Greenhalgh, the railroad's Director of Crew Management and Transportation Services, will be to track

the positive environmental impact of producing fewer emissions. In 2009, the EPA determined that portions of the Fairbanks North Star Borough were in nonattainment for PM_{2.5}. Fairbanks is surrounded by hills on three sides, making it susceptible to temperature inversions, which can trap pollutants near the ground.

More information about the railroad's idling reduction project is available at https://www.alaskarailroad.com/Portals/6/pdf/pr/2012_11_27_Rls_Fbks_Emissions_PR.pdf.

OTHER NEWS OF INTEREST

Idle, or Stop and Restart? Argonne Studies the Impacts of Brief Passenger-Car Stops

As towns and cities—especially those in EPA National Ambient Air Quality Standards (NAAQS) nonattainment areas—seek ways to improve air quality,

officials have taken a harder look at emissions associated with drive-through businesses. Some have called for a ban on the construction of new drive-

through restaurants, or even reducing the number of existing drive-throughs. In response, a few business owners have claimed that the use of drive-throughs is actually “greener” than stopping, turning off the engine, and exiting the vehicle to enter the business, because it reduces the number of engine starts.

To tackle the question of how long one can idle in queue before the emissions and fuel-use impacts are greater than they are for restarting test this statement, Argonne National Laboratory investigators took measurements using a 2011 Ford Fusion and a dynamometer at Argonne’s Advanced Powertrain Research Facility. The measurements showed that for short stops—even those as brief as 10 seconds—turning off the engine saves fuel. The study also found that shutting down the engine reduces carbon dioxide emissions. The findings suggest that at temperatures around 70°F, a driver may park, shut down the vehicle engine, and conduct a transaction in a bank or fast-food restaurant without risk of the engine’s catalytic converter cooling to below operating, or “light-off,” temperature. (A cooled catalyst would allow for higher, cold-start emissions.) The study also found that idling is an inefficient way to warm up a car.

Dr. Linda Gaines, a member of the team, says that while the findings provide a sound, preliminary basis for minimizing environmental impact during brief passenger-car stops, additional work simulating other conditions (e.g., different ambient temperatures) is needed. Dr. Gaines also warns that while these findings demonstrate the fuel waste and emissions associated with even very brief episodes of passenger car idling, they should not be taken as guidance to turn off one’s engine in traffic jams. Because other drivers

expect that all drivers will respond immediately to traffic movement, shutting down the engine could lead to collisions.

To read the study, please go to http://www.transportation.anl.gov/engines/idling_publications.html and click on, “Which is Greener: Idle, or Stop and Restart? Comparing Fuel Use and Emissions for Short Passenger-Car Stops.” (Photo: Ford Fusion instrumented for study at Argonne’s Advanced Powertrain Research Facility. Courtesy of Argonne National Laboratory)



RECURRING FEATURES

Currently Available Idling Reduction Equipment

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For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

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The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	Massachusetts*	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

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- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (<http://us.bergstrominc.com/nite-calculate-savings/>)

- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/>)
- Energy Xtreme (<http://www.energyxtreme.net/resources/calculator>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do?sessionId=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)

- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?selectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

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How To Find Back Issues of *National Idling Reduction Network News*

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Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.



National Idling Reduction Network News

December 2012

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Alabama Department of Environmental Management	Diesel Emissions Reduction Grant Program	\$116,000	Rolling deadline until funds are awarded.	http://www.adem.alabama.gov/newsEvents/pressreleases/2012/DERAPublicServiceAnnouncement.pdf
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	http://www.adeq.state.ar.us/poa/sba/envloans.htm
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$18.7 million	Rolling deadline until funds are awarded.	http://www.californiahvip.org/
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/to-pics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	Not applicable	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Minnesota Pollution Control Agency (MPCA)	2012–13 Diesel Emissions Reduction Act (DERA) Grant Program	\$113,600	December 10, 2012	http://www.pca.state.mn.us/wfhy4c4
U.S. Navy	Request for information/Industry Day for the MTVR – Auxiliary Power Unit (APU)	Not applicable	December 12, 2012	https://www.fbo.gov/index?s=opportunity&mode=form&id=421d4acd6d1790bb91217f1828099112&tab=core&_cview=0
Indiana Department of Environmental Management	DieselWise Indiana	~\$800,000 for northern Indiana, ~\$220,000 for state	December 14, 2012	http://www.in.gov/idem/5255.htm
Mississippi Department of Environmental Quality	Mississippi Diesel Emissions Reduction Grant Program	Not available	December 19, 2012	http://www.deq.state.ms.us/MDEQ.nsf/pdf/Air_DERA201213Application/\$File/DERA%202012-13.pdf?OpenElement
Pennsylvania Department of Environmental Protection	Pennsylvania Clean Diesel Grant Program	\$177,611	December 19, 2012	http://www.paenvironmentdigest.com/newsletter/default.asp?NewsletterArticleID=23798
Texas Commission on Environmental Quality (TCEQ)	Emissions Reduction Incentive Grants (ERIG) Program	\$40 million	December 19, 2012 (extended)	http://www.tceq.texas.gov/airquality/terp
New York State Energy Research and Development Authority (NYSERDA)	New York State Clean Air School Bus Program, Round 3	~\$2.6 million	December 28, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx
Ohio EPA	Ohio Diesel Emissions Reduction Grant (DERG) Program	\$10 million	January 16, 2013	http://www.epa.state.oh.us/oeef/derg.aspx
North Carolina Division of Air Quality	2013 Mobile Source Emission Reduction Grant Program	\$759,666	January 18, 2013	http://daq.state.nc.us/motor/ms_grants/
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	March 1, 2013	http://www.epa.ohio.gov/oeef/schoolbus.aspx

REGULATORY NEWS

School Bus Companies Settle Illegal Idling Claims with U.S. EPA

Two school bus companies, Ocean State Transit and STA of Connecticut, subsidiaries of Student Transportation of America (STA), have agreed to settle U.S. EPA's claims of excessive idling in Connecticut and Rhode Island. Last year, EPA inspectors observed the companies' school buses idling for extended periods—in some cases, for more than 30 minutes—at a number of locations in Rhode Island and Connecticut. Rhode Island limits idling to 5 minutes, and Connecticut limits it to 3 minutes.

Under the settlement, the companies will pay a \$35,000 penalty and perform environmental projects valued at \$131,000. The parent company, STA, has agreed to implement a national training and management program to prevent excessive idling in STA's entire fleet of school buses. STA drivers, dispatchers, and managers will be trained to comply with state and local anti-idling regulations. Additionally,

STA supervisors will notify the school districts it serves of its anti-idling policy and monitor its own bus lots for excessive idling.

STA operates 7,500 buses in in Rhode Island, Connecticut, Maine, New Hampshire, Vermont, New Jersey, New York, Pennsylvania, South Carolina, Florida, Illinois, Wisconsin, Minnesota, Texas, Washington, and California. According to the EPA, by eliminating excessive idling, STA will reduce its fuel use by 135,000 gallons every year, avoiding the production of more than 3 million lb of carbon dioxide annually.

For more information, please see

<http://yosemite.epa.gov/opa/admpress.nsf/0/6dae636c241afb7085257ac2006c0929?OpenDocument>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Anna Local Schools (Shelby County, Ohio)	Ohio EPA	Purchase and installation of diesel oxidation catalysts (DOCs) and anti-idling equipment for 7 buses, and idling reduction technology for 7 additional buses	\$42,539
East Holmes Local Schools (Holmes County, Ohio)	Ohio EPA	Purchase and installation of DOCs and anti-idling equipment for 11 buses and idling reduction technology for an additional 6 buses	\$55,669
Greenville City Schools (Darke County, Ohio)	Ohio EPA	Purchase and installation of DOCs and anti-idling equipment for 7 buses, DOCs on 6 buses, and idling reduction technology for an additional 12 buses	\$63,653
Marion City School District (Marion County, Ohio)	Ohio EPA	Purchase and installation of DOCs for 17 buses and idle reduction technology for 2 buses	\$31,305

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RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Sylvania City Schools (Lucas County, Ohio)	Ohio EPA	Purchase and installation of DOCs and anti-idling equipment for 8 buses and idling reduction technology for an additional 8 buses	\$54,648

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Environmental Defense Fund	Review of Texas' Clean School Bus Programs: How Far Have We Come and What Is Still Left To Do?	http://www.edf.org/sites/default/files/cleanbuses_13_screen.pdf
EPA	FY 2012 National Clean Diesel Funding Assistance Program Grantee Webinar	http://www.epa.gov/otaq/diesel/documents/fy12-dera-grantee-webinar.pdf
Government Fleet	How-To Video for Benchmarking: Graphing Vehicle Idle Time	http://www.government-fleet.com/channel/maintenance/video/detail/2012/11/how-to-video-for-benchmarking-graphing-vehicle-idle-time.aspx?ref=eNews-Monday-20121112&utm_source=Email&utm_medium=Enewsletter
Northeast Diesel Collaborative	Best Practices for Clean Diesel Construction: Successful Implementation of Equipment Specifications To Minimize Diesel Pollution	http://northeastdiesel.org/pdf/BestPractices4CleanDieselConstructionAug2012.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Truck Parking Issues and Opportunities, Hosted by the Trucking Industry Mobility & Technology Coalition (TIMTC) and the U.S. Department of Transportation (DOT)	Webinar	December 6, 2012	www.freightmobility.com
Idle Free Fleets Conference, Hosted by Utah Clean Cities and Rio Tinto's Kennecott Utah Copper	West Valley City, Utah	January 15, 2013	http://utahcleancities.org/calendar/jan-15-2013/idle-free-fleets-conference
Society of Automotive Engineers (SAE) Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
2013 Mid-America Trucking Show	Louisville, Kentucky	March 21–23, 2013	http://www.truckingshow.com/
Energy Independence Summit 2013	Washington, D.C.	April 8–10, 2013	http://www.transportationenergypartners.org/events/eis2013
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	http://www.actexpo.com/index.html

MANUFACTURERS' NEWS

An Idling Reduction System To Take to War

Energy Xtreme has developed a mobile energy management system (MEMS) for U.S. military vehicles and generators. With 4 kilowatt-hours of integrated energy storage, the Stealth Power 4 (SP4) MEMS can power communication and weapon systems for a variety of military vehicles.

The Army Expeditionary Warrior Experiment (AEWE), Spiral G, conducted by the U.S. Army Test and Evaluation Command, found that the SP4 MEMS decreased tactical vehicle idle time by up to 12 hours and reduced generator fuel consumption by up to 69%. The corresponding fuel savings is about 1,000 gallons of fuel annually for a single generator. With the cost of “in-theater fuel” estimated to be between \$50 and \$500 per gallon, the equivalent annual savings would be \$50,000 to \$500,000 per generator.

The SP4 also has no-to-low thermal and acoustic signatures, enhancing silent-watch capabilities and personnel safety.

AEWE is an experimental venue by which the military works with technology developers to test the on-the-ground viability of emerging technologies. At the most-recent AEWE, conducted at Fort Benning, Georgia, the SP4 MEMS received “Most Promising Solution” status and a “Take to War” designation. For more information, please see <http://www.energyxtreme.net/blog/2012/11/aeve-identifies-energy-xtreme-stealth-power-as-a-take-to-war-technology/> and <http://www.benning.army.mil/mcoe/cdid/aeve/>.

Thermo King TriPac Production Reaches 100,000 Units

Ingersoll Rand’s Thermo King division recently produced its 100,000th TriPac APU at its plant in Hastings, Nebraska. The company first introduced the TriPac in 2005. According to Thermo King, the TriPac has a typical payback of 13–24 months. For more information, please see

http://fleetequipmentmag.com/item/107100/thermo_king_produces_100000th_tripac_auxiliary_power_unit.aspx and <http://fleetowner.com/running-green/100000th-tripac-unit-produced>.

EDUCATION, OUTREACH, AND CAMPAIGNS

Breathing Easy in Arlington Heights, Illinois

The Village of Arlington Heights, Illinois, home of the Arlington International Race Course, has launched a kinder, gentler idle-free campaign. Early this year, the village's Environmental Commission proposed to the village Board the implementation of an educational campaign to reduce vehicle idling. The village, which promotes "green" policies and services as part of its mission, accepted the proposal.

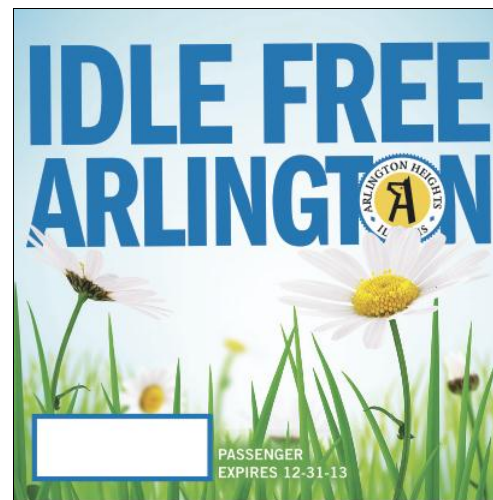
Officials decided early that they wanted a positive and encouraging campaign rather than one based on a "no" message. Key campaign elements include a website, brochure, and signs installed near schools, train stations, and parks in partnership with the schools or agencies responsible for the property.

Arlington Heights' Community Relations Coordinator Nancy Kluz believes that the village's request to partner with entities to install signs contributed significantly to the campaign's success. The village reached out to a number of governmental agencies and public schools, all of which mounted signs and shared costs. Additionally, some private businesses requested signs and window posters. (In these cases, the village provided electronic files for the artwork, and the businesses paid for production and installation.)

Arlington Heights has promoted its idle-free message through a variety of means, including on water bills and through its on-hold phone system, kiosk posters, and a session at its "Living Green" series at its public library. This fall, the village hosted a community bike ride, "Pedal Hard, Breathe Easy," for which participants received an Idle Free Arlington backpack. The

message will continue to be front and center in 2013 with the village's vehicle sticker, which incorporates the idle-free message.

According to Ms. Kluz, community response to the campaign has been positive. While a few residents have voiced their displeasure with the idle-free message—one said that he will cut off the idle-free message part of his vehicle sticker—village officials believe that the campaign's "soft," educational approach has promoted acceptance. More information about Arlington Heights' campaign is available at http://www.vah.com/residents/green/idle_free.aspx. (Image courtesy of the Village of Arlington Heights, Illinois.)



PORTS

California Ports Release Shore Power Regulations

Beginning on January 1, 2014, container ships, reefer vessels, and cruise ships must shut down their auxiliary engines while in port and plug into the electrical grid. The state is phasing in regulations between 2014 and 2020 and beyond. The regulations prescribe the percentage of the fleet required to plug in for each fleet's visit to California ports and require that if a ship is equipped for shore power and a shore power-ready berth is available, the ship must plug in. California ports will be constructing the landside

infrastructure, at a cost of \$65 million just for the Port of Long Beach for container berths. Shipping lines pay for modifications to their ships.

Penalties for noncompliance will range from \$1,000 to \$75,000 per violation, and a shipping line could incur multiple violations over the course of one ship's visit. More information is available at www.polb.com/civica/filebank/blobdload.asp?BlobID=10587.

OTHER NEWS OF INTEREST

ACR Approves Carbon Offset Methodology for TSE

The American Carbon Registry (ACR) has announced the approval of a carbon offset methodology to quantify emission reductions achieved through the use of truck stop electrification (TSE) for long-haul trucks. Developed jointly by ACR and TSE provider IdleAir, and approved through ACR's public consultation and scientific peer-review process, the methodology provides the opportunity to tap the carbon market to accelerate the reduction of long-haul trucking emissions.

TSE systems eligible under this methodology must use grid-connected electrical power and operate with the truck's main (diesel) engine off.

Baseline emissions from diesel idling are calculated using CARB emission factors. Emissions from electricity generation are calculated using EPA's Emissions and Generation Resource Integrated Database (eGRID) factors.

Ethan Garber, President and CEO of IdleAir, said that the carbon offset methodology "opens the door for us to harness the environmental benefits of TSE to help fund the expansion of our network." More information is available at <http://americancarbonregistry.org/carbon-accounting/carbon-accounting/ghg-emissions-reductions-through-truck-stop-electrification>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. We are not aware of any states that have increased the weight allowance to 550 lb. If you have information about planned or enacted changes, please

send a message to idlingreduction@anl.gov so that we may share the news with our readers.]

The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	<i>Massachusetts*</i>	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

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(<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
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All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

October 2012

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
San Diego County Air Pollution Control District (SDAPCD)	Carl Moyer Program	\$2.2 million	First come, first served.	http://www.sdapcd.org/homepage/grants/grants.html
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	N/A	http://www.adeq.state.ar.us/poa/sba/envloans.htm
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$18.7 million	N/A	http://www.californiahvip.org/
Wisconsin Department of Natural Resources	Wisconsin Clean Diesel Grant Program	~\$193,000	November 9, 2012	http://dnr.wi.gov/Aid/CleanDiesel.html
Kentucky Department for Environmental Protection, Division for Air Quality	Kentucky Clean Diesel Program	\$135,000	November 14, 2012	http://air.ky.gov/Pages/KentuckyCleanDieselGrantProgram.aspx
Oklahoma Department of Environmental Quality	Oklahoma Clean Diesel Program	\$294,051	November 15, 2012	http://www.deq.state.ok.us/AQDnew/cleandiesel/dera7.html
U.S. EPA	Environmental Education Regional Grants Program	~\$2.16 million	November 21, 2012	http://www.epa.gov/education/grants/index.html
Texas Commission on Environmental Quality (TCEQ)	Emissions Reduction Incentive Grants (ERIG) Program	\$40 million	November 30, 2012	http://www.tceq.texas.gov/airquality/terp
Michigan Department of Environmental Quality	Michigan Clean Diesel Grant Program	~ \$200,000	December 3, 2012	http://www.michigan.gov/documents/deq/deq-oea-micdi-dera-rfp_363514_7.pdf
Indiana Department of Environmental Management	DieselWise Indiana	~\$800,000 for northern Indiana, ~\$220,000 for state	December 14, 2012	http://www.in.gov/idem/5255.htm
Mississippi Department of Environmental Quality	Mississippi Diesel Emissions Reduction Grant Program	N/A	December 19, 2012	http://www.deq.state.ms.us/MDEQ.nsf/pdf/Air_DERA201213Application/\$File/DERA%202012-13.pdf?OpenElement
Pennsylvania Department of Environmental Protection (DEP)	Pennsylvania Clean Diesel Grant Program	\$177,611	December 19, 2012	http://www.paenvironmentdigest.com/newsletter/default.asp?NewsletterArticleID=23798

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
New York State Energy Research and Development Authority (NYSERDA)	New York State Clean Air School Bus Program, Round 3	~\$2.6 million	December 28, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx
U.S. EPA	2013 Environmental Justice Small Grants	\$1.5 million	January 7, 2013	http://www.epa.gov/environmentaljustice/grants/ej-smgrants.html

REGULATORY NEWS

Fort Worth Joins Texas Communities Restricting Idling

The City of Fort Worth, Texas, has joined 27 of its neighbors in the enforcement of the Texas Commission on Environmental Quality's (TCEQ) idling restriction. The rule, which is in effect year round, sets a 5-minute limit on idling of gasoline- or diesel-powered vehicles with a gross vehicle weight rating of 14,000+ pounds.

The TCEQ idling rule includes a number of exemptions, including trucks with "low NOx" engines (a 2008 or newer engine certified to emit no more than 30 grams of nitrogen oxides per hour). The rule also exempts trucks that are idling to provide heat or air conditioning for drivers during federally

mandated rest periods, if the truck is not within 2 miles of a facility offering off-board HVAC connections.

The goal of TCEQ's idling rule is to improve air quality in Dallas and throughout the nine-county ozone nonattainment region. For more information, please go to <http://www.nctcog.org/trans/air/programs/idling/index.asp>. The link [http://info.sos.state.tx.us/pls/pub/readtac\\$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=114&sch=J&div=2&rl=Y](http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=114&sch=J&div=2&rl=Y) contains the text of the law.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
American Lung Association	EPA Clean Diesel National Funding Assistance Program	Retrofit of 48 school buses with diesel particulate filters, retrofit of 7 locomotives with idling reduction devices, and the repower of 1 switcher locomotive (in Illinois, Indiana, and Michigan)	\$1.2 million
Colorado Department of Public Health and Environment	EPA Clean Diesel National Funding Assistance Program	Retrofit of approximately 186 diesel school buses with diesel oxidation catalysts, crankcase filtration systems, and fuel-operated heaters	\$700,000

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Leonardo Academy	EPA Clean Diesel National Funding Assistance Program	Repower of 4 diesel engines, replacement of 23 vehicles with alternatively fueled options, and retrofit of 23 vehicles with diesel particulate filters and heaters (in Illinois, Indiana, Michigan, and Minnesota)	\$1.6 million
New Mexico—City of Albuquerque, Department of Aviation	EPA Clean Diesel National Funding Assistance Program	Replacement of 17 belt loaders and 23 baggage tractors with electric ground support equipment	\$600,697
South Carolina Department of Health and Environment	EPA Clean Diesel National Funding Assistance Program	Diesel emissions reduction projects, including the installation of 30 truck stop electrification (TSE) spaces	\$2.07 million

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Public Workshop To Discuss Proposed Updates to Proposition 1B: Goods Movement Emission Reduction Program Guidelines	Sacramento, California—November 6, 2012 (also webcast) Long Beach, California—November 7, 2012 Fresno, California—November 8, 2012		http://www.arb.ca.gov/bonds/gmbond/gmbond.htm
CARB 520: How To Comply with CARB Diesel Regulations	Sacramento, California	November 8, 2012	http://www.arb.ca.gov/training/courses.php?course=520
Society of Automotive Engineers (SAE) Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
2013 Mid-America Trucking Show	Louisville, Kentucky	March 21–23, 2013	http://www.truckingshow.com/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	http://www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	http://www.actexpo.com/index.html

ELECTRIFIED PARKING SPACES

Shorepower: New Site, Free Adaptor Kits, and Free Service

White's Travel Center in Raphine, Virginia, is the latest truck stop to be equipped with Shorepower electrification pedestals. According to travel center owner Mr. Bobby Berkstresser, full use of the power pedestals for the heating alone of drivers' cabs/sleepers would reduce fuel consumption by nearly 54,000 gallons annually.

The installation at White's Travel Center also provides 480-volt power for diesel-electric hybrid refrigerated trailers ("reefers"). Thirteen other Shorepower sites—in Alabama, Arizona, California, Colorado, Kansas, Maine, Missouri, New Mexico, North Carolina, South Carolina, Texas, and

Utah—currently provide reefer service as well. Of the 50 slated Shorepower Truck Electrification Project (STEP) sites, 31 will provide 480-volt service.

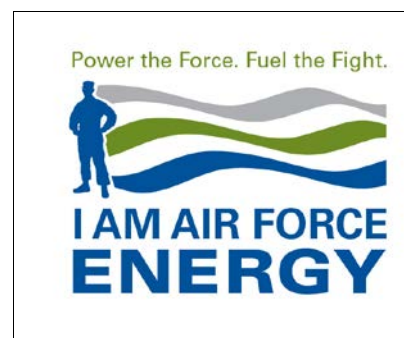
White's Travel Center is the 29th U.S. truck stop to install TSE equipment through STEP, a project funded by the U.S. Department of Energy (DOE) and administered by Cascade Sierra Solutions. Shorepower is offering free adaptor kits and free service at participating locations through January 31, 2013. Those interested should call (888) 841-3137. For more information, please see <http://www.the-step-project.org/>.

EDUCATION, OUTREACH, AND CAMPAIGNS

USAF's Energy Campaign Encourages Idling Reduction

In September 2012, the U.S. Air Force (USAF) announced a new campaign, "I Am Air Force Energy." The proclamation signed by the USAF's Secretary, Chief of Staff, and Chief Master Sergeant states, "As energy consumers, we can impact the Air Force's fuel and electricity use every day—by flying our aircraft at energy efficient altitudes, not letting vehicles or equipment idle, or simply turning off the lights." It says that while energy spending will consume a significant portion of the USAF budget—\$10 billion, or almost 10%—the issues extend beyond the financial: "There are also mission support risks associated with dependence on foreign sources of energy and unnecessary energy consumption."

"I Am Air Force Energy" is an initiative of the Air Force Energy Program. For more information about USAF's energy initiatives, please go to



<http://www.af.mil/energyinitiatives/index.asp>. The text of the USAF proclamation is available at <http://www.af.mil/shared/media/document/AFD-121001-014.pdf>. (Image courtesy of the U.S. Air Force.)

OTHER NEWS OF INTEREST

Idle Threat: The Movie

If you haven't heard about George Pakenham, New York City's anti-idling crusader, since the June 2009 *New Yorker* write-up (http://www.newyorker.com/talk/2009/05/18/090518ta_talk_mcgrath), it's because he's been busy making a movie. About idling.

Idle Threat, which premiered at the Woodstock Film Festival on October 11, documents the Verdant Vigilante's quest to reduce vehicle idling in the nation's largest city. By his own account, Mr. Pakenham has approached and engaged about 3,000 idling drivers. He starts with, "Excuse me for bothering you, but are you aware that it's against the law to idle your car engine for more than 3 minutes?" He then tells the driver about New York City's idling law and offers a card documenting the law and fines. In about 5 years of idle encounters, Mr. Pakenham says that he's been on the receiving end of "the F bomb" only about a half-dozen times.

Mr. Pakenham, who works as a Wall Street banker, says an idling stretch limo near his residence catalyzed his interest in the problem. He began approaching idlers, but only when an apparent limo driver who was actually an undercover police officer told him that there was a *law* against idling did he realize he'd become an inadvertent vigilante law enforcer. When Mr. Pakenham researched the law and fine structure—New York City limits idling to 3 minutes (and, since 2009, only 1 minute in school zones)—he learned that the law is rarely enforced. Mr. Pakenham advocates for both driver awareness and greater enforcement of the idling law.



Meira Blaustein, Woodstock Film Festival Executive Director, chose *Idle Threat* as one of five of this year's "don't miss" festival films. For more information, including a link to the *Idle Threat* trailer, please go to <http://www.idlethreatmovie.com/>. (Photo: Courtesy of George Pakenham.)

EPA To Update Guidance on SmartWay Partners' Data Collection

In response to the EPA's Office of the Inspector General's (OIG) report, *EPA Could Improve the SmartWay Transport Partnership Program by Implementing a Direct Data Verification Process*, the EPA's Office of Air and Radiation is developing an initiative to better ensure the validity of self-reported partner data. The five-step process will be in place by the end of 2013.

In its report, the OIG noted that while the agency's Office of Transportation and Air Quality (OTAQ) performs some checks on data submitted by

SmartWay participants, these data are not independently verified. The OIG recommended that the agency implement measures to verify the accuracy of the self-reported data to protect the integrity of the SmartWay program.

SmartWay is a voluntary program to improve fuel efficiency and reduce environmental impacts attributable to freight transport. The program seeks to provide clear, reliable information on technologies that promote fuel efficiency and incentives to adopt them. The EPA OIG report is available at <http://www.epa.gov/oig/reports/2012/20120830-12-P-0747.pdf>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. We are not aware of any states that have increased the weight allowance to 550 lb. If you have information about planned or enacted changes, please

send a message to idlingreduction@anl.gov so that we may share the news with our readers.]

The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	<i>Massachusetts*</i>	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at <http://atri-online.org/2012/07/20/idling-regulations-compendium/> and <http://www.afdc.energy.gov/laws/matrix/tech>.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at <http://www.afdc.energy.gov/laws/>. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmidatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4),

<http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (<http://us.bergstrominc.com/nite-calculate-savings/>)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/>)
- Energy Xtreme (<http://www.energyxtreme.net/resources/calculator>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 23 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at <http://www.afdc.energy.gov/afdc/locator/tse>. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel

Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to <http://www.afdc.energy.gov/afdc/locator/tse/>.

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National Idling Reduction Network News

September 2012

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Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	http://www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	N/A	http://www.adeq.state.ar.us/poa/sba/envloans.htm

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
New York State Energy Research and Development Authority (NYSERDA)	Integrating Mobility Strategies for a Sustainable Multi-Modal Transportation Network	\$1.5 million	October 10, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2618-Integrating-Mobility-Strategies-for-a-Sustainable-Multi-Modal-Transportation-Network.aspx
San Joaquin Valley Air Pollution Control District	Technology Advancement Program (TAP) Demonstration Projects	~\$4 million	October 18, 2012	http://www.valleyair.org/Grant_Programs/TAP/tap_idx.htm
Wisconsin Department of Natural Resources	Wisconsin Clean Diesel Grant Program	~\$193,000	November 9, 2012	http://dnr.wi.gov/Aid/CleanDiesel.html
U.S. Environmental Protection Agency (EPA)	Environmental Education Regional Grants Program	~\$2.16 million	November 21, 2012	http://www.epa.gov/education/grants/index.html
Texas Commission on Environmental Quality (TCEQ)	Emissions Reduction Incentive Grants (ERIG) Program	\$40 million	November 30, 2012	http://www.tceq.texas.gov/airquality/terp
NYSERDA	New York State Clean Air School Bus Program, Round 3	~\$2.6 million	December 28, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$18.7 million	N/A	http://www.californiahvip.org/

EPA's NCDC To Launch Rebate Program—2012 Pilot for School Bus Replacements Only

Later this fall, the EPA's National Clean Diesel Campaign (NCDC) will launch its first-ever rebate program. The NCDC is funded by the Diesel Emissions Reduction Act, which Congress reauthorized for another 5 years in early 2011. The 2012 rebate program pilot, for which \$2 million is expected to be available, will focus on the replacement of older school buses.

In previous years, a more robustly funded NCDC program supported solicitations covering a broader array of emissions-reduction projects, including those related to idling reduction. For more information, please see <http://epa.gov/cleandiesel/dera-rebate.htm>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
City of Olathe, Kansas	The Mid-America Regional Council	Purchase and installation of idle reduction technology for city fleet vehicles	\$277,702
Chicago, Ft. Wayne & Eastern Railroad (Allen County, Ohio)	Ohio EPA	Repower of a 1970-era switcher locomotive engine with 3 smaller engines (gen-sets)	\$1,468,558
Cleveland Clinic (Cuyahoga County, Ohio)	Ohio EPA	Purchase and installation of fuel-operated heaters for idle reduction on 16 shuttle buses and 4 delivery trucks	\$76,720
Columbus and Ohio River Railroad Company (Coshocton, Franklin, Knox, and Licking Counties, Ohio)	Ohio EPA	Purchase and installation of APUs on 11 locomotives to reduce idling	\$263,352
Convoy Solutions, LLC (IdleAir) (Allen, Warren, and Wood Counties, Ohio)	Ohio EPA	Installation of 114 electrified truck parking spaces at 3 Pilot/Flying J locations along I-75 and I-80	\$888,495
Indiana & Ohio Railway Company (Hamilton County, Ohio)	Ohio EPA	Repower of a 1970-era switcher locomotive engine with 3 smaller engines (gen-sets)	\$1,468,558
Greater Baton Rouge Clean Cities Coalition	Louisiana Department of Environmental Quality	Development of a truck stop electrification (TSE) site in Greenwood, Louisiana	\$206,633
Lyon County School District (Yerington, Nevada)	Nevada Department of Conservation and Natural Resources, Division of Environmental Protection	Purchase of engine preheaters for school buses	\$11,500

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	At-Berth Regulation	http://www.arb.ca.gov/ports/shorepower/meetings/10032012/presentation.pdf
Federal Highway Administration (FHWA)	The Congestion Mitigation and Air Quality Improvement (CMAQ) Program: Changes Under MAP-21	http://www.fhwa.dot.gov/map21/docs/13sep_cmaq.pdf

SOURCE	TITLE	WEBSITE OR CONTACT
National Renewable Energy Laboratory (NREL)	Coca-Cola Refreshments Class 8 Diesel Electric Hybrid Tractor Evaluation: 13-Month Final Report	http://www.nrel.gov/docs/fy12osti/53502.pdf
Truth About Trucking	Idling Alternatives for the Trucking Industry [recorded radio program]	http://www.blogtalkradio.com/truthabouttrucking/2012/08/30/idling-alternatives-for-the-trucking-industry

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Public Meeting To Discuss the Implementation of the Airborne Toxic Control Measure for Auxiliary Diesel Engines Operated on Ocean-Going Vessels at Berth in California Ports	Oakland, California	October 9, 2012	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Dearborn, Michigan	October 16–19, 2012	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Green Transportation Conference II (GTCII)	Portland, Oregon	October 24, 2012	http://www.roguevalleycleancities.org/images/events.html/GTCIIFlyer.pdf
Transportation Research Board (TRB) 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx
Society of Automotive Engineers (SAE) Government/ Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
2013 Mid-America Trucking Show	Louisville, Kentucky	March 21–23, 2013	http://www.truckingshow.com/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	http://www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	http://www.actexpo.com/index.html

MANUFACTURERS' NEWS

Vanner's IdleWatch Helps Keep Wheeled Coach Ambulance Cool and Charged

Vanner, Inc. (Hilliard, Ohio), provider of power-conversion and related products for fleet vehicles, has announced that its IdleWatch technology has been incorporated into the 2012 Wheeled Coach–Crusader Plus, an ambulance that features standby cooling for the driver cab.

The Crusader Plus's cooling unit is manufactured by Sun Power Technologies (Whitestown, Indiana). Mounted behind the attendant's seat, the device pumps cold air to a vented console installed between the driver and passenger seats. Vanner's IdleWatch monitors the auxiliary batteries' state of charge. When the state of charge drops to 50%, the IdleWatch automatically starts the engine to ensure uninterrupted air conditioning for the cab.

For more information, please see <http://www.vanner.com/wheeled-coach-industries-cool-type-ii-ambulance/>. Details about the IdleWatch technology are available at <http://www.vanner.com/markets/work-truck/>. (Photo: Sun Power Technologies' air handler provides cab cooling in the 2012 Wheeled Coach–Crusader Plus. The oval button on the console is the Vanner IdleWatch remote panel. Photo courtesy of Vanner, Inc.)



Energy Xtreme on GSA Schedule, Wins Gold Stevie Award

Energy Xtreme's Independence Package, which provides engine-off power for vehicles with high electrical demand, is now available on GSA schedule GS-07F-0149T through MaxaVision Technologies. The Independence Package powers vehicles' lights, cameras, computers, communications equipment, power tools, and hydraulic systems. For more about Energy Xtreme's products, please see <http://www.energyxtreme.net/>. Information about MaxaVision Technologies is available at <http://www.maxavision.net/joomla/>.

On September 17, Energy Xtreme's Independence Package received a Gold Stevie Award, in the Best New Product or Service – Business to Business category, at the 10th annual American Business Awards in San Francisco. The Stevie Awards honor exemplary products and services and the businesses behind them. For more information, please see http://www.stevieawards.com/pubs/awards/403_2654_21626.cfm.

OTHER NEWS OF INTEREST

New York MTA: Fuel Costs for Illegal Idling Likely Top \$800,000 Annually

An investigation by New York's Metropolitan Transportation Authority's (MTA) Office of the Inspector General (OIG) concluded that two railroads' highway vehicles idle illegally for a combined total of more than 20,000 hours each month. In a report released in September, *Excessive Idling of Highway Vehicles at LIRR [Long Island Railroad] and MNR [Metro-North Railroad]*, the MTA OIG concluded that the fuel costs associated with illegal idling likely add up to more than \$800,000 annually. The MTA OIG based its analysis primarily on automatic vehicle location monitoring (AVLM) data from devices on the vehicles and supplemented that information with observational data.

Both railroads use highway fleet vehicles to transport workers and equipment to job sites. The LIRR data showed that its 586 fleet vehicles idled illegally for 12,600+ hours in January 2012, consuming 13,000+ gallons of fuel. The cost of fuel consumed during illegal idling was calculated to be \$40,000, or 20% of the fleet's fuel costs for the month. The OIG concluded that the LIRR's total cost of illegal idling likely exceeds \$500,000 annually.

The MNR has 48 devices installed on 603 of its highway vehicles. Based on observation of facility parking areas and analysis of data from February 1, 2012, to April 30, 2012, the MTA OIG concluded that MNR highway vehicles idled illegally for an average of 8,000 hours per month over the study period. Idling fuel losses were determined to be 7,000+ gallons per month at a cost of \$25,000+, or 14% of MNR's fleet monthly fuel costs. According to the OIG, the cost of fuel consumed by MNR highway vehicles idling illegally could exceed \$300,000 annually.

The OIG recommended that the LIRR and MNR revise their vehicle policies and procedures, educate their managers and employees, and impose appropriate discipline for illegal idling. In their responses to the report, both railroads stated that they have begun to take action to reduce idling.

New York state law specifies that vehicles weighing more than 8,500 lb may not idle for more than 5 minutes, with some exceptions. For more information, please see <http://mtaig.state.ny.us/assets/pdf/12-06.pdf>.

Fairpoint Communications Reduces Idling by More Than 42%

After deploying GPS technology in its fleet vehicles in 2010, managers at FairPoint Communications in northern New England garnered some unexpected data. They found that in the first quarter of 2011, each vehicle consumed an average of 80 gallons of fuel while idling. With a fleet of approximately 1,340 vehicles, the company spent about \$412,000 that quarter on idling. FairPoint saw an opportunity to reduce idling time.

With assistance from the American Lung Association's Vermont Idle-Free Fleets program, FairPoint held presentations at company garages about the

benefits of reducing idling. Jay Mullen, FairPoint's Vermont Operations Manager, said, "Our approach was to talk about idling from many perspectives—cost, environment, and health benefits. I think our best approach was explaining the *why*. That seemed to bring everyone onto the same page."

Fleet data from the first quarter of 2012 revealed that the fuel used for idling fell to an average of 51 gallons per vehicle during the 3-month period, for a 42% reduction. With about 1,250 vehicles in service during the

first quarter of 2012, the company's "idled fuel" cost fell from \$412,000 to \$244,000.

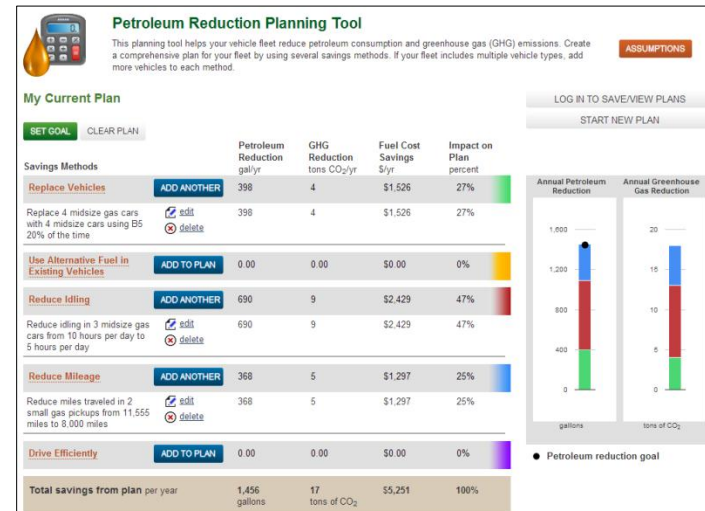
FairPoint plans to reduce idling further. For more information, please see <http://www.prnewswire.com/news-releases/fairpoint-saves-big-with-anti->

<http://www.idlefreevt.org/business.html> and scroll down to Idle-Free for Fleet\$.

AFDC Launches New Petroleum Reduction Planning Tool

The Alternative Fuels Data Center (AFDC) has launched a new planning tool to help fleet managers set annual goals for petroleum reduction and greenhouse gas (GHG) emissions, as well as evaluate strategies for achieving them. The new calculator allows input on a variety of approaches, including: replacing vehicles; using alternative fuel in existing vehicles; reducing idling; reducing miles driven; and adopting fuel-efficient driving behaviors. Using this input, the tool calculates estimated fuel savings in gallons and dollars, as well as reductions in GHG emissions. It also shows the relative contribution of each approach selected. Users may create and save multiple plans.

To access the AFDC's new petroleum reduction planning tool, please go to <http://www.afdc.energy.gov/prep/>. (Photo: Courtesy of AFDC)



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The AFDC of the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. The transportation bill that goes into law on October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21), increases the weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. We are not aware of any states that have explicitly increased the weight allowance to 550 lb. If you have information

about planned or enacted changes, please send a message to idlingreduction@anl.gov so that we may share the news with our readers.] The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	<i>Massachusetts*</i>	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at <http://atri-online.org/2012/07/20/idling-regulations-compendium/> and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at <http://www.afdc.energy.gov/laws/>. Let us

know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see

<http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota),

<http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>)—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (<http://us.bergstrominc.com/nite-calculate-savings/>)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- Energy Xtreme (<http://www.energyxtreme.net/resources/calculator>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently

available in at least 23 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at <http://www.afdc.energy.gov/afdc/locator/tse>. Another resource is the EPA

SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and

pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that Web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

August 2012

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$50,000 (as of August 22, 2012)	First come, first served, but no later than September 30, 2012.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	N/A	http://www.adeq.state.ar.us/poa/sba/envloans.htm
North Carolina Department of Environment and Natural Resources, Division of Air Quality	2012 Diesel Emission Reduction Grant Program	\$242,000	September 10, 2012	http://daq.state.nc.us/motor/DERG/
Connecticut Department of Energy and Environmental Protection	Clean Diesel Program	~\$130,000	September 19, 2012	http://www.ct.gov/dep/cwp/view.asp?A=2684&Q=322100
Pennsylvania Department of Environmental Protection	Small Business Advantage Grant Program	N/A	September 26, 2012	http://www.portal.state.pa.us/portal/server.pt/community/small_business_ombudsman/10493#AGP
U.S. Environmental Protection Agency (EPA)	Environmental Education Regional Grants Program	~\$2.16 million	November 21, 2012	http://www.epa.gov/education/grants/index.html
New York State Energy Research and Development Authority (NYSERDA)	New York State Clean Air School Bus Program, Round 3	~\$2.6 million	December 28, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
EPA and National Highway Traffic Safety Administration (NHTSA)	EPA/NHTSA Final Rulemaking To Establish 2017 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions and Corporate Average Fuel Economy Standards	http://www.epa.gov/otaq/climate/regs-light-duty.htm
Federal Transit Administration, Department of Transportation (DOT)	Transit Investments for Greenhouse Gas and Energy Reduction Program: First Assessment Report	http://fta.dot.gov/documents/FTA_Report_No._0016.pdf
Washington State Department of Transportation	Using CMAQ Funds in Washington State To Replace Drayage Trucks, Electrify Truck Parking, and Streamline Port Traffic	http://westcoastcollaborative.org/files/meetings/2012-08-14/WA%20State%20DOT%20and%20CMAQ%20081412.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	http://www.regonline.com/builder/site/default.aspx?EventID=998283
CARB Diesel Vehicle Regulation Overview	Riverside, California	September 13, 2012	http://www.arb.ca.gov/training/courses.php?course=512
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 18–20, 2012	http://htuf2012.org/
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx
Society of Automotive Engineers (SAE) 2012 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 2–3, 2012	http://www.sae.org/events/cve/
Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Dearborn, Michigan	October 16–19, 2012	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Transportation Research Board (TRB) 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	http://www.actexpo.com/index.html

ELECTRIFIED PARKING SPACES

New California STEP Site Serves Refrigerated Trucks

On August 9, the Flying J Travel Plaza in Lodi, California, hosted a grand opening for its new Shorepower Truck Electrification Project (STEP) installation. With 36 bays, the Lodi site is one of the first truck stop electrification (TSE) locations in the U.S. to offer high-voltage service for

electric-hybrid trailer refrigeration units (eTRUs). (Refrigerated trucks require higher-voltage connections than do trucks requiring power for “hotel” needs only). Additional eTRU-compatible STEP sites are planned.

The goal of STEP, which is funded by the American Recovery and Reinvestment Act (ARRA) and administered by Cascade Sierra Solutions in partnership with Shorepower Technologies, is to create a network of electrified corridors for over-the-road trucks so that drivers have reliable access to electrified parking spaces. While some produce distribution centers have installed standby electrification systems for trucks, service for eTRUs on public freight corridors is just becoming available.

When STEP is complete, power pedestals will be available at 50 truck stops on 10 interstate freight corridors. Although Cascade Sierra Solutions had been issuing STEP rebates to help vehicles owners purchase shore-power compatible devices for their trucks, they have all been claimed, according to marketing manager David Orton.

To see a map of STEP locations, please click on <http://www.the-step-project.org/program-progress/truck-stop-locations/>. For more information about eTRUs, please go to <http://www.shorepower.com/etru.html>. (Photo: Tom Howard, Transportation Systems Managers for Veritable Vegetable, headquartered in San Francisco, California, plugs in for the grand opening of TSE service at the Flying J Travel Plaza. Photo courtesy of Cascade Sierra Solutions)



IdleAir: Growth Financing and New Locations

IdleAir, a provider of stand-alone (single-system) TSE, has announced the completion of a \$7 million round of growth financing through Sea Port Group Securities. Since IdleAir was purchased by Convoy Solutions and relaunched in 2010, Sea Port has helped raise more than \$15 million for IdleAir's growth.

IdleAir has recently opened some new sites, including installations at the Flying J in Milton, Pennsylvania, and the Flying J in El Paso, Texas. Now operating 30 locations in 12 states, the company has 1,600 electrified

parking spaces at franchises such as Pilot, Flying J, Love's, Sapp Brothers, and TravelCenters of America (TA). According to IdleAir, customer-use hours are up 56% and fleet usage is up 120% from July 2011 to July 2012. The company states that since the 2010 relaunch, it has helped helped drivers and fleets save more than 1.5 million gallons of diesel fuel.

More information about IdleAir's activities can be found at <http://www.idleair.com>.

EDUCATION, OUTREACH, AND CAMPAIGNS

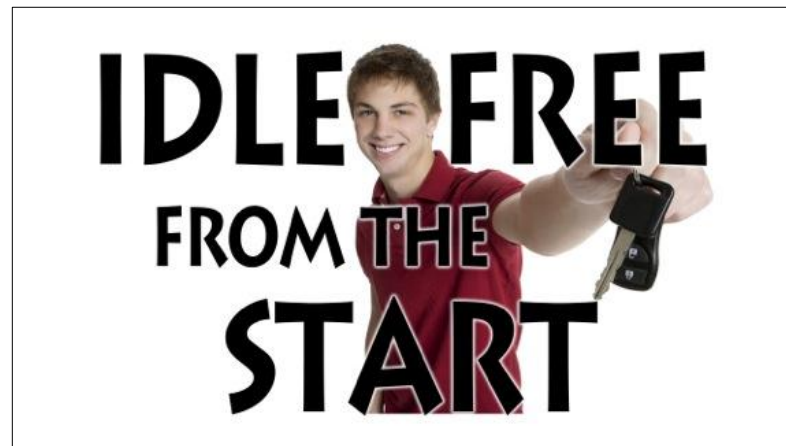
Idle-Free VT Launching “Idle Free from the Start”

Idle-Free VT is taking a new approach to the problem of unnecessary idling with a program designed to eliminate the habit before it's ingrained. Idle Free from the Start seeks to educate new and future drivers about the benefits of idling reduction.

Idle Free from the Start has three key goals: 1. Work with the Vermont Department of Motor Vehicles to increase coverage of idling awareness in the state's drivers manual; 2. Increase idling awareness, along with other eco-driving behaviors, in drivers education curricula; and 3. Work with Vermont's science educators to include lesson plans and projects related to transportation air quality in their curricula.

Wayne Michaud, Idle-Free VT's director, says that the program will help put new drivers “on the right path toward operating their vehicles responsibly. While safety is the main goal in educating new drivers, they also need to be made aware of the significant benefits resulting from efficient vehicle operation, which includes avoiding excessive idling when parked.”

For more information about the project, please go to <http://idlefreevt.org/idle-free-from-the-start.html>. (Graphic: Courtesy of Idle-Free VT)



PORTS

New No Idling Zones at Peace Bridge

As part of an initiative to improve air quality, the Buffalo and Fort Erie Public Bridge Authority (also known as the Peace Bridge Authority [PBA]) has instituted no-idling zones at the Peace Bridge, a U.S.-Canada border spanning the Niagara River between Buffalo, New York, and Fort Erie, Ontario.

The PBA will develop an implementation program, including signage, communications, and staff training, to educate drivers. The previous

restriction had prohibited idling more than 5 minutes. David Rivera, Buffalo, New York, Common Council Member said, “By banning [idling] outright, the PBA has made their policy easier to enforce.” The policy applies to secondary customs plaza areas and duty-free parking lots.

Earlier this summer, the New York State Department of Environmental Conservation (NYDEC) and PBA conducted a series of joint enforcement sweeps aimed at heavy-duty diesel vehicles at the Peace Bridge plaza.

The PBA and NYDEC are also implementing an air-quality monitoring program to enable “before and after” assessment of air quality near the Peace Bridge, which is slated to undergo a \$20 million congestion-reducing renovation.

The PBA is a binational bridge authority. For more information, please see http://www.peacebridge.com/index.php?option=com_content&view=article&id=185:no-idling&catid=12:pressreleases&Itemid=695 and <http://www.dec.ny.gov/press/83384.html>.

OTHER NEWS OF INTEREST

Hodyon–JBS Carriers Fleet Trial: Dynasys APU Improves Fuel Economy by More Than 15%

Hodyon (Cedar Park, Texas), manufacturer of the Dynasys APU, teamed with JBS Carriers, a 1,000+ truck, over-the-road carrier covering 48 states, to conduct a fleet trial program. Hodyon installed Dynasys APUs on 16 of JBS’s Class 8, long-haul trucks and evaluated fuel use and idling data for a 10-week period.

Before APU installation, technicians gathered data from each truck’s engine control unit (ECU). Data included average idle time, gallons of fuel burned per idling hour, and idle percentage. Technicians reset the ECUs after they installed the APUs, and changed the parameters to disable the idle shutdown override feature (preventing the truck operator from running the truck engine and the APU at the same time). The company tracked idle times and fuel savings for 10 weeks using the ECUs and a fleet management telematics system, Qualcomm’s OmniTRACS system, already installed on the trucks.

According to Hodyon, the use of the APUs improved trucks’ average fuel economy from 6.04 miles per gallon (mpg) to 6.99 mpg, or nearly 16%. Fuel savings per truck averaged \$181 per week, which corresponds to an annual savings of more than \$9,000, assuming a fuel cost of \$3.80/gallon. (These figures include the cost of fuel consumed by the APU.) Based on the fleet trial, the APUs as used on these trucks would pay for themselves in about 11 months, assuming an average purchase and installation cost of \$8,500.

The Dynasys APU operates using the truck’s fuel supply and has shore-power compatibility. More information about the APU is available at <http://www.hodyon.com/auxiliarypower.aspx>. For more information about the fleet trial program with JBS Carriers, please go to http://www.hodyon.com/pdfs/jbs_case_study.pdf.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. Department of Energy’s (DOE) Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA’s SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

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Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	Massachusetts*	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

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If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

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<http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

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- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
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- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 21 states. AireDock, CabAire, EnviroDock, IdleAir, and

Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users

locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

Editor

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National Idling Reduction Network News

July 2012

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	Rebates for battery HVAC systems are the only remaining	First come, first served.	https://csswebform.org/WebForm/TSE_home.aspx
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$50,000 (as of July 10, 2012)	First come, first served, but no later than September 30, 2012.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

National Idling Reduction Network News

July 2012

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	N/A	http://www.adeq.state.ar.us/poa/sba/envloans.htm
Wisconsin Department of Safety and Professional Services (DSPS)	Diesel Truck Idling Reduction Grant Program	\$1 million	August 24 , 2012	http://dsps.wi.gov/er/ER-DI-Diesel-Grant-Program-2011.html
North Central Texas Council of Governments (NCTCOG)	Regional Idling Reduction Program	\$326,000+	August 31, 2012	http://www.nctcog.org/trans/air/vehicles/investments/funding/index.asp
New York State Energy Research and Development Authority (NYSERDA)	Advanced Transportation Technologies Program	\$3 million	September 5, 2012	http://www.nyserda.ny.gov/en/Funding-Opportunities/Current-Funding-Opportunities/PON-2584-Advanced-Transportation-Technologies.aspx?sc_database=web
North Carolina Department of Environment and Natural Resources, Division of Air Quality	2012 Diesel Emission Reduction Grant Program	\$242,000	September 10, 2012	http://daq.state.nc.us/motor/DERG/
Pennsylvania Department of Environmental Protection	Small Business Advantage Grant Program	N/A	September 26, 2012	http://www.portal.state.pa.us/portal/server.pt/community/small_business_ombudsman/10493#AGP
Ohio Environmental Protection Agency (EPA)	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	September 28, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
NYSERDA	New York State Clean Air School Bus Program, Round 3	~\$2.6 Million	December 28, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

REGULATORY

Florida Repeals Heavy-Duty Idling Law

The state of Florida, which instituted a heavy-duty vehicle no-idling law in late 2008, quietly repealed the law on February 16, 2012. The law had prohibited the idling of 8,500+ lb vehicles. An exemption for truck drivers using sleeper berths during rest periods was set to expire on September 30, 2013.

The idling law was repealed during a process of a “comprehensive rule review” as required by Governor Rick Scott’s Executive Order 11-0, “Suspending Rulemaking and Establishing the Office of Fiscal Accountability and Regulatory Reform,” enacted on Governor Scott’s first day of office in

early 2011. The purpose of the required annual rule review, the first of which occurred late last year, is to identify rules that are “duplicative, unnecessarily burdensome, or no longer necessary.” The rationale given for the repeal of the idling law was, “Market incentives for diesel fuel cost savings renders the anti-idling requirements of Rule 62-285.420, F.A.C., unnecessary.”

The notice of repeal can be found at https://www.flrules.org/Gateway/View_Notice.asp?ID=10578643.

MAP-21 Increases APU Weight Allowance

The sweeping \$105 billion transportation bill signed into law by President Obama on July 6 includes some good news for idling reduction. Moving Ahead for Progress in the 21st Century, or MAP-21, amends Section 127(a)(12) of Title 23 of the *United States Code* by changing the weight exemption for idling reduction devices on long-haul trucks from 400 lbs to 550 lbs.

The Energy Policy Act of 2005 established the 400-pound exemption for idling reduction devices on heavy-duty vehicles. This allowance does not *require* states to permit the additional weight but allows states to do so without the threat of becoming ineligible for highway funding.

The states that have adopted the weight exemption usually specify the 400-lb limit. States that, by law or by “enforcement policy,” attach the exemption directly to Section 127(a)(12) of Title 23 of the *United States Code* without specifying the allowed additional weight might permit the weight increase to 550 lbs without legislative action. For example, the

language of Montana’s weight exemption (*“If federal law allows establishment of weight and size limits in excess of the allowable limits permitted [by Montana Code] without penalty or denial of federal funds for highway purposes, the department of transportation may . . . authorize . . . vehicles of a weight or size in excess of the limits provided for in those sections.”* [<http://data.opi.mt.gov/bills/mca/61/10/61-10-110.htm>]) suggests that the Montana Department of Transportation (DOT) might be able to authorize the additional weight. So, depending on the language of the state law or enforcement policy, states may or may not allow 150 pounds of additional weight for idling reduction devices beginning on October 1, 2012.

Every issue of *National Idling Reduction Network News* includes a table (State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17[n]) that lists the states that recognize the exemption, either by law or enforcement policy, and the states that do not. If you know of any states that intend to change the weight

allowance when MAP-21 takes effect on October 1, please let us know (IDLINGREDUCTION@ANL.GOV). We will share the information with our readers and update the table.

MAP-21 also describes the shortage of safe truck parking for commercial truck drivers as a national priority and identifies projects that will be eligible for funding. Section 1401 of MAP-21, entitled

Jason's Law, is named after Jason Rivenburg, a Schoharie, New York, truck driver. Mr. Rivenburg was robbed and murdered while parked at an abandoned gas station, a location he chose because of the lack of safe parking options.

For more information about MAP-21, please see <http://www.fhwa.dot.gov/map21/summaryinfo.cfm>.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Consumer Reports	Stop Idling! Stop-Start Systems Have Great Promise for Saving Fuel	http://news.consumerreports.org/cars/2012/06/stop-idling-stop-start-systems-have-great-promise-for-saving-fuel.html
U.S. EPA	Black Carbon 101 for Air Quality Managers	http://www.epa.gov/apti/video/BlackCarbo062112/BC%20101%20Webinar%20June%202012%20v6.pdf
Frost & Sullivan	Strategic Analysis of the Medium- to Heavy-Duty Hybrid and Electric Commercial Vehicle Market in North and South America: Electrifying Growth Opportunities Necessitate Hybrid Strategies as Market Pull Dictates Growth	Summary and ordering information available at http://www.frost.com/prod/servlet/report-brochure.pag?id=N9FF-01-00-00-00

UPCOMING MEETINGS AND EVENTS

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MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	http://www.regonline.com/builder/site/default.aspx?EventID=998283
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 18–20, 2012	http://htuf2012.org/
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx
Society of Automotive Engineers (SAE) 2012 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 2–3, 2012	http://www.sae.org/events/cve/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Dearborn, Michigan	October 16–19, 2012	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Transportation Research Board (TRB) 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2013	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx

MANUFACTURERS' NEWS

Idle Free Systems, Electric APU Manufacturer, Expanding

Based in Madison, Wisconsin, electric APU manufacturer Idle Free Systems has been anything but idle. Over the last 3 years, the company has doubled its manufacturing space, tripled its sales revenue, and grown to more than 20 employees. Company President and CEO Robert Hopton credits \$1.2 million in loans from the State Energy Program (SEP), supported by the American Recovery and Reinvestment Act (ARRA), for helping the company thrive.

Founded in 2006 by former over-the-road truck driver Robert Jordan, Idle Free Systems manufactures devices for sleeper cabs, day cabs, refrigerated trailers, and school buses. The electric APU, which runs on alternating current, captures energy produced by the truck engine's alternator and stores it in a bank of absorbed glass mat (AGM) batteries. For refrigerated trailers, a patented technology makes energy from the trailer available when the truck engine is off. The systems are shore-power compatible.



To see a short video about Idle Free Systems, please go to <http://wedc.org/sep> and select the second video. More information is available at <http://energy.gov/articles/idle-free-systems-does-not-stand-idly> and <http://idlefreesystems.com/>. (Photo: Courtesy of Idle Free Systems)

PORTS

Brooklyn Cruise Terminal To Move Ahead with Shore Power

More than a year after the New York Power Authority and the Port Authority of New York and New Jersey reached a power-rate agreement for the shore-power project at the Brooklyn Cruise Terminal, the much-delayed project appears to be back on course.

In June, the Port Authority's Board of Commissioners authorized \$12.1 million in funding for the shore-power facility. Additional funding sources for the project include the Empire State Development Corporation (\$4.3 million) and the U.S. EPA (\$2.9 million). Princess Cruises and Cunard Cruise Line will retrofit their ships at a cost of up to \$4 million, and the New York Power Authority will provide electricity to the terminal at a fixed,

discounted rate for 5 years, a deal valued at about \$2 million per year. The shore-power project would be the first of its kind on the East Coast.

Cruise ships at the Brooklyn Cruise Terminal typically dock for up to 11 hours as they load and unload passengers and supplies. According to the Port Authority, the shore-power installation will reduce the annual emissions of carbon dioxide (CO₂) by 1,500 tons, nitrogen oxides (NO_x) by 95 tons, and particulate matter (PM) by 6.5 tons. The Port Authority forecasts the creation of 30 jobs and \$22 million in economic activity. The project is now scheduled to be complete in 2014. For more information, please see http://www.panynj.gov/press-room/press-item.cfm?headline_id=1604.

OTHER NEWS OF INTEREST

Police Departments Save with Energy Xtreme Technology

Between 2010 and 2012, the Las Vegas Metro Police Department (LVMPD) partnered with Energy Xtreme (Austin, Texas) to gather "on-the-ground" performance data on Energy Xtreme's Independence Package. The idling reduction system was installed on 42 police vehicles, 21 of which were sampled for usage data. The LVMPD and Energy Xtreme found that the Independence Package eliminated an average of 1.8 hours of idling per vehicle per day, resulting in an average of \$6.51 in fuel savings and 35 pounds in reduced CO₂ emissions for each vehicle daily.

This April, the police department of the City of Raleigh, North Carolina, equipped 29 of its department vehicles with the Energy Xtreme battery system. According to Energy Xtreme, the Raleigh Police Department has



saved more than 3,000 gallons of fuel, prevented the production of 59,000+ lbs of CO₂, and reduced idling engine wear by an equivalent of 107,032 miles since the installation. The Raleigh Police Department projects that the devices will provide an annual fuel cost savings of about \$63,000.

Funding for the purchase and installation of the devices for both police departments was provided through ARRA Energy Efficiency and

Conservation Block Grant (EECBG) funds through the Nevada and North Carolina state energy offices. For more information, please see <http://www.raleighnc.gov/home/news/content/CorNews/Articles/EnergyEfficiencyProjects.html> and <http://www.energyxtreme.net/images/pdfs/study/EX%20LVMPD%20Case%20study.pdf>. Details about Energy Xtreme's Independence Package may be found at <http://www.energyxtreme.net/solutions/law-enforcement>. (Photo: Courtesy of Energy Xtreme)

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Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	<i>Massachusetts*</i>	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

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- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
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- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 21 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$100,000 (as of June 28, 2012)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyouengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	N/A	http://www.adeq.state.ar.us/poa/sba/envloans.htm
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	Rebates for battery HVAC systems are the only remaining	August 1, 2012, or until committed	https://csswebform.org/WebForm/TSE_home.aspx
North Central Texas Council of Governments (NCTCOG)	Regional Idling Reduction Program	\$326,000+	August 31, 2012	www.nctcog.org/aqfunding
Ohio Environmental Protection Agency (EPA)	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	September 28, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
NYSERDA	New York State Clean Air School Bus Program, Round 3	~\$2.6 Million	December 28, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

REGULATORY

Utah Governor's Executive Order Restricts Idling of State Vehicles

On May 31, Utah Governor Gary Herbert signed an executive order requiring that all state vehicles be turned off whenever their drivers expect to be stationary for more than 30 seconds. The move is expected to not only help improve air quality, but the bottom line; for its 7,300 vehicles, the state anticipates saving up to 60,000 gallons of fuel annually, according to the Governor's office. Exceptions to the 30-second rule include fleet vehicles

that must have their engines running for safety or specific job functions. The initiative will be enacted on an agency-by-agency basis, with the Utah Department of Environmental Quality and Utah Department of Administrative Services' Division of Fleet Operations providing outreach and education.

Earlier this year, Utah passed what might be called an anti-anti-idling law. This law, which became effective on May 8, 2012, prohibits local highway authorities from enacting idling ordinances unless the ordinance: is “primarily educational”; allows that a motorist be issued at least three warning citations before receiving a fine; and has the same fine structure as that of parking violations.

For more information, please see

http://www.utah.gov/governor/news_media/article.html?article=7154.

The text of the executive order is available at

<http://ucair.utah.gov/aboutuair/news/docs/idleeofinal.pdf>.

EPA Proposes New PM_{2.5} Standard

On June 14, the U.S. EPA proposed to strengthen the National Ambient Air Quality Standards (NAAQS) for the emission of fine particulate matter (particles 2.5 micrometers [μm] or smaller, also called PM_{2.5}). The annual health standard would reduce the acceptable amount of PM_{2.5} from 15 micrograms per cubic meter (μg/m³), a standard that has been in place since 1997, to within the range of 12 to 13 (μg/m³).

The current 24-hour fine particle standard, 35 μg/m³, set in 2006, would remain unchanged, as would existing standards for coarse particle pollution (PM₁₀). The EPA projects that 99% of U.S. counties will meet the

proposed new PM_{2.5} standard by 2020. For those counties where PM_{2.5} levels are high, one possible outcome of more-stringent PM_{2.5} standards could be the institution of new, or stricter, idling laws.

The EPA is seeking input on the proposed new PM_{2.5} standard; the comment period closes August 16, 2012. For an overview of the proposed standards, please go to

<http://www.epa.gov/air/particlepollution/2012/fsoverview.pdf>. The link

<http://www.epa.gov/airquality/particlepollution/actions.html> contains more information.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
4M Fruit Distributors (Everett, Massachusetts)	Massachusetts Department of Environmental Protection (MassDEP)	Purchase and installation of 2 electric transport refrigeration units (eTRUs)	\$29,400
BHZ Transport (Centerville, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
Boston Sword & Tuna, Inc. (Boston, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$10,620
Bramante Seafood (Boston, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$17,584
Brascol Transport (Taunton, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$13,886
Brazport Transportation (Raynham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
BRI Logistics (Taunton, Massachusetts)	MassDEP	Purchase and installation of 3 APUs and retrofit devices	\$33,495

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CJ & J Leasing Corporation (Haverhill, Massachusetts)	MassDEP	Purchase and installation of 11 eTRUs	\$193,421
Channel Fish Company, Inc. (East Boston)	MassDEP	Purchase and installation of 2 eTRUs	\$24,712
DB Trucking Company (Lakeville, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
DEA Logistics (Bourne, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
Suami Diaz (Leominster, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
Gildeon Dos Santos (Framingham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
Jediael Dos Santos (Abington, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
Foster Hill Transport, LLC (West Brookfield, Massachusetts)	MassDEP	Purchase and installation of 5 APUs and retrofit devices	\$55,824
Alfonso Francisco (Hyde Park, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit	\$11,165
Great Eastern Seafood, Inc. (Boston, Massachusetts)	MassDEP	Purchase and installation of 2 eTRUs	\$27,978
GSD Refrigerated Leasing (Saugus, Massachusetts)	MassDEP	Purchase and installation of 4 eTRUs	\$49,444
Jason's Trucking (Bellingham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
JK Transporter (Framingham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$16,592
MCA Express/Walber F. Ramos (Framingham, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$13,886
Oak Hill Developers, Inc. (Webster, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
Porter-Cooler Rentals (Swansea, Massachusetts)	MassDEP	Purchase and installation of 3 eTRUS	\$37,071
Jefferson Porto (Ayer, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
Pray Trucking, Inc. (Seekonk, Massachusetts)	MassDEP	Purchase and installation of 5 APUs and retrofit devices	\$55,824
Richie's Classic Italian Ice (Everett, Massachusetts)	MassDEP	Purchase and installation of 1 eTRU	\$17,584
Rohstein Corporation (Woburn, Massachusetts)	MassDEP	Purchase and installation of 5 eTRUs	\$53,100
Eduardo Romeiro (Abington, Massachusetts)	MassDEP	Purchase and installation of 1 APU and retrofit device	\$11,165
W. Pittsley Auto Salvage, Inc. (Middleboro, Massachusetts)	MassDEP	Purchase and installation of 3 APUs and retrofit devices	\$33,495

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Duke University (thesis)	Cold-Ironing as a Cost-Effective Tool for Improving Sustainability in the Shipping Industry	http://dukespace.lib.duke.edu/dspace/handle/10161/5175
National Research Council	Review of the 21st Century Truck Partnership, Second Report	http://www.nap.edu/catalog.php?record_id=13288

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	http://www.regonline.com/builder/site/default.aspx?EventID=998283
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 18–20, 2012	http://htuf2012.org/
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx
Society of Automotive Engineers (SAE) 2012 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 2–3, 2012	http://www.sae.org/events/cve/
Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Dearborn, Michigan	October 16–19, 2012	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Transportation Research Board (TRB) 92 nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/

MANUFACTURERS' NEWS

Altec Opens New Plant for Idle-Free Utility Trucks

To expand the production of its Green Fleet utility vehicle product line, Altec Industries (Birmingham, Alabama) has opened a new manufacturing facility in Dixon, California. The Green Fleet product line incorporates Altec's Jobsite Energy Management System (JEMS®), which eliminates engine idling at job sites. With JEMS, work equipment is powered by application-specific battery packs.

In addition to the obvious benefits of saving fuel, JEMS hybrid technology is quieter than a running diesel engine, making for an improved working environment. Work crews can communicate with each other more easily, and less noise means less disruption to the community. The technology may also allow for a wider range of work times in areas that have noise ordinances restricting when heavy equipment can be used.

According to Altec, the new Dixon facility was made possible through a Pacific Gas and Electric Company (PG&E) purchase agreement with the company. Currently, PG&E has 272 green fleet bucket truck vehicles, with plans to purchase 281 more by the end of 2014.

Late last year, CARB approved JEMS for power take-off (PTO) applications in diesel trucks with a gross vehicle weight rating over 10,000 lbs. For more information, please see <http://www.altec.com/altec-announces-grand-opening-of-new-green-focused-facility.php> and http://www.pge.com/about/newsroom/newsreleases/20120422/pge_joins_altec_for_ribbon-cutting_ceremony_at_green_focused_utility_truck_manufacturing_facility_in_dixon.shtml. More information about JEMS and the Green Fleet utility line is available at <http://www.altec.com/green-fleet.php>.

ELECTRIFIED PARKING SPACES

More Truck Stop Electrification Sites on the Map

In the last month, the federally funded Shorepower Truck Electrification Project (STEP) opened four new sites. The newest installations are in Paducah, Kentucky (Southern Pride Truck Plaza); Cornersville, Tennessee (the Tennessean Truck Stop); Ozark, Arkansas (the I-40 Travel Center); and New Orleans, Louisiana (Big Easy Travel Plaza). Each site has 24 electrified parking spaces for trucks.

The rebate portion of STEP is winding down, with only rebates for battery HVAC systems remaining (maximum rebate is \$1,600). According to Shorepower Technologies, the \$7+ million in rebates disbursed so far has

leveraged more than \$35 million in sales for more than 20 manufacturers. The link www.plugintosavings.org has more information.

Truck stop electrification (TSE) provider IdleAir also has a new site. The Conoco station in Baytown, Texas, is now equipped with IdleAir technology. With the new Texas location, the company now operates 28 sites in 12 states. IdleAir expects to open a couple of other locations later this summer. It is also adding more spaces at 13 of its locations. For more information, please see <http://www.idleair.com/> and <http://www.idleair.com/news/opening-more-idleair-spaces>.

OTHER NEWS OF INTEREST

Less Idle Time in Tallahassee

The Fleet Management Division of the City of Tallahassee (Florida) has designed and built an idling reduction package called Less Idle Time (LIT). conditioning. The battery pack provides power for 1 to 5 hours, depending on power demand. The vehicle's running engine recharges the auxiliary battery system, which is housed in the trunk of the squad car.

If the system is used just 2 hours per day, a single vehicle can eliminate the production of up to 73 pounds of CO₂ every day, and the annual fuel savings for a single vehicle can reach \$2,000. The Fleet Management Division is seeking to adapt the system for other vehicles that spend a lot of time idling, such as bucket trucks.

Installed on 27 police cars, the auxiliary battery system powers the vehicle's entire electrical system, including warning lights and air conditioning. The LIT project was funded by a U.S. Department of Energy (DOE) Energy Efficiency and Conservation Block Grant (EECBG) through the American Recovery and Reinvestment Act of 2009 (ARRA). For more information, please see <http://energy.gov/articles/saving-gas-while-fighting-crime-tallahassee>. A short video showing the technology in use is available at <http://www.government-fleet.com/News/Story/2012/05/Tallahassee-City-Employee-Invents-New-Anti-Idling-System-for-Police-Fleet.aspx?prestitial=1>.

Schneider Reduces Emissions with Idling Reduction Equipment

Transport provider Schneider National (Green Bay, Wisconsin) is currently replacing one third of its fleet, or 3,000 2005–06 model-year tractors, with new tractors. According to company spokeswoman Janet Bonkowski, all of the vehicles will have idling reduction devices, which will in total reduce the annual production of nitrogen oxides (NO_x), carbon dioxide (CO₂), and particulates by 3,196 tons, 30,000 tons, and 125 tons, respectively.

Schneider trucks are equipped with idle time limiters, engine block heaters, cab heaters, and/or electrically powered cab coolers. The company is replacing the tractors at the rate of about 75 per week. For more information about Schneider National, please see <http://www.schneider.com>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	<i>Massachusetts*</i>	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at <http://atri-online.org/2012/01/01/idling-regulations-compendium/> and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us

know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative

(Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota),

<http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- Energy Xtreme (<http://www.energyxtreme.net/resources/calculator>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These

facilities are currently available in at least 21 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is

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sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

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Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyouengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	N/A	http://www.adeq.state.ar.us/poa/sba/envloans.htm

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May 2012

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
U.S. Environmental Protection Agency (EPA)	National Clean Diesel Funding Assistance Program, FY 2012 Request for Proposals	~\$20 million	June 4, 2012	http://www.epa.gov/air/grants/rfp-epa-oar-otaq-12-05.pdf
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 15, 2012	http://energy.maryland.gov/Transportation/idle/
U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE)	Implementation Initiatives to Advance Alternative Fuel Markets	\$5 million	June 18, 2012	http://www1.eere.energy.gov/cleancities/financial_opps_detail.html?sol_id=522
Northwest Clean Air Agency	Greenhouse Gas Reduction Project	~\$3.4 million	June 29, 2012, letter of intent; July 31, 2012, proposals	http://www.nwcleanair.org/climateChange/GHG_Mitigation.htm
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	Rebates for battery HVAC systems are the only remaining	July 1, 2012 (estimated)	https://csswebform.org/WebForm/TSE_home.aspx
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	September 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Conway School District (Conway, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 5 school buses	\$20,126
Curlew School District (Curlew, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 5 school buses	\$14,233
Entiat School District (Entiat, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 5 school buses	\$19,681
La Conner School District (La Conner, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 14 school buses	\$57,916
Lakewood School District (Lakewood, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 24 school buses	\$96,520
Lind School District (Lind, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 8 school buses	\$46,978
Medical Lake School District (Davenport, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 2 school buses	\$7,916
Methow Valley School District (Winthrop, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 12 school buses	\$36,537
Mount Vernon School District (Mount Vernon, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 35 school buses	\$118,196
Oak Harbor School District (Oak Harbor, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 38 school buses	\$142,491
Renton School District (Renton, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 47 school buses	\$135,929
Wapato School District (Wapato, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 2 school buses	\$10,817
White Salmon School District (White Salmon, Washington)	Washington Department of Ecology	Installation of idling reduction equipment on 12 school buses	\$53,432
Puget Sound Clean Air Agency	Washington Department of Ecology	Installation of idling reduction equipment on cargo-handling equipment at Port of Seattle terminals	\$287,200
Puget Sound Clean Air Agency	Washington Department of Ecology	Installation of idling reduction equipment on cargo-handling equipment at Port of Tacoma terminals	\$228,150

Accolades for Energy Xtreme's Independence Package

Energy Xtreme (Austin, Texas), which specializes in providing "engine-off" electrical power for work vehicles, recently received two honors. The company's Independence Package garnered an Edison Award (Silver) in the competition's Energy and Sustainability category. Edison awards recognize innovation and excellence in the development, marketing, and launch of new products and services. The Independence Package was also named a finalist in the 2012 American Business Award in the category *Best New Product or Service, Business to Business*.

Energy Xtreme's Independence Package series allows police cruisers to operate electrical loads, such as lights, radios, and computers, from a battery power pack. Case-study fact sheets about Energy Xtreme's partnerships with City of Austin (Texas) Public Works Department (2009), the Dallas (Texas) Police Department (2009), and, most recently, the Maryland Department of Public Safety and Correctional Services are available at <http://www.energyxtreme.net/resources/case-studies>.

The links http://www.edisonawards.com/BestNewProduct_2012.php and http://www.stevieawards.com/pubs/awards/403_2654_21626.cfm contain more information about the awards.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Environmental Science and Technology	Public Health Impacts of Combustion Emissions in the United Kingdom	http://pubs.acs.org/doi/abs/10.1021/es2040416
Idle-Free VT	Idle-Free for Fleet\$	http://idlefreevt.org/powerpoint/idle-free_for_fleets.8.11.pptx
NYSERDA	Demonstration of Locomotive Idle Reduction Technology for NYS Short Line Railroads	http://www.dieselwarming.com/nyserda/docs/Short%20line%20DWS%20Demonstration%20Project%20Summary%20and%20Case%20Studies.pdf
Portland Air Toxics Solutions Advisory Committee	Portland Air Toxics Solutions Report and Recommendations: Fact Sheet	http://www.deq.state.or.us/aq/factsheets/12aq035patsReport.pdf
Texas Transportation Institute (TTI)	Development of a NOx Verification Protocol and Actual Testing of Onboard Idle Reduction Technologies	http://tse.tamu.edu/pdfs/Zietsman_IRT_Verification_Protocol_Final_Report_Revised.pdf
Transportation Research Board (TRB) Airport Cooperative Research Program	Handbook for Evaluating Emissions and Costs of APUs and Alternative Systems	http://onlinepubs.trb.org/onlinepubs/acrp/acrp_rpt_064.pdf
TRB Airport Cooperative Research Program	Measurement of Gaseous HAP Emissions from Idling Aircraft as a Function of Engine and Ambient Conditions	http://onlinepubs.trb.org/onlinepubs/acrp/acrp_rpt_063.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	http://www.governmentfleetexpo.com/
Idle Reduction Technology for Light, Medium Duty and Emergency Fleets	Tulsa, Oklahoma	June 26, 2012	http://tulsacleancities.com/meetings/534/
CARB Public Hearing To Consider Approval of the Proposed AB 118 Air Quality Improvement Program Funding Plan for Fiscal Year 2012–13	Sacramento, California	June 28, 2012	http://www.arb.ca.gov/regact/nonreg/aqip2012not.pdf
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	http://www.regonline.com/builder/site/default.aspx?EventID=998283
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 18–20, 2012	http://htuf2012.org/
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx
Society of Automotive Engineers (SAE) 2012 Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 2–3, 2012	http://www.sae.org/events/cve/
Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Dearborn, Michigan	October 16–19, 2012	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
TRB 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 31–February 1, 2013	http://www.sae.org/events/gim/

MANUFACTURERS' NEWS

Bergstrom Licenses Use of NITE Technology to Cummins Crosspoint

Bergstrom Inc. (Rockford, Illinois) and Cummins Crosspoint LLC (Indianapolis, Indiana) have established a collaborative agreement for

Bergstrom to license patents on its no-idle NITE technology to Cummins Crosspoint. While the agreement pertains mostly to battery-powered APU-

related technologies, the two companies intend to explore additional technology, marketing, and distribution collaborations.

Cummins Crosspoint recently acquired ClimaCab assets and technology, formerly owned by California-based Glacier Bay, Inc. In 2008, Bergstrom filed a patent-infringement lawsuit against Glacier Bay. With Cummins Crosspoint's acquisition of ClimaCab assets and the technology licensing

agreement with Bergstrom, Bergstrom and Glacier Bay reached a settlement agreement.

Cummins Crosspoint will soon begin to produce battery-powered no-idle systems using the licensed technology. More information is available at <http://us.bergstrominc.com/news/2012/05/17/cummins-crosspoint-purchases-license-to-use-bergstroms-nite-no-idle-technology/>.

ELECTRIFIED PARKING SPACES

Giant STEPs Forward

This spring, the Shorepower Truck Electrification Program (STEP) launched a number of new sites. This program is supported by the DOE through the American Recovery and Reinvestment Act and administered by Cascade Sierra Solutions (CSS) in partnership with Shorepower Technologies. Some of the sites most recently opened include:

- Broadway Flying J Travel Plaza in Williams, Iowa (24 electrified truck parking spaces);
- Sapp Bros. Travel Center in Omaha, Nebraska (24 spaces);
- Shoemaker's Shell Travel Center in Lincoln, Nebraska (36 spaces);
- L.W.'s Pilot Travel Plaza in Perry, Utah (24 spaces); and
- Gearjammer Truck Plaza in Union Gap, Washington (24 spaces).

The Shorepower installations enable drivers of trucks equipped with electric-standby capability to turn off their engines during rest periods. For a

\$1 hookup fee and \$1/hour for service, truck drivers can access electric power for HVAC and other needs. The trucks must be equipped with a heavy-duty extension cord. For drivers who want to power additional devices, more advanced connection kits are available. Some Shorepower installations, including Sapp Bros. in Omaha, have higher-voltage (460-V) connections to power trailer refrigeration units (TRUs). (Sapp Bros plans to host a STEP Plug-In Celebration on June 12 and 13, 2012.)

The STEP rebate program managed by CSS is coming to a close. According to the STEP website, battery HVAC systems are the only devices for which rebates are still available, and CSS expects these rebates to be fully allocated by July 2012. All STEP sites are expected to be operational by the end of this year. To see the network of current and planned Shorepower sites, please visit <http://www.the-step-project.org/>.

Goings On at IdleAir

IdleAir has announced a new hourly price. Beginning on June 1, 2012, the cost of service will be \$2.09 per hour (before local taxes). After 10 hours of continuous service, the hourly fee drops to \$1.49. Prices for broadband services and ancillary products (e.g., keyboards and cables) will remain unchanged. All pricing will remain frozen through at least December 31, 2012. For more information, please go to <http://www.idleair.com/blog/new-prices-frozen-through-2012/>.

On another note, early in May, a White House press release identified IdleAir as one of the companies supporting the U.S. Department of Labor's Summer Jobs+ initiative, a program that serves low-income, at-risk youth. More information is available at <http://www.whitehouse.gov/the-press-office/2012/05/02/we-cant-wait-white-house-announces-nearly-300000-summer-jobs-and-other-e>.

EDUCATION, OUTREACH, AND CAMPAIGNS

New York Sound Shore's No Idling Day

On April 23, 2012, the villages of Mamaroneck, Larchmont, and Rye in the Sound Shore area of New York staged a No Idling Day. At participating schools, schoolchildren wearing particulate filter masks displayed handmade posters about the health and environmental hazards associated with idling. Parents received information about idling and were invited to sign a no-idling pledge.

The No Idling Day initiative was organized by the environmental committees of the participating villages and the "green committees" of the participating public and private schools. Each of the three villages restricts vehicle idling to 3 minutes or less. (Source and photo courtesy: Bonnie Weinbach, EPA Region 2.)



ENFORCEMENT

Idling Enforcement "Crackdown" in Selected NYC Neighborhoods

The New York Department of Environmental Protection (DEP) recently announced a 2-week enforcement crackdown on vehicle idling near schools in neighborhoods with high asthma rates. On May 23, DEP inspectors began

targeted enforcement of "Local Law 5," a 2009 law that limits idling in school zones to 1 minute.

DEP preceded the enforcement blitz by sending informational letters and “Stop Idling” flyers to more than 1,400 New York Department of Education parent coordinators. In neighborhoods with high asthma rates, DEP staff also visited elementary schools and distributed literature to hundreds of parents, teachers, and bus drivers. According to a DEP press release, asthma-related emergency room visits are highest in East Harlem (with 411 visits per 100,000 residents) and in Hunt’s Point-Mott Haven/the Bronx (313 visits per 100,000 residents).

Some environmental groups have expressed frustration with the negligible enforcement of New York City’s 3-year-old idling law. According to CNN, while traffic enforcement agents wrote about 10 million parking tickets in fiscal year 2011, they issued fewer than 3,000 idling citations.

For more information, please go to

http://www.nyc.gov/html/dep/html/press_releases/12-32pr.shtml and http://www.cnn.com/2012/02/06/health/engines-new-york-law/index.html?hpt=hp_bn10.

OTHER NEWS OF INTEREST

CR England Promotion Rewards Fuel Economy, Reduced Idling

What’s the reward for getting good gas mileage and reducing idling? For one CR England (Salt Lake City, Utah) driver, it’s a Harley-Davidson Sportster Iron 883. CR England’s promotion, which ran in the first quarter of 2012, encouraged drivers to improve their fuel economy and reduce idling. The winner of the promotion, company driver Devery Hope, achieved an average of 7.48 miles per gallon (mpg) and a 6.5% idle time. He attributed his success to following the company’s operations and fuel departments’ tips, including progressive shifting, staying in top gear as much as possible, and idling his truck as little as possible.

CR England is the nation’s largest refrigerated trucking company. Its partners in the fuel economy promotion were Golden Spike Harley-Davidson, Warner Truck Center, Horizon Truck and Leasing, Loves Travel Stops, and Pilot Flying J. For more information, please go to <http://www.crengland.com/content/managementservices/pressreleases/pdf/2012-0426-harleydavidson.pdf>. (Photo: Contest winner Devery Hope models his fuel-economy prize with company executives. Photo courtesy of CR England.)



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at

<http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	<i>Massachusetts*</i>	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://www.atri-online.org/research/idling/ATRI_Idling_Compendium and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast

Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- Energy Xtreme (<http://www.energyxtreme.net/resources/calculator>)

- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 21 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

April 2012

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$15,000 (as of April 11, 2012)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

National Idling Reduction Network News

April 2012

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	N/A	http://www.adeq.state.ar.us/poa/sba/envloans.htm
City of Grand Rapids (Michigan)	Call for Bids: Diesel Emission Reduction Components (including 18 EPA-verified diesel-fired coolant heaters, Espar Hydronic 5 or approved equivalent)	N/A	May 7, 2012	https://procurement.pbnlink.com/MainBidBoard?statusfilter=All&typefilter=All&oid=28955&commodityCode=&commodityDescription=&search=&ac=0&bidoid=28955&bidid=26094&bidtype=Bid&sortby=issuedate&order=1&pgno=0
U.S. Department of Energy (DOE)	Zero Emission Cargo Transport Demonstration	\$10 million	May 15, 2012	https://eere-exchange.energy.gov/default.aspx#97e671e8-6b9a-4fd9-89c2-23b19f813709
North Central Texas Council of Governments (NCTCOG)	2012 Clean Diesel Call for Projects	N/A	May 18, 2012	http://www.nctcog.org/trans/air/programs/idling/NCTCOG2012CleanDieselICFP.asp
San Joaquin Valley Air Pollution Control District (California)	Locomotive Program (implementation of emissions reduction technology)	\$1.96 million	May 25, 2012	http://www.valleyair.org/Grant_Programs/GrantPrograms.htm#Locomotive
Nebraska Department of Environmental Quality	Expanded Clean Diesel Rebate Program	Indeterminate	May 31, 2012	http://www.deq.state.ne.us/AirDivis.nsf/Pages/DERA
U.S. Environmental Protection Agency (EPA)	National Clean Diesel Funding Assistance Program, FY 2012 Request for Proposals	~\$20 million	June 4, 2012	http://www.epa.gov/air/grants/rfp-epa-oar-otaq-12-05.pdf
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 15, 2012	http://energy.maryland.gov/Transportation/idle/

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	Rebates for battery HVAC systems are the only remaining	July 1, 2012 (estimated)	https://csswebform.org/WebForm/TSE_home.aspx
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	September 1, 2012	http://www.epa.ohio.gov/oef/schoolbus.aspx

EPA's National Clean Diesel Program Now Accepting Proposals

The EPA has issued its Request for Proposals (RFP) for the National Clean Diesel Funding Assistance Program, which includes a number of changes compared to the program's last RFP. Projects that will help recipients meet state diesel-emission reduction mandates by are now eligible for funding. (Federally mandated emission-reduction projects, however, remain ineligible.) This RFP also gives priority to areas disproportionately affected by diesel pollution, including ports, rail yards, terminals, construction sites, school bus depots/yards, and distribution centers.

For truck projects, EPA will fund verified idling reduction technologies only when they are combined, on the same vehicle, with new, verified exhaust controls. Additionally, for this RFP, only long-haul Class 8 vehicles with 2006 or older certified engine configurations are eligible for APUs and generators. Funding is available for up to 100% of the cost of labor and equipment for eligible truck projects.

For locomotive projects, EPA will fund up to 50% of the cost of eligible idling reduction technologies, and for shore connection systems and truck stop electrification (TSE) technologies, EPA will fund up to 25% of the project cost.

The Diesel Emissions Reduction Act (DERA), created under the Energy Policy Act of 2005, was reauthorized in 2011. For fiscal year (FY) 2012, Congress appropriated \$29.9 million—\$20 million for the competition-based National Program and \$9.9 million for the allocation-based State Program.

The application deadline is June 4, 2012. For more information, please visit <http://www.epa.gov/cleandiesel/prgnational.htm>. The link www.epa.gov/cleandiesel/documents/fy12-county-area-list.pdf lists the priority counties and areas, and the link www.epa.gov/smartway/technology/idling.htm provides EPA SmartWay verified technology.

REGULATORY NEWS

EPA Fines Durham School Services for Excessive Idling

In an excessive-idling settlement with the New England EPA, school bus company Durham School Services (Warrenville, Illinois) has agreed to pay a \$90,000 penalty and undertake environmental projects valued at \$348,000. Durham will implement a national, fleetwide training program to prevent excessive idling. The company will require supervisors to monitor idling in school bus lots, post no-idling signs in areas where drivers congregate, and notify the school districts it serves of its anti-idling policy. As part of the agreement, Durham will also replace 30 older buses with buses equipped with up-to-date pollution controls.

In the fall of 2010, an EPA inspector observed Durham school buses idling for extended periods—in some cases, for nearly 2 hours—in school bus

lots in Storrs, Connecticut, Worcester, Massachusetts, and Johnston, Rhode Island. Vehicle idling is limited to 3 minutes in Connecticut and 5 minutes in Massachusetts and Rhode Island. According to the EPA, if the school bus company reduces the idling time of each bus in its fleet by 1 hour a day, it will save 1.25 million gallons of fuel per year. It will also prevent the emission of 28 million pounds of carbon dioxide annually.

Durham operates nearly 14,000 school buses in 30 states. More information about the enforcement action and settlement is available at <http://yosemite.epa.gov/opa/admpress.nsf/0/62196F9B584B436C852579DC00599928>.

Canada Proposes GHG Emissions Standards To Align with the U.S.'s

Canada's Department of Environment has proposed regulations to reduce greenhouse gas (GHG) emissions from on-road heavy-duty vehicles beginning with model year 2014. Vehicles affected would range from large pick-up trucks to long-haul trucks. According to Peter Kent, Canada's Environment Minister, the changes can be achieved with the use of existing technologies for fuel efficiency, aerodynamics, and idling reduction. The standards are designed to align with U.S. standards.

"Canada and the United States have a deeply integrated automotive industry and there are significant environmental and economic benefits to aligning our emission standards for new on-road heavy-duty vehicles,"

said Minister Kent. "Today's announcement means that, by the year 2020, greenhouse gas emissions from Canada's heavy-duty vehicles will be reduced by 3 million tonnes per year. This is equivalent to removing 650,000 personal vehicles from the road."

If the regulations pass, GHG emissions from model-year 2018 vehicles would be 23% less than those of model-year 2010 vehicles. The proposed regulations are available at <http://www.gazette.gc.ca/rp-pr/p1/2012/2012-04-14/html/reg1-eng.html>. For more information, please see <http://www.ec.gc.ca/default.asp?lang=En&n=714D9AAE-1&news=1145351A-3CE2-4AFF-9A39-3E05FFC31D79>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Puget Sound Clean Air Agency	Washington Department of Ecology	Port of Seattle Idle Reduction Project—installation of idling reduction equipment on cargo-handling equipment and retrofit devices	\$287,200
Puget Sound Clean Air Agency	Washington Department of Ecology	Port of Tacoma Idle Reduction Project—installation of idling reduction equipment on cargo-handling equipment	\$228,150

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
EPA	Questions and Answers: National Clean Diesel Funding Assistance Program, FY 2012 RFP	http://www.epa.gov/cleandiesel/documents/fy12-dera-faq.pdf
EPA	FY 2012 State Clean Diesel Grant Program: Fact Sheet for EPA Regions and Participating States and Islands	http://www.epa.gov/cleandiesel/documents/fy12-state-factsheet.pdf
EPA	Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2010	http://www.epa.gov/climatechange/emissions/usinventoryreport.html
EPA	Report to Congress on Black Carbon	http://www.epa.gov/blackcarbon/
Pike Research	Total Cost of Ownership of Alternative Fuel Vehicles for Fleet Operators	Summary and ordering information available at http://www.pikeresearch.com/research/total-cost-of-ownership-of-alternative-fuel-vehicles-for-fleet-operators
Transportation Quarterly	Eliminating a Necessary Evil: Shore Power Offers Alternative to Idling the Engine for Driver Comfort	http://www.transportationquarterly.com/ (click on “Current Issue,” or Volume 32, Issue 2)
Transportation Research Board (TRB)	“Measurement of Noise Level, Whole-Body Vibration from Driver and Passenger Seats, and In-Cab Air Quality of Heavy-Duty Diesel Vehicles,” in Research on the Health and Wellness of Commercial Truck and Bus Drivers: Summary of an International Conference	http://onlinepubs.trb.org/onlinepubs/conf/CPW5.pdf (p. 81)

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html
2012 DOE Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 14–18, 2012	http://www.annualmeritreview.energy.gov
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	http://www.governmentfleetexpo.com/
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	http://www.regonline.com/builder/site/default.aspx?EventID=998283
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 17–20, 2012	http://www.calstart.org/Events/CALSTART-Events/HTUF-National-Conference.aspx
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx
Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Dearborn, Michigan	October 16–19, 2012	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
TRB 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx

MANUFACTURERS' NEWS

Is Stop-Start Technology Finally Gaining Traction in the U.S.?

If the engine of your next new car shuts down every time you stop, it won't be because you bought a lemon. In fact, you'll probably have paid more for the option, with the understanding that you'll more than recoup the cost in fuel savings.

Stop-start technology, sometimes called "idle stop" or microhybrid technology, appears to be taking hold in the U.S. The technology

shuts off the vehicle engine at stops, thereby reducing fuel use and emissions. Unlike a conventional vehicle, engine shutoff in a vehicle with stop-start technology does not interrupt features such as heat, air conditioning, lights, and audio. These functions are powered by battery, and the transition from engine power to battery power is designed to be seamless in stop-start systems. Motorists whose driving patterns involve a lot of stop and go, as in cities, will reap the greatest cost savings.

The 2013 Ford Fusion is among the new vehicles slated to have stop-start technology. Called “auto start-stop” on the Fusion, this feature will add \$295 to the vehicle’s cost. According to Ford, it will save Fusion drivers as much as \$1,100 over 5 years, at current fuel prices. Ford forecasts that auto start-stop will improve fuel efficiency by about 3.5% overall, with urban drivers expected to save as much as 10%.

Other vehicles equipped with similar technology are the Buick LaCrosse and Buick Regal. Even luxury performance cars such as the Mercedes AMG line have begun offering start-stop technology.

In Europe, where GHG emissions standards are more stringent and fuel prices higher, stop-start technology has become common on new cars. With U.S. consumers becoming increasingly sensitive to rising fuel prices, stop-start may become an attractive vehicle option. For more information, please see <http://www.sae.org/mags/AEI/10667> and http://media.ford.com/article_display.cfm?article_id=36292.

PORTS

Shore Power for Massachusetts Fishing Boats

In Massachusetts, the New Bedford Harbor Development Commission is installing 16 power pedestals to provide electricity to commercial fishing vessels at Steamship and Coal Pocket Piers. The power docks will allow boat operators to shut down their generators, which are used to power refrigeration equipment and other auxiliaries, and plug in for electrical power.

The installations are part of a larger New Bedford Harbor shore power project. In addition to those at Steamship and Coal Pocket Piers, power pedestals are planned for Homer’s Wharf (6), Leonard’s Wharf (12), and Fisherman’s Wharf (8). According to *Inland Port* magazine, a preproject study determined that the 42 shore power units will reduce diesel fuel use by approximately 310,000 gallons every year, with a corresponding annual reduction of GHG emissions by about 3,000 metric tons.

According to local news source southcoasttoday.com, Ed Washburn, interim executive director of the Harbor Development Commission, said that while boat operators may choose to continue to use diesel power, he believes that “the lower cost of electricity will be incentive enough for vessel owners to use the shoreside power system.” The pedestals are designed to accept payment by credit card.

A \$1 million U.S. EPA DERA grant and a \$540,000 Massachusetts Department of Transportation Congestion Mitigation and Air Quality (CMAQ) grant funded the installations at Steamship and Coal Pocket Piers. The power pedestals should be open to commercial fishing boat operators in May. For more information, please see <http://www.southcoasttoday.com/apps/pbcs.dll/article?AID=/20120327/NEWS/203270332/-1/NEWSMAP> and http://issuu.com/inlandport/docs/inland_port_2011_issue_6.

EDUCATION, OUTREACH, AND CAMPAIGNS

The Magic School Bus Gets Cleaned Up Now Available in Spanish

The EPA, in collaboration with Scholastic, has released a Spanish-language version of *The Magic School Bus Gets Cleaned Up*. In *El Autobús Mágico Necesita una Limpieza*, schoolchildren “travel” with Ms. Frizzle through their own school bus’s diesel engine and learn about how pollution is produced and ways to reduce it, including idling reduction.

According to the EPA’s website, individuals, schools and libraries may order one copy each at no charge. Nonprofit organizations and state and local governments working on diesel and clean air education may request more copies, with approval on a case-by-case basis. Please see <http://epa.gov/cleanschoolbus/msb-book.htm> for more information. (Photo: Courtesy of U.S. EPA)



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the U.S. DOE’s Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.
For EPA-verified idling reduction technologies in eight categories, please visit EPA’s SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	Massachusetts*	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://www.atrionline.org/research/idling/ATRI_Idling_Compendium and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated. Additionally, the

EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4),

<http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean

Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>)—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- Energy Xtreme (<http://www.energyxtreme.net/resources/calculator>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 21 states. AireDock, CabAire,

EnviroDock, IdleAir, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users

locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

March 2012

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$57,000 (as of March 27, 2012)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
Federal Transit Administration (FTA)	Clean Fuels Grant Program	\$51.5 million	April 5, 2012	http://fta.dot.gov/grants/13077_14329.html

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Energy Commission (CEC)	Energy Innovations Small Grant Transportation Program—Electricity	Indeterminate	April 11, 2012	http://www.energy.ca.gov/contracts/smallgrant/index.html
Port of Long Beach and Port of Los Angeles	San Pedro Bay Ports Clean Air Action Plan Air Quality Awards (nominations sought)	N/A	April 27, 2012	http://www.cleanairactionplan.org/about/awards.asp
U.S. Department of Energy (DOE)	Zero Emission Cargo Transport Demonstration	\$10 million	May 15, 2012	https://eere-exchange.energy.gov/default.aspx#97e671e8-6b9a-4fd9-89c2-23b19f813709
Nebraska Department of Environmental Quality	Expanded Clean Diesel Rebate Program	Indeterminate	May 31, 2012	http://www.deq.state.ne.us/AirDivis.nsf/Pages/DERA
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 1, 2012	http://energy.maryland.gov/Transportation/idle/
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Ohio Environmental Protection Agency (EPA)	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	September 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Utah's Anti-Anti-Idling Bill Becomes Law

A bill that limits the power of local highway authorities to regulate a number of vehicle-related issues, including engine idling, made swift

progress through the Utah legislature and was signed by Governor Gary Herbert on March 26. House Bill (HB) 104 prohibits local highway

authorities from enacting idling ordinances unless the ordinance meets certain requirements. To have legal standing, the ordinance must:

- Be primarily educational;
- Provide that a motorist be issued at least three warning citations before receiving a fine;
- Have the same fine structure as that of parking violations; and
- Provide for the safety of law enforcement personnel who enforce the ordinance.

The bill also states that the ordinance may be enforced only on public property (e.g., it may not be enforced on residential driveways) or private

property that is open to the general public. However, if a business with drive-through windows posts a sign “informing its customers and the public of the local highway authority’s time limit for idling,” that property is exempt from enforcement.

Two cities in Utah currently have idling restrictions on their books. Park City has a 3-minute idling limit, and Salt Lake City passed a 2-minute idling ordinance just last fall. The new law goes into effect on May 8, 2012. The text of the bill as enrolled is available at <http://le.utah.gov/~2012/bills/hbillenr/hb0104.htm>.

West Virginia Scratches Exemption Expiration

A temperature exemption to West Virginia’s heavy-duty (10,000+) idling law that was set to expire on May 1, 2012, will remain in place. Governor Tomblin has signed Senate Bill (SB) 544, which removes the expiration date on the exemption. Although the bill originally extended the exemption until May 1, 2017, when it was introduced in February, the version enrolled in March shows no expiration date. Drivers operating trucks when the temperature is below 40°F or above 75°F will continue to be exempt from the idling law.

West Virginia’s 15-minute idling law was passed in 2010. For more information, please see <http://www.landlinemag.com/Story.aspx?StoryID=23352>. The link http://www.legis.state.wv.us/Bill_Status/bills_text.cfm?billdoc=sb544%20enr.htm&yr=2012&sesstype=RS&billtype=B&houseorig=S&i=544 contains the text of SB 544 as enrolled.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Harrison Hills City School District (Harrison County, Ohio)	Ohio EPA	Purchase and installation of E-Guardian heaters (Espar) for 26 school buses	\$55,000
Schneider National	Leonardo Academy	Emission reduction projects, including the purchase and installation of low-rolling resistance tires, side skirts, and battery air conditioners	\$197,600

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Southwest Detroit Environmental Vision of Detroit	Michigan Department of Environmental Quality	Purchase and installation of cleaner-running marine engines and idle reduction equipment	\$95,919

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Automotive Engineering Online	AGM Battery Takes Primary Role for Idle Stop-Start in Microhybrids	http://www.sae.org/mags/AEI/10667
EPA	Agency Information Collection Activities; Proposed Collection; Comment Request; Diesel Emissions Reduction Act (DERA) Rebate Program	https://www.federalregister.gov/articles/2012/02/29/2012-4844/agency-information-collection-activities-proposed-collection-comment-request-diesel-emissions
National Conference of State Legislatures	Transportation Energy for the Future: A Guide for Policymakers	http://www.ncsl.org/documents/energy/tranenergyfuture.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Workshop: Development of the AB 118 Air Quality Improvement Program (AQIP) Funding Plan for Fiscal Year 2012–13	Sacramento, California (also Webcast)	April 10, 2012	http://www.arb.ca.gov/msprog/mailouts/msc1205/msc1205.pdf
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html
2012 DOE Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 14–18, 2012	http://www.annualmeritreview.energy.gov
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	http://www.governmentfleetexpo.com/
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	http://www.regonline.com/builder/site/default.aspx?EventID=998283
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 17–20, 2012	http://www.calstart.org/Events/CALSTART-Events/HTUF-National-Conference.aspx

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx
18th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Dearborn, Michigan	October 16–19, 2012	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Transportation Research Board (TRB) 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx

MANUFACTURERS' NEWS

Idle Free Systems Electric APU Available for New Volvo Sleeper Trucks

The Idle Free Systems (Madison, Wisconsin) electric APU is now available on all new Volvo sleeper trucks through the Volvo New Vehicle Option Center. The Idle Free electric APU system, which is EPA SmartWay verified and CARB compliant, runs on alternating current, providing power for HVAC and

ancillary equipment without relying on the truck's starter batteries. The APU is powered by four absorbed glass mat (AGM) batteries and is shorepower compatible. More information, including a video, about the Idle Free System Electric APU is available at <http://idlefreesystems.com/>.

Bergstrom Marks 30,000th NITE

Bergstrom recently marked a manufacturing milestone—the production of its 30,000th NITE (No-Idle Thermal Environment) system. The landmark unit, a NITE Phoenix, was produced at Bergstrom's newest assembly plant in Rockford, Illinois. Bergstrom celebrated the 20,000-unit milestone just last May. The NITE no-idle system has been in production since 2003.

The NITE Phoenix is the newest of the manufacturer's battery-powered, no-idle systems. Bergstrom also produces the NITE Plus and NITE Day Cab. According to the manufacturer, the NITE system can annually reduce an average truck's fuel use by as much as 3,790 gallons and save more than \$15,000 in fuel costs and maintenance. The NITE Phoenix is CARB approved and EPA SmartWay verified. For more information, please go to www.nitesystem.com.

ELECTRIFIED PARKING SPACES

MediDock: Wayside Power for Ambulances

In Brattleboro, Vermont, patients and staff in and near Brattleboro Memorial Hospital's emergency room now breathe cleaner air. In an EPA-funded pilot project, the hospital has installed MediDock power pedestals manufactured by Craufurd Manufacturing (Belchertown, Massachusetts). Ambulances delivering patients no longer need to run the engine to support electrical needs when stopped; they may draw power from a MediDock unit. (Ambulances require power when stationary not only to provide temperature control for the cabin, but to keep sensitive medical equipment and stored medicines at the proper temperatures, as well as to keep equipment properly charged.)



The MediDock units contain an electrical cord on a retractable reel, which keeps the cord out of the way when the unit is not in use and protects it from snow and ice in winter. In addition to electricity, the units provide an air duct that can deliver either warm or cool air to the cab. The benefits of turning off the engine include not only fuel savings and reduction of engine wear, but improved air quality, an indisputable benefit near hospital emergency rooms.

Craufurd Manufacturing also produces the AireDock system (<http://www.airedock.com/>), a similar wayside power option for long-haul truckers seeking no-idling HVAC and ancillary power during rest periods.

The pilot ambulance-power project was funded by a DERA grant to the Vermont Department of Environmental Conservation, which in turn funded the installations at Brattleboro Memorial Hospital. For more information on the project, please see http://www.sentinelsource.com/news/local/anti-idling-program-a-first-for-hospital/article_c17310e3-afa7-5267-8fa3-e283debdde2c.html. (Photo: An emergency responder connects his ambulance to a MediDock unit at Brattleboro Memorial Hospital. Photo courtesy of Craufurd Manufacturing)

IdleAir: Two New Locations Open in Arizona

IdleAir has opened two new sites along I-10 in Eastern Arizona, one adjacent to Love's Travel Stop in Benson, and the other at Sunmart in San Simon. Through April 30, IdleAir is offering full premium service for \$1.25/hour (plus tax). According to IdleAir, the company now operates 26 sites, with nearly 2,000 installed parking spaces, in 12 states.

In 2012, IdleAir plans to add at least 10 new sites on key trucking corridors. The new locations will be in California, Ohio, Louisiana, Virginia, and Pennsylvania, as well as the cities of Houston, Dallas, and Denver. Please see <http://www.idleair.com/news/press-release-at-the-2012-mid-america-trucking-show/> for more information.

OTHER NEWS OF INTEREST

NCI and NIOSH Study: High Diesel-Exhaust Exposure Linked to Lung Cancer

A study performed by researchers from the National Cancer Institute (NCI) and the National Institute for Occupational Safety and Health (NIOSH) has found a relationship between exposure to high levels of diesel exhaust and the development of lung cancer among workers in underground mines. The *Journal of the National Cancer Institute* published two articles on the results of this study in early March.

Investigators examined the risk of lung cancer among 12,315 workers at eight underground (nonmetal) mining facilities where diesel equipment is used. (Underground mines are much more “closed” environments than other occupational settings where diesel equipment is used. Nonmetal mines were chosen for the study to reduce the number of potentially confounding factors.) They found that the risk of lung cancer among heavily exposed underground workers was five times higher than that among workers in the lowest exposure category. When the investigators factored in smoking and other risks associated with lung cancer, the data showed a threefold risk of lung cancer death overall and about a fivefold risk for the heavily exposed underground workers. Nonsmokers with the highest

exposure levels were seven times more likely to die from lung cancer than were nonsmokers in the lowest exposure category.

Joseph F. Fraumeni, Jr., M.D., director of NCI's Division of Cancer Epidemiology and Genetics, commented, “This landmark study has informed on the lung cancer risks for underground mine workers, but the findings suggest that the risks may extend to other workers exposed to diesel exhaust in the United States and abroad, and to people living in urban areas where diesel exhaust levels are elevated.”

The NCI is part of the National Institutes of Health, and NIOSH is part of the Centers for Disease Control and Prevention. Please see <http://www.cancer.gov/newscenter/pressreleases/2012/DieselMinersPressRelease> for more information. The link <http://www.cancer.gov/newscenter/pressreleases/2012/DieselMinersQandA> contains more detail about the study, including comments on extrapolating for the effects of lower levels of exposure to diesel exhaust.

Idling Hazard: Carbon Monoxide Poisoning

One of the less-often-discussed dangers associated with vehicle idling is the risk of carbon monoxide poisoning. In February, *Land Line* published an article describing a truck driver who, after waking up very confused at an Indiana rest stop, admitted himself to a hospital where he tested positive for CO poisoning. Although the trucker admitted that he could not be certain, he believed that the source of the CO was a truck parked next to him, which he described as having “weed burner” (undercarriage) exhaust. In an informal web poll conducted by *Land Line*, only 17% of respondents said that their cabs were equipped with CO detectors.

The issue is not restricted to long-haul truck drivers. In the past few years, a new kind of passenger car CO hazard—one associated with keyless ignition—has been identified. Keyless ignition not only facilitates prolonged, unnecessary idling, but increases the possibility that a car operator will forget that a vehicle has been left running. The danger of CO poisoning may be especially great for those who own cars with quiet engines and live in homes with attached garages. Early in March, a Boca Raton, Florida, couple

was found dead with evidence that one of their cars, which had keyless ignition, had been left running all night. Examiners determined that CO poisoning caused both deaths. In August 2010, a similar death occurred in the same city.

In the December 12, 2011, *Federal Register*, the National Highway Traffic Safety Administration (NHTSA) published a Notice of Proposed Rulemaking on the need for additional safety features, such as audible alerts, for vehicles with keyless ignition. An automatic engine shutoff feature, however, was not among the features recommended.

Please see <http://www.landlinemag.com/Story.aspx?StoryID=22738> and http://articles.sun-sentinel.com/2012-03-16/news/fl-carbon-monoxide-cars-20120313_1_carbon-monoxide-keyless-ignition-keyless-systems for more information. The NHTSA’s proposed rulemaking can be found at <http://www.gpo.gov/fdsys/pkg/FR-2011-12-12/html/2011-31441.htm>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the U.S. DOE’s Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA’s SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	Massachusetts*	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://www.atrionline.org/research/idling/ATRI_Idling_Compendium and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated. Additionally, the

EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4),

<http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean

Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available To Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- **Energy Xtreme** (<http://www.energyxtreme.net/resources/calculator>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 19 states. AireDock, CabAire,

EnviroDock, IdleAir, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects.

The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.htm. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$135,000 (as of February 14, 2012)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
North Dakota Department of Health, Division of Air Quality	State Clean Diesel Grant Program	~\$285,000	March 15, 2012	http://www.ndhealth.gov/AQ/Notices.htm
North Central Texas Council of Governments (NCTCOG)	North Central Texas Clean School Bus Program	~\$500,000	March 16, 2012	http://www.nctcog.org/trans/air/vehicles/investments/funding/index.asp

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Energy Commission	Energy Innovations Small Grant Transportation Program—Electricity	Indeterminate	March 29, 2012 (extended)	http://www.energy.ca.gov/contracts/smallgrant/index.html
Federal Transit Administration (FTA)	Bus and Bus Facilities Livability Initiative	\$125 million	March 29, 2012	http://www.fta.dot.gov/grants/13077_14331.html
Ohio Environmental Protection Agency (EPA)	Diesel Emission Reduction Grant Program	\$10 million	March 30, 2012	http://www.epa.state.oh.us/oeef/derg.aspx
Tennessee Department of Environment and Conservation	Clean Tennessee Energy Grant Program	~\$5.28 million	March 30, 2012	http://eerc.ra.utk.edu/etcfc/docs/2012/ctegp/CTEGP_Application-Manual.pdf
FTA	Clean Fuels Grant Program	\$51.5 million	April 5, 2012	http://fta.dot.gov/grants/13077_14329.html
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 1, 2012	http://energy.maryland.gov/Transportation/idle/
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	September 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

West Virginia Lawmakers Seek To Extend Idling Exemption

Lawmakers in West Virginia are seeking to extend a soon-to-expire exemption in the state's idling law. Senate Bill (SB) 544, introduced on February 8, 2012, would extend the temperature-related exemption, which is slated to expire May 1, 2012, until May 1, 2017.

Enacted in 2010, West Virginia's idling law restricts the idling of diesel-powered vehicles that weigh more than 10,000 pounds to no more than 15 minutes in any 60-minute period. The law includes a number of exemptions, including one allowing truck drivers using sleeper

berths during rest periods to operate HVAC when the temperature is below 40°F or above 70°F.

SB544 is now in the Committee on Transportation and Infrastructure. For more information, please see

<http://www.landlinemag.com/Story.aspx?StoryID=22923>. The text of the bill is available at

http://www.legis.state.wv.us/Bill_Status/bills_text.cfm?billdoc=sb544%20intr.htm&yr=2012&sesstype=RS&i=544.

Utah House Approves *Anti-Anti-Idling* Bill

On February 24, 2012, the Utah House approved a bill that specifies that a local highway authority may *not* enact an idling ordinance unless it meets a number of conditions. If House Bill (HB) 104 is passed into law, Salt Lake City's 2-minute idling restriction, passed unanimously last fall by the City Council, would be undermined.

Utah HB104 specifies that local idling ordinances must be "primarily educational"; no fine may be levied unless a motorist has received at least three warning citations within the previous 1-year period; the fine structure must be the same as that for parking violations; and such ordinances may be enforced on private property only at the request of the property owner. There is also a requirement to provide for the safety of

those who enforce the ordinance, although it does not describe the protections that might be required in addition to the usual ones for law enforcement personnel.

Salt Lake City Mayor Ralph Becker, the force behind the city's idling ordinance, voiced his discontent to local media outlet KSL. "I think that it is pretty hypocritical, really, for the state to say, 'oh we don't want the federal government telling us what to do,' and then for the state to so easily just override a local issue." For more information, please go to <http://www.ksl.com/index.php?nid=148&sid=19391443>. To follow the progress of HB104, which has been sent to the Senate, please go to <http://le.utah.gov/~2012/htmdoc/hbillhtm/HB0104S01.htm>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Chestnut Ridge Transportation (Rockland County, New York)	EPA	Retrofit of 40 school buses with diesel oxidation catalysts (DOCs) and direct-fired heaters (DFHs) and install DFHs on 75 school buses already equipped with DOCs	\$320,500
New West Technologies LLC (Utica, New York)	NYSERDA	Study of the feasibility of electrifying some of the New York State Canal Corporation's 70 operations-maintenance boats	\$75,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	Course 512: Diesel Regulation Overview Online	http://www.arb.ca.gov/msprog/truckstop/video/512/512v5a.htm
Government Accountability Office	Diesel Pollution: Fragmented Federal Programs That Reduce Mobile Source Emissions Could Be Improved	http://www.gao.gov/products/GAO-12-261
Port of Seattle	Briefing on Accelerating Seaport Clean Air Goals	http://www.portseattle.org/About/Commission/Meetings/2012/RM_20120207_7a_supp.pdf
Texas Commission on Environmental Quality (TCEQ)	Draft Texas Emissions Reduction Plan: Guidelines for Emissions Reduction Incentive Grants	http://m.tceq.texas.gov/assets/public/implementation/air/terp/guidelines_draft.pdf
Vanner and Clean Fuels Ohio	Vanner Idle Reduction Webinar	http://www.vanner.com/ (Click on the webinar link in the middle of the page)

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx
TCEQ Public Meeting on Proposed Revisions to Texas Emissions Reduction Plan: Guidelines for Emissions Reduction Incentive Grants	Austin, Texas	March 8, 2012	http://www.tceq.texas.gov/airquality/terp/publicnotice.html
2012 Mid-America Trucking Show	Louisville, Kentucky	March 22–24, 2012	http://www.truckingshow.com/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html
2012 Department of Energy (DOE) Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 14–18, 2012	http://www.annualmeritreview.energy.gov
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	http://www.governmentfleetexpo.com/
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	http://www.regonline.com/builder/site/default.aspx?EventID=998283

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 17–20, 2012	http://www.calstart.org/Events/CALSTART-Events/HTUF-National-Conference.aspx
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx
Transportation Research Board (TRB) 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx

ELECTRIFIED PARKING SPACES

IdleAir Opens New Location in Southern Minnesota

The TravelCenters of America in Albert Lea, Minnesota, about 90 miles south of Minneapolis where Interstates 90 and 35 intersect, is now equipped with IdleAir equipment. Truck drivers may use the service for \$1.25/hour through March 31, after which the hourly cost will be \$1.99.

IdleAir also recently opened a location at Pilot Travel Center on I-295 in Carneys Point, New Jersey. The company now has 25 sites in 11 states (Arizona, California, Georgia, Illinois, Minnesota, Missouri, New Jersey, Pennsylvania, Tennessee, Texas, and Utah). For more information, please see <http://www.idleair.com/>.

RAILROADS

Georgia Ports Authority Retrofits 11 Locomotives with Stop-Start Devices

At the Port of Savannah, 11 Rail Link switcher locomotives are now equipped with automatic engine stop-start (AESS) technology, thanks to a Diesel Emissions Reduction Act (DERA) award to the Georgia Ports Authority.

While locomotives conventionally idle to maintain battery voltage, water temperature, and air-brake pressure, AESS devices permit engines to run

only as long as needed. If, while a locomotive engine is off, any parameter drops below a certain level, the engine restarts automatically. The devices are expected to save about 50,000 gallons of diesel and reduce emissions by about 18 tons per year. More information is available at <http://www.progressiverailroading.com/mechanical/news/Savannah-ports-11-locomotives-sport-idlecontrol-devices--30016>.

NESCAUM Chooses Hotstart for Locomotive APU Project

Northeast States for Coordinated Air Use Management (NESCAUM), a nonprofit association of New England air quality agencies, recently chose Hotstart, a manufacturer of diesel engine heaters, to provide APUs for its New England Locomotive Idle Reduction Project. The APUs will be installed on 27 locomotives from six railroads. In 2010, EPA awarded NESCAUM \$850,000 for the project through its National Clean Diesel Funding Assistance Program.

Hotstart, based in Spokane, Washington, manufactures APUs that circulate heated coolant through the engine block, compressor, expansion tank, and oil cooler. The coolant keeps a locomotive's water system warm while the engine is off. According to Hotstart, the NESCAUM project marks the ninth EPA-funded locomotive idling reduction project that uses Hotstart technology. For more information, please see <http://hotstart.com/home/who-we-are/news/hotstart-selected-as-partner-to-provide-auxiliary-power-units-in-northeast-idle-reduction-program/>.

ENFORCEMENT

Enforcement of Idling Law Negligible in New York City

An idling ordinance is, of course, no guarantee of compliance. New York City, which passed its first idling law in 1971, strengthened its idling law in 2009. While idling had previously been limited to 3 minutes, now motorists near schools could idle for no more than 1 minute. The revised law also authorized additional city agencies—the Department of Parks and Recreation and the Department of Sanitation—to enforce the idling law.

According to CNN, however, in fiscal year (FY) 2011, traffic enforcement agents wrote fewer than 3,000 idling tickets, averaging just above one ticket per agent. (The same agents issue about 10 million parking tickets each year.) Environmental activists are speaking out against noncompliance and lack of enforcement. For more information, please see http://www.cnn.com/2012/02/06/health/engines-new-york-law/index.html?hpt=hp_bn10. Source: Michael Laughlin, Energetics Incorporated

OTHER NEWS OF INTEREST

DERA's Dusk

EPA's proposed budget for FY2013 reduces the allocation for DERA funding from the \$30 million enacted for FY2012 to \$15 million. Both budgets are a slim fraction of the \$100 million per year allotted in the January 2011 5-year reauthorization of DERA.

In the proposed budget, the EPA describes a transition away from "ongoing federal support" toward "rebates and revolving loan funds." The agency also states that the smaller pool of resources will be targeted to communities in high-emissions areas, such as those near ports and freight-distribution centers. The proposal also calls for making funds available for the first time to private fleets.

DERA, created under the Energy Policy Act of 2005, was designed to improve air quality and public health through reduced diesel emissions. The Act has funded retrofits (including idling reduction technology), repowers, replacements, and other projects through EPA grant programs. National competitive grant programs have included the National Funding Assistance Program, the SmartWay Clean Diesel Finance Program, and the Emerging Technologies Program. Through the State Grant Allocation Program, states have funded emissions-reduction projects of their choice.

According to Allen Schaeffer, Executive Director of the Diesel Technology Forum, every DERA dollar spent has returned \$13 in health and environmental benefits. For more information, please see http://www.epa.gov/planandbudget/annualplan/FY2013_BIB.pdf and <http://www.prnewswire.com/news-releases/epas-2013-budget-proposal-is-penny-wise-and-pound-foolish-in-further-slashing-of-successful-diesel-emissions-reduction-efforts-139292363.html>.

Washington Emergency Vehicles To Reduce Idling

In Washington State, Thurston County fire districts are working with the Department of Ecology to finance the purchase of emission-reduction equipment for their vehicles. Fire engines will be equipped with auxiliary generators and ambulances with auxiliary batteries, allowing these vehicle engines to be shut down and power provided from less fuel-intensive and polluting sources. While the value of clean air is generally acknowledged, the benefits of reducing air toxins where emergency personnel are attending to people with life-threatening conditions are especially obvious.

On February 23, 2012, the Thurston County fire districts demonstrated the new technology at an event in the state's capitol. The state's Department of Ecology is providing \$250,000 for the installation of emission controls on 83 vehicles, plus \$390,000 for idling reduction technology for 40 vehicles. The Department estimates that the fire districts will, over the next 10 to 15 years, save up to \$10 million in fuel and maintenance costs. For more information, please see <http://www.ecy.wa.gov/news/2012/063.html>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

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Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	Massachusetts*	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
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EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4),

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- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- **Idle Free Systems** (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 19 states. AireDock, CabAire,

EnviroDock, IdleAir, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users

locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

Editor

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National Idling Reduction Network News

January 2012

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$273,000 (as of January 27, 2012)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
Ohio Environmental Protection Agency (EPA)	Diesel Emission Reduction Grant Program	\$10 million	TBA, March and September 2012	http://www.epa.state.oh.us/oeef/derg.aspx

National Idling Reduction Network News

January 2012

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Baltimore Regional Transportation Board	Congestion Mitigation and Air Quality (CMAQ) Funded Transportation Emission Reduction Projects	~\$800,000	February 15, 2012	http://www.baltometro.org/content/view/1480
U.S. Department of Transportation (DOT)	TIGER IV (Transportation Investment Generating Economic Recovery)	\$500 million	February 20, 2012, for pre-applications; March 19, 2012, for final applications	http://www.dot.gov/tiger/
U.S. Environmental Protection Agency (EPA) Region 2	Environmental Quality Awards	N/A	February 21, 2012	http://www.epa.gov/region2/eqa
California Energy Commission	Energy Innovations Small Grant Transportation Program—Electricity	Indeterminate	February 29, 2012	http://www.energy.ca.gov/contracts/smallgrant/index.html
U.S. EPA	Environmental Justice Small Grants Program	\$1 million	February 29, 2012	http://www.epa.gov/compliance/environmentaljustice/grants/ej-smgrants.html
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	March 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
North Central Texas Council of Governments (NCTCOG)	North Central Texas Clean School Bus Program	~\$500,000	March 16, 2012	http://www.nctcog.org/trans/air/vehicles/investments/funding/index.asp
Tennessee Department of Environment and Conservation	Clean Tennessee Energy Grant Program	~\$5.28 million	March 30, 2012	http://eerc.ra.utk.edu/etcfc/docs/2012/ctegp/CTEGP_Application-Manual.pdf
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 1, 2012	http://www.energy.state.md.us/Transportation/idle/index.html
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

ATRI Updates Compendium of Idling Regulations

The American Transportation Research Institute (ATRI) has updated its compendium of idling regulations to include recent changes, including those in Oregon and Utah. Oregon's new law restricting truck idling to 5 minutes or less took effect January 1, and Salt Lake City, Utah, now limits idling to 2 minutes or less. Additionally, an exemption to West Virginia's 15-minute

idling limit—the exemption allowing truck operators to power HVAC during a sleep or rest period—is scheduled to expire on May 1, 2012. ATRI's online resource offers links to not only individual regulations but to a printable cab-reference file. To access the resource, please go to <http://www.atri-online.org/> and click on the compendium link at the left.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
CARB	U.S.EPA	Emissions reduction projects, including the replacement of 18 older locomotives with gen-set locomotives in Southern California	\$14 million
Curlew School District (Ferry County, Washington)	Washington Department of Ecology	Purchase and installation of idling reduction technology for 5 school buses	\$14,223
Entiat School District (Chelan County, Washington)	Washington Department of Ecology	Purchase and installation of idling reduction technology for 5 school buses	\$20,151
Lind School District (Adams County, Washington)	Washington Department of Ecology	Purchase and installation of idling reduction technology for 8 school buses	\$46,978
Methow Valley School District (Okanogan County, Washington)	Washington Department of Ecology	Purchase and installation of idling reduction technology for 10 school buses	\$42,366
Mount Vernon School District (Skagit County, Washington)	Washington Department of Ecology	Purchase and installation of idling reduction technology for 35 school buses	~\$137,000
Oak Harbor School District (Island County, Washington)	Washington Department of Ecology	Purchase and installation of idling reduction technology for 38 school buses	\$150,408
White Salmon School District (Klickitat County, Washington)	Washington Department of Ecology	Purchase and installation of idling reduction technology for 12 school buses	\$50,887

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Clean Air at Schools: Engines Off (CASEO)	Caution: Children Breathing—An Overview of Air Pollution and Idling Vehicles at Colorado Schools	http://enginesoff.com/pdfs/CASEO-Background-Report.pdf
Frost and Sullivan	Strategic Analysis of Alternative Powertrain Technologies in the European Diesel Locomotive and Railcar Market	Summary and ordering information available at http://www.frost.com/prod/servlet/report-toc.pag?repid=M6DB-01-00-00-00
Transportation Research Board (TRB)	Handbook for Considering Practical Greenhouse Gas Emission Reduction Strategies for Airports	http://onlinepubs.trb.org/onlinepubs/acrp/acrp_rpt_056.pdf
U.S. EPA West Coast Diesel Collaborative	Diesel Emission Reduction Act (DERA) 2008–2011: Grant Benefits in USEPA Regions 9 and 10	http://www.epa.gov/region9/mediacenter/sjv-tour/dera-total-grants_nov11.pdf

UPCOMING MEETINGS AND EVENTS

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MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Workshop: Development of the AB 118 Air Quality Improvement Program (AQIP) Funding Plan for Fiscal Year 2012–13	Sacramento, California	February 2, 2012	http://www.arb.ca.gov/msprog/aqip/fundplan/fundplan.htm
Mid-West Truck Show	Peoria, Illinois	February 3–4, 2012	http://www.midwesttruckshow.com/
CalHEAT Forum 2012	Stockton, California	February 22, 2012	http://www.calstart.org/Projects/CalHEAT.aspx
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx
2012 Mid-America Trucking Show	Louisville, Kentucky	March 22–24, 2012	http://www.truckingshow.com
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html
2012 Department of Energy (DOE) Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 14–18, 2012	http://www.annualmeritreview.energy.gov
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	http://www.governmentfleetexpo.com/
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx

PARKING SPACES FOR TRUCKS

Maryland Launches Emergency Truck Parking Program

The Maryland DOT, in collaboration with the Maryland Motor Truck Association (MMTA) and the I-95 Corridor Coalition, has created a pilot program to help truck drivers find safe parking in heavy (6+ inches) snowfall. The program, which offers drivers six emergency locations, will reduce the number of truck operators who need to park on ramps and shoulders in such weather. The list of locations, which includes the 38 regular truck parking locations, is available electronically and may be downloaded as a

PDF. Users accessing the application through newer mobile devices will be able to see which available lots are nearest and click for distance and directions. For more information, please see http://www.landlinemag.com/todays_news/Daily/2011/Dec11/122611/122711-06.shtml. Maryland's Emergency Truck Parking Portal is available at <http://www.roads.maryland.gov/Pages/Emergencytruckparking.aspx?PageId=856>.

ELECTRIFIED PARKING SPACES

West Coast's Interstate 5 To Be the First Completed TSE Corridor

In 2012, Interstate 5, a 1,000+ mile route running from northern Washington through Oregon to southern California, will become the first well-equipped truck stop electrification (TSE) freight corridor. Long-haul truck drivers will find TSE installations at intervals of no more than every 200 miles.

The DOE-funded Shorepower Truck Electrification Project (STEP), administered by Cascade Sierra Solutions in partnership with Shorepower Technologies, is advancing toward its goal of completing electrification of this corridor this year. The new installations will be located in Bakersfield, Dunnigan, Lebec, Lodi, and Weed, California, and Canyonville, Oregon. Each will have between 24 and 48 parking spaces.

Shore power, or wayside power, allows drivers of trucks equipped with electric-standby capability to turn off their engines during rest periods and pull power from an electric pedestal for HVAC, communication devices, and other needs.



STEP is funded through the American Recovery and Reinvestment Act (ARRA). When the project is complete, power pedestals will be available at 50 truck stops on 10 interstate freight corridors. For more information, please see [http://www.the-step-project.org/blog/i-5-tse-network-comes-into-](http://www.the-step-project.org/blog/i-5-tse-network-comes-into-view/)

[view/](http://www.the-step-project.org/). More about the STEP program, including information about TSE equipment rebates for trucks, is available at <http://www.the-step-project.org/>. (Image: Courtesy of Shorepower Technologies)

RAILROADS

Fuel Savings for Locomotive APUs Exceed Expectations in Missoula

Fuel savings associated with APUs installed on Montana Rail Link locomotives in Missoula, Montana, have far exceeded expectations. According to the Missoula Office of Planning and Grants (OPG), between July 2010 and July 2011, the use of the Hotstart APUs on 34 locomotives yielded a 951,500-gallon fuel savings; the estimated savings had been 471,676 gallons.

Before the installation of the APUs, annual locomotive idling hours were calculated at 248,200. After installation, locomotive idling hours fell to 49,342, for an 80% reduction. Based on actual performance, the estimated lifetime (~11 years) fuel savings has been revised from 4.8 million gallons to 10.7 million gallons.

The Hotstart APU circulates oil and water through the locomotive engine to keep it warm while it is shut down. While a locomotive engine has 20 cylinders and consumes 4–5 gallons of fuel per hour, the two-cylinder Hotstart APU uses just half a gallon per hour.

The locomotive APU project was funded by a \$1.13 million EPA National Clean Diesel grant awarded to the Missoula Metropolitan Planning Organization in 2010. The link <http://www.ci.missoula.mt.us/DocumentView.aspx?DID=7891> contains more information. For more information about Hotstart APUs, please go to <http://www.hotstart.com/>.

EDUCATION, OUTREACH, AND CAMPAIGNS

Engines Off! Colorado

Through its Engines Off! campaign, the Denver Department of Environmental Health is seeking to reduce “voluntary idling”—the idling that occurs while we wait in drive-through lines or near schools to pick up our children. The campaign reminds us that unless we drive an old classic

equipped with a carburetor (late 1980s and earlier), idling for even 10 seconds uses more fuel than restarting the engine. The campaign suggests that motorists who expect to be stopped for more than 30 seconds turn off their vehicles.

Clean Air at Schools: Engines Off (CASEO), a partnership between federal and local governments, county school districts, regional air quality planners and nonprofit organizations, focuses on improving air quality near schools. CASEO has launched a pilot program to reduce air pollution through education, collecting no-idling pledges from school employees and families, and installing emissions reduction devices, including engine preheaters to reduce idling, on school buses. According to Colorado Springs' *The Gazette*, Cindy Hardin, an area school district transportation director, says that since the no-idling signs were installed near the district transportation buildings, "even visitors dropping off payments or bus applications are turning off their engines."

In Denver, idling is restricted to 5 minutes in a 60-minute period. Engines Off!, the goal of which is to foster voluntary behavior change so that enforcement is necessary only as a last resort, is made possible by federal CMAQ grant funds received through the Colorado Department of Transportation. To learn more about Engines Off!, please go to <http://enginesoff.com/>. For more information about CASEO's work, please see <http://www.gazette.com/articles/district-130619-around-turning.html> and <http://www.denvercleancities.org/CASEO.html>. Denver's idling ordinance is available at <http://enginesoff.com/about-ordinance.html>. (Image: Courtesy of the Denver Department of Environmental Health)



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Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois	<i>Massachusetts*</i>	New Hampshire	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
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- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 19 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is

the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users

locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to

http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

December 2011

SOLICITATIONS FOR FUNDING AND AWARDS

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$273,000 (as of November 16, 2011)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
Ohio Environmental Protection Agency (EPA)	Diesel Emission Reduction Grant Program	\$10 million	TBA, March and September 2012	http://www.epa.state.oh.us/oeef/derg.aspx

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
CARB	Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$11 million	January 16, 2012	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
U.S. Environmental Protection Agency (EPA) Region 2	Environmental Quality Awards	N/A	February 21, 2012	http://www.epa.gov/region2/eqa
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	March 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 1, 2012	http://www.energy.state.md.us/Transportation/idle/index.html
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Michigan Lawmakers Propose Idling Limits

Michigan legislators have introduced a bill that would limit the idling of 8,500+-pound road vehicles. As introduced, Senate Bill (SB) 819 would restrict the idling of such vehicles, whether gasoline or diesel-powered, to 5 minutes in any 60-minute period. Exemptions include passenger buses, including school buses, which may idle for up to 15 minutes in a 60-minute period for passenger comfort, and delivery trucks, which may idle up to 30 minutes while drivers are waiting to load or unload. Idling would also be permitted to power medical devices, such as continuous positive airway pressure (CPAP) machines, used during rest periods.

In the 6 months after the law's effective date, violations of the 5-minute rule would be met with fines of up to \$250, and violations of the 30-minute loading/unloading rule with fines of \$75. After the grace period, fines would double. SB819 is currently in the Committee on Transportation. Please go to http://www.landlinemag.com/todays_news/Daily/2011/Nov11/112811/112911-04.shtml for more information. To read the text of the bill as introduced, please click on <http://www.legislature.mi.gov/documents/2011-2012/billintroduced/Senate/pdf/2011-SIB-0819.pdf>.

Oregon Idling Law Goes into Effect

A law passed by Oregon legislators last summer, House Bill 2081, goes into effect on January 1. In Oregon, heavy-duty vehicles must now limit idling to no more than 5 minutes in a 60-minute period. Numerous exemptions include those for loading and unloading and rest periods when the outside

temperature is less than 50°F or more than 75°F. The penalty for violations is a \$180 fine. For more information about the law, please go to <http://www.oregon.gov/ODOT/MCT/docs/911.pdf?ga=t>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Greenaction for Health and Environmental Justice (Kettleman City and Avenal Kings County, California)	EPA	Creation of a replicable diesel emissions education program model that includes community outreach to encourage both behavior changes (compliance with idling laws) and equipment changes for reduced emissions	\$25,000
National School Transportation Association (Alexandria, Virginia)	EPA	Replacement of 3 older diesel school buses, retrofit of 40 older school buses with emission-control and idling-reduction technologies, and installation of technologies on an additional 118 school buses	\$460,753
Southeastern Pennsylvania Transportation Authority (SEPTA)	EPA	Repower of a conventional diesel locomotive with two gen-sets and installation of a diesel particulate filter	\$1.2 million
Metra (northeast Illinois commuter rail system)	U.S. Department of Transportation (DOT), Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER)	Installation of idling-reduction technology on 10 of Metra's Rock Island District and Milwaukee District locomotives	\$2.2 million
Crooksville Exempted Village School District (Perry County, Ohio)	Ohio EPA	Installation of diesel oxidation catalysts on 10 buses and idling-reduction equipment on 12 buses	\$45,405
Eastern Local School District (Meigs County, Ohio)	Ohio EPA	Installation of idling-reduction equipment on 13 buses	\$24,310
Granville Exempted Village School District (Licking County, Ohio)	Ohio EPA	Installation of idling-reduction equipment on 26 buses	\$62,655
West Holmes Local School District (Holmes County, Ohio)	Ohio EPA	Installation of idling-reduction equipment on 29 buses	\$61,770
Wooster City Schools (Wayne County, Ohio)	Ohio EPA	Installation of idling-reduction equipment on 13 buses	\$37,611

Energy Xtreme and Navman Wireless Make *Forbes* Top 100 List

Two companies that offer idling reduction–related products have been named to *Forbes* magazine’s list of America’s Most-Promising Companies. The companies made the list based on the strength of their business models, management teams, strategic partners, and investment capital.

Energy Xtreme, headquartered in Austin, Texas, provides idling-reduction solutions for the emergency-vehicle and utility-vehicle markets. Products provide power to run vehicles’ electrical needs, such as warning lights, computers, and hydraulics, without engaging the vehicle’s engine. Energy Xtreme’s products are used by AT&T, as well as by a number of city and state government agencies nationwide. In March, the company received the 2011 National Truck Equipment Association’s Green Truck Award. Energy Xtreme was also recently named a finalist for the Platts Energy Commercial Technology of the Year Award, which focuses on new technologies in the clean-energy sector.

Navman Wireless (Glenview, Illinois) produces GPS fleet-tracking systems that enable corporate and construction vehicle fleet managers to analyze and reduce fuel, labor, and vehicle operating costs. The company’s OnlineAVL2 fleet-tracking platform monitors vehicle location and driver behavior, including excessive idling, in real time. In November, Navman Wireless won a Chicago Innovation Award for developing a combined on- and off-road vehicle-tracking platform that combines its OnlineAVL2 software with the new GPS-based Qtanium 300 in-vehicle hardware, which is designed to withstand the harsh construction environment.

For more information, please see http://www.forbes.com/lists/2011/28/most-promising-companies-11_Energy-Xtreme_PPZS.html and http://www.forbes.com/lists/2011/28/most-promising-companies-11_Navman-Wireless_65NO.html.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
EPA	DERA: Technologies, Fleets, and Projects Information: Working Draft Version 1.0	http://www.epa.gov/cleandiesel/documents/420p11001.pdf
Pike Research	Fuel Cells for Auxiliary Power Unit Applications: Marine, Trucking, Aviation, and RV Applications: Market Analysis and Forecasts	Summary and ordering information available at http://www.pikeresearch.com/research/fuel-cells-for-auxiliary-power-unit-applications
Transportation Research Board (TRB)	A Guidebook for Sustainability Performance Measurement for Transportation Agencies	http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_708.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Green Transportation Conference	Salem, Oregon	January 11, 2012	http://www.cascadesierrasolutions.org/Documents/Green_Transportation_Conference_Agenda.pdf
TRB's 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
Society of Automotive Engineers (SAE) Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 25–27, 2012	http://www.sae.org/events/gim/
CARB Public Workshop: Development of the AB 118 Air Quality Improvement Program (AQIP) Funding Plan for Fiscal Year 2012–13	Sacramento, California	February 2, 2012	http://www.arb.ca.gov/msprog/aqip/fundplan/fundplan.htm
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx
2012 Mid-America Trucking Show	Louisville, Kentucky	March 22–24, 2012	http://www.truckingshow.com/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html
2012 Department of Energy (DOE) Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 14–18, 2012	http://www.annualmeritreview.energy.gov
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	http://www.governmentfleetexpo.com/
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	http://www.greenfleetconference.com/Page/Overview.aspx

MANUFACTURERS' NEWS

CARB Approves Terex HyPower for PTO Applications

CARB has approved Terex Utilities (Watertown, South Dakota) HyPower hybrid system for use in power take-off–equipped (PTO) heavy-duty, diesel-fueled, 10,000+-pound vehicles. The absorbed glass mat (AGM) battery-powered system, which is charged with the use of a standard (110-volt, 15-amp) outlet, is designed to power vehicles' nonpropulsion functions, such as booms. If the battery charge falls below a certain level, the system

automatically starts the engine to recharge it. According to the Terex, the technology can save up to 1,500 gallons of fuel per year based on 7,000 travel miles and 1,250 job-site hours annually and can be retrofitted onto older trucks. For more about the HyPower system, please go to <http://www.terexhypower.com/>.

Havis Launches IdleRight2

Havis (Warminster, Pennsylvania), which produces power-management tools for law-enforcement, emergency, construction, and utility vehicles, is launching a new generation of its idling-reduction and fuel management system. According to Havis, the IdleRight2 improves on the original IdleRight with a reduced price (approximately \$150, down from \$450), simplified installation, a diagnostics system, and a return-on-investment calculator. Vehicles that might have consumed 4 gallons of fuel while idling at an emergency scene or construction site would, with the device, use less than one-quarter gallon of fuel, according to the company's website. The IdleRight2 works with both gasoline- and diesel-powered vehicles.

Havis also manufactures the ChargeGuard auto shut-off timer, which prevents battery drain and provides voltage protection for electronics. More information about Havis's power-management products is available at <http://www.havis.com>. (Photo courtesy of Havis, Inc.)



ELECTRIFIED PARKING SPACES

Delaware Distribution Facility Ditches Diesel for Electricity

At Trinity Distribution Services, in New Castle, Delaware, 20 diesel generators used to power refrigerated storage containers have given way to the use of electricity.

The electrification project is the result of an agreement between the Delaware Department of Natural Resources and Environmental Control (DNREC) and DuPont. As a condition of its Delaware Coastal Zone permit, DuPont provided \$225,000 to replace Trinity's diesel generators with electrified outlets to offset air emissions from two new boilers at the

company's Wilmington facility. DuPont paid an additional \$25,000 to fund the project's technical and administrative oversight by the Clean Air Council, a nonprofit environmental organization.

According to DNREC, the use of electricity to power refrigerated storage containers at the Trinity facility is expected to eliminate up to 120 tons of air pollutants annually. More information is available at <http://www.dnrec.delaware.gov/News/Pages/DNREC-Clean-Air-Council-and-DuPont-Announce-.aspx>.

RAILROADS

It's Lean, It's Green, and It's a Locomotive

Tube City IMS, a Gary, Indiana, provider of pre- and post-production mill services for the steel industry, is set to receive a repowered locomotive designed to sharply reduce idling time.

According to a South Shore Clean Cities white paper, the repowered locomotive is expected to yield fuel savings of 60% to 70% and annually reduce emissions of fine particulates and nitrogen oxides by 1,000 pounds and 40,000 pounds, respectively. These air quality benefits are estimated to be the equivalent of permanently removing 20 heavy-duty diesel trucks from the road, according to Shawn Seals, administrator of the Indiana

Department of Environmental Management's (IDEM) DieselWise program. Tube City IMS, with assistance from South Shore Clean Cities, received a \$215,000 grant from IDEM for the repower project.

For more information about Tube City's acquisition of the locomotive, please see http://www.nwitimes.com/business/local/lean-and-green-locomotive-coming-to-gary/article_0660d936-6658-58c7-b1ee-05975c311020.html. More information about Lean and Green Locomotive may be found at <http://www.leanandgreenlocomotive.com/>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the U.S. DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling-reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idling-reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois†	Massachusetts*	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process. †Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at <http://www.atr-online.org/> (click on the compendium link at the left) and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmidatlantic.org/diesel/funding.htm>; Southeast

Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling-reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?selectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 19 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

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North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$273,000 (as of November 16, 2011)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
Manitoba Infrastructure and Transportation, University of Manitoba Transport Institute, and the Manitoba Trucking Association	GrEEEn (Economically and Environmentally Efficient) Trucking Incentive Program	Can\$225,000	First come, first served through December 16, 2011	http://www.greentrucking.ca/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.energymaine.com/at-work-for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000 (as of August 23, 2011)	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov/
CARB	Advanced Technology Demonstration Project: Advanced Hybrid Technologies in School Buses	\$1 million	December 14, 2011	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$8 million	December 14, 2011 (Round 1), and July 25, 2012 (Round 2)	http://www.nyseda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx
Pennsylvania Department of Environmental Protection	Pennsylvania State Clean Diesel Grant Program	\$561,946	December 15, 2011	http://www.dep.state.pa.us/dep/deputate/airwaste/aq/default.htm
Mid-America Regional Council (Missouri)	Clean Diesel Grant Program	Not available	December 16, 2011	http://marc.org/environment/airq/cleandieselfrp.asp
Ozarks Center for Sustainable Solutions (Missouri)	Clean Diesel Grant Program	Not available	December 16, 2011	http://www.drury.edu/multinl/story.cfm?ID=27049&NLID=387
Southeast Missouri Regional Planning and Economic Development Commission (Missouri)	Clean Diesel Grant Program	Not available	December 16, 2011	http://www.semorpc.org/dera.html
St. Louis Regional Clean Cities (Missouri)	Clean Diesel Grant Program	Not available	December 16, 2011	http://www.stlcleancities.org/
Minnesota Pollution Control Agency	Diesel Emission Reduction Act (DERA) Grant Program	\$350,000	December 22, 2011	http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/motor-vehicle-pollution/grants/financial-assistance-for-clean-diesel-projects.html
U.S. Environmental Protection Agency (EPA)	2011 Presidential Innovation Award Program for Environmental Educators	\$2,000 per award	December 30, 2011	www.epa.gov/education/teacheraward

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
NYSERDA	New York State Clean Air School Bus Program, Round 3 (now includes coolant heaters)	~\$2.6 million	December 30, 2011 (or when funds are exhausted)	http://www.nyserda.org/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Ohio EPA	Diesel Emission Reduction Grant Program	\$10 million	TBA, January 2012	http://www.epa.state.oh.us/oeef/derg.aspx
CARB	Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$11 million	January 16, 2012	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	March 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 1, 2012	http://www.energy.state.md.us/Transportation/idle/index.html
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

New TCEQ Idling Rules in Force

The 2011 revision to the Texas Commission on Environmental Quality's (TCEQ) 5-minute idling rule, which applies to vehicles weighing 14,000+ pounds, took effect November 7, 2011. The 5-minute idling rule is now in effect year round, not just between April 1 and October 1. Exemptions to the rule include engine idling to provide heat or air conditioning for drivers using sleeper berths during federally mandated rest periods. Armored vehicles are now also exempt from the idling restrictions.

The goal of TCEQ's idling rule is to improve air quality in Dallas and throughout the nine-county ozone nonattainment region. For more information, please go to http://www.greendallas.net/air_quality_engineoff.html.

Senate Transportation Bill Includes “Jason’s Law” Provision

Jason’s Law, which seeks to remedy the shortage of long-term parking for truck drivers and has struggled for passage as its own bill, has been rolled into an \$85 billion Senate transportation bill. Senate Bill 1813 (S.1813), also called Moving Ahead for Progress in the 21st Century, seeks to reauthorize federal-aid highway and highway safety construction programs. On November 9, 2011, the Senate Environment and Public Works Committee approved S.1813 in an 18–0 vote.

Section 1401 of the proposed bill supports the provision of safe rest areas for truck drivers through: the construction of new facilities; the opening of existing facilities to commercial truck parking; and the promotion of publicly

or privately provided commercial truck parking on the National Highway System using intelligent transportation systems and other means.

Jason’s Law is named for Jason Rivenburg, a truck driver who, in the spring of 2009, was turned away from his delivery destination because he arrived too early. He parked at an abandoned gas station where he was robbed and murdered. For more information, please see http://www.landlinemag.com/todays_news/Daily/2011/Nov11/110711/110911-01.shtml. The text of S.1813 can be found at http://epw.senate.gov/public/index.cfm?FuseAction=Files.View&FileStore_id=20f89548-8b2e-4498-89f7-c9f4ff22484f. To read the text pertaining to Jason’s Law, please search for “Sec. 1401.”

NHTSA and EPA Propose CAFE Standards

On November 16, 2011, the U.S. Department of Transportation’s (DOT) National Highway Traffic Safety Administration (NHTSA) and the EPA issued a joint proposal, “2017 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions and Corporate Average Fuel Economy (CAFE) Standards.” The proposal would increase fuel economy for cars and light-duty trucks to 54.5 miles per gallon by model year 2025.

The proposed standards are expected to spur the development of innovative technologies such as automatic stop/start, which allows the engine to turn off when a vehicle is stopped in traffic. After the proposed rulemaking is published in the *Federal Register*, there will be a 60-day public comment period. More information is available at <http://www.nhtsa.gov/fuel-economy>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Alabama State Port Authority	EPA	Repower of a locomotive with gen-set technology	\$953,921
Center for Transportation and Environment (Atlanta, Georgia)	EPA	Repower of diesel ground-support equipment with electric power	\$1.4 million
Clean Fuels Ohio	EPA	Installation of exhaust and idle controls on, or replacement of, school buses, refuse haulers, construction equipment, and long-haul trucks	\$716,073

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Idaho Department of Environmental Quality	EPA	Installation of diesel oxidation catalysts, closed crankcase ventilation systems, and fuel operated heaters (FOHs) on 16 buses	\$62,237
Illinois EPA	EPA	Engine repowers and installation of diesel-fired heaters, battery air-conditioning systems, and exhaust controls on long-haul trucks and other vehicles	\$822,308
Kansas Department of Health and Environment	EPA	Replacement and repower projects and retrofit of 59 school buses with FOHs	\$343,451
Leonardo Academy (Madison, Wisconsin)	EPA	Engine repower projects and implementation of idle reduction technologies, including battery air-conditioning systems and FOHs	\$900,000
Mecklenburg County Air Quality Department, North Carolina	EPA	Repower or replacement of 126 pieces of diesel cargo-handling equipment with cleaner diesel or electric equipment (AeroGRADE+ project)	\$800,000
Missouri Department of Natural Resources (MDNR)	EPA	Retrofit and replacement projects, including installation of FOHs on 100+ school buses and installation of 8 automatic engine shutdown/startup devices (AESSDs) on switch locomotives	\$999,460
MDNR	EPA	Repower or retrofit of 42 diesel engines, including installation of AESSDs on 5 locomotives	\$947,338
National School Transportation Association (New York)	EPA	Replacement of 3 school buses and retrofit of 155 school buses with diesel oxidation catalysts and/or idle reduction technologies	\$460,753
New York City Department of Small Business Services	EPA	Repower of 2 short-haul locomotives, including one with gen-set technology	\$2 million
San Joaquin Valley Air Pollution Control District (California)	EPA	Repower of 2 locomotives with gen-set technology	\$2 million
State of Florida	Federal Highway Administration	Development of 90 new truck parking spaces at the I-595 Truck Stop in Broward County, Florida	\$1+ million

Northwest Ports Accept Environmental Achievement Award

At its annual conference in November, the Air and Waste Management Association, Pacific Northwest International Section, presented an Environmental Achievement Award to the ports of Tacoma, Seattle, and Metro Vancouver, B.C. The Association recognized the ports for their work

to reduce seaport-related emissions and waste. In addition to the use of shore power at berth, the implementation of retrofits, replacements, and low-sulfur fuels contributed to the clean-air gains.

In 2008, the three ports came together to create the Northwest Ports Clean Air Strategy to reduce emissions from ocean-going vessels, harbor craft, cargo-handling equipment, trucks, and rail operations. For more about the

ports' Clean Air Strategy and a link to the 2010 implementation report, please see <http://www.portoftacoma.com/nwpcas>.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Transportation Research Board (TRB)	Policy Options for Reducing Energy Use and Greenhouse Gas Emissions from U.S. Transportation	http://www.trb.org/Main/Blurbs/165535.aspx?utm_medium=email&utm_source=Transportation%20Research%20Board&utm_campaign=TRB+E-Newsletter+-+11-01-2011&utm_content=Customer&utm_term=

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Diesel Vehicle Regulation Overview	Costa Mesa, California	December 8, 2011	http://www.arb.ca.gov/training/courses.php?course=512
TRB's 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
Society of Automotive Engineers (SAE) Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 25–27, 2012	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx
2012 Mid-America Trucking Show	Louisville, Kentucky	March 22–24, 2012	http://www.truckingshow.com/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html
2012 DOE Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 14–18, 2012	http://www.annualmeritreview.energy.gov
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	http://www.governmentfleetexpo.com/

MANUFACTURERS' NEWS

Glacier Bay Pulls Plug, Seeks Buyer

On November 7, 2011, California-based Glacier Bay Technology ceased manufacturing, sales, and service operations. The manufacturer is working to secure a buyer for the ClimaCab product line, as well as its other

products, technologies, and intellectual property related to energy control and power management.

Espar Introduces the E-Delivery Truck Kit

Espar's E-Delivery Truck Kit, a feature of the company's 17,000-BTU Hydronic 5 fuel-operated engine preheater, permits on-demand, engine-off cab heating while drivers are on delivery. With a dash-mounted switch, operators can use a "set and forget" programmable timer to enable heat to

run from 5 minutes to 60 minutes. The system monitors battery levels to ensure that operational power is not compromised. For more information, please click on <http://www.espar.com>.

ELECTRIFIED PARKING SPACES

IdleAIR Opens Two New Locations

IdleAIR recently opened new locations in Dalton, Georgia, and White Pine, Tennessee, bringing the company's total to 23 sites in 9 states. In November, IdleAIR provided service at these two locations free of charge.

IdleAIR provides HVAC, 120-volt electricity, DirecTV, and basic internet service for an hourly rate. For more information about IdleAIR, please go to <http://www.idleair.com/>.

PORTS

POLB Equips Fourth Terminal for Shore Power

On November 14, 2011, the Port of Long Beach (POLB) dedicated its fourth shore power installation at Pier C. According to a POLB fact sheet, the \$6.4 million project will—factoring in the emissions produced at power

plants—reduce air pollution by 95% overall. The 6-MW shore power system (equivalent to the electricity required to power about 4,000 homes) will serve about 100 vessel calls every year.

The Pier C shipping container facility is operated by Matson Navigation and SSA Terminals, Inc. By 2014, 50% of container ship visits at California ports

will require the use of shore power. More information is available at <http://www.polb.com/civica/filebank/blobdload.asp?BlobID=9157>.

EDUCATION, CAMPAIGNS, AND OUTREACH

Student-Produced PSA Reveals Idling Villains CO, NOx, and Benzene

Some high school students in Louisville, Kentucky, recently behaved badly—for a good cause. A local television station interested in broadcasting a public service announcement (PSA) about the pollution effects of vehicle idling contacted high school mass media teacher Mary Beth Coffman for help. The Sellersburg, Indiana, Silver Creek High School teacher led her students in producing a light-yet-informative 30-second video, in which chemical villains carbon monoxide (CO), nitrogen oxide (NOx), and benzene bully folks who are simply trying to enjoy the outdoors.

At its November 16, 2011, board meeting, the Louisville metro-area Air Pollution Control District (APCD) recognized the high school students for their role in producing the video. Ms. Coffman said, “From comments the kids have made since the commercial, I know that many of our driving habits have changed for the better.”

Please see <http://www.youtube.com/watch?v=I0T7naY56Rw&feature=youtu.be> for the video. For more information, please go to <http://www.wfpl.org/2011/11/16/new-albany-students-recognized-for-anti-idling-psa/> and <http://www.louisvilleky.gov/APCD/Idling/>. (Image courtesy of Kentuckiana Air Education [KAIRE], Louisville’s APCD community outreach and education program.)



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.
For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois†	<i>Massachusetts*</i>	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process. †Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at <http://www.atri-online.org/> (click on the compendium link at the left) and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast

Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>)—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)

- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)

- Fraser Basin Council
(<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems
(<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada
(http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto
(http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 19 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	\$273,000 (as of October 24, 2011)	First come, first served.	http://daq.state.nc.us/motor/Rebates/
Manitoba Infrastructure and Transportation, University of Manitoba Transport Institute, and the Manitoba Trucking Association	GrEEEn (Economically and Environmentally Efficient) Trucking Incentive Program	Can\$225,000	First come, first served through December 16, 2011	http://www.greentrucking.ca/
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000 (as of August 23, 2011)	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov
U.S. Environmental Protection Agency (EPA)	Environmental Education Grants Program	~\$1.5 million	November 8, 2011	http://www.epa.gov/education/grants.html
Michigan Department of Environmental Quality	Michigan Clean Diesel Initiative	~\$800,000	November 16, 2011	http://www.michigan.gov/deq/0,4561,7-135-3310-198413--,00.html
Louisiana Department of Environmental Quality	Louisiana Clean Diesel Grant Program	~\$426,000	December 1, 2011	http://www.deq.louisiana.gov/portal/NEWS/DERA2011Solicitation.aspx
CARB	Advanced Technology Demonstration Project: Advanced Hybrid Technologies in School Buses	\$1 million	December 14, 2011	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
Ozarks Center for Sustainable Solutions (Missouri)	Clean Diesel Grant Program	Not available	December 15, 2011	http://www.drury.edu/multinl/story.cfm?ID=27049&NLID=387
Mid-America Regional Council (Missouri)	Clean Diesel Grant Program	Not available	December 16, 2011	http://marc.org/environment/airq/cleandieselrfrp.asp
Southeast Missouri Regional Planning and Economic Development Commission (Missouri)	Clean Diesel Grant Program	Not available	December 16, 2011	http://www.semorpc.org/dera.html
St. Louis Regional Clean Cities (Missouri)	Clean Diesel Grant Program	Not available	December 16, 2011	http://www.stlcleancities.org/
EPA	2011 Presidential Innovation Award Program for Environmental Educators	\$2,000 per award	December 30, 2011	www.epa.gov/education/teacheraward
New York State Energy Research and Development Authority (NYSERDA)	New York State Clean Air School Bus Program, Round 3 (now includes coolant heaters)	~\$2.6 million	December 30, 2011 (or when all funds are exhausted)	http://www.nyserda.org/funding/1896summary.pdf
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	March 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 1, 2012	http://www.energy.state.md.us/Transportation/idle/index.html
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Salt Lake City, Utah, Adopts Strict Idling Ordinance

On October 25, 2011, Salt Lake City council members unanimously passed an ordinance (Salt Lake City Code, Chapter 12.58) that restricts vehicle idling to 2 minutes or less. Among the most stringent in the country, the law does not apply when the temperature is below 32°F or above 90°F. Additionally, the ordinance does not apply to emergency and airport-support vehicles, among others, or to in-traffic situations, such as stop lights. (The operators of Salt Lake City fleet vehicles are governed by an even stricter rule that limits idling to no more than 10 seconds.)

The new ordinance, which has been in the works for more than a year, was contested by some merchants whose businesses offer drive-through-window service. The council decided on a unique provision regarding such businesses: drivers doing business at drive-through windows are exempt from the idling rule provided that the business has posted signs to discourage idling. Unlike some other municipal ordinances, Salt Lake City's rule does not exempt vehicles on private property, so motorists who use their remote start feature liberally may have to exhibit more restraint.

According to the *Deseret News*, the assistant to the Mayor's chief of staff, Bianca Shreeve, says that the ordinance is focused on education and that enforcement will be complaint based. Salt Lake City's parking enforcement officers, not police, will enforce the ordinance. The City Council will review the law a year from now.

A first violation will be met with a warning. Second offenses will set motorists back \$160 (or, if the fine is paid within 10 days, \$50), and a third, \$210. A 6-month grace period and a public awareness campaign will precede enforcement. For more information, please see <http://www.deseretnews.com/article/705393141/Salt-Lake-City-Council-makes-vehicle-idling-longer-than-2-minutes-illegal.html>. Details about the new ordinance, including exemptions, are available at <http://www.slcgov.com/council/agendas/2011agendas/Oct25/10252011.pdf>, and information about Utah's statewide idle-free campaign may be found at <http://www.idlefree.utah.gov/>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Action Transport (Utah)	Utah Department of Environmental Quality (DEQ)	Purchase and installation 3 APUs	\$28,200
Bingham Livestock (Utah)	Utah DEQ	Purchase and installation 10 APUs	\$94,600
Iron County School District (Utah)	Utah DEQ	Purchase and installation 11 engine preheaters	TBD
L.W. Miller (Utah)	Utah DEQ	Purchase and installation 3 APUs	\$28,200
Paul Terry Trucking (Utah)	Utah DEQ	Purchase and installation 12 APUs	\$56,400
WT Transportation (Utah)	Utah DEQ	Purchase and installation 2 APUs	\$18,920
Berlin Public Schools (Berlin, New Hampshire)	New Hampshire Department of Environmental Services (NHDES)	Purchase and installation of 8 fuel-operated heaters (FOHs)	\$18,632
Concord School District (Concord, New Hampshire)	NHDES	Purchase and installation of 16 FOHs	\$37,264
Newport School District (Newport, New Hampshire)	NHDES	Purchase and installation of 6 FOHs	\$13,974
Special Transit Service, Inc. (Manchester, New Hampshire)	NHDES	Purchase and installation of 7 FOHs	\$16,303
Butler's Bus Service, Inc. (Haverhill, New Hampshire)	NHDES	Purchase and installation of 18 FOHs	\$40,758
Northwood Transportation, Inc. (Northwood, New Hampshire)	NHDES	Purchase and installation of 6 FOHs	\$13,974
Oyster River Cooperative School District (Durham, New Hampshire)	NHDES	Purchase and installation of 10 FOHs	\$23,290
Idaho Department of Environmental Quality	EPA	Purchase and installation of 32 FOHs and purchase of 900 crankcase ventilation system replacement filters	\$189,271
Idaho Department of Environmental Quality	EPA	Purchase and installation of 16 FOHs, diesel oxidation catalysts, and crankcase ventilation system units	\$62,237
Kansas City Southern Railroad and the Railroad Research Foundation	EPA	Installation of idle reduction technology on 40 switcher locomotives that operate in and around Shreveport, Louisiana	\$265,807
Nevada Division of Environmental Protection	EPA	Purchase and installation of FOHs for at least 50 school buses	\$189,951
Metra (commuter rail, northeastern Illinois)	U.S. Department of Transportation (DOT) Congestion Mitigation and Air Quality (CMAQ) Program	Purchase and installation of automatic engine shut-down/start-up technology on 24 Union Pacific service locomotives	\$368,000

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
New West Technologies (Utica, New York)	NYSERDA	Installation of electric refrigerator-trailer infrastructure to demonstrate the cost savings and environmental benefits of powering refrigerator trucks/trailers with electricity rather than with diesel fuel	\$300,000
Power Drives, Inc. (Buffalo, New York)	NYSERDA	14-month demonstration project to test two locomotive-engine warming models—external electrical and onboard diesel generator—to reduce idling (11 locomotives)	\$250,000

SCAQMD Honors Cascade Sierra Solutions

At its 23rd Annual Clean Air Awards event in October, California's South Coast Air Quality Management District (SCAQMD) recognized Cascade Sierra Solutions (CSS) with its Clean Air Award for Innovative Transportation Projects. CSS received the honor for its work in providing financing and information about funding to truck owners seeking to replace or retrofit older, pollution-producing heavy-duty trucks.

SCAQMD's mission is to improve air quality for the nearly 17 million people living within its region, which includes much of Los Angeles, Riverside, San Bernardino, and Orange Counties. CSS, a Eugene, Oregon-based nonprofit

organization dedicated to improving air quality, identifies, promotes, and finances the use of clean technologies to reduce fuel consumption and pollution from heavy-duty diesel trucks. CSS administers the Department of Energy (DOE) funded Shorepower Truck Electrification Project (STEP), an American Recovery and Reinvestment Act (ARRA) project.

Since 2006, Cascade Sierra Solutions has provided funding and grant assistance for nearly 6,000 vehicles in the lower 48 states. The resulting fuel savings on U.S. highways is estimated to be nearly 28,000 gallons every day. More information is available at www.cascadesierrasolutions.org.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	ARB EMFAC2011 [tool for estimating on-road vehicle emissions in California]	http://www.arb.ca.gov/msei/modeling.htm
Chelsea Collaborative	Chelsea Collaborative—New England Produce Center TRU Electrification	http://www.mjbradley.com/sites/default/files/NEPC%20TRU%20Electrification%20Final%20Report%20FINAL%20nonbooklet%2014jul11_0.pdf
Pike Research	Stop-Start Vehicles—Micro Hybrid Technologies, Batteries, and Ultracapacitors: Market Analysis and Forecasts	http://www.pikeresearch.com/research/stop-start-vehicles
Transportation Media with the Private Motor Truck Council	2011 Canadian Private Fleet Practices Benchmark Study	Summary and ordering information available at http://www.trucknews.com/benchmark/

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Society of Automotive Engineers (SAE) 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/
CARB Diesel Vehicle Regulation Overview	San Marcos, California	November 3, 2011	http://www.arb.ca.gov/training/courses.php?course=512
East Bay Clean Cities Clean Air Vehicle Funding Workshop	Oakland, California	November 9, 2011	http://www.cleancitieseastbay.org/events.html
CARB Diesel Vehicle Regulation Overview	Yreka, California	November 15, 2011	http://www.arb.ca.gov/training/courses.php?course=512
Transportation Research Board's (TRB) 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 25–27, 2012	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html

MANUFACTURERS' NEWS

Buick LaCrosse and Regal Now Feature Idling Reduction

Buick's 2012 LaCrosse and Regal feature a "light" automatic start/stop technology. The feature, called eAssist, allows these vehicles to run on battery power, rather than gasoline, at stops. Energy captured from regenerative braking powers a lithium-ion battery pack, which runs HVAC, radio, and other accessories when the vehicle is in auto-stop mode. Buick claims that eAssist boosts fuel economy by 25%.

The 2012 LaCrosse and Regal also feature the ECO Gauge, which offers drivers immediate feedback on the effect of their acceleration and braking behaviors on fuel efficiency. To see an advertisement that cleverly demonstrates the high energy use associated with idling, please click on <http://www.youtube.com/watch?v=1j1Mlqzww3A>. For more information about eAssist, please see <http://www.buick.com/eassist-fuel-efficient-technology.html>.

ELECTRIFIED PARKING SPACES

The STEP Footprint Grows

On I-80 in Wendover, Utah, near the Nevada border, the newest Shorepower Truck Electrification Project (STEP) installation was launched on October 13, 2011. R Place Trucker's Plaza now offers 32 Shorepower Technology pedestals that enable truck drivers to purchase electrical power at \$1 per hour to run in-cab HVAC and accessories.

The number of sites participating in the STEP program is growing. Pilot Flying J, the Knoxville, Tennessee-based travel center operator with more than 550 locations, has announced an agreement to install Shorepower pedestals at five travel centers in California (Bakersfield, Dunnigan, Lebec,

Lodi, and Weed) and in one in Texas (Dallas). The STEP program seeks to provide truck stop electrification on the most significant freight corridors. According to *Fleet Owner*, installation will occur over the next 3 to 6 months, with each site hosting between 24 and 48 electrified parking spots.

The STEP program is administered by Cascade Sierra Solutions in partnership with Shorepower Technologies under an ARRA award with DOE. For more information, please see <http://fleetowner.com/green/archive/truckstops-anti-idling-technology-1010/> and <http://www.the-step-project.org/>.

New AireDock Sites Operational

AireDock, a stand-alone truck stop electrification (TSE) system owned by Craufurd Manufacturing, now has a number of new sites. In addition to the locations already operational in Florida, Maine, Ohio, and Tennessee, AireDock has installations at the All State Truck Stop (9 units) in Unadilla, Georgia, and second site in Tennessee, the North Forty Truck Stop (30 units)

in Holladay. AireDock offers no-idle temperature control, internal and external power, and high-speed internet access. The installations were funded by ARRA grants. For more information, please see <http://www.airedock.com/>.

OTHER NEWS OF INTEREST

Grassroots Action: Chelsea Green Space Gets Results

The Chelsea Green Space and Recreation Committee, the environmental arm of the Chelsea Collaborative (Chelsea, Massachusetts), has garnered impressive results working with local businesses and local government to reduce diesel emissions for cleaner air.

A number of years ago, a Chelsea Green Space member tracking down local sources of diesel emissions ended up at the New England Produce Center, one of the largest produce distribution centers in the country. There she found that diesel-powered refrigerated trailers operated—and spewed emissions—around the clock. Since then, Green Space has worked with the

produce center's board of directors, and the dozens of produce companies doing business with the Center, to implement diesel emissions reduction projects.

In September, the U.S. EPA awarded Chelsea Green Space a \$280,000 grant that, along with a match by Don Shapiro Produce, Inc., is being used to replace 11 diesel-powered refrigeration units with electrically powered units. The Chelsea Collaborative has received a number of EPA grants to facilitate the electrification of trailer refrigeration units at the Center. The Collaborative has also received EPA funds for non-idling reduction-related

diesel emission projects, including engine upgrades and the installation of diesel particulate filters.

The Chelsea Collaborative is dedicated to social, environmental, and economic justice in Chelsea, Massachusetts, a densely populated "environmental justice" community. For more information regarding Chelsea Green Space's recent work, please visit <http://www.bostonglobe.com/metro/regionals/north/2011/10/19/partnerhips-with-businesses-lead-cleaner-air-chelsea/zGBQLZaVt7vD6jtTZTVvEO/story.html> and <http://chelseacollab.org/program/greenspace>. Source: Deborah Levinson, Nimble Partners, Medford, Massachusetts

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois†	<i>Massachusetts*</i>	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process. †Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at <http://www.atri-online.org/> (click on the compendium link at the left) and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative

(Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 19 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

September 2011

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000 (as of August 23, 2011)	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.cleandiesel.utah.gov
U.S. Department of Transportation (DOT)	TIGER III (Transportation Investment Generating Economic Recovery)	\$527 million	October 3, 2011, for pre-applications; October 31, 2011, for final applications	http://www.dot.gov/tiger/

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Energy Commission	Advanced Medium- and Heavy-Duty Vehicle Technologies Pre-Commercial Demonstrations (Alternative and Renewable Fuel and Vehicle Technology Program)	\$8.94 million	October 14, 2011	http://www.energy.ca.gov/contracts/index.html
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2011	http://www.sae.org/news/awards/list/e2t/
Washington State Department of Ecology	Washington State Clean Diesel Grant Program	\$7 million	October 17, 2011	http://www.ecy.wa.gov/programs/air/cars/DieselGrantPage.htm
Northeast Diesel Collaborative (NEDC)	Breathe Easy Awards	N/A	October 26, 2011	http://northeastdiesel.org/breathe-easy-program.html
Arkansas Department of Environmental Quality	Go RED! [Reduce Emissions from Diesels] Grant Program	\$110,000	October 31, 2011	http://www.adeq.state.ar.us/air/branch_planning/clean_diesel.asp
Indiana Department of Environmental Management	DieselWise (clean diesel projects)	~\$350,000	October 31, 2011	http://www.in.gov/idem/5255.htm
U.S. Environmental Protection Agency (EPA)	Environmental Education Grants Program	~\$1.5 million	November 8, 2011	http://www.epa.gov/education/grants.html
New York State Energy Research and Development Authority (NYSERDA)	New York State Clean Air School Bus Program, Round 3 (now includes coolant heaters)	~\$2.6 million	December 30, 2011 (or when all funds are exhausted)	http://www.nyserda.org/funding/1896summary.pdf
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	March 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Obama Administration Withdraws Newly Proposed Ozone Standard

Early in September, the Obama administration withdrew the proposed revision of the Ozone National Ambient Air Quality Standards. The EPA's proposed revision called for a reduction from the current 80 parts per billion (ppb) for 8-hour ozone to 60–70 ppb. According to a press release issued by the White House, President Obama did not want to move toward implementing new standards when the science underlying those standards is already under review and revised standards are slated for 2013. (Under the EPA's Clean Air Act, the standards must be re-evaluated every 5 years.) In his

September 2, 2011, message, the President pointed to the importance of “reducing regulatory burdens and regulatory uncertainty, particularly as our economy continues to recover.”

For more information, please see <http://www.whitehouse.gov/the-press-office/2011/09/02/statement-president-ozone-national-ambient-air-quality-standards> and http://www.whitehouse.gov/sites/default/files/ozone_national_ambient_air_quality_standards_letter.pdf.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Chelsea Collaborative (Massachusetts) Green Space and Recreation Committee	U.S. EPA	Replacement of 11 diesel transport refrigeration units (TRU) with electric TRUs powered by main engine-driven onboard electric generation/battery storage systems; the TRUs will also have plug-in capacity	\$280,000
Fort Frye Local Schools (Washington County, Ohio)	Ohio EPA	Purchase and installation of one diesel particulate filter and idle reduction equipment on 15 buses	\$39,399
Harrison Hills City Schools (Harrison County, Ohio)	Ohio EPA	Purchase and installation of idle reduction equipment for 34 buses	\$74,550
Liberty Union-Thurston Local Schools (Fairfield County, Ohio)	Ohio EPA	Purchase and installation of idle reduction equipment for 13 buses	\$42,705
Minerva Local Schools (Stark County, Ohio)	Ohio EPA	Purchase and installation of idle reduction equipment for 9 buses	\$19,170
North Royalton City Schools (Cuyahoga County, Ohio)	Ohio EPA	Purchase and installation of idle reduction equipment for 23 buses	\$86,133

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Shaker Heights City Schools (Cuyahoga County, Ohio)	Ohio EPA	Purchase and installation of idle reduction equipment for 6 buses	\$15,906
Eaton Corporation (Milwaukee, Wisconsin)	U.S. Department of Energy (DOE)	Development and demonstration of advanced component technology for heavy-duty diesel-engine waste-heat recovery systems	\$2.5 million
Odyne Systems LLC	DOE, with cofunding from the South Coast Air Quality Management District	Installation of 7 Odyne hybrid power systems (with extended stationary engine-off technology for bucket trucks and underground utility trucks) and evaluation of their performance	\$2.9 million

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
American Transportation Research Institute (ATRI) and the Federal Highway Administration (FHWA)	FPM [Freight Performance Measures] Congestion Monitoring at 250 Freight Significant Highway Locations: Final Results of the 2010 Performance Assessment	http://www.atri-online.org/index.php?option=com_content&view=article&id=303&Itemid=70
CARB	Staff Report: Initial Statement of Reasons for the 2011 Amendments to the Transport Refrigeration Unit (TRU) Airborne Toxic Control Measure (ATCM)	http://www.arb.ca.gov/regact/2011/tru2011/tru2011.htm
DOE Inspector General	Management Alert: The Status of Energy Efficiency and Conservation Block Grant (EECBG) Recipients' Obligations	http://energy.gov/sites/prod/files/OAS-RA-11-16_0.pdf
Frost & Sullivan	North American Locomotive Market: A Strategic Analysis of Powertrain Technologies and Auxiliary Systems Considered by OEMs for EPA Emission Compliance	Summary and ordering information available at http://www.frost.com/prod/servlet/report-extended-toc.pag?repid=M64A-01-00-00-00
Pike Research	Hybrid, Plug-in Hybrid, and Battery Electric Medium and Heavy Trucks: Market Analysis and Forecasts	Summary and ordering information available at http://www.pikeresearch.com/research/hybrid-medium-and-heavy-duty-trucks
Texas Transportation Institute	2011 Urban Mobility Report	http://mobility.tamu.edu/ums/

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Hybrid Truck Users Forum (HTUF) National Conference 2011	Baltimore, Maryland	October 10–13, 2011	http://www.htuf2011.org/
Sustainable Shipping Conference	Vancouver, Canada	October 12–14, 2011	http://www.sustainablesipping.com/events/2011/vancouver/
CARB Diesel Vehicle Regulation Overview	Fresno, California (with webcast to Bakersfield and Modesto)	October 14, 2011	http://www.arb.ca.gov/training/courses.php?course=512
The 4th Diesel Emissions Conference & Diesel Exhaust Fluid Forum	Atlanta, Georgia	October 17–19, 2011	http://www.integer-research.com/conferences/dec-usa/2011/programme/
CARB Public Hearing To Consider Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate	Sacramento, California	October 20, 2011	http://www.arb.ca.gov/regact/2011/tru2011/tru2011.htm
2011 Railroad Environmental Conference	Champaign, Illinois	October 25–26, 2011	http://ict.illinois.edu/railroad/rrec/overview.asp
CARB Diesel Vehicle Regulation Overview	Otay Mesa, California	October 26, 2011	http://www.arb.ca.gov/training/courses.php?course=512
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/
Transportation Research Board's (TRB) 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 25–27, 2012	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html

MANUFACTURERS' NEWS

ECOSMART System Reduces Ambulance Idling

Ambulances have a number of unique power needs. In addition to running warning lights, they must be able to maintain proper temperature in the patient compartment, not only for patient transport but for medications and sensitive medical equipment. Canada-based Demers Ambulances has debuted the ECOSMART system, an idling reduction technology that determines if the ambulance's engine needs to be on to power HVAC and electrical systems. If it does not, the engine is turned off. If the voltage in any battery bank drops, or if the temperature in the patient compartment exceeds preset limits, the engine is restarted. Demers Electrical Management System (DEMS) allows the user to set the criteria for when the

vehicle goes into ECOSMART mode. Additionally, whenever the vehicle is manually restarted or shifted out of park, the system disengages.

According to the manufacturer, the ECOSMART system displaces more than 40% of fuel used during ambulance idling. Reduced engine wear results in increased time between maintenance checks, longer engine life, and reduced CO₂ emissions. The ECOSMART is available on new vehicles or as a retrofit to some older vehicles. For more information, please see <http://www.demers-ambulances.com/news/article/demers-ambulances-introduces-the-ecosmart-system>.

Your Engine Has a Message for You, Courtesy of Inthinc

Inthinc Technology Solutions, a telematics company based in Salt Lake City, Utah, has announced a new product feature that, among other things, gives drivers audio alerts about engine idling duration. The fleet management technology package enables fleet managers to set alert intervals appropriate for vehicle type and duty. Managers also have the capacity to monitor fleet-vehicle idling time by means of inthinc's Web-based management and reporting software.

The "idle coach" feature is one of a number of driver-feedback features—including feedback on seatbelt use and aggressive driving events—available as part of the inthinc tiwiPro (light commercial fleet) and waySmart (heavy industry fleet) fleet-management packages. More information is available at <http://www.inthinc.com/company/news-releases/inthinc-idling-alerts>.

EDUCATION, OUTREACH, AND CAMPAIGNS

Idle-Free Tennessee Starts at Knox County Schools

The East Tennessee Clean Fuels Coalition (ETCleanFuels) has launched its Idle-Free Tennessee program, the goal of which is to promote cleaner air at schools through reduced vehicle idling.

Four schools in Knox County—West Hills, Norwood, Bearden, and Sequoyah elementary schools—are the first to join the effort, and several other schools have shown interest. Participating schools receive not only signs, with the necessary mounting hardware, free of charge, but a packet that includes idling reduction lesson plans, a fact sheet, and a fact sheet/pledge. Schools may encourage students to take home the fact sheet/pledge for their parents to read and sign. Additionally, the Idle-Free Tennessee program coordinator is available to give presentations to classrooms, grade-level groups, or the entire school.

The Idle-Free Tennessee program is made possible through a grant funded by the Department of Pediatric Pulmonology and Sleep Medicine at East Tennessee Children's Hospital and with support from the Knox County Safe Routes to School Partnership. ETCleanFuels is a DOE Clean Cities coalition. For more information, please go to http://eerc.ra.utk.edu/etcfc/NR/IFSZ_PressRelease_Aug-2011.pdf. For more about ETCleanFuels, please click on <http://eerc.ra.utk.edu/etcfc/index.html>.



OTHER NEWS OF INTEREST

ATRI Updates Idling Law Compendium

The American Transportation Research Institute (ATRI) has updated its compendium of idling regulations to include recent changes in the states of Texas and Oregon. In Texas, trucks with engines 2008 or newer that are certified to a nitrogen oxides idling emissions limit of 30 grams/hour are exempt from the Texas Commission on Environmental Quality's (TCEQ) 5-minute idling rule. In Oregon, truck idling will be restricted to 5 minutes or less beginning on January 1, 2012. Exemptions to the restriction include the need to run air conditioning or heating during a rest or sleep period when

the outside temperature is less than 50°F or greater than 75°F. Violating the law may result in a \$180 fine.

ATRI's online resource offers not only links to individual regulations but a file that can be downloaded for use as a cab card reference. To access the compendium, please go to <http://www.atri-online.org/> and click on the compendium link at the left.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.
For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois†	<i>Massachusetts*</i>	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in *brown* have legislation in process.

†Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at <http://www.atri-online.org/> (click on the compendium link at the left) and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative

(Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 17 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php. Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000 (as of August 23, 2011)	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyouengineoff.org/campaign_recognition.html
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	www.cleandiesel.utah.gov
New York State Energy Research and Development Authority (NYSERDA)	Advancing Livable Communities through Sustainable Transportation	\$1.5 million	September 7, 2011	http://www.nyserda.org/funding/2314pon.asp
NYSERDA	Advanced Transportation Technologies	\$3.5 million	September 8, 2011	http://www.nyserda.org/funding/2271pon.asp

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
National Marine Manufacturers Association (NMMA)	International BoatBuilders Exhibition and Conference (IBEX) Innovation Awards (includes shore power systems)	N/A	September 20, 2011	http://www.bymnews.com/news/newsDetails.php?id=88247
U.S. Department of Transportation (DOT)	TIGER III (Transportation Investment Generating Economic Recovery)	\$527 million	October 3, 2011, for pre-applications; October 31, 2011, for final applications	http://www.dot.gov/tiger/
California Energy Commission	Advanced Medium- and Heavy-Duty Vehicle Technologies Pre-Commercial Demonstrations (Alternative and Renewable Fuel and Vehicle Technology Program)	\$8.94 million	October 7, 2011	http://www.energy.ca.gov/contracts/index.html
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2011	http://www.sae.org/news/awards/list/e2t/
Washington State Department of Ecology	Washington State Clean Diesel Grant Program	\$7 million	October 17, 2011	http://www.ecy.wa.gov/programs/air/cars/DieselGrantPage.htm
NYSERDA	New York State Clean Air School Bus Program, Round 3 (now includes coolant heaters)	~\$2.6 million	December 30, 2011 (or when all funds are exhausted)	http://www.nyserda.org/funding/1896summary.pdf
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Ohio Environmental Protection Agency (EPA)	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	March 1, 2012	http://www.epa.ohio.gov/oeef/schoolbus.aspx
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

EPA and NHTSA Issue Final Rules for Medium- and Heavy-Duty Vehicles

The EPA and the National Highway Traffic Safety Administration (NHTSA) have published the final rules for Greenhouse Gas Emissions Standards and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles. The EPA is adopting the emissions standards under the Clean Air Act, and NHTSA is adopting the fuel efficiency standards under the Energy Independence and Security Act.

Affected vehicles will include combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles weighing $\geq 8,500$ pounds manufactured from 2014 through 2018. By 2018, the vehicles will be required to achieve fuel reductions from approximately 10% (vocational vehicles, such as delivery trucks and garbage trucks) to 20% (semi trucks). According to press releases issued by both agencies, the standards are expected to save more than 500 million barrels of oil and yield an estimated

\$50 billion in fuel savings to vehicle owners over the life of model-year 2014–2018 vehicles. A second phase of regulations is planned for vehicles manufactured after 2018.

While the agencies are not mandating the use of idle reduction or idle shutdown devices, they are allowing their use as part of an array of technologies that will help vehicles meet the new standards.

The rulemaking was achieved with input from industry, state governments, and transportation associations. An EPA fact sheet is available at <http://www.epa.gov/otaq/climate/documents/420f11031.pdf>, and the link <http://www.nhtsa.gov/staticfiles/rulemaking/pdf/cafe/Factsheet.08092011.pdf> hosts the NHTSA fact sheet. For the final rule, please go to <http://www.epa.gov/otaq/climate/documents/ghg-hd-rule.pdf>.

Ann Arbor Proposes an Idling Ban with Bite

The City Council of Ann Arbor, Michigan, is considering an ordinance, proposed by the city's Environmental Commission, that would ban vehicle idling. Unoccupied vehicles could not be left running, and an occupied vehicle could idle for no more than 5 minutes. The minimum fine for each violation would be \$100. For commercial vehicles, however, the minimum fine would be \$500 for the vehicle owner, in addition to a minimum fine of \$100 for the vehicle operator. According to AnnArbor.com, the first 6 months would be an educational period; no fines would be levied.

If a poll run by AnnArbor.com ([AnnArbor.com poll](#)) is accurate, popular response is unfavorable; nearly 80% of more than 2,000 respondents said

that they believe an anti-idling ordinance is unnecessary. Other towns, such as Boise, Idaho (see the new Education, Outreach, and Campaigns section of the newsletter), are approaching idling reduction strictly from a public education angle.

Washtenaw County, which includes Ann Arbor, has been designated as a moderate nonattainment area for EPA National Ambient Air Quality Standards (NAAQS) for ground-level ozone and particulate matter (PM_{2.5}). Information about the city's draft proposed ordinance is available at <http://www.annarbor.com/idlindordinance.pdf>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Brattleboro Memorial Hospital (Brattleboro, Vermont)	Vermont Agency of Natural Resources	Purchase and installation of kiosks to provide electricity to ambulances to power medical and other onboard electronic equipment without use of the main vehicle engine	\$43,000
Cyclone Power Technologies (Pompano Beach, Florida)	U.S. Army/Tank Automotive Command	Development and installation of an all-fuel capable, 10-kW APU for ground-combat vehicles to eliminate the need to the run the main engine for vehicle accessories	\$1.4 million
International Electronic Machines (Troy, New York)	NYSERDA	Continued development of an infrared technology for the inspection of trucks traveling at highway speeds; with this technology, only those trucks that demonstrate mechanical issues would be signaled to pull over for a full inspection, reducing the number of idling trucks in the inspection line	\$250,000
Michigan Department of Transportation	FHWA	Development of Michigan's I-94 Truck Parking and Information Management System, which will deliver information about parking availability to truck drivers in real time	\$4.48 million
Minnesota Department of Transportation	FHWA	Development of Minnesota's Comprehensive System for Assessing Truck Parking Availability, which will deliver information about parking availability to truck drivers in real time	\$2.05 million
University of California, Riverside, Center for Environmental Research and Technology	U.S. Department of Energy (DOE)	Evaluation of technologies that provide feedback, including idling time, to drivers of passenger and fleet vehicles, the goal of which is to reduce emissions and fuel use by up to 30%	\$1.2 million
D & D Trucking (Texas)	North Central Texas Council of Governments (NCTCOG)	Purchase and installation of 1 APU	\$5,000
Eads Trucking, LLC (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000
Mr. Tom Farlin, Owner-Operator (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000
Mr. Jose Garcia, Owner-Operator (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000
K.P. Henderson Trucking (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Mr. Chaska Killman, Owner-Operator (Texas)	NCTCOG	Purchase and installation of 1 APU	\$4,368
McGuire Transportation, Inc. (Texas)	NCTCOG	Purchase and installation of 4 APUs	\$16,463
Mr. Loris Ralston, Owner-Operator (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000
Mr. Blair Vigil, Owner-Operator (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
NCTCOG/Clean Cities Technical Coalition	Locally Enforced Idling Restrictions	http://www.nctcog.org/trans/committees/cctc/2011/080911/LEIR.pdf
North Jersey Transportation Planning Authority	Public/Private Partnerships: Diesel Locomotive Engine Retrofit Project by the NJTPA, PANYNJ, CSX, and NS Railroads	http://www.fhwa.dot.gov/planning/freight_planning/talking_freight/talkingfreight07_20_Id.ppt
Wisconsin Department of Natural Resources	Wisconsin's Clean Diesel Grant Programs Summary	http://dnr.wi.gov/air/pdf/CleanDieselGrantsSummaryReport.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Clean Air Board of Central Pennsylvania: Is IdleAir Making a Comeback in Central Pennsylvania?	Carlisle, Pennsylvania	September 1, 2011	http://cleanairboard.wordpress.com/
SAE Commercial Vehicle Engineering Congress	Rosemont, Illinois	September 13–14, 2011	http://www.sae.org/events/cve/
Ohio Green Fleets Awards and Technology Expo	Columbus, Ohio	September 19, 2011	http://2011ohiogreenfleets.eventbrite.com/
NCTCOG/Dallas–Fort Worth Clean Cities Advancing the Choice: Emergency Response	Grand Prairie, Texas	September 27, 2011	http://www.nctcog.org/trans/clean/cities/advancing_choice_11/atc11.asp
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/
17th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	October 3–6, 2011	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Hybrid Truck Users Forum (HTUF) National Conference 2011	Baltimore, Maryland	October 10–13, 2011	http://www.htuf2011.org/
Sustainable Shipping Conference	Vancouver, Canada	October 12–14, 2011	http://www.sustainablesipping.com/events/2011/vancouver/
The 4th Diesel Emissions Conference & Diesel Exhaust Fluid Forum	Atlanta, Georgia	October 17–19, 2011	http://www.integer-research.com/conferences/dec-usa/2011/programme/
2011 Railroad Environmental Conference	Champaign, Illinois	October 25–26, 2011	http://ict.illinois.edu/railroad/rrec/overview.asp
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/
Transportation Research Board's (TRB) 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 25–27, 2012	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	http://www.actexpo.com/index.html

TRUCK STOP ELECTRIFICATION

First STEP: Oregon

The first of the 50 federally funded truck stop electrification (TSE) sites under the Shorepower Truck Electrification Project (STEP), supported by DOE through the American Recovery and Reinvestment Act (ARRA), opened on August 12, 2011. Truck drivers at the Baker Truck Corral in eastern Oregon now have 24 electrified spaces where they can shut down their engines and pull power from the grid for HVAC and other needs. The pedestals provide 120-V, 208-V, or 240-V power. Power and cable TV access are available at \$1 per hour; wireless internet is additional.

The STEP project is administered by Cascade Sierra Solutions in partnership with Shorepower Technologies. After project completion, more than 1,200 electrified parking spaces will be added to 50 truck stops around the country. One advantage of TSE systems is that the electricity is used primarily at off-peak (overnight) periods, when generators have excess capacity, raising the overall efficiency of existing power-generation facilities.

In addition to TSE installations, the STEP program offers rebates—as much as 20%—for equipment installed on medium- and heavy-duty trucks to eliminate engine idling during mandated rest periods. The rebate maximums are \$2,000 for APUs or generator sets with electric-standby options; \$1,600 for battery HVAC systems; \$700 for battery evaporative cooler systems; \$260 for thermal storage systems; \$3,200 for truck cold-

plate systems; \$5,000 for trailer transport refrigeration units with electric-standby options; and \$5,000 for hybrid transport refrigeration units with electric-standby options. The link http://www.csswebform.org/WebForm/Supplier_list.aspx contains a list of all qualifying equipment. More information about the STEP program is available at http://csswebform.org/WebForm/TSE_home.aspx.

Texas Adds AireDock Installations

Truck drivers seeking an alternative to rest-period engine idling now have more choices in Texas. The Signature Travel Mart in Willow Park now offers 24 electrified parking spaces, and the Alvarado Shell in Alvarado provides 9 spaces. According to NCTCOG, use of the AireDock installations, which supply HVAC, internal and external electric power, and internet access, will save operators more than 520,000 gallons of fuel over the life of the technology. The CO₂ reductions are expected to total 3,819 tons at the Willow Park facility and 2,045 tons at the Alvarado site.

Funding for the projects—\$173,400 for the Willow Park truck stop and \$65,025 for the Alvarado Shell—was provided by NCTCOG through the Heavy-Duty Vehicle and Equipment Grant Program, in partnership with the Texas Commission on Environmental Quality (TCEQ).

With 11 TSE sites, Texas tops all states in the number of electrified parking facilities available to truck drivers. For more information, please see <http://www.nctcog.org/trans/outreach/media/truckcharge.pdf>. To learn more about the AireDock system, please click on <http://www.airedock.com>.

IdleAIR Opens Two New Locations

IdleAIR recently opened locations in Shepherd, Texas, and Claysville, Pennsylvania, bringing the total number of IdleAir locations to 21. In May, the company closed its Monee, Illinois, location after Travel Centers of America, which purchased the truck stop from Gas City, chose to discontinue IdleAIR service. According to the IdleAIR website, the company plans to have its installations at 30 locations by year's end.

In June of this year, Bledsoe Capital Group, an IdleAir shareholder, awarded the company \$3 million in second-round funding. For more information, please see <http://www.idleair.com>.

EDUCATION, OUTREACH, AND CAMPAIGNS

Boise Pursues “Persuasion, not Penalties”

The city of Boise, Idaho, recently launched a campaign to educate motorists about the value of idling reduction. As part of the campaign, the city posted educational signs at about 50 of the city’s loading zones.

The city chose to approach the problem through education rather than an ordinance. Said Boise mayor, David Bieter, “This campaign uses the art of persuasion rather than penalties to educate our residents about the bad effects of idling.”

The city’s first campaign partners are the Ada County Highway District, Allied Waste Idaho, Capitol Educators Federal Credit Union, the Idaho

Transportation Department, and United Water Idaho. According to the general manager of Allied Waste Idaho, Dave Fisher, the idling reduction technology installed on 90 of the city’s waste trucks saves about 250 gallons of fuel per day.

For their participation, campaign partners receive signs, cling decals for their vehicles, and recognition on the <http://www.beidlefreeboise.org/> website. For more information, please see <http://www.thenewstribune.com/2011/08/17/1786282/boise-launches-anti-idling-campaign.html#ixzz1VOOtmFNn>.

Utah Celebrates Idle-Free Awareness Month

September marks the beginning of Idle-Free Awareness Month in Utah. The goal of the campaign, which is supported by dozens of the state’s mayors, is to educate residents about the value of idling reduction, especially in school loading zones. Drivers waiting to pick up their schoolchildren are encouraged to shut off their engines.

In collaboration with the National Energy Foundation, Utah School Districts, and the Utah Office of Education, the Utah Clean Cities Coalition has promoted idling reduction for about 4 years. In 2008, after Utah Clean Cities personnel started training school bus drivers in idling reduction, drivers

reduced their idling times by an average of 21 minutes per day. The corresponding savings of 92,000 gallons of fuel amounts to nearly \$300,000 saved by school districts each year.

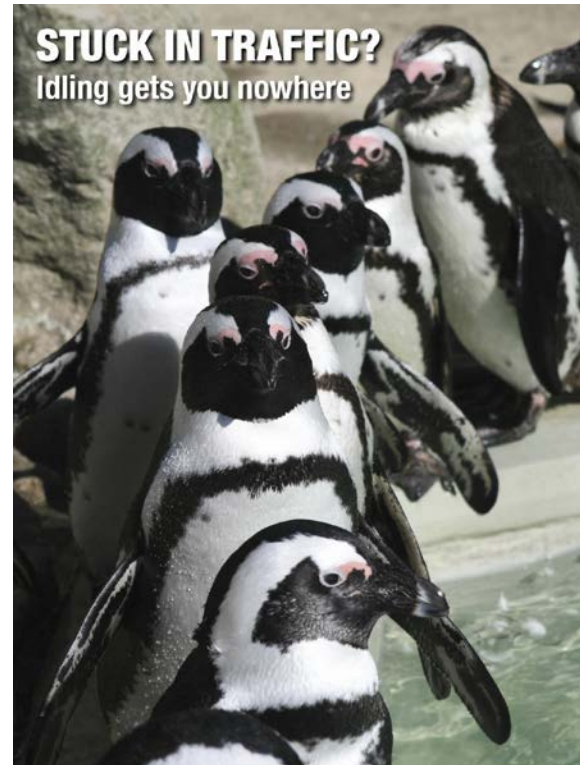
In 2010, the Utah legislature passed, and the Governor signed, a resolution encouraging Utah residents to eliminate all unnecessary vehicle idling (<http://le.utah.gov/~2010/bills/hbillenr/hjr005.htm>). For more information about Utah’s Idle-Free Awareness Month, please see <http://www.idlefree.utah.gov/index.htm>.

Waiting at a Bridge Lift? Turn It Off

Multnomah County, Oregon, has launched a campaign to encourage motorists to cut their engines at bridge lifts, railroad crossings, and other locations where they expect to be stopped for more than 20 seconds. (Drivers are not, however, encouraged to turn off their engines in traffic jams.) “Basically what we’re trying to do is to explain to people that idling your vehicle is a really bad idea. It wastes gas, it’s bad for the engine and it’s polluting the atmosphere,” said Jeff Cogen, Multnomah County Chair.

The “Idling Gets You Nowhere” campaign is a partnership between Multnomah County and the Oregon Toxics Alliance, with support from Portland State University and the City of Portland’s Mayor’s Office. More information is available at <http://web.multco.us/idling-gets-you-nowhere/about-idling-gets-you-nowhere>. For a video about the project’s launch, please see <http://www.koinlocal6.com/news/local/story/Multnomah-County-launches-campaign-asking-people/vjXjpldTXEm8KnuJCJSFBg.csp>.

Source: Kevin Downing, Oregon Department of Environmental Quality
(Photo by Genista, courtesy of the Multnomah County Office of Sustainability, Multnomah County, Oregon)



OTHER NEWS OF INTEREST

Nebraska: An Abundance of APUs

In Nebraska, 273 heavy-duty trucks from three regional freight companies are now equipped with APUs, with help from the American Recovery and Reinvestment Act (ARRA). The companies—Barlow Truck Line (Faucett, Missouri), Dynamic Transit (St. Louis, Missouri), and Werner Enterprises (Omaha, Nebraska)—paid 40% of equipment and installation costs, while

grant funds covered the remainder. The project, managed by the Nebraska Transportation Center at the University of Nebraska—Lincoln under a 2009 \$1 million grant from the EPA’s National Clean Diesel Campaign, initially called for the purchase and installation of 188 APUs. Reduced equipment costs, however, enabled the installation of 45% more.

According to the University's news release, Werner Enterprises reported that its fleet's use of APUs corresponds to an annual reduction of nearly 1,000 tons of carbon dioxide. The link

<http://newsroom.unl.edu/releases/2011/07/25/Nebraska+Transportation+Center+helps+with+diesel+emissions+reduction> provides more information.

Unattended, Idling Ambulance Taken for a (Very Brief) Joy Ride

The Hillsboro, New Hampshire, fire department found a good reason to adopt a new idling reduction policy. Shortly before midnight on July 12, 2011, emergency personnel stopped for fast food and left their unlocked ambulance idling. Someone took control of the vehicle, drove it a few

hundred yards, hit a building, and fled on foot. Repairs to the ambulance will total thousands of dollars. More information about is available at <http://www.iems.com/article/news/suspect-sought-stolen-ambulance-incident>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available

at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html. For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois†	<i>Massachusetts*</i>	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in *brown* have legislation in process.

†Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmidatlantic.org/diesel/funding.htm>; Southeast

Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?selectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 17 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of National Idling Reduction Network News

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000 (as of June 27, 2011)	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$25,700 (as of July 26, 2011)	Rolling deadline—the last Friday of each month.	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
U.S. Department of Energy's (DOE) National Energy Technology Laboratory	State Energy Program (SEP) Program Year 2011	\$39 million	August 3, 2011	http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=101073
San Diego Air Pollution Control District (California)	Goods Movement Emission Reduction Program: Commercial Harbor Craft	~\$480,000	August 12, 2011	http://www.sdapcd.org/homepage/grants/grants.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Kansas Department of Health and Environment	Kansas Clean Diesel Program	\$250,000+	August 15, 2011	http://www.kdheks.gov/bar/air-monitor/dieselgrant.html
San Joaquin Valley Air Pollution Control District (California)	Technology Advancement Program (TAP) for Emission Reduction Projects	\$1.4 million	August 19, 2011	http://www.valleyair.org/Grant_Programs/TAP/tap_idx.htm#available-funding
Federal Transit Administration (FTA)	Transit Investment in Greenhouse Gas and Energy Reduction [TIGGER] III Program	\$49.9 million	August 23, 2011	http://www.fta.dot.gov/funding/grants/grants_financing_11424.html
FTA	Clean Fuels Grant Program	\$51.5 million	August 23, 2011	http://www.fta.dot.gov/funding/grants/grants_financing_3560.html
U.S. Environmental Protection Agency (EPA)	12th Annual Clean Air Excellence Awards	N/A	August 24, 2011	http://www.epa.gov/air/cleanairawards/index.html
CARB	Clean Vehicle Rebate Project (CVRP)	\$15 million	August 25, 2011	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
Wisconsin Department of Safety and Professional Services (DSPS)	Diesel Truck Idling Reduction Grant Program	~ \$1 million	August 26, 2011	http://dsps.wi.gov/er/docs/ER-DI-Diesel-Truck-Idling-Reduction-Grant-Program-Application-2011.pdf
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000+	September 1, 2011	http://www.epa.ohio.gov/oeef/schoolbus.asp
New York State Energy Research and Development Authority (NYSERDA)	Advancing Livable Communities through Sustainable Transportation	\$1.5 million	September 7, 2011	http://www.nyserda.org/funding/2314pon.asp
NYSERDA	Advanced Transportation Technologies	\$3.5 million	September 8, 2011	http://www.nyserda.org/funding/2271pon.asp
U.S. Department of Transportation (DOT)	TIGER III (Transportation Investment Generating Economic Recovery)	\$527 million	October 3, 2011, for pre-applications; October 31, 2011, for final applications	http://www.dot.gov/tiger/ (pre-application available on or before August 22, 2011)
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2011	http://www.sae.org/news/awards/list/e2t/
Washington State Department of Ecology	Washington State Clean Diesel Grant Program	\$7 million	October 17, 2011	http://www.ecy.wa.gov/programs/air/cars/diesel_exhaust_information.htm

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
NYSDERDA	New York State Clean Air School Bus Program, Round 3 (now includes coolant heaters)	~\$2.6 million	December 30, 2011 (or when all funds are exhausted)	http://www.nyserda.org/funding/1896summary.pdf
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Texas Idling Rules: More Changes Than You Can Shake a Stick At

Since June, when it adopted the 400-pound exemption and defined the consequences of violating the Texas Commission on Environmental Quality's (TCEQ) idling rule, Texas has made several additional changes related to heavy-duty vehicle idling. TCEQ's idling rule (30 Texas Administrative Code, Chapter 114, Subchapter J, Division 2), which is observed by many cities and counties in central and north-central Texas, has been revised so that the 5-minute idling rule is in effect year round, not just during "ozone season" (April 1 to October 1). The revised rule also reinstates an exemption that had expired in September 2009; heavy-duty vehicles may again idle during mandated rest periods to power heat or A/C for the vehicle's sleeper berth,

provided that the drivers are not within 2 miles of a facility offering external heat or A/C. Finally, armored vehicles are now among the vehicles exempt from the idling restrictions.

In jurisdictions that observe TCEQ's idling rule, the idling of heavy-duty vehicles is limited to 5 minutes. The anticipated effective date of the new modified rule is August 11, 2011. For more information, please to http://www.tceq.texas.gov/assets/public/legal/rules/rule_lib/adoptions/09054114_aex.pdf.

Illinois 400-Pound Exemption Bill Becomes Law in 2012

On July 27, 2011, Illinois Governor Pat Quinn signed into law SB 1644, a lengthy bill on truck weight and length matters. Amending the Illinois Vehicle Code, Public Act 097-020 will permit trucks equipped with APUs to weigh an additional 400 pounds or the certified unit weight, whichever is

less. This change to the Illinois Vehicle Code will become effective on January 1, 2012. To see the law as passed, please go to <http://www.ilga.gov/legislation/publicacts/97/097-0201.htm>.

Massachusetts Legislators Consider Three Idling Bills

In Massachusetts, the legislature is considering three bills that address vehicle idling.

- House Bill 907 (H907) would reduce the maximum idling time from 5 minutes to 2 minutes.
- H951 would exempt the weight of idling reduction systems from maximum truck weight restrictions (up to 400 pounds).
- Senate Bill 1780 (S1780) would broaden the list of exemptions to the Massachusetts idling law. Most significantly, it would permit truck idling during driver rest periods, if heating or A/C is required. Additionally, it states that should the Commonwealth create a

financial assistance program for “idle reduction technologies or strategies,” the exemption would expire 5 years thereafter. The proposed legislation would also exempt trucks that are waiting to load or unload from the idling rule.

More information is available at

http://www.landlinemag.com/todays_news/Daily/2011/Jul11/071811/072111-05.shtml. To see the status of the individual bills, please go to <http://170.63.65.52/Bills/187/House/H00907> (H907), <http://170.63.65.52/Bills/187/House/H00951> (H951), and <http://170.63.65.52/Bills/187/Senate/S01780> (S1780).

Introduced: Federal Bill Supporting Idling Reduction

Senators Herb Kohl (D-WI) and Roy Blunt (R-MO) have introduced a bill that would provide tax credits to buyers of energy-efficient trucks. With the goal of fortifying the advanced-vehicle industry and market, S.1285, the Hybrid and Electric Trucks and Infrastructure Act, would restore the expired Section 30B hybrid motor vehicle tax credit.

Section 4 of the bill, Tax Credit For Electrification Technologies To Reduce Truck Idling, includes a tax incentive of up to \$3,500 for devices that reduce idling of on-highway, heavy-duty (14,000+ pounds gross vehicle weight) diesel vehicles. The incentive would apply to both devices on trucks and idling reduction infrastructure. To follow the progress of the bill, which is currently in the Finance Committee, please go to <http://www.govtrack.us/congress/bill.xpd?bill=s112-1285>.

Western Canada Provinces Synchronize Truck Regulations

Through the New West Partnership Trade Agreement, Alberta, British Columbia, and Saskatchewan have standardized regulations and policies related to truck size and weight, including APUs. The provinces have also agreed to work toward coordinating truck-transport training and enforcement activities. Alberta’s Minister of Transportation, Luke Ouellette, said, “Harmonizing trucking regulations helps move people and goods more efficiently and contributes to continued economic growth and prosperity for our three provinces.” The goal of the New West Partnership is to create

Canada’s largest interprovincial barrier-free trade and investment market, thereby promoting and strengthening the region’s economy. The standardization agreement went into effect July 1, 2011. For more information, please see <http://www.trucknews.com/news/b-c-alberta-saskatchewan-harmonize-truck-regs/1000500341/#> and <http://www.gov.sk.ca/news?newsId=b7e822b7-6f2c-474b-9108-5f69cc2d66e1>. The link www.newwestpartnership.ca provides more information about the New West Partnership.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
New Richmond Utilities (New Richmond, Wisconsin)	Wisconsin's Office of Energy Independence and Wisconsin Clean Cities—Southeast Area	Hybrid electric utility truck (bucket use powered by battery rather than idling engine)	\$49,156
Port of Oakland	Bay Area Air Quality Management District (California)	Electrification of 11 berths	\$25 million
Poulsbo Fire Department (Poulsbo, Washington)	Washington State Department of Ecology	Installation of idle reduction technology on 2 engines and 2 medic units	\$39,000
School District 200 (Woodstock, Illinois)	Illinois EPA	Installation of direct-fired heaters on 35 school buses	\$101,189
School District 207-U (Peotone, Illinois)	Illinois EPA	Installation of direct-fired heaters on 29 school buses	\$86,933
Valley Regional Fire Authority (Auburn, Washington)	Washington State Department of Ecology	Installation of idle reduction technology on 2 fire engines	\$16,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	Supplement to the June 2010 Staff Report on Proposed Actions To Further Reduce Diesel Particulate Matter at High-Priority California Railyards	http://www.arb.ca.gov/railyard/commitments/suppcomceqa070511.pdf
DOE Office of Energy Efficiency and Renewable Energy (EERE)	2010 Vehicle Technologies Market Report	http://www1.eere.energy.gov/vehiclesandfuels/pdfs/2010_vt_market_rpt.pdf
Environmental Science and Technology	Performance of School Bus Retrofit Systems: Ultrafine Particles and Other Vehicular Pollutants	DOI: 10.1021/es201070t
Intelligent Transportation Systems Institute, Center for Transportation Studies, University of Minnesota	Counting Empty Parking Spots at Truck Stops Using Computer Vision	http://www.cts.umn.edu/publications/researchreports/pdfdownload.pl?id=1530

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Diesel Vehicle Regulation Overview	Lompoc, California	August 9, 2011	http://www.arb.ca.gov/training/courses.php?course=512
SAE Commercial Vehicle Engineering Congress	Rosemont, Illinois	September 13–14, 2011	http://www.sae.org/events/cve/
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/
17th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	October 3–6, 2011	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Hybrid Truck Users Forum (HTUF) National Conference 2011	Baltimore, Maryland	October 10–13, 2011	http://www.htuf2011.org/
Sustainable Shipping Conference	Vancouver, Canada	October 12–14, 2011	http://www.sustainablesipping.com/events/2011/vancouver/
The 4th Diesel Emissions Conference & Diesel Exhaust Fluid Forum	Atlanta, Georgia	October 17–19, 2011	http://www.integer-research.com/conferences/dec-usa/2011/programme/
2011 Railroad Environmental Conference	Champaign, Illinois	October 25–26, 2011	http://ict.illinois.edu/railroad/rrec/overview.asp
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/
Transportation Research Board's (TRB) 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 25–27, 2012	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx

TRUCK STOP ELECTRIFICATION

More TSE for Tennessee

In Dandridge, Tennessee, the TR Auto Truck Plaza is now equipped with 30 electrified parking spaces, thanks to American Recovery and Reinvestment Act (ARRA) funding obtained through the EPA's National Clean Diesel Campaign and the state's Department of Transportation.

The EnviroDock truck stop electrification (TSE) system includes 20 E-Dock units and 10 PowrDock pedestals. The E-Dock, a stand-alone HVAC system, also offers access to a duplex power outlet for in-cab appliances such as computers and microwaves as well as a separate outlet for engine block heaters. The PowrDock pedestals serve drivers who need electricity only. The pedestals, which provide 20-amp and 30-amp electrical service, power APUs, engine block heaters, and in-cab appliances.

More information is available at <http://www.envirodock.com/images/TR-Press-Release-062011.pdf>. For more information about the stationary E-Dock, please click on <http://www.envirodock.com/e-dock-stat.php>. For more information about the PowrDock, please go to <http://www.envirodock.com/powrdock.php>. (Photo: E-dock installation at the TR Auto Truck Plaza, Dandridge, Tennessee. Photo courtesy of EnviroDock)



PORTS

California Ports: They're Electrifying!

The California's South Coast Air Quality Management District (SCAQMD) has allocated \$58 million for shore power installations at three Ports. The projects slated are 25 shore power systems (Port of Los Angeles, 10; Port of Long Beach, 12; and Port Hueneme, 3) and the electrification of a Carnival Cruise ship. According to SCAQMD, the use of these shore power terminals

will reduce nitrogen oxide (NOx) emissions by 762 tons/year and particulate matter (PM) emissions by 13 tons/year. The electrification of the Carnival Cruise ship will reduce NOx by 59 tons/year and PM by 2 tons/year. To the north, the Bay Area Air Quality Management District (BAAMQD) awarded the Port of Oakland \$25 million for 11 shore power installations on

May 27, 2011. On the same day, shipping company APL's electrification project went into service at the Port. In late 2009, BAAQMD awarded APL \$4.8 million to retrofit its vessels and terminal for cold ironing at the Port. According to APL, the use of shore power at the Port of Oakland will reduce annual NOx emissions by 50,000 pounds and PM by 1,500 pounds. For more

information, please see

http://www.baaqmd.gov/~media/Files/Communications%20and%20Outreach/Publications/News%20Releases/2011/shoreside_110527-2.ashx and http://www.apl.com/press_releases/html/press_release_20110527.html.

RAILROADS

Health Study Set for San Bernardino Rail Yard Area

With about \$850,000 in funding from SCAQMD, scientists from California's Loma Linda University are undertaking a 2-year study on the health impacts of air pollution on those who live near the BNSF rail yard in San Bernardino. The study investigators will focus on the prevalence of respiratory and cardiovascular diseases, as well as rates of cancer and asthma. In 2008, CARB found that of all the rail yards in California, the San Bernardino rail yard was most associated with health risks to the surrounding community.

A spokeswoman for BNSF, Lena Kent, said that it would be "impossible scientifically to link any health effects to our San Bernardino rail facility," because of the facility's proximity to the 215 Freeway, a major artery linking Los Angeles and Las Vegas. In addition, the facility is located in the Inland Empire basin, where pollution from many sources gets trapped.

For more information about the study, please click on

https://us.vocuspr.com/Newsroom/Query.aspx?SiteName=LLUNewsroom&Entity=News&SF_News_NewsID_EQ=28522423&XSL=NewsText&Cache=True.

Upstate New York Welcomes Its First Green Locomotive

A public-private partnership has generated a first for upstate New York: an ultra-low emission locomotive. The new gen-set locomotive, funded with \$1 million from the New York State Department of Transportation (through ARRA funding) and \$450,000 from CSX, was unveiled on June 30, 2011, in Selkirk, New York.

Composed of three small engines, the new locomotive cycles engines on and off according to power need. (Trains require power for reasons other than propulsion, so even stationary trains often require some amount of power.) According to the EPA, the new locomotive will reduce engine emissions of both NOx and PM by 80%. More information is available at <http://yosemite.epa.gov/opa/admpress.nsf/0/C0D83919E2372F9E852578BF00588259>.

OTHER NEWS OF INTEREST

Idling Reduction Incentive: How about a Truck of Your Own?

Transport company U.S. Xpress (Chattanooga, Tennessee) has kicked off an attractive idling reduction incentive. Company drivers who register the lowest idling-time percentages qualify for a quarterly drawing, the prize for which makes the winner a truck owner-operator. U.S. Xpress provides a truck and makes vehicle payments for the first 2 years, during which the winner agrees to remain an independent contractor with the company.

The first winner, Scot Hays, a driver who has been with U.S. Xpress for 17 years, was chosen from a pool of 150 low idlers in May. "This is the greatest thing that has happened in my career. I was blown away when I heard my name called as the winner of the truck," said Hays. Please see <http://fleetowner.com/management/news/idle-reduction-contest-us-xpress-0708/> for more information.

ATRI Updates Idling Law Compendium

The American Transportation Research Institute (ATRI) has updated its list of state and local idling regulations. ATRI's online resource offers not only links to individual regulations but a file that can be downloaded for use as a cab card reference.

To access the compendium, please go to <http://www.atri-online.org/> and click on the compendium link at the left.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois†	<i>Massachusetts*</i>	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

†Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at

http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmidatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative

(Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>)—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at

least 17 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of

specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

June 2011

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000 (as of June 27, 2011)	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$76,000 (as of May 26, 2011)	Rolling deadline—the last Friday of each month	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
U.S. Department of Energy's (DOE) National Energy Technology Laboratory	State Energy Program (SEP) Program Year 2011	\$39 million	August 3, 2011	http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=101073
San Diego Air Pollution Control District (California)	Goods Movement Emission Reduction Program: Commercial Harbor Craft	~\$480,000	August 12, 2011	http://www.sdapcd.org/homepage/grants/grants.html
Kansas Department of Health and Environment	Kansas Clean Diesel Program	\$250,000+	August 15, 2011	http://www.kdheks.gov/bar/air-monitor/dieselgrant.html

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Federal Transit Administration	Fiscal Year 2011 Sustainability Initiative	\$101.4 million <i>(\$51.5 million from the Clean Fuels Program, and \$49.9 million from the Transit Investment in Greenhouse Gas and Energy Reduction [TIGGER] III Program)</i>	August 23, 2011	http://www.fta.dot.gov/news/news_events_12814.html
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2011	http://www.sae.org/news/awards/list/e2t/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Texas and Oregon Idling Bills Become Law

The idling legislation momentum continues. Texas Governor Rick Perry signed into law Senate Bill (SB) 1906, which defines the consequence of violating the Texas Commission on Environmental Quality's (TCEQ) idling rule. (The rule applies in any local jurisdiction that has signed a Memorandum of Agreement with the TCEQ.) Starting on September 1, 2011, violations of the idling rule will be considered a Class C misdemeanor, the penalty for which is a fine of up to \$500. TCEQ's rule prohibits heavy-duty vehicles from idling for more than 5 minutes between April 1 and October 31, with some exceptions, including federally mandated rest periods. For more information about the TCEQ idling rule and to see which counties and municipalities adhere to it, please go to <http://www.nctcog.org/trans/air/programs/idling/engineoffnorthtexas/drivers.asp#Adoptees>.

Another piece of Texas legislation signed into law, SB 493, permits trucks equipped with idling reduction technology to weigh an additional 400 pounds. Effective immediately, the law also states that the TCEQ may not "prohibit or limit" the idling of trucks with newer engine models (2008 or newer engine certified by the U.S. Environmental Protection Agency [EPA], or a state environmental agency, to emit no more than 30 grams/hour of nitrogen oxide [NOx] emissions when idling). To read the text of the bill as enrolled, please go to <http://www.capitol.state.tx.us/tlodocs/82R/billtext/pdf/SB00493F.pdf#navpanes=0>.

In Oregon, Governor John Kitzhaber signed House Bill (HB) 2081, a measure that limits heavy-duty idling to 5 minutes within a 60-minute period. There are numerous exemptions, including rest periods when the outside temperature is less than 50°F or more than 75°F.

Unlike other recently passed state bills relating to idling reduction, this bill was not passed by an overwhelming majority. One provision that caused some discord during bill consideration disallows local governments from setting their own idling restrictions. A late change in the bill grandfathered in any such rules that were in place on January 1, 2011.

The penalty for violating the Oregon idling law, which goes into effect on January 1, 2012, is a \$180 fine. To read the full text of the enrolled bill, please click on

<http://www.leg.state.or.us/11reg/measpdf/hb2000.dir/hb2081.en.pdf>.

Heavy-Duty Hybrid RD&D Bill Introduced in U.S. Senate

In May, Senator Susan Collins (R-ME) introduced S.938, the Heavy-Duty Hybrid Vehicle Research, Development, and Demonstration (RD&D) Act of 2011. Amending the U.S. Energy Storage Competitiveness Act of 2007, the act would direct the Energy Secretary to establish an applied research program dedicated to advanced heavy-duty (gross weight, 14,000–33,000 pounds) hybrid vehicles. It would also direct the Secretary to create a pilot program to research and test the effects of the widespread use of plug-in hybrid vehicles—including advanced heavy-duty—on the electric power

grid. The competitive program would provide between three and seven grants of up to \$3 million in each of 3 years.

The bill has been referred to the Committee on Energy and Natural Resources. For the bill summary and status, please go to

<http://thomas.loc.gov/cgi-bin/bdquery/z?d112:SN00938:@@L&summ2=m&>.

Chicago Code: “Clean Diesel” Construction Ordinance

Chicago’s City Council has passed a clean diesel contracting ordinance. The rule, which amends Section 2-92 of the Municipal Code with the addition of Section 595, applies to 8,500+-pound diesel vehicles doing work associated with city contracts. “Construction” is defined broadly to include demolition, restoration, environmental remediation, or environmental abatement of any structure or parcel of land.

In addition to requiring the use of low-sulfur diesel fuel, the law states that contractors must “minimize idling of motor vehicles and non-road vehicles

used in the performance of the contract during periods of inactivity and shall comply with the anti-idling requirements imposed by any applicable federal, state or local law.” Violations of the ordinance could result in fines of up to \$5,000 per day.

The ordinance applies to City contracts of \$2 million or more, awarded on or after June 1, 2011. To read the text of the ordinance, please see

http://www.amlegal.com/pdffiles/Chicago/4-13-11_115270.pdf.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
American Central Transport (Missouri)	Mid-America Regional Council (MARC)	Purchase and installation of 4 APUs	\$22,500
Blue Springs School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 49 school buses	\$89,050
BNSF Railways (Missouri)	MARC	Purchase and installation of automatic engine startup/shutdown devices for 8 switcher locomotives	\$143,250
Brandon Walters Trucking	MARC	Purchase and installation of 1 APU	\$6,675
First Student of Kansas City (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 24 school buses	\$50,110
First Student of Parkhill (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 24 school buses	\$52,181
Grain Valley School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 25 school buses	\$52,800
Independence School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 44 school buses	\$76,500
Kansas City Southern Railway (Missouri)	MARC	Purchase and installation of automatic engine startup/shutdown devices for 5 switcher locomotives	\$43,084
Lee's Summit School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 53 school buses	\$95,200
Liberty School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 25 school buses	\$52,198
NJ Transit (New Jersey)	North Jersey Transportation Planning Authority (NJTPA)	Purchase of 4 diesel engines that incorporate the EPA-certified Tier 0+ emissions kit and four automatic engine start/stop systems for older work train and service locomotive engines	\$800,000
Bridgeport Exempted Village Schools (Belmont County, Ohio)	Ohio EPA	Retrofit of 7 buses with diesel particulate filters and closed crankcase filter systems and installation of idle reduction equipment on 8 buses	\$85,524
Brown Local Schools (Carroll County, Ohio)	Ohio EPA	Retrofit of 4 buses with diesel oxidation catalysts and installation of idle reduction equipment on 8 buses	\$23,040
Elgin Local Schools (Marion County, Ohio)	Ohio EPA	Retrofit of 6 buses with diesel oxidation catalysts and installation of idle reduction equipment on 14 buses	\$45,755
Euclid City Schools (Cuyahoga County, Ohio)	Ohio EPA	Installation of idle reduction equipment on 21 buses	\$42,147
Fairless Local Schools (Stark County, Ohio)	Ohio EPA	Installation of idle reduction equipment on 18 buses	\$38,340
Holmes County Board of Developmental Disabilities (Holmes County, Ohio)	Ohio EPA	Retrofit of 4 buses with diesel oxidation catalysts and installation of idle reduction equipment on 11 buses	\$29,430

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Liberty Local Schools (Trumbull County, Ohio)	Ohio EPA	Retrofit of 17 buses with diesel oxidation catalysts and installation of idle reduction equipment on 6 buses	\$32,224
Manchester Local Schools (Summit County, Ohio)	Ohio EPA	Retrofit of 6 buses with diesel oxidation catalysts and closed crankcase filter systems and 8 buses with closed crankcase filter systems and idle reduction equipment	\$36,106
Minerva Local Schools (Stark County, Ohio)	Ohio EPA	Installation of idle reduction equipment on 7 buses	\$14,910
Salem City Schools (Columbiana County, Ohio)	Ohio EPA	Retrofit of 6 buses with diesel oxidation catalysts and idle reduction equipment	\$20,550
South Range Local Schools (Mahoning County, Ohio)	Ohio EPA	Retrofit of 13 buses with diesel oxidation catalysts and installation of idle reduction equipment on 16 buses	\$51,725
United Local Schools (Columbiana County, Ohio)	Ohio EPA	Retrofit of 8 buses with diesel oxidation catalysts and installation of idle reduction equipment on 12 buses	\$37,000
Urbana City Schools (Champaign County, Ohio)	Ohio EPA	Retrofit of 11 buses with diesel oxidation catalysts and installation of idle reduction equipment on 9 buses	\$28,01
Carnival Cruise Lines	South Coast Air Quality Management District (California)	Electrification of one cruise ship for shore-power capability at the Long Beach cruise terminal	\$1.6 million
Clean Air Campaign (Atlanta, Georgia)	UPS Foundation	Creation of an educational high school pilot program, Get There Green, and expansion of the Clean Air Campaign's No-Idling Program	\$47,127

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	2011 Carl Moyer Program Guidelines	http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm
CARB	Proposed AB 118 Air Quality Improvement Program Funding Plan for Fiscal Year 2011–12	http://www.arb.ca.gov/msprog/aqip/fundplan/proposed_aqip_fy2011_funding_plan.pdf
CARB	Proposed Amendments: Mobile Cargo Handling Equipment Regulation (presentation from June 27, 2011, workshop)	http://www.arb.ca.gov/ports/cargo/presentations/062711pres2.pdf
EPA	Clean Ports USA: Talking Freight Webinar	http://www.fhwa.dot.gov/planning/freight_planning/talking_freight/talkingfreight5_18_at.pdf

SOURCE	TITLE	WEBSITE OR CONTACT
Harvard Center for Risk Analysis	The Public Health Costs of Traffic Congestion: A Health Risk Assessment	http://www.transportationconstructioncoalition.org/Docs/TCC-Harvard-Traffic-Congestion-Report-Final.pdf
Transportation Research Board (TRB)	Performance Measures for Freight Transportation	http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_010.pdf
TRB	Truck Drayage Productivity Guide	http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_011.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
2011 TRB Joint Summer Meeting: Future Directions for the Federal Transportation Programs	Boston, Massachusetts	July 10–13, 2011	http://www.trb.org/Main/Blurbs/2011_TRB_Joint_Summer_Meeting_164066.aspx
Clean Transportation Education Project: Idle Reduction/Fuel Economy Workshop	Knoxville, Tennessee	July 13, 2011	http://www.ncsc.ncsu.edu/cleantransportation/altfueled/schedule.php
U.S. Department of Transportation Applications for the Environment: Real-Time Information Synthesis (AERIS) Transformative Concepts Workshop	Washington, D.C.	July 13, 2011	http://www.its.dot.gov/meetings/aeris_workshop.htm
CARB Diesel Vehicle Regulation Overview	Los Angeles, California	July 19, 2011	http://www.arb.ca.gov/training/courses.php?course=512
CARB Public Hearing To Consider Approval of the Proposed AB 118 Air Quality Improvement Program Funding Plan for Fiscal Year 2011–12	Sacramento, California	July 21, 2011	http://www.arb.ca.gov/lispub/comm/bclist.php
NCTCOG Make It Green: Idle and Emission Reduction Seminar	Arlington, Texas	July 21, 2011	http://makeitgreen.eventbrite.com/
CARB Diesel Vehicle Regulation Overview	Lompoc, California	August 9, 2011	http://www.arb.ca.gov/training/courses.php?course=512
SAE Commercial Vehicle Engineering Congress	Rosemont, Illinois	September 13–14, 2011	http://www.sae.org/events/cve/
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/
17th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	October 3–6, 2011	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Hybrid Truck Users Forum (HTUF) National Conference 2011	Baltimore, Maryland	October 10–13, 2011	http://www.htuf2011.org/
Sustainable Shipping Conference	Vancouver, Canada	October 12–14, 2011	http://www.sustainablesipping.com/events/2011/vancouver/
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/
TRB 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 25–27, 2012	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx

TRUCK STOP ELECTRIFICATION

Tennessee Travel Plaza Electrifies All 50 Truck Parking Spaces

On June 22, Eco Travel Plaza in Crossville, Tennessee, unveiled new truck stop electrification (TSE) capability for each of its 50 parking spaces. Eighteen AireDock systems provide heating and cooling to trucks through window adaptors, and 32 Shorepower units provide electricity for a truck's on-board equipment. Wireless access is also provided at the site. Other new resource-conserving measures at the travel plaza include a 35-kW solar-power system, on-site recycling, and waterless urinals. The travel plaza operator plans to install two electric-vehicle charging stations in the coming months.

According to the East Tennessee Clean Fuels Coalition, if the equipment is used at 50% capacity over the next 10 years, the pollution reductions achieved will be as follows: NOx, 337 tons; particulate matter (PM), 10 tons; carbon monoxide, 144 tons; and carbon dioxide, 21,818 tons.

The project was completed with the assistance of an EPA American Recovery and Reinvestment Act (ARRA) grant of \$580,000. For more information, please go to http://eerc.ra.utk.edu/etcfc/NR/ETCleanFuels-NR_ETPGrandOpening_6-17-11.pdf and <http://www.ecotravelplaza.com>.

PORTS

Shore Power Debuts at the New Haven Port Authority

The New Haven Port Authority is now equipped with TSE for fuel trucks in queue to collect oil from docked tankers. According to Dan Shanahan, Director of Sales and Marketing for CabAire, this is the first such TSE installation at a U.S. port facility. At the site, 14 CabAire spaces offer truck drivers both HVAC and shore power for in-cab electrical needs. Self-service

vending machines allow drivers to select and activate a TSE space and pay for HVAC or shore power, and a window adapter, if needed. The project was funded by the Connecticut Department of Environmental Protection through a \$380,256 EPA ARRA grant. For more information, please go to <http://www.ct.gov/dep/cwp/view.asp?Q=480884&A=4013>.

SmartWay Launches New Drayage Truck Program

With the goal of reducing emissions at ports, EPA has announced a new SmartWay drayage truck initiative. Participating carrier partners commit to tracking emissions, replacing older trucks with newer, cleaner ones, and achieving at least a 50% reduction in PM and a 25% reduction in NOx, below the industry average, within 3 years. Shippers who are already members of SmartWay commit to shipping 75% of their port cargo with SmartWay dray carriers within 3 years. Best Buy, Hewlett-Packard, Home Depot, JC Penney,

Lowe's, Nike, Target, and Walmart are charter shipper partners in the new drayage program.

According to the EPA, older drayage trucks (model year ≤ 1994) emit about 60 times more fine particles (PM 2.5 μm) than do newer trucks (model year ≥ 2007). For more information about this new component of the SmartWay program, please see

<http://www.epa.gov/smartway/transport/documents/drayage/420f11088.pdf>.

OTHER NEWS OF INTEREST

Millions in Rebate Funds Available for Idling Reduction Equipment

Through DOE's Shorepower Truck Electrification Project (STEP) managed by Cascade Sierra Solutions, truck owners may save up to 20% on the cost of installed idling reduction equipment. More than \$10 million in rebates is available for devices on medium- and heavy-duty diesel trucks. The rebate maximums are \$2,000 for APUs or generator sets with electric-standby options; \$1,600 for battery HVAC systems; \$700 for battery evaporative cooler systems; \$260 for thermal storage systems; \$3,200 for truck cold-

plate systems; \$5,000 for trailer transport refrigeration units with electric-standby options; and \$5,000 for hybrid transport refrigeration units with electric-standby options. The link http://www.csswebform.org/WebForm/Supplier_list.aspx contains a list of all manufacturers' qualifying equipment. For more information about the STEP program, please go to http://csswebform.org/WebForm/TSE_home.aspx.

Ottawa Police Adopt Idling Reduction System

In Ontario, Canada, the Ottawa Police Service has begun using idling reduction technology developed by Canada's National Research Council. Thirty cruisers will be equipped with an auxiliary battery that powers computers, lights, and other accessories. The anticipated net annual savings for each vehicle is Can\$1,764, with an expected 18-month return on investment. The new equipment will not only reduce fuel use and emissions, but prolong engine life.

A 2009 study conducted by the Ottawa Police Service determined that patrol cars idled 67% of the time, or 6.7 hours per 10-hour shift. The Ottawa Police Service seeks to reduce idling by 40% during the first year of using the new system. For more information about the idling reduction system, please click on

<http://www.ottawapolice.ca/en/MediaRoom/NewsReleases/11-05-25/996ef371-a886-4ce2-b0a2-488a40685961.aspx>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

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For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at

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Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois**	Massachusetts*	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process. **Awaiting governor's signature. †Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative

(Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 17 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

May 2011

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.6 million (as of April 29, 2011)	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work-for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$150,000 (as of May 6, 2011)	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/sbiz7d9
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$76,000 (as of May 26, 2011)	Rolling deadline—the last Friday of each month	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

New Hampshire, Illinois, and Texas Lawmakers Pass 400-Pound Exemption Bills

May was a very good month for the 400-pound weight exemption for trucks equipped with idling reduction technology. In New Hampshire, Governor John Lynch signed House Bill (HB) 117, which authorizes the additional weight effective as of January 1, 2012. The final version of the bill is available at <http://www.gencourt.state.nh.us/legislation/2011/HB0117.html>.

Lawmakers in both Illinois and Texas moved weight exemption bills to their respective governor's desks. Illinois's Senate Bill (SB) 1644, a lengthy bill amending the Illinois Vehicle Code, was approved unanimously by both the Senate and the House. The bill must reach Governor Quinn's desk within 30 days, after which it must be signed in 60 days. The text of the enrolled bill may be found at

<http://www.ilga.gov/legislation/fulltext.asp?DocName=&SessionId=84&GA=97&DocTypeId=SB&DocNum=1644&GAID=11&LegID=57604&SpecSess=&Session>.

In Texas, lawmakers also approved their weight exemption bill, SB 493, by an overwhelming majority. The bill permits an additional 400 pounds for trucks equipped with idling reduction technology. It also eliminates idling restrictions for trucks equipped with a 2008 or newer diesel engine that has been certified by the U.S. Environmental Protection Agency (EPA) or a state environmental agency to have nitrogen oxide idling emissions of no more than 30 grams/hour. The act will be effective with the Texas Governor's signature. To read the text of the enrolled bill, please go to <http://www.capitol.state.tx.us/tlodocs/82R/billtext/pdf/SB00493F.pdf#navpanes=0>.

Idling Law: Colorado and Oregon Advance and Vermont Stalls

Colorado lawmakers have passed a bill that will place some restrictions on the idling of commercial diesel vehicles weighing more than 14,000 pounds. HB 1275, which was signed by Governor John Hickenlooper May 27, would disallow such vehicles from idling for more than 5 minutes per hour. However, the law has a number of exemptions, including when a vehicle is "used to heat or cool a sleeper berth compartment during a rest or sleep period at a safety rest area as defined under 23 CFR 752.3, fleet trucking terminal, commercial truck stop, or state-designated location designed to be a driver's rest area." Violations would result in a fine of up to \$150 for a first offense and \$500 for subsequent offenses. The text of the bill as passed is available at http://www.leg.state.co.us/CLICS/CLICS2011A/csl.nsf/fsbillcont3/4D6BAB72DE5693F38725784000679549?Open&file=1275_rer.pdf.

In Oregon, HB 2081, which would restrict the idling of heavy-duty vehicles on public property to 5 minutes within any 60-minute period, has passed both the House and the Senate. House amendments include a provision that would prohibit city, county, or other local governments from enacting their own commercial-vehicle idling restrictions. The bill also includes a number of exemptions to the idling rule, such as allowing idling during mandated rest periods when the temperature is less than 50°F or more than 75°F and the engine is required to power heating or cooling systems. Additionally, when a truck is unloading or waiting to unload, idling would be permitted for 30 minutes within a 60-minute period. Violations of the rule would result in a \$180 fine. To read the text of the bill, please go to <http://gov.oregonlive.com/bill/2011/HB2081/>.

Vermont's legislative session ended with two idling reduction bills—HB 154 and SB 81—stalled in their respective committees until lawmakers reconvene next January. The companion bills would limit the idling of trucks weighing more than 10,000 pounds to no more than 5 minutes in a 60-minute period and hold both the vehicle operator and vehicle owner (if they are not the same) responsible. First-time violators would receive a warning ticket. Repeat offenses within a 2-year period would lead to a fine of up to

\$150 for the driver and a fine of up to \$500 for the vehicle owner. Vermont is the only New England state that does not currently regulate the amount of time heavy-duty diesel vehicles may idle. The links <http://www.leg.state.vt.us/docs/2012/bills/Intro/H-154.pdf> and <http://www.leg.state.vt.us/database/status/summary.cfm?Bill=S%2E0081&Session=2012> contain the text of the two bills.

Federal Clean Construction Legislation Introduced

Introduced in the U.S. Senate by Tom Carper (D-DE) on May 12, 2011, the Clean Construction Act of 2011 (S. 972) seeks to advance the use of cleaner construction equipment in federally funded transportation projects in areas in nonattainment for particulate matter. Amending Titles 23 and 49 of the

United States Code, it would make funding available for the acquisition and installation of emissions control technology, including idling reduction technology, for these projects. To read the text of the bill, please click on <http://www.govtrack.us/congress/bill.xpd?bill=s112-972>.

U.S. House Hears Revived Jason's Law Bill

Named for a truck driver who was murdered while waiting in his parked truck to make a delivery, legislation that never advanced out of committee in the previous session has been reintroduced. Jason's Law, or House Resolution (H.R.) 1803 "To Amend the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users To Improve Truck Parking Facilities," seeks to alleviate the shortage of safe parking spaces for truck drivers. Congressman Paul Tonko (D-NY) is the sponsor of H.R. 1803, which was introduced on May 11, 2011.

Jason's Law would allocate \$20 million for fiscal years 2012 through 2017 to remedy parking shortages. In recognition of the current budget climate, H.R. 1803 proposes that funds be drawn from the U.S. Department of Transportation's (DOT) Congestion Mitigation and Air Quality (CMAQ) Improvement Program rather from a new allocation.

The bill is in committee. For more information, please see http://www.truckinginfo.com/news/news-detail.asp?news_id=73746&news_category_id=3.

The link <http://www.govtrack.us/congress/billtext.xpd?bill=h112-1803> provides the full text of the bill.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Atlantic Distribution Services, Inc. (Exeter, New Hampshire)	New Hampshire Department of Environmental Services (NHDES)	Purchase of 11 APUs	\$109,996
C&J Transit (Portsmouth, New Hampshire)	NHDES	Purchase of 10 transit coach auxiliary heaters	\$87,000
SAU 20 (Gorham, New Hampshire)	NHDES	Purchase of 8 engine preheaters for school buses	\$24,000
University of New Hampshire (Durham, New Hampshire)	NHDES	Purchase of 7 transit coach auxiliary heaters	\$29,299
AM&S Inc. dba Blue Star Trucking (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000
Ms. Deborah Jackson, Owner-Operator (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000
Double D Transportation (Texas)	NCTCOG	Purchase and installation of 2 APUs	\$10,000
Mr. Luis Hernandez, Owner-Operator (Texas)	NCTCOG	Purchase and installation of 1 APU	\$5,000
Bedford City Schools (Cuyahoga County, Ohio)	Ohio EPA	Purchase and installation of idle reduction equipment for 16 school buses	\$25,216
Elite Carriers (Wausau, Wisconsin)	Wisconsin Department of Natural Resources (DNR)	Purchase of 11 battery-powered heating, ventilation, and air-conditioning (HVAC) units	\$33,226
Fischer Transportation (Oshkosh, Wisconsin)	Wisconsin DNR	Purchase of 3 direct-fired heaters	\$3,300
Fox Valley Alfalfa Mill (Hilbert, Wisconsin)	Wisconsin DNR	Purchase of 3 APUs	\$12,442
Kobussen Buses (Oshkosh, Wisconsin)	Wisconsin DNR	Purchase of 25 direct-fired heaters and 9 bus replacements	\$225,514
I-View Transport (Union Grove, Wisconsin)	Wisconsin DNR	Purchase of 1 battery-powered HVAC unit	\$4,777
Timblin Transit (Eden, Wisconsin)	Wisconsin DNR	Purchase of 7 fuel-operated heaters	\$5,124

NEDC Honors Organizations for Idling Reduction

In its recent Breathe Easy Recognition Program, the Northeast Diesel Collaborative (NEDC) honored six organizations, two of which were recognized for their idling reduction initiatives.

The New Hampshire School Transportation Association (NHSTA) received a Leadership Award for its long-standing partnership with the NHDES to

advance idling reduction. In 2002, with the goal of promoting better air quality for school children and bus drivers, the NHSTA partnered with the NHDES to launch a voluntary program to encourage fleet managers and school bus drivers to adopt policies and practices to reduce engine idling time. For information about New Hampshire's school bus idling reduction initiative, please go to

<http://www.des.state.nh.us/organization/divisions/air/tsb/tps/msp/irc/schoolbus.htm>.

The New Jersey Department of Environmental Protection (NJDEP) received an Achievement Award for its Diesel Risk Reduction Program. Among its initiatives are anti-idling outreach work and support for truck stop electrification. Information about NJDEP's Diesel Risk Reduction Program may be found at <http://www.nj.gov/dep/stopthesoot/>.

The NEDC, which includes the six New England states, New York, New Jersey, Puerto Rico, and the U.S. Virgin Islands, is a partnership between the U.S. EPA, state agencies, and private and nonprofit groups. To read about all of the award winners, please visit

<http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/fdc06487a7d5fd29852578850063b23b!OpenDocument>.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
<i>Atmospheric Chemistry and Physics</i>	Secondary Aerosol Formation from Photochemical Aging of Aircraft Exhaust in a Smog Chamber	http://www.atmos-chem-phys.net/11/4135/2011/acp-11-4135-2011.html
CARB	Physicochemical and Toxicological Assessment of PM Emissions from Heavy-Duty Vehicles Operating with and without Emission Control Technologies	http://www.arb.ca.gov/research/seminars/sioutas2/sioutas2.pdf
NEDC	Diesel Emission Controls in Construction Projects: Model Contract Specification	http://www.northeastdiesel.org/pdf/NEDC-Construction-Contract-Spec.pdf
New York State Energy Research and Development Authority (NYSERDA)	Electrifying the Hudson River Food Corridor: A Conceptual Design	http://www.ces-ltd.com/uploads/news/id61/Electrifying%20the%20Hudson%20River%20Food%20Corridor%20-%20A%20Conceptual%20Design.pdf

MANUFACTURERS' NEWS

That's a Lot of NITES

This month, Bergstrom Inc. celebrated a manufacturing milestone—the production of its 20,000th NITE unit. The landmark unit was a NITE Phoenix, the newest of the manufacturer's battery-powered, no-idle systems. In addition to the NITE Phoenix, Bergstrom manufactures the NITE Plus and the NITE Day Cab. According to Bergstrom, with the shipment of the 20,000th

unit, NITE system users are now saving a total of 75.8 million gallons of fuel per year—roughly 1.8 million barrels of fuel. In 2009, Bergstrom marked the manufacture of its 10,000th unit. The NITE system has been in production since 2004. For more information, please go to www.nitesystem.com.

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/
U.S. Department of Energy (DOE) Clean Cities Stakeholder Summit	Indianapolis, Indiana	June 27–30, 2011	http://www.regonline.com/builder/site/default.aspx?eventid=961130
2011 Transportation Research Board (TRB) Joint Summer Meeting: Future Directions for the Federal Transportation Programs	Boston, Massachusetts	July 10–13, 2011	http://www.trb.org/Main/Blurbs/2011_TRB_Joint_Summer_Meeting_164066.aspx
Clean Transportation Education Project: Idle Reduction/Fuel Economy Workshop	Knoxville, Tennessee	July 13, 2011	http://www.ncsc.ncsu.edu/cleantransportation/altfuel/schedule.php
U.S. DOT Applications for the Environment: Real-Time Information Synthesis (AERIS) Transformative Concepts Workshop	Washington, D.C.	July 13, 2011	http://www.its.dot.gov/meetings/aeris_workshop.htm
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/
17th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	October 3–6, 2011	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Hybrid Truck Users Forum (HTUF) National Conference 2011	Baltimore, Maryland	October 10–13, 2011	http://www.htuf2011.org/
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/
TRB 91st Annual Meeting	Washington, D.C.	January 26–26, 2012	http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	http://www.calstart.org/Events/CALSTART-Events.aspx

PORTS

Shore Power Cleans Air around San Diego Bay

In its first 5 months of operation, the Port of San Diego's shore power system for cruise ships has reduced lifecycle pollutants by 22 tons and greenhouse gases by 448 tons, according to the Port. The calculations were

made by estimating emissions from the generation of grid electricity and comparing them to the emissions from the combustion of marine-grade diesel fuel conventionally used by ships.

According to Cody Hooven, Associate Environmental Specialist for the Port, “Each time a cruise ship connects to the shore power system, it’s equivalent to taking close to 400 passenger cars off the road for one day in pollution reductions. And, for greenhouse gasses, it’s equivalent to removing close to 1,300 passenger cars from the road for one day.”

The \$7.1 million shore power system, installed in November 2010 by Cochrane Marine, was supported by \$2.4 million in Carl Moyer grant funding. For more information, please go to <http://www.portofsandiego.org/environment/2552-data-shows-shore-power-system-reducing-tons-of-air-pollutants.html>, which includes a video about the project.

Sea-Tac Tackles Idling-Aircraft Emissions

The Seattle-Tacoma Airport (Sea-Tac) is constructing a system to allow aircraft on the ground to shut down their APUs and hook up at any of Sea-Tac’s 73 gates to receive warm or cool preconditioned air. In what is essentially a “shore power” project, aircraft will draw air preconditioned by a central plant equipped with a chilled- and heated-water distribution system. Every year, according to the Airport, the system will reduce emissions by about 40,000 metric tons of carbon dioxide—the equivalent of removing 8,700 cars from the road—and save airlines up to 5 million gallons in fuel.

The \$33 million project, scheduled to be complete by the end of 2012, is funded in part by an \$18.3 million Voluntary Airport Low Emission (VALE) Grant from the Federal Aviation Administration. The link http://www.portseattle.org/downloads/about/Blueprint_Spring2011.pdf contains more information.

This is not the first of the Airport’s electrification programs. In 2009, the DOE’s Clean Cities initiative awarded Sea-Tac \$5 million in American Recovery and Reinvestment Act money to fund the installation of electric charging stations for ground-support equipment and the replacement of 200 gas and diesel vehicles with electric vehicles.

Study: Sunlight Dramatically Increases Ultrafine Particles in Idling-Jet Exhaust

A recent study published in *Atmospheric Chemistry and Physics* describes the results of a study of jet emissions—chiefly, particulate matter (PM)—in response to sunlight. The researchers found that sunlight’s oxidation of the particles emitted at 4% engine load (which corresponds to ground idling) results in up to 35 times more particles than were in the primary emissions. Higher numbers of the secondary PM were seen within minutes of primary emissions.

Reportedly the first to examine aircraft emissions’ response to sunlight, the study suggests that secondary PM should be a key consideration in the influence of aircraft emissions on both local and regional air quality. For more information, please see http://www.sciencenews.org/view/generic/id/74131/title/Idling_jets_pollute_more_than_thought. An abstract of the article is available at <http://www.atmos-chem-phys.net/11/4135/2011/acp-11-4135-2011.html>.

OTHER NEWS OF INTEREST

Argonne Partners with Illinois Tollway To Study Ways To Reduce Fuel Use

Argonne National Laboratory and the Illinois Tollway Authority are partnering in a study to identify opportunities for fuel savings and other efficiencies for the Tollway's fleet. For the idling reduction part of the study, the focus will be on reducing "engine-on" idle time (surveillance mode) for state police cars without sacrificing operational capabilities. The first phase will involve measurement of the electrical loads required for communications, computers, video cameras, radar units, and light bar accessories, and engine loads for cabin heater or A/C use. In the next phase, a patrol car will be instrumented and returned to service for measurement of energy use. Data will be collected and analyzed for both urban and rural

duty and across all seasons to fully characterize the variety of energy demands. The study seeks to identify the changes that can be made to vehicles, systems, and driver behavior that will enable reduced fuel consumption.

The Tollway manages a fleet of 725 vehicles, including heavy-duty and light-duty vehicles and state police patrol cars. Because the agency spends about \$2 million on fuel per year, even a 1% reduction in fuel consumption would save about \$20,000 annually. For more information, please go to http://www.anl.gov/Media_Center/News/2011/news110503.html.

Vermont Idle-Free Fleets Program Expanded

Leveraging the success of its pilot program, the American Lung Association in Vermont is now offering its Vermont Idle-Free Fleets (VIFF) program across the state. The Association invites town energy committees, and others involved with local environmental and public health policy, to apply for the no-cost program. While the goal of VIFF is to reduce emissions from diesel vehicles, communities may expand the scope to reduce gasoline vehicle emissions as well. The program offers training and ongoing technical support, including program recruitment, community outreach, and

presentation delivery, along with materials such as fact sheets, model policies, and signage. It also offers ways to recognize those who successfully adopt idling reduction policies.

Those interested may visit <http://www.vecan.net/content.php?ID=48> (please disregard the May 6 application deadline; there is currently no deadline to apply).

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies

manufacturers of idle reduction equipment and provides links to their websites. More information is available at

http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at

<http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

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Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas**	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois**	Massachusetts*	New Hampshire†	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process. **Awaiting governor's signature. †Effective January 1, 2012.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative

(Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

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- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
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- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 16 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at

http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to

http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

April 2011

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.6 million (as of April 29, 2011)	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work-for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbomba_loan.html#evaluation
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyouengineoff.org/campaign_recognition.html
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$100,000	Rolling deadline—the last Friday of each month	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
CARB	Hybrid Off-Road Equipment Pilot Project	\$2 million	May 9, 2011	http://www.arb.ca.gov/msprog/mailouts/msc1107/msc1107solicitation.pdf
CARB	Locomotive Advanced Technology Demonstration Project	\$800,000	May 11, 2011	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
Oregon Department of Environmental Quality	Request for Proposed Project Summaries for Potential Clean Diesel Projects	N/A	May 13, 2011	http://www.deq.state.or.us/aq/diesel/notice.pdf

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Northwest Clean Air Agency (NWCAA)	Greenhouse Gas Mitigation Funding: Request for Information (RFI)	N/A	May 27, 2011	http://www.nwcleanair.org/pdf/ClimateChange/RFI_4-11-11.pdf
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$575,000 (as of March 9, 2011)	May 31, 2011	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Maryland Passes Bill To Allow Additional Weight for Idling Reduction Devices

Maryland is the latest state to make quick work of passing an act that allows trucks equipped with idling reduction technology to weigh an additional 400 pounds. House Bill 110, which covered a number of vehicle-weight issues, was introduced in January, moved swiftly through the legislative chambers,

and was signed by Governor Martin O'Malley on April 12, 2011. The law will take effect October 1, 2011. To see the text of the bill, please go to <http://mlis.state.md.us/2011rs/billfile/HB0110.htm>.

New Jersey's Sleeper Berth Idling Exemption Expires

In New Jersey, truck drivers will no longer be permitted to idle during rest periods unless their trucks have a functioning diesel particulate filter or an engine with a model year no older than 2007. After a 1-year extension, the sleeper berth exemption expired on April 30, 2011. Beginning on May 1, 2011, inspectors from the New Jersey Department of Environmental Protection (NJDEP) will visit truck stops, rest areas, and warehouse distribution centers to ensure adherence to the new rule. According to the agency, noncompliance will result in "enforcement actions and civil

administrative penalty assessments for the property owner and the vehicle operator." For a first violation, the fine will be \$250. Fines of \$500 and \$1,000 will attend second and third (and subsequent) infractions, respectively.

New Jersey law prohibits diesel-powered vehicles from idling for more than 3 consecutive minutes. To read NJDEP's enforcement notice, please go to <http://www.nj.gov/dep/enforcement/advisories/2011-06.pdf>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Intelligent Imaging Systems (Edmonton, Alberta, Canada)	New York State Energy Research and Development Authority (NYSERDA)	Installation of electronic screening tools at a New York State Department of Transportation facility to identify trucks most likely to have inspection violations; the technology complements the facility's existing e-screening capabilities, which are designed to reduce truck idling during inspections	\$250,000
Larsen Engineers (Rochester, New York)	NYSERDA	Testing of a 12-volt battery pack that would power the heating, air conditioning (A/C), computers, radio, and other accessories in police cars and municipal trucks, reducing the need for engine idling	\$17,000
Power Drives Inc. (Buffalo, New York) with New West Technologies (Utica, New York)	NYSERDA	Development and demonstration of a system to keep locomotive engine systems warm without the need to idle; the system drives a heater and coolant circulation pump and charges the locomotive's batteries	\$250,000
Nakanishi Research and Consulting (Rego Park, New York) with KLD Associates (Hauppauge, New York) and VidSys (Vienna, Virginia)	NYSERDA	Creation of a system that reduces emissions by integrating traffic signals, variable message signs, speed cameras, and other devices to improve travel efficiency and reduce idling time	\$15,000
Shorepower Technologies (Utica, New York) with Cascade Sierra Solutions (Eugene, Oregon)	NYSERDA	Installation and testing of 72 truck stop electrification (TSE) stations at three New York State truck stops	\$250,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Department of the Interior, Environment, and Related Agencies	Report to Congress on Black Carbon: External Peer Review Draft	http://yosemite.epa.gov/sab/sabproduct.nsf/0/05011472499C2FB28525774A0074DADE/\$File/BC%20RTC%20External%20Peer%20Review%20Draft-opt.pdf
Leonardo Academy	Public Comment Draft of Leonardo Academy Standard for Emissions Inventories, Offsets, and Reduction Credits Being Developed under ANSI PINS Announcement: LEO-5000	http://www.leonardoacademy.org/services/standards/emissions-standards.html
Society of Automotive Engineers International	CoolCalc: A Long-Haul Truck Thermal Load Estimation Tool	http://papers.sae.org/2011-01-0656/
Science of the Total Environment	A Multi-Site Analysis of the Association Between Black Carbon Concentrations and Vehicular Idling, Traffic, Background Pollution, and Meteorology During School Dismissals	doi:10.1016/j.scitotenv.2011.02.024

SOURCE	TITLE	WEBSITE OR CONTACT
U.S. EPA (EPA)	Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2009	http://www.epa.gov/climatechange/emissions/usinventoryreport.html
U.S. Government Accountability Office	Recovery Act: Energy Efficiency and Conservation Block Grant Recipients Face Challenges Meeting Legislative and Program Goals and Requirements	http://www.gao.gov/new.items/d11379.pdf

MANUFACTURERS' NEWS

Dometic Introduces Battery-Powered A/C Option for Volvo Trucks

Dometic (Mechanicsville, Virginia) is now supplying battery-powered, “engine-off” A/C systems to Volvo Trucks North America for factory installation on Volvo VN sleeper model trucks. The 10,000 BTU/hr A/C system, which is CARB-compliant, is designed to run for more than 10 hours at a 100-percent duty cycle on battery power. The bank of eight absorbed

glass mat (AGM) batteries can be recharged in less than 6 hours of driving. The Dometic system consists of a condensing unit mounted outside the cab and a compressor-evaporator-fan unit under the bunk. More information is available at <http://dometic.com/enus/Americas/USA/Truck-News/Dometic-Battery-powered-AC-systems-to-be-installed-on-Volvo-Trucks/>.

Hodyon Offers Lease Option for Dynasys APU

Hodyon has announced a new Dynasys APU leasing program for truck drivers. According to Hodyon Chief Executive Officer David Hancock, the lease payment is estimated to be equal to 40% to 55% of fuel costs the driver will save. The program is available through Fallbrook Technologies Inc., which recently acquired Hodyon. The Dynasys APU, which is SmartWay

verified, provides heating and A/C with 6 kW of power. It is also shore-power (110 volt) compatible. Please see <http://www.hodyon.com/apuleasing.aspx> for more information about the leasing program and <http://www.hodyon.com/auxiliarypower.aspx> for more about the Dynasys APU.

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
2011 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 9–13, 2011	http://annualmeritreview.energy.gov

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Transportation Research Board (TRB) 2011 Transportation Planning, Land Use, and Air Quality Conference	San Antonio, Texas	May 10–11, 2011	http://www.trb.org/Calendar/Blurbs/2011_Transportation_Planning_Land_Use_and_Air_Qual_164465.aspx
Clean Transportation Education Project: Idle Reduction/Fuel Economy Workshop	Flushing, New York	May 25, 2011	http://www.ncsc.ncsu.edu/cleantransportation/altfueled/schedule.php
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/
2011 TRB Joint Summer Meeting: Future Directions for the Federal Transportation Programs	Boston, Massachusetts	July 10–13, 2011	http://www.trb.org/Main/Blurbs/2011_TRB_Joint_Summer_Meeting_164066.aspx
Clean Transportation Education Project: Idle Reduction/Fuel Economy Workshop	Knoxville, Tennessee	July 13, 2011	http://www.ncsc.ncsu.edu/cleantransportation/altfueled/schedule.php
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/

ELECTRIFIED PARKING SPACES

Delaware Welcomes Second TSE Site

The Smyrna, Delaware, rest area is newly equipped with 24 electrified parking spaces for trucks. Drivers may hook up to a CabAire pedestal for heating, cooling, and Internet service. A partnership between the Delaware Department of Natural Resources and Environmental Control (DNREC) and the Delaware Department of Transportation, the project was funded by a 2009 \$547,530 EPA Recovery Act grant to DNREC.

To use the service, truck drivers pay an initial fee of \$20 for a window adapter and 8 hours of usage time. They may purchase additional time for \$2.50/hour. Idling a heavy-duty truck for an hour uses about 1 gallon of diesel fuel, which currently costs around \$4 per gallon.

In Delaware, idling a heavy-duty truck for more than 3 minutes is, in most cases, prohibited. Only if such a vehicle is not within 25 miles of a facility

with truck-stop electrification capability is idling permitted to run heating, A/C, and ancillary equipment during a rest period. At a Smyrna rest area press conference on April 19, 2011, DNREC Secretary Collin O'Mara said that if just half of the electrified parking spaces are used for 10 hours a day, 44,000 gallons of diesel fuel will be saved and 500 tons of carbon dioxide emissions eliminated annually.

This is the state's second TSE site. Last summer, a privately operated travel plaza on Delaware's I-95 was equipped with 50 CabAire TSE units. For more information about the Smyrna rest area, please see http://www.cecilwhig.com/content/tncms/live/cecilwhig.com/business/article_fc421980-6c51-11e0-bd74-001cc4c03286.html.

PowerStop™ Flush-Grade TSE Enters the TSE Market

In eastern Ontario, Canada, the 730 Truck Stop is offering truck drivers a new take on TSE. The PowerStop site, designed and managed by Canada-based Longhaul TSE, allows truck drivers to access electrical power not via conventional pedestals but via a flush-grade system (the infrastructure for which is underground). In a setup similar to that provided for recreational vehicles, truck drivers use a standard extension cord to plug in for power.

For Can\$2.00 an hour, drivers may plug in their truck's block heater, provide power to the cab and sleeper berth, and access the internet. Alternatively, for Can\$1.00 per hour, the driver may arrange to have the block heater turned on at a preset time to warm the engine before startup.

According to Ian Hough of Longhaul TSE, PowerStop can be installed at truck stops, rest areas, rail yards, seaports, warehouses, and big box stores. The connections can be provided above ground with pedestals or below ground with the patent-pending PowerStop technology. Longhaul TSE is a privately owned, Canada-based company that designs, installs, manages, and maintains electric parking infrastructures under the PowerStop brand.

Please see www.longhaultse.com and <http://www.todaystrucking.com/news.cfm?intDocID=25623> for more information Sources: Joe Tario, NYSERDA, and Ian Hough, Longhaul TSE (Photo: Courtesy of Longhaul TSE)



IdleAIR Offers “Home Away from Home” Rates

IdleAIR, which currently has 21 sites in nine states, has announced a special pricing plan for truck drivers facing long layovers. After the first 10 hours of service use, the hourly fee is reduced from \$1.99 to \$1.25. (All hours must

be consecutive.) The link <http://www.idleair.com/promos/extended-stay/> contains more information about the plan.

PORTS

Shore Power Comes To Brooklyn

The first East Coast terminal to be shore power-equipped will be the Brooklyn Cruise Terminal, thanks to a long-awaited power-rate agreement reached in April by the New York Power Authority (NYPA) and the Port Authority of New York and New Jersey (PANYNJ). According to the *New York Times*, Carnival Corporation, whose ships dock at the terminal, will pay 12 cents per kilowatt hour, while the New York City Economic Development Corporation (NYCEDC) and the NYPA will divide the remaining 16 cents. The agreement is for a term of 5 years.

Construction for the shoreside infrastructure, which will begin this summer, is scheduled to be complete by year end. The project is funded by \$12 million from PANYNJ and a \$2.9 million Recovery Act grant from EPA. Carnival Cruise Lines will retrofit ships at a cost of about \$4 million.

When cruise ships dock—which they may do for more than 10 hours at a time—they typically run engines powered by high-sulfur diesel fuel. Shore power allows the ships to shut off their engines and plug in to the grid. According to a statement issued by New York Mayor Michael Bloomberg's office, the Brooklyn shore power installation will nearly eliminate 1,500 tons of carbon dioxide, 95 tons of nitrogen oxides, and 6.5 tons of particulate matter, annually.

The Brooklyn Cruise Terminal is owned by PANYNJ and managed by NYCEDC. More information is available at

<http://cityroom.blogs.nytimes.com/2011/04/13/cruise-ships-in-brooklyn-to-plug-in-on-shore/> and <http://www.mikebloomberg.com/index.cfm?objectid=507C6B61-C29C-7CA2-F8E3F8F34909BCA0>. (Photo: Cruise ship at the Brooklyn Cruise Terminal spews exhaust. Photo by Joshua Kristal, courtesy of *South Brooklyn Post*, <http://southbrooklynpost.com/news-views/cruise-ship-air-pollutio/>.)



OTHER NEWS OF INTEREST

DOE Launches National Clean Fleets Partnership Program

As part of its Vehicle Technology Program's Clean Cities initiative, the Department of Energy (DOE) has established a partnership between the Federal Government and leading companies to reduce petroleum use. AT&T, FedEx, PepsiCo, UPS, and Verizon, the five charter members, represent five of the nation's 10 largest national fleets. Collectively, these companies own and operate more than 275,000 vehicles. With their adherence to National Clean Fleets strategies, the companies will together

deploy more than 20,000 advanced technology vehicles—and displace more than 7 million gallons of petroleum annually. They will also be able to collaborate with DOE and its national laboratories on research and development projects. The White House's fact sheet on the program is available at <http://www.whitehouse.gov/the-press-office/2011/04/01/fact-sheet-national-clean-fleets-partnership>.

New Calculators and Worksheets on Idling Reduction Available

Argonne National Laboratory's Transportation Technology R&D Center website now offers some new and updated resources on idling reduction. New tools include idling reduction worksheets for light-duty vehicles in addition to heavy-duty vehicles, in both Excel and PDF formats. In cooperation with DOE's Clean Cities initiative, Argonne has produced communication products that can be used to help educate motorists about the benefits of idling reduction. Both a fact sheet, "Idling Is Not the Way To Go," and a bookmark-sized information card, "You Hold the Key To Being

Idle Free," are available. The latter is also available as a customizable electronic file that enables users to add their own state and local idling regulations. To see these products and other information on idling reduction, please go to

http://www.transportation.anl.gov/engines/idling_tools.html.

The idling reduction Web pages of DOE's Alternative Fuels and Advanced Vehicles Data Center website have also updated; please click on http://www.afdc.energy.gov/afdc/vehicles/idle_reduction.html for more.

Clean Cities TV Features Idling Reduction

The DOE's Clean Cities initiative now has an Internet TV channel that features prerecorded and live content about Clean Cities and its mission to reduce petroleum consumption through the use of alternative and renewable fuels, emerging technologies, and, of course, idling reduction and other fuel economy measures. The channel can be accessed by visiting

www.CleanCities.TV. To see the 10 segments related specifically to idling reduction, please go to <http://www.cleancities.tv/FeaturedContent/AlternativeFuelsVehiclesandTechnologies/IdleReduction.aspx>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts*	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

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- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do?sessionId=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 16 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at

http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

March 2011

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$5.6 million (as of March 31, 2011)	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.energymaine.com/at-work-for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation
Owner-Operator Independent Drivers Association (OOIDA)	Financial assistance for the installation of ~240 APUs in U.S. Environmental Protection Agency's (EPA) Regions 6 and 7	\$1 million	Rolling deadline until funds are awarded.	(800) 444-5791
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.diesetrofitrebate.org
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$100,000	Rolling deadline—the last Friday of each month	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
NCTCOG	Heavy-Duty Vehicle and Equipment Grant Program	Indeterminate	April 8, 2011	http://www.nctcog.org/aqfunding
Pennsylvania Department of Environmental Protection	Pennsylvania State Clean Diesel Grant Program	\$588,235	April 14, 2011	http://pabulletin.com/secure/data/vol41/41-7/260.html
NCTCOG	Freight Efficiency Center	\$450,000	April 22, 2011	http://www.nctcog.org/trans/air/programs/smartway/index.asp
CARB	Advanced Technology Demonstration Projects: Technologies To Reduce Main Engine Usage Or Other Emission Reducing Technology While Maintaining Operational Requirements On Marine Vessels	\$700,00	April 22, 2011	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
CARB	Goods Movement Emission Reduction Program: Truck Projects in the following Air Quality Management Districts:	\$100+ million	April 29, 2011	http://www.arb.ca.gov/bonds/gmbond/gmbond.htm
	• Bay Area Air Quality Management District			http://www.baaqmd.gov/?sc_itemid=42BEECC2-F011-42B3-A336-399CF8DB4DDD
	• Imperial County Air Pollution Control District			http://www.co.imperial.ca.us/AirPollution/default.htm
	• Sacramento Metropolitan Air Quality Management District			http://www.airquality.org/mobile/goodsmovement/index.shtml
	• San Diego Air Pollution Control District			http://www.sdapcd.org/homepage/grants/grants.html
	• San Joaquin Valley Air Pollution Control District			http://www.valleyair.org/grant_programs/grantprograms.htm#Proposition1B
	• South Coast Air Quality Management District			http://www.aqmd.gov/aqmd/funding.html#Prop1B

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
EPA	Environmental Education Regional Grants Program	\$1.9 million	May 2, 2011	http://www.epa.gov/education/grants.html
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$575,000 (as of March 9, 2011)	May 31, 2011	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

400-Pound Exemption Bills Advance in New Hampshire and Maryland

Two eastern states have made swift progress on 400-pound exemption bills, both of which were introduced in January. New Hampshire lawmakers have passed House Bill (HB) 117, which authorizes an additional 400 pounds in gross, axle, tandem, or bridge formula weight limits for trucks equipped with idling reduction equipment. The bill, which awaits the Governor's signature, would take effect January 1, 2012. In Maryland, HB 110, which

was introduced in January, has moved from the House to the Senate, where response has been favorable. If passed in its current form, the law would be effective October 1, 2011. The text of the New Hampshire bill is available at <http://www.gencourt.state.nh.us/legislation/2011/HB0117.html>, and the text of the Maryland bill may be found at <http://mlis.state.md.us/2011rs/bills/hb/hb0110t.pdf>.

The 400-Pound Exemption Bill Comes To Illinois

In Illinois, lawmakers are considering Senate Bill (SB) 1644, which would amend the Illinois Vehicle Code on a number of truck-weight matters. Introduced in February, SB 1644 proposes allowing an additional 400 pounds for heavy-duty trucks equipped with idling reduction technology. The bill is currently in the Senate Transportation Committee. Please go to

<http://www.ilga.gov/legislation/fulltext.asp?DocName=&SessionId=84&GA=97&DocTypeId=SB&DocNum=1644&GAID=11&LegID=57604&SpecSess=&Session=> to see the text of the bill as introduced. For more on this and other Illinois trucking-related legislation, please see http://www.landlinemag.com/todays_news/Daily/2011/Mar11/031111/030811-01.shtml.

TCEQ Considers Revision to Idling Rule

Early in March, the Texas Commission on Environmental Quality (TCEQ) conducted a public hearing on a potential revision to the Commission's heavy-duty vehicle idling rule. The idling rule, adhered to by numerous cities and counties in central and north-central Texas, originally had an exemption for mandated rest periods, but the exemption expired in September 2009. The revised rule would allow heavy-duty vehicles to idle during mandated rest periods to power heating or air-conditioning of the vehicle's sleeper berth. The exemption would not apply to drivers who are within 2 miles of a facility offering external heating or air-conditioning. The revision to the idling rule would also allow enforcement of the 5 consecutive minutes idling

rule year-round and not only between April and October. TCEQ has accepted comments on the proposed revision, and the anticipated rule adoption date is June 22, 2011. For more information, please see http://www.tceq.texas.gov/assets/public/legal/rules/rule_lib/proposals/09054114_pex.pdf.

Meanwhile, in the Texas legislature, the Senate has passed SB493; the bill has moved to the House. SB493 would not only allow trucks equipped with idling reduction technology to weigh an additional 400 pounds, but also eliminate idling restrictions for some newer, cleaner heavy-duty vehicles.

Jason's Law on the Move in New York

Lawmakers in New York State are seeking to pass a law to remedy the shortage of safe parking for truck drivers. Known as Jason's Law, Assembly Bill (A) 3471, introduced in January, proposes a number of measures. A revolving loan program would provide interest-free loans and a tax credit to the owners-operators of private rest areas, truck stops, travel plazas, and other facilities who make safety and security upgrades to their facilities. Additionally, shipping/receiving facilities that agree to provide motor carriers with a safe area to rest while waiting for an appointment, or to comply with mandated rest regulations, would be eligible for a 20% tax

credit. Attempts to move Jason's Law through the New York legislature last year failed.

The proposed law is named for Jason Rivenburg, a truck driver who, resting in his truck at an abandoned gas station because he was early for a delivery, was murdered in March 2009. A3471 has been referred to the Transportation Committee, as has companion bill S2359. The text of A3471 may be found at http://www.assembly.state.ny.us/leg/?default_fld=&bn=A03471%0909&Summary=Y&Actions=Y&Votes=Y&Memo=Y&Text=Y#jump_to_Text.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Mr. David Britt, Owner-Operator (Texas)	NCTCOG	Purchase and installation of one APU	\$5,000
K and B Transportation, LLC (Texas)	NCTCOG	Purchase and installation of one APU	\$5,000
CAB Express, Inc. (Texas)	NCTCOG	Purchase and installation of one APU	\$5,000

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Mr. Michael P. Graham, Owner-Operator (Texas)	NCTCOG	Purchase and installation of one APU	\$5,000
Brown Brothers Transport, LLC (Texas)	NCTCOG	Purchase and installation of one APU	\$4,529

Energy Xtreme Garners Green Award for New Utility Series APU

At its 47th annual convention in March, the National Truck Equipment Association (NTEA) recognized Energy Xtreme with the Work Truck Show Green Award for the company's U36 Crossover. The new utility series APU is designed to run a vehicle's ancillary electrical equipment, tools, motors, pumps, hydraulic booms, or bucket truck equipment without the need to engage the engine or use a generator. It can operate a vehicle's full electrical load at varying voltages, from 12V, 36V, and 115VAC. According to

the manufacturer, the APU, which is composed of power cells, an electric motor, a pump, and a control module, operates at temperatures between -30°F and 130°F. It weighs less than 750 pounds and can be integrated into new vehicles at manufacture or installed in older vehicles. The U36 Crossover is part of Energy Xtreme's Independence Package Utility Series product line. For more information, please click on <http://www.independencepackage.com/>.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
ASHRAE Transactions	Waste Heat Powered Adsorption System To Provide Air Conditioning for Heavy-Duty Vehicles	http://www.thefreelibrary.com/Waste+heat+powered+adsorption+system+to+provide+air+conditioning+for...-a0250825182
California Energy Commission	2011–2012 Investment Plan for the Alternative and Renewable Fuel and Vehicle Technology Program: Draft Report	http://www.energy.ca.gov/2011publications/CEC-600-2011-006/CEC-600-2011-006-SD.PDF
IBM Institute for Business Value	Truck 2020: Transcending Turbulence	http://www-935.ibm.com/services/us/gbs/bus/html/future-of-truck-industry-2020.html
Office of Inspector General, U.S. EPA	EPA Should Improve Guidance and Oversight to Ensure Effective Recovery Act–Funded Diesel Emissions Reduction Act Activities: Evaluation Report	http://www.epa.gov/oig/reports/2011/20110301-11-R-0141.pdf
Pike Research	Auxiliary Power and Fuel Cells	http://www.pikeresearch.com/blog/articles/auxiliary-power-and-fuel-cells
U.S. Government Accountability Office (GAO)	Surface Freight Transportation: A Comparison of the Costs of Road, Rail, and Waterways Freight Shipments That Are Not Passed on to Consumers (Report to the Subcommittee on Select Revenue Measures, Committee on Ways and Means, House of Representatives)	http://www.gao.gov/new.items/d11134.pdf

SOURCE	TITLE	WEBSITE OR CONTACT
North Carolina State Energy Office of the Department of Commerce	North Carolina FY 2009–2010 Petroleum Displacement Program Report	http://www.ncsc.ncsu.edu/cleantransportation/docs/CFAT/FY2009-10_PDP-10-26-10.pdf

MANUFACTURERS' NEWS

EPA's Emerging Technologies List Adds Delphi's SOFC APU

The U.S. EPA has added Delphi's solid oxide fuel cell (SOFC) APU to the National Clean Diesel Campaign's Emerging Technologies List. The APU powers in-cab electrical accessories, such as lights, refrigerators, microwaves, and audio systems, for Class 8 tractors equipped with sleeper cabs and powered by heavy-duty diesel engines certified to 2007–2009 model-year emission standards. Delphi is based in West Henrietta, New York.

The SOFC does not require combustion—diesel fuel is converted directly to electricity, eliminating nearly all pollutants and noise. According to Delphi, the SOFC APU has the potential to reduce APU fuel consumption by up to 85%. For more information about the technology, please go to <http://ppd.delphi.com/pdf/ppd/cv/energy/solid-oxide-fuel-cell-auxiliary-power-unit.pdf>. The EPA's Emerging Technologies list may be found at <http://epa.gov/cleandiesel/verification/emerg-list.htm>.

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Public Meeting To Consider Revisions To the Carl Moyer Memorial Air Quality Standards Attainment Program Guidelines	Sacramento, California	April 28, 2011	http://www.arb.ca.gov/regact/nonreg/moyer11.pdf
2011 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 9–13, 2011	http://annualmeritreview.energy.gov
Transportation Research Board (TRB) 2011 Transportation Planning, Land Use, and Air Quality Conference	San Antonio, Texas	May 10–11, 2011	http://www.trb.org/Calendar/Blurbs/2011_Transportation_Planning_Land_Use_and_Air_Qual_164465.aspx
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/
2011 TRB Joint Summer Meeting: Future Directions for the Federal Transportation Programs	Boston, Massachusetts	July 10–13, 2011	http://www.trb.org/Main/Blurbs/2011_TRB_Joint_Summer_Meeting_164066.aspx

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Clean Transportation Education Project Idle Reduction/Fuel Economy Workshop	Knoxville, Tennessee	July 13, 2011	http://www.ncsc.ncsu.edu/cleantransportation/altfuel/schedule.php
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/

PARKING SPACES FOR TRUCKS

Half of New Hampshire's Rest Areas May Close

New Hampshire is the latest state to consider relieving budget deficits with rest area closures. Governor John Lynch has proposed the closure of eight of the state's 16 rest areas, which would reduce the number of truck parking spaces from 119 to 83. The Governor would also like to examine possibilities for public-private partnerships for rest areas. According to *Land Line*, affected rest areas include those at Antrim on State (Route 9), Colebrook

(U.S. Route 3), Epsom (U.S. Route 4), Lebanon (I-89), Littleton (I-93), Rumney (State Route 25), Sanbornton (I-93), and Shelburne (U.S. Route 2). Decisions about possible closures are expected by early July. For more information, please click on http://www.landlinemag.com/todays_news/Daily/2011/Mar11/031111/030911-07.shtml.

Virginia: Novel Solutions for Maintaining, Enhancing Rest Areas

A number of states are struggling to achieve adequate funding for rest area maintenance. In Virginia, lawmakers have implemented some uncommon solutions. In addition to advancing a pilot program to use undeveloped Department of Transportation (VDOT) property for truck parking, the Commonwealth will permit prisoners to perform maintenance work at Virginia Interstate Highway System rest areas beginning on July 1, 2011. Through an act that amends and reenacts §53.1-56 of the Code of Virginia, supervised prisoners will perform landscaping tasks and roof repair. According to the *Washington Post*, the Commonwealth will pay the Department of Corrections \$1.50 for each inmate hour worked. The act, however, is not without detractors, some of whom worry about the

perceived potential for incidents. More information is available at http://www.washingtonpost.com/local/politics/virginia-to-allow-prisoners-to-maintain-rest-stops/2011/02/22/ABLeKTs_story.html.

Another measure to support Virginia rest areas is the new Sponsorship, Advertising, and Vending Enhancement (SAVE) program. Designed to generate additional revenues, the VDOT program is accepting proposals from private firms to provide paid sponsorships and advertising, and manage vending, at rest areas and welcome centers. For more information, please see <http://www.transportation.virginia.gov/News/viewRelease.cfm?id=653>.

Idaho Reopens Small Rest Area

Parking spaces for trucks are often at a premium, and even reopening a small rest area can allow for a few more trucks to park safely during their

required rest periods. In Idaho, a rest area that had been shuttered for repairs reopened in January. The site, which has space for only five trucks, is

located on U.S. 30 at mile marker 184. The site has been refurbished to comply with the Americans with Disabilities Act and to repair aging infrastructure. The facility is expected to be serviceable for several years. More information is available at

http://www.landlinemag.com/todays_news/Daily/2011/Jan11/11011/11111-04.shtml. For information about all Idaho rest areas, please go to <http://itd.idaho.gov/highways/ops/maintenance/RestArea/RestAreaMap/default.htm>.

OTHER NEWS OF INTEREST

Idling Reduction in Vermont

Early in 2010, the American Lung Association in Vermont launched a program to raise awareness about the effects—health, environmental, and economic—of unnecessary idling of diesel vehicles. Funded by a grant from the Vermont Department of Environmental Conservation (DEC), the Vermont Idle-Free Fleets program provided fleet operators with a toolkit that explained facts about truck idling, the health effects of diesel exhaust, and the cost savings achievable through an idling reduction policy. It also offered samples of such policies. As of the end of 2010, nine fleets—totaling about 122 diesel vehicles—had adopted idling reduction policies.

Recently, the DEC funded Vermont Idle-Free Fleets for an additional year, beginning in March 2011. The program will include training and working

with 10 town energy committees, which will, in turn, promote idling reduction to their municipal and business fleets.

Vermont, which is currently the only New England state that does not govern how long heavy-duty vehicles may idle, is now considering legislation to restrict the idling of these vehicles. House Bill 154 is currently in the Committee on Natural Resources and Energy. A companion bill, Senate Bill 81, is in the Transportation Committee. For more information about the Vermont Idle-Free Fleets program, please see

<http://idlefreevt.org/viff.index.html>. Source: Wayne Michaud, Idle-Free VT

North Carolina Towns Undertake Idling Reduction Pilots

Two towns in North Carolina are implementing idling reduction projects made possible by grants from the Alternative Fuel/Advanced Vehicle Technology program managed by the North Carolina Solar Center's Clean Transportation Project. The State Energy Division of the North Carolina Department of Commerce awarded the North Carolina Solar Center a \$500,000 grant for a variety of clean transportation projects last fall.

In Chapel Hill, the IdleRight system will be installed in nine Ford Crown Victoria patrol cars. IdleRight allows drivers to use the vehicle's main battery

to power auxiliary functions while it monitors the battery's condition. The engine is turned on and idled only when necessary.

In the town of Cary, three police cars and two utility vehicles will be outfitted with the Energy Xtreme system. This system allows drivers to shut down the engine and run auxiliary equipment from a separate battery. In addition to curtailing fuel use, the technology reduces engine wear that occurs with idling. Both towns will be reporting cost savings to the North Carolina Solar Center. More information is available at

<http://www.campaignforcleanair.org/news-reader/items/cary-and-chapel-hill->

[first-to-try-idle-reduction-technologies.html](http://www.first-to-try-idle-reduction-technologies.html). For more about the technologies, please go to <http://www.havis.com/idleright.htm> (IdleRight)

and <http://www.independencepackage.com/> (Energy Xtreme).

CARB Launches Truck and Bus Calculator

CARB now offers a tool for fleet owners that enables them to evaluate whether various compliance strategies adhere to the On-Road Heavy-Duty Diesel Vehicles Regulation. The calculator, available at <http://www.arb.ca.gov/msprog/onrdiesel/documents/FleetCalc2011A.xls>, allows the input of engine model year and emission control technology

assumptions to determine what compliance options are available for each calendar year. Users may view compliance strategies on the basis of engine model year, or they may evaluate more flexible compliance strategies, including the phase-in option, compliance credits, and special provisions. The calculator reflects amendments considered by CARB in December 2010.

Cascade Sierra Solutions Chooses NTP as Warranty Provider

Cascade Sierra Solutions, a nonprofit organization that helps truck owners reduce engine emissions and improve fuel economy, has announced a new warranty program partnership with National Truck Protection (NTP). After a vehicle has been upgraded or retrofitted and inspected, it will be qualified

to receive an NTP warranty. For more information about Cascade Sierra Solutions' warranty program, contact Jeff Johns at jjohns@cascadesierrasolutions.org (541-852-4330).

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts*	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at

http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmidatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative

(Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 16 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at

http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to

http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

February 2011

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of January 2011)	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation
Owner-Operator Independent Drivers Association (OOIDA)	Financial assistance for the installation of ~240 APUs in U.S. Environmental Protection Agency's (EPA) Regions 6 and 7	\$1 million	Rolling deadline until funds are awarded.	(800) 444-5791
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.diesetrofitrebate.org
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—2010 Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

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North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$100,000	Rolling deadline—the last Friday of each month	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
NCTCOG	Heavy-Duty Vehicle and Equipment Grant Program	Indeterminate	Rolling deadline (March 11, April 8, and May 13, 2011, or until all funds have been awarded)	http://www.nctcog.org/aqfunding
Bay Area Air Quality Management District (California)	Goods Movement Emission Reduction Program: Ships-at-Berth Projects and Cargo Handling Equipment Projects	\$20 million	March 15, 2011	http://www.baaqmd.gov/?sc_itemid=42BEECC2-F011-42B3-A336-399CF8DB4DDD
NCTCOG	North Central Texas Clean School Bus Program—2011 Call For Projects	\$450,000	March 18, 2011	http://www.nctcog.org/trans/air/programs/schoolbus/index.asp
North Dakota Department of Health, Division of Air Quality	State Clean Diesel Grant Program	~\$580,000	March 31, 2011	http://www.ndhealth.gov/AQ/Notices.htm
Pennsylvania Department of Environmental Protection	Pennsylvania State Clean Diesel Grant Program	\$588,235	April 14, 2011	http://pabulletin.com/secure/data/vol41/41-7/260.html
Bay Area Air Quality Management District (California)	Goods Movement Emission Reduction Program: Truck Projects	\$8 million	April 30, 2011	http://www.baaqmd.gov/?sc_itemid=42BEECC2-F011-42B3-A336-399CF8DB4DDD
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$600,000 (as of September 30, 2010)	May 31, 2011	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_home.aspx

REGULATORY NEWS

Four States Introduce 400-Pound Exemption Bills

The year 2011 opened with a surge of 400-pound exemption-bill activity. In Maryland, lawmakers introduced House Bill (HB) 110, a vehicle weight-limit bill that would permit trucks equipped with idling reduction equipment to weigh an additional 400 pounds in gross, axle, tandem, or bridge formula weight limits. Introduced in January, this bill would take effect October 1, 2011, if passed into law. The text of the bill as introduced is available at <http://mlis.state.md.us/2011rs/billfile/HB0110.htm>.

As mentioned in last month's newsletter, New Hampshire introduced HB117, which would allow an additional 400 pounds for vehicles equipped with idling reduction technology. Approved by the House, the bill now moves to the Senate. To follow the bill's status, please go to <http://www.gencourt.state.nh.us/legislation/2011/HB0117.html>.

The Massachusetts House is considering HB951, "An Act To Exempt the Weight of Idle Reduction Systems for Commercial Vehicles from Maximum

Weight Restrictions," a new bill with the same name as last session's failed HB3334. HB951 was referred to the Joint Committee on Transportation on February 15, 2011. For more information, please see <http://170.63.65.52/Bills/187/House/H00951>.

In Texas, the Senate is considering Senate Bill (SB) 493, which would permit an additional 400 pounds for idling reduction technology. The bill would also eliminate limitations on idling for heavy-duty vehicles equipped with a 2008 or newer diesel engine that has been certified by the EPA, or other state environmental agency, to emit no more than 30 grams/hour of nitrogen oxide emissions when idling. The bill has been referred to the Natural Resources Committee. The text of the bill can be found at <http://www.capitol.state.tx.us/BillLookup/Text.aspx?LegSess=82R&Bill=SB493>. For more information, please see http://www.landlinemag.com/todays_news/Daily/2011/Feb11/021411/021811-03.shtml.

Vermont and Oregon Introduce Bills to Restrict Idling

Vermont is currently the only state in the Northeast that does not have a law restricting the idling of heavy-duty trucks. If, however, recently introduced House Bill (H) 154 becomes law, the idling of such vehicles would be limited to 5 minutes per hour. Exemptions include idling to ensure driver or passenger safety.

H154 may be unique in that both the vehicle operator and the vehicle owner would be held responsible. A first violation would be met with a warning ticket for both the operator and owner. For repeat offenses within a 2-year period, the vehicle operator would be subject to a fine of up to \$150 and the owner a fine of up to \$500. If the operator is the owner, that

person would be subject to a single fine of up to \$500. On February 24, 2011, the Senate introduced a S82, a companion bill of the same name.

H154 is in committee. The text of the bill as introduced may be found at <http://www.leg.state.vt.us/docs/2012/bills/Intro/H-154.pdf>. The link http://www.landlinemag.com/todays_news/Daily/2011/Feb11/020711/020811-01.shtml contains more information.

Oregon is another state seeking to limit the idling of heavy-duty vehicles to 5 minutes within a 60-minute period. On January 10, 2011, the Oregon House heard HB2081, a measure on controlling trucking-related greenhouse

gas emissions. The bill includes a number of exceptions to the idling restriction, including a temporary (less than 3 years) allowance of idling for driver or passenger comfort. The bill also states that the state's Environmental Quality Commission may require truck stops or truck parking areas to provide substitute power, or the use of APUs, for trucks.

The bill is currently in the Transportation and Economic Development Committee. For bill status and text, please see <http://www.leg.state.or.us/11reg/measures/hb2000.dir/hb2081.intro.html>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Port of Oakland	Bay Area Air Quality Management District (California)	Installation of shoreside power technology at three berths	\$5 million
KLD Associates, Inc., Hauppauge, New York	New York State Energy Research and Development Authority (NYSERDA)	Work on software and sensor devices to create more efficient traffic flow via traffic-light control to reduce vehicle idling and commuting times	\$376,000
New York Water Taxi, Brooklyn, New York	NYSERDA	Work on the analysis and design of a vessel-docking system that would eliminate the need for ferry operators to run engines at high speed while loading and unloading passengers	\$150,000
Sensis Corporation, E. Syracuse, New York	NYSERDA	Work on software that enables more efficient sequencing of aircraft movements at airports to reduce the time airplanes idle on the tarmac	\$208,000
Oconomowoc Transport	Leonardo Academy (Madison, Wisconsin)	Purchase and installation of 15 direct-fired heaters for school buses	~\$78,000
Riteway Bus	Leonardo Academy (Madison, Wisconsin)	Purchase and installation of 11 direct-fired heaters for school buses	~\$57,000

MANUFACTURERS' NEWS

Bergstrom and Webasto Offer All-Season System

Bergstrom and Webasto are partnering to offer an all-season climate-control system for trucks. Early this spring, the Webasto Air Top 2000 ST will be available with Bergstrom's NITE system through Bergstrom's commercial-vehicle aftermarket distributors and truck dealers in the United States and Canada.

The Bergstrom's NITE system, which provides cooling, is powered by its own batteries. The Webasto Air Top 2000 ST air heater can run for 20 hours on 1 gallon of diesel fuel, according to the manufacturer. Both systems are CARB approved. The combined package offers integrated controls. For more information, please go to <http://www.nitesystem.com/html/article.cfm?nid=47>.

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB One-Stop Truck Event	San Mateo, California—March 19, 2011 Fresno, California—March 26, 2011		http://www.arb.ca.gov/newsrel/newsrelease.php?id=191
Green Truck Summit	Indianapolis, Indiana	March 7–8, 2011	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
2011 National Air Quality Conferences	San Diego, California	March 7–10, 2011	http://airnow.gov/index.cfm?action=airnow.news_item&newsitemid=52
2011 Mid-America Trucking Show	Louisville, Kentucky	March 31–April 2, 2011	http://www.truckingshow.com or http://www.truckingshow.com/general-info
2011 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 9–13, 2011	http://annualmeritreview.energy.gov
Transportation Research Board (TRB) 2011 Transportation Planning, Land Use, and Air Quality Conference	San Antonio, Texas	May 10–11, 2011	http://www.trb.org/Calendar/Blurbs/2011_Transportation_Planning_Land_Use_and_Air_Qual_164465.aspx
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/

PARKING SPACES FOR TRUCKS

Missouri DOT Seeks To Increase Truck Parking

The Missouri Department of Transportation (MoDOT) is seeking to convert a number of old rest areas to truck parking sites. According to MoDOT, the conversion would help reduce the number of trucks that park on ramps during mandated rest periods. Additionally, the site conversions would decrease the renovation and upkeep costs associated with conventional rest areas. The operating costs of maintaining a truck rest area are about half that of maintaining a conventional rest area. According to *Land Line*, MoDOT's plan is to demolish the current facilities at each of the two sites

located near the town of Fruitland on I-55 and add 15–20 additional truck spots to each. If all goes as planned, each site would have space for 30 trucks. MoDOT also plans to convert the northbound rest area at Marston to a truck parking facility. Please see http://www.landlinemag.com/todays_news/Daily/2011/Feb11/020711/021111-07.shtml and http://www.modot.org/southeast/news_and_information/public_meetings/documents/restareaconversion.pdf for more information.

PORTS

Port of Los Angeles: AMP Capability Now in Place for Multiple Cruise Ships

The Port of Los Angeles now has new Alternative Maritime Power (AMP) capability. Developed specifically for the Port's World Cruise Center, the system includes flexible power cables that have 100-foot lateral movement capability and a remote-control feature to enable adjustment of the cable crane arm in response to changing tides and the location of the ships' power connections. In recent weeks, ships from Disney Cruise Line, Princess Cruises, and Norwegian Cruise Line have all plugged in to the "AMP Mobile" technology.

The Port's three AMP Mobiles can accommodate cruise ships that use either 6.6-kilovolt (kV) or 11-kV electrical systems. According to the Port, the power demand of visiting cruise ships is between 8 and 13 megawatts (MW). A 7-MW load represents the power required to produce electricity for about 1,000 homes. For more information, please go to http://www.portoflosangeles.org/newsroom/2011_releases/news_022411_amp_mobile.asp.

RAILROADS

Diesel-Electric Locomotives Arrive at the MBTA

For the first time in more than 20 years, the Massachusetts Bay Transportation Authority's (MBTA) commuter line has new locomotives. The two diesel-electric locomotives, purchased for \$7 million from the Utah Transit Authority, prevent unnecessary idling and are the first of what are planned to be several new locomotives to replace the MBTA's aging fleet. For each of the new engines, the MBTA expects to save \$78,000 in fuel per year. The new locomotives are also expected to reduce emitted nitrogen oxide levels by 38.5 tons per engine annually.

In August 2010, MBTA and the Massachusetts Bay Commuter Railroad Company (MBCR) agreed to settle an enforcement action for excessive locomotive idling brought against them by the U.S. Department of Justice and the U.S. EPA. As part of the agreement, MBTA and MBCR agreed to pay a \$225,000 fine and make technology upgrades to reduce idling. For more information about the new diesel-electric locomotives, please see http://www.mbta.com/about_the_mbta/news_events/?id=21092&month=&year=ar. Source: Judith Weader, MBTA rider (Photo courtesy of MBTA)



Chicago Tribune: Metra Air Quality Test Results Worrisome

The *Chicago Tribune* reports that the results of Chicago Metra's air quality testing, performed in response to a *Tribune* investigation that showed high levels of black soot on train platforms and in commuter train cars, are higher than the agency originally suggested. The newspaper obtained Metra's test results through the Freedom of Information Act. According to the *Tribune*, the results disclosed at Metra's January board meeting appear to report average concentrations of recorded pollutant levels. This method of reporting may mask pollution spikes, such as a black carbon level of 357 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) of air measured in one Union Pacific North passenger car. Metra's air quality testing was performed in response to a *Tribune* investigation, in which a high value of $72 \mu\text{g}/\text{m}^3$ was measured in one commuter car. Typical values on U.S. city streets are $1\text{--}2 \mu\text{g}/\text{m}^3$.

Complicating the picture is the threat to funding for technology that would reduce emissions from Metra locomotives. If funding is rescinded under the new federal budget, Metra would stand to lose \$341,694 awarded last fall for the purchase of automatic shut-down/start-up devices for its locomotives (funding for which was granted through the U.S. DOT's Transportation Investment in Greenhouse Gas and Energy Reduction Program [TIGGER II]). For more information, please go to <http://www.chicagotribune.com/news/local/ct-met-metra-air-testing-20110213,0,164443.story> and http://articles.chicagotribune.com/2011-02-18/health/ct-metra-diesel-emissions-20110218_1_diesel-pollution-metra-trains-metra-officials.

OTHER NEWS OF INTEREST

DERA in the Crosshairs

Funding for the Diesel Emission Reduction Act of 2010 (DERA), an act with ample bipartisan support that was signed by President Obama on January 4, 2011, was "zeroed out" in the President's budget request for FY 2012. The reauthorization allowed for the expenditure of \$100 million annually for emissions reduction projects for fiscal years 2012–2016.

Under the President's proposal, DERA is just one of the program cuts slated for the U.S. EPA, which faces a 13% budget decrease. The President's proposed budget reflects sharply reduced funding overall for fossil-energy-related programs and research on hydrogen fuel-cell vehicles.

According to the *New York Times*, the DERA cut led to "rare outbursts of opposition" from the President's own party: "I am disappointed that just two months after reauthorizing this successful program, the administration

eliminated funding for it," said Senator Tom Carper (D-Del.). The Executive Director of the Diesel Technology Forum, Allen Schaeffer, said, "It's hard to imagine any program that has delivered more return on investment for the American People. According to EPA, DERA returns a minimum of \$13 for every dollar invested and by some estimates, as high as \$20 for every \$1 invested through environmental and public health benefits."

The budget proposed by the U.S. House of Representatives reduces, but does not eliminate, DERA funding. (An amendment to the House's proposed budget that would have nixed DERA funding failed to pass.) The Senate has not yet taken up the budget for FY 2011. For more information, please see <http://www.nytimes.com/cwire/2011/02/15/15climatewire-obama-budget-counters-republican-measure-lon-77720.html> and <http://www.dieselforum.org/>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts*	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities initiative provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast

Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)

- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
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Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation
Owner-Operator Independent Drivers Association (OOIDA)	Financial assistance for the installation of ~240 APUs in U.S. Environmental Protection Agency's (EPA) Regions 6 and 7	\$1 million	Rolling deadline until funds are awarded.	(800) 444-5791
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.diesetrofitrebate.org
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—2010 Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$100,000	Rolling deadline—the last Friday of each month	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
EPA	SmartWay Finance Program	~\$6 million	February 10, 2011	http://www.epa.gov/oar/grants_funding.html
Baltimore Regional Transportation Board	FY 2011 Congestion Mitigation and Air Quality Improvement Program	\$800,000	February 22, 2011	http://www.baltometro.org/transportation-planning/request-for-project-applications-fy2011-cmaq-funding
EPA Region 2	Environmental Quality Awards	N/A	February 22, 2011	http://www.epa.gov/region2/eqa
U.S. Department of Energy's (DOE) National Energy Technology Laboratory (NETL)	FY 2011 Vehicle Technologies Program Wide Funding Opportunity	\$184 million	February 28, 2011	http://www.grants.gov/search/search.do;jsessionid=dBn9NKvTwthsHkQ5zQSnnBL6fGpn0Gq6nR6dJ4yYglHmQSlxJqp1!-1004752400?oppld=59754&mode=VIEW
DOE	Research and Development of Fuel Cells for Stationary and Transportation Applications	~ \$65 million	March 3, 2011	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000360
NCTCOG	North Central Texas Clean School Bus Program—2011 Call For Projects	\$450,000	March 18, 2011	http://www.nctcog.org/trans/air/programs/schoolbus/index.asp
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$600,000 (as of September 30, 2010)	May 31, 2011	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php

REGULATORY NEWS

New Hampshire Introduces 400-lb Exemption Bill

New Hampshire lawmakers began the year by introducing House Bill 117, which would authorize an additional 400 pounds in gross, axle, tandem, or bridge formula weight limits for trucks equipped with idling reduction equipment. The bill is currently in committee. If passed, the law would become effective January 1, 2012. Please see

http://www.landlinemag.com/todays_news/Daily/2011/Jan11/11011/11311-04.shtml for more information. The link <http://www.gencourt.state.nh.us/legislation/2011/HB0117.html> contains the text of the bill as introduced.

Chicago Aldermen Propose Hearings on Lack of Idling Law Enforcement

In December, two Chicago aldermen introduced a resolution urging the City Council to hold hearings about the lack of enforcement of the city's and state's anti-idling laws. Both the state law, passed in 2006, and the city ordinance, passed in 2009, restrict the idling of diesel-powered vehicles, with some exceptions. Violations of the stricter city ordinance come with a fine of \$250. Enforcement of the law is the responsibility of Chicago's Department of the Environment, Department of Revenue, Office of Emergency Management and Communications, and Police Department.

In November 2010, the *Chicago Tribune* reported that only about three dozen citations had been written in the 4 years since the state law was enacted. Under the City Council resolution introduced, hearings about the

apparent lack of enforcement would be held before the Committee on License and Consumer Protection.

For more information, please see <http://www.chicagotribune.com/health/ct-met-diesel-idling-hearings-20101208,0,7704559.story>. The specific idling laws for Illinois and Chicago can be found at <http://www.ilga.gov/legislation/publicacts/fulltext.asp?Name=094-0845>, and http://www.cityofchicago.org/content/dam/city/depts/doe/general/ESB_PDFs/StandingLimitOrdinanceAsPassed.pdf, respectively. To read the idling management policy, enacted last spring, for City of Chicago fleets, please see http://www.cityofchicago.org/content/dam/city/depts/doe/general/ESB_PDFs/CityVehicleIdlingManagementPolicy05202010.pdf.

Nova Scotia Mandates Anti-Idling Policies

Nova Scotia is the first province in Canada to pass a law to reduce unnecessary idling. "An Act to Require an Anti-idling Policy for the Government of Nova Scotia and Public Passenger Vehicles" became law in December 2010. According to the law, those in the province who own, manage, or operate public passenger vehicles (including provincial vehicles)

must have written anti-idling policies and be prepared to uphold them by October 1, 2011. Public passenger vehicles are defined as transit buses, school buses, tour buses, and other vehicles that seat 17 or more and are "operated upon any highway by or on behalf of a person carrying on the business of a public carrier of passengers or of passengers and freight." For

more information, please follow this link: <http://www.cbc.ca/canada/nova-scotia/story/2010/11/26/ns-anti-idling-law.html>. To read the text of the law,

please go to <http://www.canlii.org/en/ns/laws/stat/sns-2010-c-32/latest/sns-2010-c-32.html>.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
CALSTART	Federal Transit Administration's (FTA) National Fuel Cell Bus Program	Coordination of research among fuel cell manufacturers, engineering firms, and transit agencies throughout the country, including the development and demonstration of technology that enables the operation of fuel cell buses in cold climates	\$10.17 million
Georgia's Center for Transportation and the Environment in Atlanta	Federal Transit Administration's (FTA) National Fuel Cell Bus Program	Coordination of research among fuel cell manufacturers, engineering firms, and transit agencies throughout the country	\$6.42 million
AireDock Systems, LLC	NCTCOG	Purchase and installation of idle-reduction technology to supply external power to 25 parking spaces at a truck stop in Willow Park, Texas	\$180,625
City of Euless, Texas	NCTCOG	Purchase and installation of idle-reduction technology to supply external power to five shore power connections in Euless, Texas	\$6,040
DFW Oil, Inc.	NCTCOG	Purchase and installation of idle-reduction technology to supply external power to 70 parking spaces at a truck stop in Dallas, Texas	\$776,475
Frank Pase, Owner-Operator (Texas)	NCTCOG	Purchase and installation of one APU	\$4,245
Chris Perricone, Owner-Operator (Texas)	NCTCOG	Purchase and installation of two APUs	\$8,490
Louis Redding, Owner-Operator (Texas)	NCTCOG	Purchase and installation of one APU	\$4,245
Richard Sparks, Owner-Operator (Texas)	NCTCOG	Purchase and installation of one APU	\$5,000
ZWD Trucking, Inc. (Texas)	NCTCOG	Purchase and installation of one APU	\$5,000

MANUFACTURERS' NEWS

Thermo King Pioneer Jones Inducted into the MST Hall of Fame

On November 3, 2010, Thermo King's early innovator and pioneer in refrigerated transportation, the late Fredrick McKinley Jones, was inducted into the Minnesota Science and Technology (MST) Hall of Fame. In 1935, Jones invented the first practical, automatic refrigeration unit for trucks and railcars. The technology enabled the long-distance transportation of perishables, expanding the types and quality of food available. On July 30, 2007, Thermo King opened the Fredrick McKinley Jones Research and Development Center at its headquarters in Bloomington, Minnesota. For more information, please see <http://www.msthalloffame.org/>. (Photo: Fredrick McKinley Jones, courtesy of Thermo King)



REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Pew Center on Global Climate Change	Reducing Greenhouse Gas Emissions from U.S. Transportation	http://www.pewclimate.org/docUploads/Reducing_GH_G_from_transportation.pdf
Texas Transportation Institute	Urban Mobility Report 2010	http://mobility.tamu.edu/ums/

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
DOE Federal Energy Management Program (FEMP) Federal Fleet Management 101	Webinar	February 3, 2011	http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=456
Green Truck Summit	Indianapolis, Indiana	March 7–8, 2011	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
2011 National Air Quality Conferences	San Diego, California	March 7–10, 2011	http://airnow.gov/index.cfm?action=airnow.news_item&newsitemid=52
2011 Mid-America Trucking Show	Louisville, Kentucky	March 31–April 2, 2011	http://www.truckingshow.com or http://www.truckingshow.com/general-info
2011 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 9–13, 2011	www.hydrogen.energy.gov/annual_review.html
TRB 2011 Transportation Planning, Land Use, and Air Quality Conference	San Antonio, Texas	May 10–11, 2011,	http://www.trb.org/Calendar/Blurbs/2011 Transportation Planning Land Use and Air Qual 164465.aspx
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/

PARKING SPACES FOR TRUCKS

Ohio and Missouri Rest Area Closures

The states of Missouri and Ohio have announced temporary rest area closures. In Missouri, the eastbound rest area in Mineola on I-70, and both the eastbound and westbound rest areas in Halltown on I-44, are closed for repairs. In Ohio, two services plazas are scheduled to close on January 31, 2011. The Ohio Turnpike's Mahoning Valley (westbound) plaza and the

Glacier Hills (eastbound) plaza are undergoing reconstruction and are scheduled to reopen in summer 2012. For more information, please see http://www.landlinemag.com/todays_news/Daily/2011/Jan11/10311/10511-03.shtml and <http://www.ohioturnpike.org/notices/#ID39>.

PORTS

Brooklyn Cruise Terminal: Lawmakers, Residents Urge Progress on Shore Power

At a rally and press conference on January 3, 2011, local lawmakers, along with residents and activists, gathered to promote progress on the development of shore power at the Brooklyn Cruise Terminal. The involved parties agreed to move ahead with a shore power plan 2 years ago. The organizations that pledged support—including the Port Authority of New York & New Jersey, the New York City Economic Development Corp. (which operates the cruise terminal), the Port Authority, the New York Power Authority, Con Edison, and Carnival Corp.—have yet, however, to come to an agreement. The core issue is who will pay for what portions of the cost of electricity and the facility's operations and maintenance.

In July 2009, the EPA awarded the Port Authority a \$2.9 million Recovery Act grant for the installation of shoreside power at the Terminal. In August of 2010, the Port Authority authorized the expenditure of \$15 million for the installation of electrical infrastructure at the Port. For more on the issues surrounding shore power at the Brooklyn Cruise Terminal, please see http://www.nypost.com/p/news/local/brooklyn/klyn_moves_pier_clean_up_pollution_FjEA5nxCAiullg5AWvFF5H and <http://southbrooklynpost.com/news-views/cruise-ship-air-pollution/>.

RAILROADS

Chicago's Metra Responds to *Chicago Tribune* Air Quality Investigation

Chicago Metra's Emissions Task Force, responding to a fall 2010 *Chicago Tribune* investigation of air quality on Chicago's commuter trains, released the preliminary results of its own commuter car air quality testing. At a presentation to the Metra Board of Directors on January 14, 2011, the task force indicated that "the amount of diesel pollution dropped in half from the first car behind the locomotive to the second; levels dropped by another half on the last car." The *Tribune* reported that Metra said that it will pursue idling shutdown technology for its locomotives, in addition to using ultra-low-sulfur diesel fuel and installing more-efficient air filters on its commuter train cars.

The FTA recently awarded the Illinois Department of Transportation a Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER II) grant of \$341,694 for the installation of idling reduction technology on Metra locomotives.

The *Tribune's* 2010 investigation showed levels of diesel soot many times higher in train cars than on outside streets. To see the Emissions Task Force's PowerPoint presentation to Metra's Board January 14, 2011, please go to http://metrarail.com/content/dam/metra/documents/2011_M01_JanBoard.ppt and scroll down to page 20. To read about the *Chicago Tribune's* air quality investigation, please go to <http://www.chicagotribune.com/health/ct-met-dirty-diesel-20101105,0,7261777.story>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated. Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmidatlantic.org/diesel/funding.htm>; Southeast

Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- **Bergstrom** (http://www.nitesystem.com/html/idle_calculator.cfm)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)

- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do?sessionId=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 16 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation
Owner-Operator Independent Drivers Association (OOIDA)	Financial assistance for the installation of ~240 APUs in U.S. Environmental Protection Agency's (EPA) Regions 6 and 7	\$1 million	Rolling deadline until funds are awarded.	(800) 444-5791
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—2010 Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyouengineoff.org/campaign_recognition.html
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$100,000	Rolling deadline—the last Friday of each month	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp

National Idling Reduction Network News

December 2010

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
U.S. Environmental Protection Agency	National Clean Diesel Funding Assistance Program, FY 2011	~ \$32 million	January 13, 2011	http://www.epa.gov/cleandiesel/grantfund.htm
North Carolina Division of Air Quality	2011 Diesel Emission Reduction Grant Program	\$350,000	January 17, 2011	http://www.ncair.org/motor/DERG/
EPA	Clean Diesel Emerging Technologies Funding Assistance Program	~ \$4 million	January 27, 2011	http://www.epa.gov/air/grants/rfp-epa-oar-otaq-11-02.pdf
The Mid-America Regional Council (Missouri)	Clean Diesel Projects	Unknown	February 1, 2011	http://www.marc.org/rfp.htm
The Ozarks Center for Sustainable Solutions at Drury University (Missouri)	Clean Diesel Projects	\$67,500	February 1, 2011	http://www.drury.edu/multinl/story.cfm?ID=25768&NLID=387
Southeast Missouri Regional Planning and Economic Development Commission	Clean Diesel Projects	~ \$70,000	February 1, 2011	http://www.semorpc.org/dera.html
St. Louis Regional Clean Cities (Missouri)	Clean Diesel Projects	~ \$80,000	February 1, 2011	http://www.stlcleancities.org/
EPA	SmartWay Finance Program	~\$6 million	February 10, 2011	http://www.epa.gov/oar/grants_funding.html
Baltimore Regional Transportation Board	FY 2011 Congestion Mitigation and Air Quality Improvement Program	\$800,000	February 22, 2011	http://www.baltometro.org/transportation-planning/request-for-project-applications-fy2011-cmaq-funding
U.S. Department of Energy's (DOE) National Energy Technology Laboratory (NETL)	FY 2011 Vehicle Technologies Program Wide Funding Opportunity	\$184 million	February 28, 2011	http://www.grants.gov/search/search.do;jsessionid=dBn9NKvTwthsHkQ5zQSnnBL6fGpn0Gq6nR6dJ4yYglHmQSlxJqp1!-1004752400?oppld=59754&mode=VIEW
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$600,000 (as of September 30, 2010)	May 31, 2011	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php

REGULATORY NEWS

DERA 2010 Is Law

The Diesel Emissions Reduction Act of 2010 (DERA), passed by the Senate on December 16, 2010, and by the House on December 20, 2010, became law with President Obama's signature on January 4, 2011. The law, which essentially extends DERA 2005, authorizes the

expenditure of \$500 million for grants, loans, and rebates to facilitate the purchase and use of clean diesel technology over a 5-year period. The text of the bill may be found at <http://www.govtrack.us/congress/billtext.xpd?bill=h111-5809>.

EPA and NHTSA Publish Proposed Rule in the *Federal Register*

On November 30, 2010, EPA and the U.S. Department of Transportation's (DOT) National Highway Traffic Safety Administration (NHTSA) published "Greenhouse Gas Emissions Standards and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles; Proposed Rule" in the *Federal Register*. NHTSA's proposed fuel consumption standards and EPA's proposed carbon dioxide emissions standards would apply to three regulatory categories of heavy-duty vehicles: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. The standards, which

would apply to both gasoline and diesel heavy-duty engines, would affect 2012–2016 model-year vehicles. Idling reduction technologies are among the technologies believed to have the most potential to reduce fuel consumption and help vehicles to meet the proposed standards.

EPA and NHTSA are accepting comments on the proposed rule through January 31, 2011. For more information, please see <http://edocket.access.gpo.gov/2010/pdf/2010-28120.pdf>.

Michigan's Legislative Session Ends, No Idling Reduction Law

Michigan's Senate Bill 1069, which would have disallowed idling for more than 5 minutes in any 60-minute period, died at the end of the state's legislative session. The bill, introduced in January of 2010 and intended to amend Michigan's Public Act 451 of 1994 (Natural Resources and

Environmental Protection Act), never gained traction. Please see http://www.landlinemag.com/todays_news/Daily/2010/Dec10/120610/120710-05.shtml for more information.

AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Carroll County Board of Developmental Disabilities, Ohio	Ohio EPA	Installation of idle-reduction equipment on 5 buses	\$11,000
Marlington Board of Education, Stark County, Ohio	Ohio EPA	Installation of idle-reduction equipment on 25 buses	\$61,775
North Ridgeville City Schools, Lorain County, Ohio	Ohio EPA	Installation of idle-reduction equipment on 6 buses	\$16,680
B.G. Foster Trucking, Clearfield County, Pennsylvania	Pennsylvania Department of Environmental Protection (DEP), Small Business Advantage Grant (SBAG)	Purchase and installation of APUs	\$4,475
Barber Trucking, Jefferson County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$5,740
Chad M. Baker, Venango County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$4,150
DooWop Express, Pike County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$4,150
Gary Patterson Trucking, Mercer County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$7,500
J & V Trucking, Perry County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$5,250
J. B. Geist, Schuylkill County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$7,500
Kincade Trucking, Lawrence County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$4,150
Natale Trucking, Lawrence County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$4,150
Pleasant Trucking, Fayette County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$7,500
Richard Barr, Lebanon County, Pennsylvania	Pennsylvania DEP SBAG	Purchase and installation of APUs	\$6,457
Southern Alliance for Clean Energy	U.S. EPA	Clean Trucks Make Cents Program (financing for used, pre-2007 heavy-duty trucks retrofitted with verified emissions reduction and idle reduction systems)	\$5 million

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Transportation Research Board (TRB)	Trucking 101: An Industry Primer	http://onlinepubs.trb.org/onlinepubs/circulars/ec146.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Workshop To Discuss Changes to Funding Opportunities Based on Amendments to the Truck and Bus, Drayage Truck, and Off-Road Regulation	Sacramento, California	January 11, 2011	http://www.arb.ca.gov/msprog/mailouts/msc1056/msc1056.pdf
Clean Truck Programs, Part 3: Utilizing Funding Sources and Providing Incentives for Participation	Webinar (fee-based)	January 19, 2011	http://webinars.aapa-ports.org/session.php?id=5196
TRB 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx
Society of Automotive Engineers Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 26–28, 2011	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 7–8, 2011	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
2011 National Air Quality Conferences	San Diego, California	March 7–10, 2011	http://airnow.gov/index.cfm?action=airnow.news_item&newsitemid=52
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/

PARKING SPACES FOR TRUCKS

Ohio and Michigan: Rest Area Closures and Renovation

Twenty-one rest areas on Ohio's I-90 have been closed as part of a renovation program for dozens of the state's 109 rest areas. As refurbishment is completed, the rest areas will be reopened. Please see <http://www.ttnews.com/articles/printnews.aspx?storyid=25631> for more information. For the current status of Ohio rest stops, please see <http://www.dot.state.oh.us/divisions/facilities/facilities/restareas/Pages/default.aspx>.

In Michigan, six rest areas will be closed until April 4, 2011, including St. Ignace (southbound I-75, Mackinac County); Ludington (northbound US-31, Mason County); Topinabee (northbound I-75, Cheboygan County);

Hebron (southbound I-75, Cheboygan County); Hart (southbound US-31, Oceana County); and Okemos (westbound I-96, Ingham County). Because the Okemos rest area is under construction, the April 4 reopening date is tentative. Additionally, the Grand Ledge rest area (eastbound I-96, Clinton County), which is also under construction, will remain closed until July 1, 2011. At closed rest areas, signs will be posted showing the distance to the next open rest area. The remainder of Michigan's 81 rest areas will be open for the winter season. Please go to <http://www.michigan.gov/mdot/0,1607,7-151--247561--,00.html> for more information.

I-81 Truckers May Get Help Finding Parking Spaces

The I-81 Corridor Coalition, a group dedicated to the efficient movement of freight along the interstate that traverses Maryland, New York, Pennsylvania, Tennessee, Virginia, and West Virginia, seeks to help truck drivers find parking. The proposed electronic system would use wireless technology to help direct truck drivers to available parking spaces. A member of the Coalition, Virginia Tech Transportation Institute Fellow

Ray Pethtel, says that while there are 5,200+ truck parking spaces along the 855-mile interstate corridor, truck drivers often park overnight on road shoulders and ramps. More information is available at <http://www.ttnews.com/articles/printnews.aspx?storyid=25599> and <http://www.ship.edu/I81/>.

ELECTRIFIED PARKING SPACES

IdleAIR Opens Three More Locations, but Its Equipment Is Scrapped at Others

IdleAIR has opened three new locations, two in Pennsylvania (All American Plaza in Breezewood and Frystown All American Plaza in Myerstown) and one in Tennessee (Knoxville, TravelCenters franchise). At other locations,

however, IdleAIR equipment is being removed. According to the *Knoxville News Sentinel*, IdleAIR's CEO, Mike Fielden, says that TravelCenters of America has removed IdleAIR equipment from about 40 of its 98 locations.

“Our hope is to keep that equipment from going to the scrap yard and to use it at other locations,” Fielden stated. He also said that because determining ownership of the equipment is legally complicated, IdleAIR is

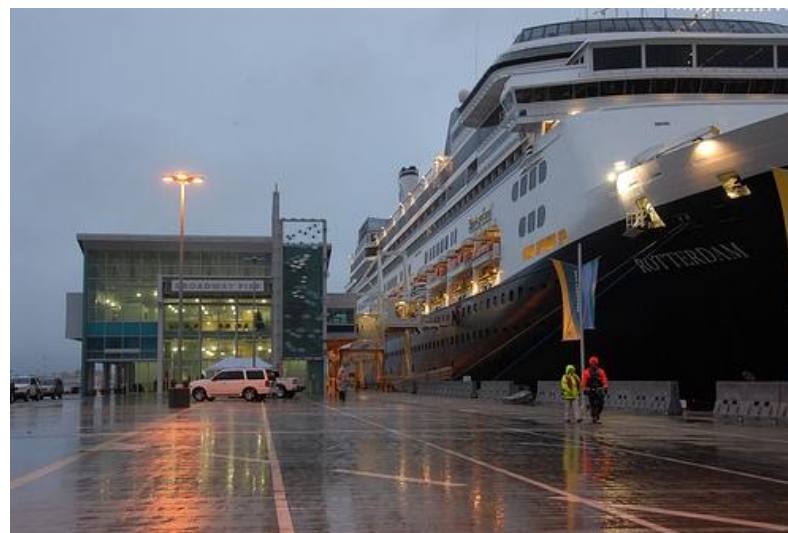
not pursuing legal action to try to retrieve it. For more information, please see <http://www.knoxnews.com/news/2010/dec/04/travelcenters-scrap-some-idleaire-sites/?print=1>.

PORTS

San Diego: Cold Ironing for Cruise Ships

On December 11, 2010, the Port of San Diego celebrated its new shore power capacity for cruise ships at its B Street Cruise Ship Terminal. The \$7.1 million system, developed with the support of the San Diego County Air Pollution Control District Board (with \$2.4 million in Carl Moyer grants), CARB, Cochran, Inc., and San Diego Gas & Electric, enables cruise ships at berth to use shore-based electrical power.

Cochran installed the shore power system; the company has also installed such systems for the ports in Seattle, San Francisco, and Vancouver. According to the Port of San Diego, the shore power system can provide up to 12 megawatts of power—enough to power a large college campus. Please see <http://www.portofsandiego.org/broadway-cruise-ship-terminal.html> for more information. (Photo: Holland America’s 1,400-passenger *Rotterdam* docks at the Port’s shore power-equipped terminal. Photo courtesy of the Port of San Diego.)



Hybrid Electric Tugboat Reduces Emissions

Investigators at the University of California, Riverside, have determined that a hybrid electric tugboat effectively reduces emissions at the Ports of Los Angeles and Long Beach. According to the CARB-sponsored study, the hybrid electric tugboat reduces emissions of soot by about 73%, oxides of nitrogen by 51%, and carbon dioxide by 27%. The *Carolyn Dorothy*, which is powered by four diesel engines and 126 batteries—and is believed to be the

world’s only hybrid electric tugboat—began its work at the two California ports in January of 2009. For more information, please go to http://newsroom.ucr.edu/news_item.html?action=page&id=2498. To see the study, please click on <http://www.arb.ca.gov/ports/marinevess/harborcraft/documents/hybridreport1010.pdf>.

Port Metro Vancouver Garners Environmental Award

Port Metro Vancouver has been awarded the Association of Professional Engineers and Geoscientists of British Columbia's (APEGBC) *2010 Environmental Award of Excellence (Concept and Assessment Phase)* for its Canada Place Cruise Ship Shore Power installation. The award recognizes individual APEGBC members and/or their employers for outstanding

contributions towards environmental protection and/or sustainable development. In 2009, the Port became the first in Canada to install shore power for cruise ships. Please see http://www.portmetrovancover.com/en/about/news/10-11-01/Un_prix_en_environnement_pour_le_port.aspx for more information.

OTHER NEWS OF INTEREST

Marine Corps Acquires All-Electric Vehicles

The U.S. Marine Corps (USMC) has purchased two all-electric Smith Newton trucks. The Newton, which is the only medium-duty (class 4–7) all-electric commercial truck on the General Services Administration (GSA) schedule, offers a top speed of 55 mph and can travel from 50 to 120 miles on a single charge. The trucks are virtually silent and, of course, produce no idling

emissions. The USMC's Facilities Energy and Water Management Program seeks to increase the percentage of renewable electrical energy consumed to 25% by FY 2025. For more information, please see http://www.smithelectricvehicles.com/newsevents_news.asp?p=n&itemid=338.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	<i>Massachusetts</i>	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in *brown* have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>;

Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>;
Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean

Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>;
and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at

least 16 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific

fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retyping the URL, in your browser window.

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National Idling Reduction Network News

November 2010

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work-for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbomb_loan.html#evaluation
Owner-Operator Independent Drivers Association (OOIDA)	Financial assistance for the installation of ~240 APUs in U.S. Environmental Protection Agency's (EPA) Regions 6 and 7	\$1 million	Rolling deadline until funds are awarded.	(800) 444-5791
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselfetrofitrebate.org
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—2010 Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
EPA	National Clean Diesel Funding Assistance Program, FY 2011 Request for Proposals	~ \$32 million	January 13, 2011	http://www.epa.gov/cleandiesel/grantfund.htm#over
North Carolina Division of Air Quality	2011 Diesel Emission Reduction Grant Program	\$350,000	January 17, 2011	http://www.ncair.org/motor/DERG/
North Carolina Division of Air Quality	North Carolina State APU and 2010 Compliant Heavy-Duty Truck Rebate Program	\$141,500 (as of November 1, 2010)	March 31, 2011	http://www.ncair.org/motor/Rebates/
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$600,000 (as of September 30, 2010)	May 31, 2011	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php

RECOGNITION

Union Pacific Receives California Environmental Award for Gen-Set

California Governor Arnold Schwarzenegger recently recognized Union Pacific Railroad (UP) and 12 other companies and organizations with the California's Governor's Environmental and Economic Leadership Award. The railroad received this honor because of its ultra-low emitting genset locomotive technology, which reduces nitrous oxide emissions by 80% and particulate matter by 90%, while using as much as 30% less fuel compared to older switching locomotives.

The 13 winners, chosen from more than 100 applicants, were recognized for strengths in: results, transferability, environmental impact, resource conservation, economic progress, innovation and uniqueness, pollution prevention, and environmental justice. Please see http://www.uprr.com/newsinfo/releases/environment/2010/1117_geela.shtml and <http://gov.ca.gov/press-release/16489/> for more information.

REGULATORY NEWS

DERA Reauthorization Bill Introduced

On November 18, 2010, U.S. Senators George V. Voinovich (R-Ohio), chairman and ranking member of the Senate Subcommittee on Clean

Air and Nuclear Safety, and Tom Carper (D-Delaware) introduced Senate Bill 3873, "A Bill to Amend the Energy Policy Act of 2005 to

Reauthorize and Modify Provisions Relating to the Diesel Emissions Reduction Program [DERA].” The bill, which has garnered dozens of sponsors, would reauthorize DERA 2005 with some changes. The revision would broaden the definition of entities eligible to administer low-cost loan programs, and make rebates, in addition to grants and

loans, available. The bill requests \$200 million for each fiscal year from 2012 through 2016.

The bill is now in committee. For more information, please see <http://www.govtrack.us/congress/bill.xpd?bill=s111-3973>.

MassDEP Fines First Student for Idling Violations

The Massachusetts Department of Environmental Protection (MassDEP) has fined school bus company First Student (Cincinnati, Ohio) \$40,000 for idling violations. During inspections conducted in the fall of 2008 and spring of 2009, MassDEP found numerous instances of excessive idling in Springfield, Brockton, South Boston, Dorchester, Roxbury, and Roslindale, Massachusetts. In 2004, MassDEP had issued a notice of noncompliance to First Student for excessive idling. In 2005, MassDEP entered into a consent order with First Student.

First Student has agreed to the penalty and to undertake the following:

- Train all employees who operate, maintain, and supervise operation of buses;

- Post no-idling signs at all First Student locations;
- Install FOCUS (First On-board Component Utilization System) units with GPS on at least 75 buses, which will allow the company to monitor bus idling (MassDEP will also receive reports from the FOCUS units); and
- Have First Student managers conduct ongoing walking inspections of their parking lots to monitor bus operations.

If further violations occur, First Student will be required to pay \$2,000 per violation. More information is available at <http://www.mass.gov/dep/public/press/1010firs.htm>.

ATRI Updates Idling Law Compendium

The American Transportation Research Institute (ATRI) has updated its list of state and local idling regulations. The resource may be accessed online, with links to individual regulations, or downloaded as a cab card.

The compendium provides updated information on the expiration dates of some states' sleeper berth exemptions, including Florida (September 30,

2013), New Jersey (April 30, 2011), North Carolina (May 1, 2011), and West Virginia (May 1, 2012). It also notes that the sleeper berth exemption recently expired for Pennsylvania and Rhode Island. To access the compendium, please go to <http://www.atri-online.org/> and click on the compendium link at the left.

AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Alaska Railroad Corporation	U.S. Department of Transportation (DOT)—Transportation Investment in Greenhouse Gas and Energy Reduction Program (TIGGER) II Grant	The retrofit of locomotives with emission reduction kits and anti-idle systems	\$1,035,000
Hawaii—City & County of Honolulu Department of Transportation Services	DOT (TIGGER II)	The purchase of turbine hybrid electric buses, which will be equipped with anti-idle technology	\$5,061,000
Illinois Department of Transportation	DOT (TIGGER II)	Installation of anti-idling system (automatic shut-down/start-up) on Metra locomotives	\$341,694
Minnesota—Metropolitan Council (Metro Transit)	DOT (TIGGER II)	Acquisition of hybrid buses equipped with MiniHybrid Thermal System (MH8) electrically operated engine cooling and air conditioning accessories	\$1.2 million
Missouri Department of Natural Resources	EPA	Diesel emission reduction projects, including idling reduction	\$352,941
North Carolina Solar Center	North Carolina Department of Commerce State Energy Division	Alternative Fuel /Advanced Vehicle Technology project, including an idling reduction pilot project and an idling reduction technology project	\$500,000
Port of Vancouver USA	DOT Transportation Investment Generation Economic Recovery (TIGER II)	Help fund construction for the West Vancouver Freight Access Project, which will separate vehicle and train traffic, reducing congestion	\$10 million

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
National Cooperative Freight Research Program, Transportation Research Board (TRB)	Identifying and Using Low-Cost and Quickly Implementable Ways To Address Freight-System Mobility Constraints	http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_007.pdf

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Meeting To Consider Changes to the Off-Road Equipment Replacement Program of the Carl Moyer Program Guidelines	Sacramento, California	December 8, 2010	http://www.arb.ca.gov/msprog/moyer/moyer.htm
CARB Public Hearing to Consider the Adoption of Proposed Amendments to the On-Road and Off-Road Regulations	Sacramento, California	December 16, 2010	http://www.arb.ca.gov/regact/2010/truckbus10/truckbus10.htm and http://www.arb.ca.gov/regact/2010/offroadlsi10/offroadlsi10.htm
TRB 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx
Society of Automotive Engineers Government/ Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 26–28, 2011	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 7–8, 2011	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/

MANUFACTURERS' NEWS

Quallion Introduces Anti-Idling Battery for Heavy-Duty Trucks

At the recent Battery Show in San Jose, California, Quallion introduced a new battery-powered anti-idling heating, ventilation, and air conditioning (HVAC) device under development for Class 6–8 trucks. The lithium-ion battery system is designed to power HVAC for up to 10 consecutive hours. The system charges as the truck is being driven. The anti-idling system, currently in field testing, is based on the manufacturer's modular, scalable MATRIX technology, which has been used to provide backup power for a number of vehicular and other applications.

According to Quallion, the new battery system is 25% of the weight of an equivalent lead acid battery and has reduced temperature-related safety risks because of the small cell size. The U.S. Department of Energy (DOE) helped fund the development of this anti-idling technology. Please see http://www.quallion.com/images-pdf/Anit%20Idling%20Release_Final.pdf for more information.

PARKING SPACES FOR TRUCKS

Virginia Pilots New, Low-Cost Truck Parking Program

To address shortages of truck parking in Virginia, the Virginia Department of Transportation (VDOT) has developed a pilot program designed to put undeveloped VDOT property to use—at minimal cost. The first Truck Safety Rest Area, which opened November 4, 2010, in Warren County on I-66 near mile marker 4, is an unpaved lot. Portable toilets are provided.

According to Virginia Governor Bob McDonnell, the 90-day pilot period will be followed by a 60-day evaluation period, during which the rest area will continue to be available to truck drivers. If the pilot program is deemed a success, additional such parking areas may be made available. The link <http://www.governor.virginia.gov/news/viewRelease.cfm?id=455> contains more information.

ELECTRIFIED PARKING SPACES

TSE Site Operational in Maine

The truck stop electrification (TSE) facility in West Gardiner, Maine, funded with the assistance of a \$1.2 million EPA Recovery Act award to the Maine Turnpike Authority, is now operational. Craufurd Manufacturing provided the 30 stand-alone AireDock units at the site, which is located off I-95. Each unit offers heating and cooling, high-speed internet access, and an electrical

hookup via a universal window adaptor. According to a representative of the West Gardiner Service Plaza, the current cost is \$2.00/hour. More information is available at http://www.maineturnpike.com/traveler_services/electrification.php.

IdleAire, Now IdleAIR, Opens Three More Sites

IdleAIR, formerly IdleAire, has opened three more truck stop electrification locations: Bakersfield, California (Bruce's Truck Stop); Monee, Illinois (Petro Stopping Center); and Boonville, Missouri (Pilot Travel Center). That brings

the number of spots open to 17. For more information, please see <http://www.idleaire.com/>.

PORTS

Port of Tacoma: Shore Power for Cargo Ships

On October 27, 2010, the Port of Tacoma flipped the switch for cargo ship shore power capability, a first for the Pacific Northwest. The \$2.7 million shore power project was completed with the assistance of a \$1.5 million EPA Recovery Act award. Totem Ocean Trailer Express (TOTE), a shipping company that serves the Alaska trade, contributed approximately \$1.2 million to retrofit two ships and contribute to the terminal's infrastructure.

According to the Port, the shore power project will reduce diesel and greenhouse gas emissions by up to 90% during TOTE's 100 annual ship calls in Tacoma. The annual reduction amounts to about 1.9 tons of diesel particulates and 1,360 tons of greenhouse gas emissions. The link <http://www.portoftacoma.com/Page.aspx?cid=4773> contains more information. (Photo: The first cargo ship in the Pacific Northwest is being plugged in to shore power, October 27, 2010. Photo courtesy of the Port of Tacoma)



OTHER NEWS OF INTEREST

Chicago Tribune: Train and Bus Commuters Breathe Diesel-Fouled Air

In early November, the *Chicago Tribune* reported that it had conducted air quality testing on Chicago's Metra passenger train platforms and train cars. The newspaper stated that it found, with the use of a Magee handheld testing device, levels of black carbon an order of magnitude higher than background levels.

In one of the *Tribune's* testing events, the black carbon level measured on a Union Station platform was 21 micrograms per cubic meter of air (21 $\mu\text{g}/\text{m}^3$). Typical readings on U.S. city streets are 1–2 $\mu\text{g}/\text{m}^3$. Inside a

train bound for the western suburb of Downers Grove, the value rose to 39 $\mu\text{g}/\text{m}^3$. In the train car about 20 minutes later, the reading rose to 72 $\mu\text{g}/\text{m}^3$.

In response to the *Tribune's* findings, Metra has retained a firm to conduct air quality testing on its behalf and formed a task force to investigate air quality at its terminals and on its train cars. The task force will evaluate the ventilation systems at Chicago Union Station and Ogilvie Transportation Center, the air filtration system on the trains, alternative exhaust

treatments, and cleaner alternative fuels. Metra's Acting Director, Bill Tupper, warns, however, that budget shortfalls will be a constraint. Results of Metra's air quality tests are expected soon.

The *Tribune* subsequently reported on diesel pollution in the vicinity of idling diesel buses, where it found soot levels up to 30 times higher than

normal street levels. For more information, please see <http://www.chicagotribune.com/health/ct-met-dirty-diesel-20101105,0,7261777.story>, <http://www.chicagotribune.com/health/ct-met-diesel-idling-20101121,0,6066042.story>, and http://metrarail.com/metra/en/home/utility_landing/newsroom/newsroom.html.

Illinois Tollway and Argonne to Collaborate on Idling Reduction and More

The Illinois Tollway and Argonne National Laboratory have signed a memorandum of understanding (MOU) to collaborate on the development of energy-efficient and ecologically sensitive transportation-related technologies. Together, they will study: energy-efficient technologies (including solar); fuel efficient and idle reduction technologies; intelligent

transportation systems technology; and ecological and biological treatment strategies. The Tollway's fleet includes a variety of vehicles and equipment that operate in both urban and rural settings. Please see http://www.illinoistollway.com/portal/page?_pageid=54,2799712&_dad=portal&_schema=PORTAL for more information.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.] The following table is updated

as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

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Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

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If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

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There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

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- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 16 states. AireDock, CabAire, EnviroDock, IdleAIR, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which

features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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National Idling Reduction Network News

October 2010

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work-for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbomb_loan.html#evaluation
Owner-Operator Independent Drivers Association (OOIDA)	Financial assistance for the installation of ~240 APUs in U.S. Environmental Protection Agency's (EPA) Regions 6 and 7	\$1 million	Rolling deadline until funds are awarded.	(800) 444-5791
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselfretrofitrebate.org
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—2010 Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
U.S. Department of Energy (DOE)	2011 Phase I Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR)	~ \$38 million	November 15, 2010	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000413&agency=DOE
North Central Texas Council of Governments (NCTCOG)	North Central Texas Clean School Bus Program 2010 Call for Projects	~ \$600,000	November 19, 2010	http://www.nctcog.org/cleanschoolbuses
The Port of Long Beach and Port of Los Angeles	Request for Information for Ocean-Going Vessel At-Berth Emissions Reduction Technologies for Use at the Port of Long Beach and the Port of Los Angeles	NA	November 19, 2010	http://www.polb.com/economics/contractors/rfq_rfp/request.asp?bidID=121
CARB	Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$19 million	November 22, 2010	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
Kentucky Division for Air Quality	Clean Diesel Grant Program	\$235,000	November 23, 2010	http://air.ky.gov/Pages/KentuckyCleanDieselGrantProgram.aspx
Oklahoma Department of Environmental Quality	Clean Diesel Grant Program	\$200,000	November 24, 2010	http://www.deq.state.ok.us/AQDnew/cleandiesel/dera5.html
Michigan Department of Natural Resources and Environment	Diesel Emissions Reduction Act (DERA) 2010–2011 Request for Projects (RFP) Competition	~ \$1 million	November 29, 2010	http://www.michigan.gov/deq/0,1607,7-135-3310-198413--,00.html (scroll down to State of Michigan Grants)
U.S. EPA	National Clean Diesel Funding Assistance Program, FY 2011 Request for Proposals	~ \$32 million	January 13, 2011	http://www.epa.gov/cleandiesel/grantfund.htm#over
North Carolina Division of Air Quality	2011 Diesel Emission Reduction Grant Program	\$350,000	January 17, 2011	http://www.ncair.org/motor/DERG/
North Carolina Division of Air Quality	North Carolina State APU and 2010 Compliant Heavy-Duty Truck Rebate Program	\$141,500 (as of November 1, 2010)	March 31, 2011	http://www.ncair.org/motor/Rebates/
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$600,000 (as of September 30, 2010)	May 31, 2011	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php

REGULATORY NEWS

Another Try: Federal Tax Credit for Idling Reduction Devices

On September 29, 2010, New Mexico Senator Jeff Bingaman (D) introduced Senate Bill 3935, which includes a provision for tax credits for the purchase of idling reduction technologies. According to *Land Line*, the proposed tax credits, which would be calculated according to the efficiency of the idling reduction device (as measured in gallons of diesel fuel consumed per hour), would range from \$800 to \$5,000. The bill, entitled, "To amend the Internal

Revenue Code of 1986 to improve and extend certain energy-related tax provisions, and for other purposes," is currently in committee. For more information, please see

http://www.landlinemag.com/todays_news/Daily/2010/Oct10/100410/100710-01.htm. To read the text of the bill and to follow the legislation, please go to <http://www.govtrack.us/congress/bill.xpd?bill=s111-3935>.

EPA and NHTSA Propose Standards for Medium- and Heavy-Duty Vehicles

On October 25, 2010, EPA and the U.S. Department of Transportation's National Highway Traffic Safety Administration (NHTSA) announced a first-of-its-kind program to reduce greenhouse gas emissions and to improve the fuel efficiency of medium- and heavy-duty vehicles. The agencies' complementary standards would cover vehicle model years 2014–2018.

According to EPA and NHTSA, these standards, if implemented, will reduce greenhouse gas emissions by nearly 250 million metric tons and save about 500 million barrels of oil over the lifetimes of the vehicles sold for model years 2014–2018.

The proposed regulations are the agencies' response to a Presidential Memorandum issued on May 21, 2010, regarding a plan to ensure the production of cleaner vehicles. In the memorandum, President Obama expressed the goal of having a final rule issued by July 30, 2011.

After the proposal has been announced in the *Federal Register*, a 60-day comment period will begin. Two public hearings are planned, one for November 15, 2010, in Chicago, Illinois, and one for November 18, 2010, in Cambridge, Massachusetts. For more information, please see <http://www.epa.gov/otaq/climate/regulations.htm> and <http://www.nhtsa.gov/fuel-economy>.

AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Idle Free Systems (Watertown, Wisconsin)	Wisconsin Department of Administration (State Energy Program)	The expansion of production capabilities at the company's Watertown, Wisconsin, plant, which manufactures battery-powered, idle-elimination systems for over-the-road trucks	\$450,000

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Leonardo Academy (Madison, Wisconsin)	EPA Region 5 and Midwest Clean Diesel Initiative	Clean diesel projects, including the implementation of idle reduction technologies, to reduce fuel emissions from long-haul trucks, school buses, and municipal bus fleets	\$600,000
Maryland Transit Administration	U.S. EPA	Assistance in funding the replacement of a conventional switcher locomotive engine with ultra-clean generator set (gen-set) technology	\$975,000
Seattle-Tacoma International Airport	Federal Aviation Administration	Voluntary Airport Low Emissions (VALE) grant to help fund a project to allow aircraft to hook up to preconditioned air at each gate, allowing planes to turn off their APUs	\$18.3 million

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
EPA and NHTSA	Draft Regulatory Impact Analysis: Proposed Rulemaking To Establish Greenhouse Gas Emissions Standards and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles	http://www.epa.gov/oms/climate/regulations/420d10901.pdf
EPA, NHTSA, and CARB	Interim Joint Technical Assessment Report: Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards for Model Years 2017–2025	http://www.epa.gov/oms/climate/regulations.htm#new1
Diesel Technology Forum	Preparing Your DERA Grant Application: What You Need To Know for FY2011 (archived webinar from October 5, 2010)	http://www.dieselforum.org/multimedia/webinars
Oregon Department of Environmental Quality	Improving Truck Efficiency and Reducing Idling (Final Report Submitted to House Interim Committee on Environment and Water and Senate Interim Committee on Environment and Natural Resources)	http://www.deq.state.or.us/aq/committees/TruckEfficiencyStudyGrp.htm
Argonne National Laboratory	To Idle or Not To Idle: That Is the Question	http://www.transportation.anl.gov/pdfs/EE/642.PDF
University of California, Riverside, College of Engineering—Center for Environmental Research and Technology	Evaluating Emissions Benefits of a Hybrid Tug Boat, Final Report (prepared for CARB)	http://www.arb.ca.gov/ports/marinevevess/harborcraft/documents/hybridreport1010.pdf

UPCOMING MEETINGS AND EVENTS

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MEETING	LOCATION	DATE	WEBSITE OR CONTACT
EPA National Funding Assistance Program Webinars	Webinar for Regions 1–4: November 9, 2010, 10:00 a.m. EST Webinar for Regions 5–7: November 9, 2010, 3:00 p.m. EST Webinar for Regions 8–10: November 10, 2010, 3:00 p.m. EST		http://www.epa.gov/otag/diesel/prgnational.htm#info
Transportation Research Board (TRB) Webinar: Tools to Evaluate Carbon Emissions from Transportation Agencies/Multipollutant Effects of Emission Control Strategies	Webinar	November 10, 2010	https://www1.gotomeeting.com/register/878091352
TRB 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx
Society of Automotive Engineers Government/ Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 26–28, 2011	http://www.sae.org/events/gim/
Green Truck Summit	Indianapolis, Indiana	March 7–8, 2011	http://www.calstart.org/Events/CALSTART-Events/Green-Truck-Summit.aspx
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/

PORTS

Cold Ironing Comes to the Port of San Francisco

The Port of San Francisco has become the first California port—and the fourth port in the world—to provide shoreside electrical power for cruise ships at berth. On October 6, 2010, Princess Cruises' *Island Princess* turned off its engines and plugged in at Pier 27 to receive electrical power. The shoreside power is generated by the Hetch Hetchy water system, in which water travels, via gravity, from Yosemite to the San Francisco Bay Area.

The EPA, through the West Coast Collaborative, helped fund the electrification of the Port of San Francisco's Pier 27 by awarding \$1 million to the Port to build the infrastructure to electrify the cruise ships that berth at the Pier. The Bay Area Air Quality Management District's Carl Moyer Program and San Francisco's Public Utilities Commission also provided support. According to the Port of San Francisco, the other ports that have

shoreside power for cruise ships are Juneau, Alaska; Seattle, Washington; and Vancouver, Canada. More information is available at

<http://www.sfport.com/index.aspx?page=1497&recordid=17&returnURL=%2findex.aspx>.

RAILROADS

Locomotive Idling: Federal Appeals Court Rules against SCAQMD

A federal appeals court has ruled against California's South Coast Air Quality Management District (SCAQMD), which sought to limit emissions from idling trains through regulations issued in late 2005 and early 2006. The Association of American Railroads, with the BNSF Railway Company and Union Pacific Railroad, challenged SCAQMD's rules in a lawsuit heard in U.S. District Court, which ruled against SCAQMD. The appeals court three-judge panel that heard the case this summer upheld the lower court's finding that SCAQMD's rules interfered with interstate commerce.

"Because ICCTA [Interstate Commerce Commission Termination Act of 1995] 'preempts all state laws that may reasonably be said to have the effect of managing or governing rail transportation,' ICCTA preempts the District's rules here," wrote one of the judges in the opinion. For more on the court's ruling, please see

<http://www.courthousenews.com/2010/09/16/30409.htm> and www.ca9.uscourts.gov/datastore/opinions/2010/09/15/07-55804.pdf.

Baltimore Gets a Gen-Set

Maryland has received its first ultra-low emission gen-set locomotive. Introduced on October 26, 2010, at a public event at Baltimore's Camden Station, the CSX gen-set switcher locomotive will reduce emissions and fuel use at CSX's Curtis Bay Yard in Baltimore. Gen-sets monitor engine idling and switch to "sleep mode" after a period of inactivity, thus reducing nitrous oxide and particulate matter emissions by approximately 80% and carbon dioxide emissions by up to 25%, according to CSX. An EPA grant, funded by the American Reinvestment and Recovery Act (ARRA), covered 65% of the \$1.4 million required for the project, and CSX contributed the remaining funds. For more information, please see <http://www.csx.com/index.cfm/media/press-releases/major-public-private-partnership-brings-cleaner-air-to-maryland/>. (Photo by Terry Levinson)



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Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	<i>Massachusetts</i>	New Hampshire*	Oregon	Vermont*	
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- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)

- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)

- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 16 states. CabAire, EnviroDock, IdleAire, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which

features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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National Idling Reduction Network News

September 2010

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$2 million	First come, first served.	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work-for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation
Owner-Operator Independent Drivers Association (OOIDA)	Financial assistance for the installation of ~240 auxiliary power units (APUs) in EPA Regions 6 and 7	\$1 million	Rolling deadline until funds are awarded.	(800) 444-5791
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—2010 Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	http://www.turnyourengineoff.org/campaign_recognition.html

National Idling Reduction Network News

September 2010

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2010	http://www.sae.org/news/awards/list/e2t/
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program	~ \$1.08 million	October 22, 2010	http://www.nctcog.org/trans/air/vehicles/investments/funding/index.asp
Northeast Diesel Collaborative (NEDC)	1st Annual Northeast Diesel Collaborative Breathe Easy Awards	N/A	Nominations due October 22, 2010	http://northeastdiesel.org/breathe-easy-awards.html
Alaska Department of Environmental Conservation	2010 Diesel Emission Reduction Grant Solicitation	\$1.03 million	October 29, 2010	http://www.dec.state.ak.us/air/anpms/dg/2010solicitation.htm
New York State Energy Research and Development Authority (NYSERDA)	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
U.S. Department of Energy (DOE)	2011 Phase I Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR)	~ \$38 Million	November 15, 2010	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000413&agency=DOE
NCTCOG	North Central Texas Clean School Bus Program 2010 Call for Projects	~ \$600,000	November 19, 2010	http://www.nctcog.org/cleanschoolbus
North Carolina Division of Air Quality	North Carolina State APU and 2010 Compliant Heavy-Duty Truck Rebate Program	\$181,000 (as of September 24, 2010)	March 31, 2011 (deadline extended)	http://www.ncair.org/motor/Rebates/
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$600,000 (as of September 30, 2010)	May 31, 2011 (deadline extended)	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php

REGULATORY NEWS

California: 400-Pound Exemption Bill Fails, CARB 2009 Idling Fines Disclosed

In its 2010 legislative session, California lawmakers were unable to pass Assembly Bill (AB) 1772, which would have increased the maximum truck weight by 400 pounds for trucks equipped with idle reduction devices. Introduced by Assembly Member Tony Mendoza in February 2010, AB 1772 made it through the Assembly and to a Senate committee before dying upon session adjournment.

CARB has released its enforcement statistics for 2009, during which it conducted more than 9,500 inspections for commercial vehicle and school bus idling. More than 1,400 citations were written, with 996 settled and nearly \$300,000 collected in penalties. California limits idling of commercial vehicles to no more than 5 minutes. For more on CARB's 2009 enforcement statistics, please see http://www.arb.ca.gov/enf/reports/2009_enf_rpt.pdf.

Idling Reduction Ordinance Proposed in Salt Lake City

In Salt Lake City, Utah, Mayor Ralph Becker has proposed an ordinance that would ban motor vehicles from idling for more than 2 minutes. A first offense would result in a warning; second and subsequent offenses would result in fines ranging from \$210 to \$410. Penalties paid within 10 days, however, would be reduced by \$110, and penalties paid within 20 days would be reduced by \$70. The proposed ordinance has a number of

exemptions, including the use of heaters, air conditioners, and other equipment needed for safety or health. Salt Lake City's Civil Enforcement Division would be responsible for enforcing the ordinance. The "public discussion draft" of the proposed ordinance can be found at <http://www.slcgov.com/opencityhall/>.

AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Baylor Trucking, Milan, Indiana	Indiana Department of Environmental Management (IDEM)	Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 53 battery-powered air-conditioning systems	Unknown
Celadon, Indianapolis, Indiana	IDEM	Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 345 diesel-fired bunk heating systems	Unknown
Crum Trucking, Batesville, Indiana	IDEM	Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 40 battery-powered APUs	Unknown
JAT, Fort Wayne, Indiana	IDEM	Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 48 thermal storage cooling systems	Unknown

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Primex Plastics, Richmond, Indiana	IDEM	Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of seven APUs	Unknown
Steel Dynamics, Pittsboro, Indiana	IDEM	Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of two automatic locomotive engine shutdown/restart systems	Unknown
Kansas City Southern Railway	Mid-America Regional Council (MARC)	Help fund the purchase and installation of automatic engine shutdown/startup devices on five locomotives	\$43,084
Washington Department of Ecology	U.S. Environmental Protection Agency (EPA)	Purchase and installation of engine preheater and cabin heaters on 230 public school buses at numerous school districts in Washington State	\$875,972

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Workshops Regarding Amendments to the Off-Road Regulation, the Truck and Bus Regulation, the Drayage Truck Regulation, and the Tractor-Trailer Regulation	Fresno (with live video feed to the Modesto and Bakersfield offices of the San Joaquin Valley Air Pollution Control District)	October 12, 2010	http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm
Green Fleet Conference 2010	San Diego, California	October 18–19, 2010	http://www.greenfleetconference.com/
National Clean Diesel Campaign Conference	Washington, D.C.	October 19–20, 2010	http://www.dieselforum.org/policy/retrofit/retrofit-events
Sustainable Shipping Conference	Miami, Florida	October 20–22, 2010	http://www.sustainablesipping.com/events/2010/miami/
Southeast Diesel Collaborative FY2011 Grant Application Workshop	Atlanta, Georgia	October 27, 2010	http://www.southeastdiesel.org/
Transportation Research Board (TRB) 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/

PARKING SPACES FOR TRUCKS

New York and California Shutter Rest Areas

The New York State Department of Transportation (NYSDOT) has announced the temporary closure of six rest areas. The closures, which are planned in response to budget pressures, involve rest stops on Interstates 81, 87, 88, and 90. NYSDOT Acting Commissioner Stanley Gee stated that the closures will save \$500,000 this fiscal year and \$1 million annually in subsequent years. Highway rest areas scheduled to be closed as of November 1 include Brewerton/Hastings (I-81 southbound) and Schodack (I-90 westbound). Rest areas at Lewis (I-87 northbound), Schroon Lake (I-87 northbound), Worcester (I-88 eastbound), and Wells Bridge (I-88 westbound) will be closed as of December 1. NYSDOT will continue operating 32 other rest areas. For more information, please see <https://www.nysdot.gov/news/press-releases/2010/2010-09-24> and

http://www.landlinemag.com/todays_news/Daily/2010/Sept10/092710/092710-05.htm.

In California, according to *Land Line*, the California Department of Transportation closed seven rest areas at the end of September because of budget shortfalls. The closed rest areas are: Brookside, Cactus City, and White Water (all on I-10); Clyde V. Kane and Valley Wells (both on I-15); and Desert Oasis and John Wilkie (both on I-40). More information is available at

http://www.landlinemag.com/todays_news/Daily/2010/Sept10/092710/092910-02.htm.

ELECTRIFIED PARKING SPACES

IdleAire Launches Four More Sites

According to the company's website, IdleAire has opened four more locations. The newest locations include Pilot Travel Center, Hurricane Mills, Tennessee; Pilot Travel Center, Orange, Texas; Sapp Brothers, Salt Lake City,

Utah; and Love's Travel Stops, El Paso, Texas. For more information, please see <http://www.idleaire.com/>.

OTHER NEWS OF INTEREST

Pilot Study: Off-Peak Truck Delivery Offers Advantages

A pilot study funded by the U.S. Department of Transportation (DOT) on the benefits of alternative delivery hours provides another angle on idling reduction. Working with Rensselaer Polytechnic Institute and a group of stakeholders, the New York City Department of Transportation (NYC DOT) concluded the Off-Hour Truck Delivery Pilot program earlier this year and has published a draft final report. During the study, which included 8 delivery companies and 25 business locations, truck deliveries were made between 7:00 p.m. and 6:00 a.m. Findings included reduced travel times,

with travel speeds up to 75% faster. Standing times were also sharply reduced; trucks spent an average of 30 minutes stopped at curbside for delivery, compared to an average of 100 minutes before the pilot. All participants saw savings during the 4-month pilot, according to NYC DOT. Off-peak hours and shorter delivery times reduced congestion and emissions and, presumably, idling. See http://www.nyc.gov/html/dot/html/pr2010/pr10_028.shtml and <http://www.transp.rpi.edu/~usdotp/projects/main.php> for more information.

NASCO Seeking Information on Idling Laws

North America's Corridor Coalition, Inc. (NASCO) is assessing the consistency of state trucking laws and regulations, including those regarding idling. The area being evaluated includes 1,500 miles of I-35, plus I-94 and I-29 branches to the Canadian border; the roads pass through the states of Texas, Oklahoma, Kansas, Missouri, Iowa, Nebraska, Illinois, Michigan, South

Dakota, and North Dakota. NASCO is interested in the possibility of seeking legislative or regulatory changes to harmonize the laws where it makes sense. If you have information to contribute, please contact Frank Conde at frank@NASCOCORRIDOR.COM.

Another Reason to Avoid Idling . . .

Depending on where you drive, idling an unattended vehicle might land you a ticket, or even jail time. One consequence probably *not* anticipated is an unintended trade for an emissions-free vehicle.

On September 11, in Schaumburg, Illinois, a motorist left his car running while stopping to pick up a pizza. When he left the pizza shop, he found not his 2003 Hyundai Sonata, but a blue bicycle. "It's unknown if there is a

correlation [between the bike and the car] or not. There is an assumption that someone rode up on a bike, and stole the car," Sgt. John Nebl said. About leaving an unattended car running, Sgt. Nebl said, "Don't do it, period." For more information, see <http://triblocal.com/schaumburg/2010/09/14/driver-leaves-car-running-returns-to-bike-in-its-place/>.

IDLING REDUCTION OUTREACH

The purpose of this new section is to highlight signs and other communication products that convey the importance of idling reduction. The images this month address idling reduction near schools. Left, sign courtesy of the Minnesota Pollution Control Agency ([http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/motor-vehicle-pollution/school-bus-retrofits-and-idle-](http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/motor-vehicle-pollution/school-bus-retrofits-and-idle-reduction.html?nav=0)

[reduction.html?nav=0](http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/motor-vehicle-pollution/school-bus-retrofits-and-idle-reduction.html?nav=0)); middle, a sign in front of Clinton Elementary School, Clinton, Massachusetts, courtesy of *Worcester Telegram & Gazette* (<http://www.telegram.com/article/20100907/NEWS/9070358/0/news06>); and right, a sticker from the East Toronto Climate Action Group, <http://www.etcag.org/>.



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	<i>Massachusetts</i>	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative

(Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4), <http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)

- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)

- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

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Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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National Idling Reduction Network News

August 2010

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	~\$539,376 (as of August 26, 2010)	First come, first served.	http://www.californiahvip.org
CARB	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$2 million	First come, first served.	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
Tennessee Department of Environment and Conservation	Idle Smart Program (rebates for the purchase of Auxiliary Power Units—APUs)	~\$1.73 million	First come, first served before September 30, 2010.	http://www.state.tn.us/environment/recovery/der.shtml
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/at-work/for-small-business/loan-programs
Minnesota Pollution Control Agency	Small Business APU Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
North Carolina Division of Air Quality	North Carolina State APU and 2010 Compliant Heavy-Duty Truck Rebate Program	\$225,000 (as of August 4, 2010)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Texas Clean Air Coalition	Annual Working for Clean Air Awards	N/A	September 3, 2010	http://www.workingforcleanair.org/
U.S. Department of Energy (DOE)	State Energy Program (SEP) Program Year 2010 Formula Award	\$25 million	September 30, 2010, depending on states' program-year cycle	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000308&agency=DOE
Indiana Department of Environmental Management	DieselWise Indiana (clean diesel projects)	\$750,000+	September 30, 2010	http://www.in.gov/idem/5255.htm
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2010	http://www.sae.org/news/awards/list/e2t/
New York State Energy Research and Development Authority (NYSERDA)	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php

REGULATORY NEWS

MBTA and MBCR Fined for Excessive Train Engine Idling

Excessive train idling has triggered a first-of-its-kind federal enforcement action. On August 4, 2010, the U.S. Department of Justice and the U.S. Environmental Protection Agency (EPA) lodged a consent decree against the Massachusetts Bay Transportation Authority (MBTA) and the Massachusetts Bay Commuter Railroad Company (MBCR). The complaint filed with the decree alleges that the MBTA and MBCR “violated the Clean Air Act, by causing, suffering, allowing, or permitting the unnecessary foreseeable idling of a diesel powered locomotive for a continuous period of time longer than thirty minutes, and not subject to the regulation’s exception.” Citizen complaints in early 2008 about excessive locomotive idling at the Widett Circle layover facility in South Boston and at the Greenbush line station in Scituate, Massachusetts, led to the initial EPA investigation.

To settle the enforcement action, MBTA and MBCR will install or upgrade electric plug-in stations to supply all commuter locomotives with electric auxiliary power (to prevent excessive idling during layovers); install less-polluting auxiliary engines on 14 commuter locomotives by no later than December 2012; switch to cleaner burning, ultra-low sulfur diesel fuel for all trains on the MBTA’s commuter rail lines for a 2-year period; and pay a \$225,000 fine.

According to the EPA, a reduction in commuter locomotive idling by even 1 hour per day per locomotive, combined with cleaner fuel and new engines, could result in yearly carbon dioxide emission reductions of an estimated 800 tons, nitrogen oxides reductions of nearly 170 tons, carbon

monoxide reductions of about 80 tons, particulate reductions of 23 tons, and sulfur dioxide reductions of 1–2 tons. More information is available at <http://yosemite.epa.gov/opa/admpress.nsf/0/b89a1cd70da60b968525777500615ce7?OpenDocument>

and <http://www.epa.gov/region1/enforcement/air/pdfs/CAA-MBTA-MBCR-Fact-Sheet.pdf>.

New York Passes 400-Pound Exemption Bill

On August 31, 2010, New York Governor David Patterson signed into law Bill A8300, which amends Section 385 of the Vehicle and Traffic Law. The weight of APUs and idle reduction devices (up to 400 pounds) will be

excluded from the calculation of the weight of heavy-duty vehicles. More information may be found at <http://open.nysenate.gov/legislation/bill/A8300>.

AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
City of Austin Transportation Department	Texas Commission on Environmental Quality (TCEQ)	APUs for 31 city vehicles designated for sign, markings, and signal maintenance	\$198,090
Kansas Department of Health and Environment	EPA	Help fund school bus upgrades, a construction repower and upgrade project, and the installation of APUs on eight trucks	\$233,218
Mississippi State University Center for Advanced Vehicular Systems	EPA	Installation of battery-powered air-conditioning systems on at least 101 trucks	\$1,083,595
Missouri Department of Natural Resources	EPA	Help fund vehicle replacements, the installation of diesel oxidation catalysts, and/or the installation of anti-idling technologies in school buses, trash trucks, concrete mixers, and switch engine locomotives, in Springfield, St. Louis, and Kansas City	\$1.8+ million
National School Transportation Association	EPA	Help fund five vehicle replacements and the installation of 45 fuel-operated heaters on school buses in two Missouri counties	\$362,642
Owner-Operator Independent Drivers Association	EPA	Help fund approximately 300 APUs for long-haul diesel trucks operating in EPA Regions 6 and 7	\$1 million
Passenger Vessel Association	EPA	Maritime emissions reduction projects for the Showboat Branson Belle in Branson, Missouri, including improvements to vehicle-to-shore connections to assist in idle reduction	~\$1.5 million

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Regional Air Quality Council — Colorado	EPA	Fuel efficiency and emission reduction projects, including the installation of APUs and fuel-operated bunk heaters, for public and private fleets	\$2.7 million

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Workshops Regarding Amendments to the Off-Road Regulation, the Truck and Bus Regulation, and the Drayage Truck Regulation	Central Valley — September 3, 2010 Sacramento — September 7, 2010 (also webcast) Oakland — September 8, 2010		http://www.arb.ca.gov/msprog/mailouts/msc1034/msc1034.pdf
Fuel Economy and Idle Reduction Workshop (Clean Transportation Education Project — NC Solar Center at North Carolina State University)	Burlington, Vermont	September 7, 2010	http://www.ncsc.ncsu.edu/cleantransportation/altfueled/
Clean Diesel Workshop: Federal Funding for Diesel Retrofit Projects	Macon, Georgia	September 9, 2010	Contact Rebecca Watts Hull at (678) 244-1121
15th International Union of Air Pollution Prevention and Environmental Protection Associations' (IUAPPA) World Clean Air Congress	Vancouver, Canada	September 11–16, 2010	http://www.iuappa2010.com/
16th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	September 27–30, 2010	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
National Center for Vehicle Emissions Control and Safety (NCVECS) 26th Clean Air Conference	Breckenridge, Colorado	September 27–30, 2010	http://www.ncvecs.colostate.edu/conference/default.aspx
Hybrid Truck Users Forum (HTUF) National Conference 2010	Dearborn, Michigan	September 28–30, 2010	http://www.calstart.org/Homepage.aspx
West Coast Collaborative Partners Meeting	San Francisco, California	September 29–30, 2010	http://jpgroup-associates.com/wcc/meeting.htm
Society of Automotive Engineers Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 5–6, 2010	http://www.sae.org/events/cve/
Green Fleet Conference 2010	San Diego, California	October 18–19, 2010	http://www.greenfleetconference.com/
National Clean Diesel Campaign Conference	Washington, D.C.	October 19–20, 2010	http://www.dieselforum.org/policy/retrofit/retr ofit-events

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Sustainable Shipping Conference	Miami, Florida	October 20–22, 2010	http://www.sustainablesshipping.com/events/2010/miami/
Southeast Diesel Collaborative FY2011 Grant Application Workshop	Atlanta, Georgia	October 27, 2010	http://www.southeastdiesel.org/
Transportation Research Board (TRB) 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Clean Cities and Alternative Fuels and Advanced Vehicles Data Center (AFDC)	Tools and Resources for Petroleum Reduction in the Transportation Sector	http://www1.eere.energy.gov/wip/webinar_20100728.html
Institute for Transportation, Iowa State University	In-Use Fuel Economy and Emission Benefits of Hybrid-Electric School Buses In Iowa	http://www.intrans.iastate.edu/reports/Hallmark_hybridbus_report.pdf
Oregon Department of Environmental Quality	Improving Truck Efficiency and Reducing Idling (draft final report)	http://www.deq.state.or.us/eq/committees/TruckEfficiencyStudyGrp.htm (comments are being accepted until 12:00 PDT on September 7, 2010)

ELECTRIFIED PARKING SPACES

Resurrected IdleAire Reopens 10 Sites

IdleAire, which filed for Chapter 11 bankruptcy in 2008, closed in January 2010, and was subsequently bought by Convoy Solutions, has announced that 10 sites are again operational. As of August 27, IdleAire had opened four sites in Texas (Baytown, El Paso, Fort Worth, and Laredo), two sites in California (Madera and Ripon), two sites in Arkansas (Benton and West Memphis), and one site each in Georgia (Newnan) and Illinois (East

St. Louis). According to the company's website, basic service is \$1.99/hour, and more sites are scheduled to open soon. For more information, please see <http://www.idleaire.com/> and http://www.landlinemag.com/todays_news/Daily/2010/Aug10/082310/082610-04.htm.

Locations Chosen for Shorepower TSE Installations in Arizona

The Arizona Department of Environmental Quality (ADEQ) has announced that two sites in southeastern Arizona have been chosen for truck stop electrification (TSE) projects. Shorepower Technologies, which received \$1.7 million in American Recovery and Reinvestment Act (ARRA) funds earlier this year, will install the technology. The sites, located in Cochise County off Interstate 10, will include at least 60 units in Benson (Gas City truck stop), and 30 units in San Simon (Sunmart truck stop). Groundbreaking

for the two projects is expected to occur in mid-September; the units, which will provide both heating and cooling to resting truck drivers, are expected to be in operation by mid-October. According to ADEQ, the cost of electricity is projected to be less than half of the cost of idling a diesel engine to power a cab's climate-control system. More information is available at <http://www.azdeq.gov/function/news/2010/aug.html#080910>.

OTHER NEWS OF INTEREST

ARRA Funds Support Idle Reduction in Nevada

With the help of \$700,000 from a DOE Energy Efficiency and Conservation Block Grant (EECBG), the Las Vegas Metropolitan Police Department, the Nevada Highway Patrol, the City of Henderson Police Department, and the Washoe County Sheriff's Office will outfit 175 vehicles with idle reduction units. The funding comes from a \$9.6 million EECBG ARRA award to the Nevada State Office of Energy.

According to manufacturer EnergyXtreme, the Independence Package power cell can run a police vehicle's electrical components (e.g., lights, radio and computer) for at least 4 hours without the use of the main engine. In addition, the unit recharges while the vehicle is being driven. More information is available at

<http://www.nevadanewsbulletin.com/2010/07/16/nevada-law-enforcement-agencies-to-install-new-vehicle-technology-to-save-money-cut-air-pollution/> and <http://www.independencepackage.com/>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The AFDC of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4),

<http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean

Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/grants.htm>.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idle-reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- **Hotstart** (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 12 states. CabAire, EnviroDock, IdleAire, and Shorepower Technologies

installations are listed at

http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users

locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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National Idling Reduction Network News

July 2010

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$9.8 million	First come, first served.	http://www.californiahvip.org
CARB	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	www.cvrp.energycenter.org
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$2 million	First come, first served.	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
Tennessee Department of Environment and Conservation	Idle Smart Program (rebates for the purchase of Auxiliary Power Units—APUs)	~\$1.73 million	First come, first served before September 30, 2010.	http://www.state.tn.us/environment/recovery/der.shtml
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbliip.htm
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/m-sc/diesel_emission.htm
Minnesota Pollution Control Agency	Small Business APU Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sb_omb_loan.html#evaluation
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org

National Idling Reduction Network News

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Carolina Division of Air Quality	North Carolina State APU and 2010 Compliant Heavy-Duty Truck Rebate Program	\$237, 643 (as of July 7, 2010)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/
North Carolina Energy Office	State Energy Program – Alternative Fuel and Advanced Vehicle Technology Funding Opportunity	~ \$3.5 million	August 11, 2010	www.energync.net
U.S. Department of Transportation (DOT)	Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER-II)	\$75 million	August 11, 2010	http://www.grants.gov/search/search.do?mode=VIEW&oppld=54280
The Texas Commission on Environmental Quality	Emissions Reduction Incentive Grants	Indeterminate	August 13, 2010	http://www.tceq.state.tx.us/implementation/air/terp/erig_apps.html
New York State Energy Research and Development Authority (NYSERDA)	Advanced Transportation Technologies Program	\$3 million	August 19, 2010	http://www.nyserda.org/funding/2045pon.asp
Mid-America Regional Council (MARC)	FY 2011–2012 Congestion Mitigation and Air Quality (CMAQ) Program	Kansas, \$3.5 million; Missouri, \$2.5 million	August 20, 2010	http://www.marc.org/transportation/cmaq/2011call/
NYSERDA	Low Carbon Transportation Alternatives: Pathways to Energy Efficiency, Enhanced Economics, Sustainability and Livability	\$1.5 million	August 25, 2010	http://www.nyserda.org/funding/2078pon.asp
North Carolina Energy Office	Energy Efficiency and Conservation Block Grant Program – Transportation	~ \$2.5 million	August 27, 2010	www.energync.net
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
U.S. Department of Energy (DOE)	State Energy Program (SEP) Program Year 2010 Formula Award	\$25 million	September 30, 2010, depending on states' program-year cycle	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000308&agency=DOE
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

North Carolina Curbs Truck Idling

North Carolina's Environmental Management Commission has adopted a rule to reduce unnecessary idling of heavy-duty trucks. Operators of on-road gasoline and diesel-powered vehicles with a loaded weight greater than 10,000 pounds may not idle their vehicles more than 5 consecutive minutes in any 60-minute period. There are a number of exceptions, one of which is for an occupied sleeper berth compartment. Trucks may idle for the purpose of providing the driver with air conditioning or heating during federally mandated rest or sleep periods, but this exemption will expire on May 1, 2011.

Heavy-duty vehicles located in a queue area are not exempted from the new rule.

In addition to the idling rule, the state's Division of Air Quality is instituting a public awareness campaign to promote voluntary idling reduction of all vehicles. As part of that effort, the agency is distributing free signs that urge drivers to reduce idling at schools and other areas. More information about the campaign can be found at www.ncair.org/motor/idle. The text of the idling rule may be found at <http://www.ncair.org/rules/idle/>.

Rhode Island Tackles Construction-Related Emissions

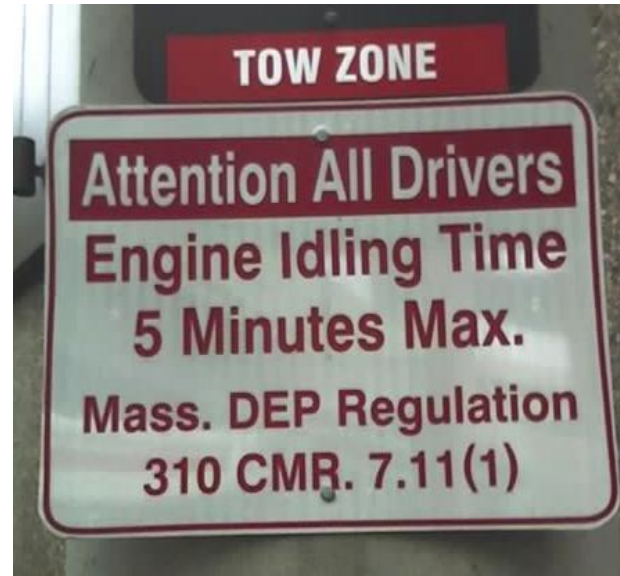
Rhode Island has toughened emissions standards for heavy-duty diesel vehicles operating in association with public works. Effective immediately, any solicitation for a public works contract with the state (and any contract entered into as a result of such solicitation) requires that such vehicles idle for no more than 5 minutes, except in cases where the engine must idle to perform normal operations. The law has a number of other requirements,

including the use of ultra-low-sulfur diesel fuel for onroad and nonroad heavy-duty diesel vehicles, as well as generators. To minimize the effect of diesel emissions on public health, the law also requires vehicles to use staging areas unless doing so increases the cost of the project. For more information, please click on <http://www.rilin.state.ri.us/news/pr1.asp?prid=6606>.

EPA Fines National Car Rental

Repeated idling violations at two airports—Logan International in Boston, Massachusetts, and Bradley International near Hartford, Connecticut—have caught up with several companies affiliated with National Car Rental. A fine of \$475,000 will be levied pending court approval.

In 2006 and 2007, U.S. Environmental Protection Agency (EPA) Region 1 investigators observed numerous instances of excessive idling of the shuttle buses that carry passengers from the airport terminal to the rental car areas. At the time, Vanguard Car Rental USA operated the National Car Rental facilities at both airports. Since taking over from Vanguard in mid-2007, Enterprise Rent-A-Car Company of Boston, LLC, and CAMRAC, LLC, have taken steps—including posting no-idling signs, installing electronic idling controls, and retraining drivers—to address excessive idling at the facilities. For more information, please see <http://yosemite.epa.gov/opa/admpress.nsf/0/c4956a747729835085257765005f91c0?OpenDocument>. (Photo by Terry Levinson)



AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
City of Los Angeles Harbor Department, Port of Los Angeles	EPA	Replacement of a conventional diesel generator on a rubber tire gantry crane used to handle cargo at the Port of Los Angeles with EcoPower Hybrid Systems Inc.'s EcoCrane Hybrid system (the technology uses a lower horsepower, higher efficiency generator certified at Tier 3 with a battery pack to help reduce idling time)	\$731,298
Cobb County School District, Georgia	EPA	Emission reduction projects, including the retrofit of 480 buses with engine start-up/shut-off idle control systems	\$1,240,275
County of Erie, New York	NYSERDA	The implementation of idling reduction measures in Department of Public Works vehicles	\$192,000
Harbor Development Commission, New Bedford, Massachusetts	EPA	Installation of 16 shoreside electric power pedestals and award of up to 100 rebates to partially offset the cost of purchasing and installing equipment on board fishing vessels to accept shoreside power	\$1 million

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Intelligent Imaging Systems, Edmonton, Alberta, Canada	NYSERDA	Installation of a Smart Roadside Inspection System (I-90, Rensselaer County, New York) to reduce tractor-trailer idling and good-driver downtime	\$373,490
New West Technologies, Utica, New York	NYSERDA	Provision of power pedestals to support 30 electric and hybrid-electric refrigerated tractor-trailers at 12 distribution centers and retail food locations throughout New York State	\$469,523
North Central Texas Council of Governments (NCTCOG)	EPA	Idling reduction measures for school buses and heavy-duty diesel engines and other emission reduction projects	\$1.5 million
Northeast States for Coordinated Air Use Management (NESCAUM)	EPA	Installation of APUs on 29 regional freight locomotives operating in Connecticut, Massachusetts, New Hampshire, and Vermont	\$850,000
Port of Corpus Christi Authority, Texas	EPA	Repower of a 120-ton switch engine locomotive and two industrial diesel engines with idling reduction, fuel efficiency, and particulate filtering technologies	\$1,026,058
South Coast Air Quality Management District, Port of Long Beach, California	EPA	Installation of Advanced Cleanup Technologies, Inc's Advanced Maritime Emission Control System (to capture and treat exhaust)	\$1.5 million

Respiratory Health Association of Metropolitan Chicago Receives Award

On June 30, 2010, the EPA Midwest Clean Diesel Initiative Leadership Group presented an award to the Respiratory Health Association of Metropolitan Chicago for organizing and chairing the Illinois Campaign to Clean Up Diesel Pollution group. The Association's projects include development of idle reduction ordinances at the state and local level; support and advocacy for funding of clean diesel projects through CMAQ funds; and working closely

with the Illinois EPA to implement more than 100 successful clean diesel projects throughout the state. For more, including information on the other winners, please see <http://yosemite.epa.gov/opa/admpress.nsf/a5792a626c8dac098525735900400c2d/943b65f871cefb1685257753006b92bf!OpenDocument>.

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Idle Reduction: Regulations and Technology Solutions (The San Francisco Clean Cities Coalition, in partnership with Energy Xtreme)	San Francisco, California	August 4, 2010	http://idlereduction.eventbrite.com/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
2010 Advancing the Choice: Delivering Success (NCTCOG and the Dallas-Fort Worth Clean Cities Coalition)	Grand Prairie, Texas	August 11, 2010	http://www.nctcog.org/trans/clean/cities/index.asp
Fuel Economy and Idle Reduction Workshop (Clean Transportation Education Project—NC Solar Center at North Carolina State University)	Burlington, Vermont	September 7, 2010	http://www.ncsc.ncsu.edu/cleantransportation/altfuelued/
15th International Union of Air Pollution Prevention and Environmental Protection Associations' (IUAPPA) World Clean Air Congress	Vancouver, Canada	September 11–16, 2010	http://www.iuappa2010.com/
16th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	September 27–30, 2010	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
National Center for Vehicle Emissions Control and Safety (NCVECS) 26th Clean Air Conference	Breckenridge, Colorado	September 27–30, 2010	http://www.ncvecs.colostate.edu/conference/Default.aspx
Hybrid Truck Users Forum (HTUF) National Conference 2010	Dearborn, Michigan	September 28–30, 2010	http://www.calstart.org/Homepage.aspx
West Coast Collaborative Partners Meeting	San Francisco, California	September 29–30, 2010	http://jpgroup-associates.com/wcc/meeting.htm
Society of Automotive Engineers Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 5–6, 2010	http://www.sae.org/events/cve/
National Clean Diesel Campaign Conference	Washington, D.C.	October 19–20, 2010	http://www.cleandiesel10.com/
Sustainable Shipping Conference	Miami, Florida	October 20–22, 2010	http://www.sustainablesipping.com/events/2010/miami/
Transportation Research Board (TRB) 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
American Association of Port Authorities (AAPA)/EPA	National Clean Diesel Campaign: Clean Ports USA	http://www.aapa-ports.org/Programs/PastDetail.cfm?itemnumber=17408 (scroll down to Clean Ports USA under Goods Movement Electrification and Technologies)

PARKING SPACES FOR TRUCKS

\$6 Million Allocated to Five States for Truck Parking

DOT has made \$6 million available to five states to ease truck parking shortages on highways. The Truck Parking Facilities pilot program, which is part of SAFETEA-LU (Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users), seeks to add parking capacity and develop better ways to provide updated information about space availability to truck drivers on heavily traveled freight corridors. The interstates that will benefit

include Pennsylvania's I-81 (\$2.1 million), Mississippi's I-10 (\$2.1 million), Tennessee's I-40 (\$800,000), Oregon's I-5 (\$480,000), and Utah's I-15 (\$545,000). For more information, please see <http://www.thetrucker.com/News/Stories/2010/6/28/DOTreleasesfundstoaddressparkingshortagesfortruckersinfivestates.aspx> and <http://www.fhwa.dot.gov/pressroom/dot10121.htm>.

CabAire Increases TSE Presence in the East

Delaware's Interstate 95 now boasts a 40,000+ square-foot travel plaza equipped with 50 CabAire truck stop electrification (TSE) stations. Use of CabAire installations was free for the first month, after which the hourly fee will be no more than the cost of a gallon of diesel fuel. In Delaware, heavy-duty vehicles may idle for no more than 3 consecutive minutes, except when the outside temperature is 32°F or less. Fines for violating the idling law range from \$50 to \$500.

Meanwhile, in New Haven, Connecticut, ground has been broken for a CabAire TSE site. In partnership with the New Haven Port Authority, the

City of New Haven is constructing a 14-space TSE site that will provide heating, cooling, and electrical hookups to trucks awaiting access to port terminals. The project was made possible by a \$380,256 grant from the American Recovery and Reinvestment Act (ARRA) by the EPA through the Connecticut Department of Environmental Protection.

The links <http://governor.delaware.gov/news/2010/1006june/20100618-welcomecenter.shtml> and <http://www.cityofnewhaven.com/sustainability/ReadMore.asp?ID={3F931DEE-82EF-4D15-B0FB-2E88A0011529}> provide more information.

Arizona Reopens Five Rest Areas

The Arizona Department of Transportation (ADOT) has reopened 5 of the 13 rest areas that were closed late in 2009 in response to budget shortfalls. The reopened rest stops include: Ehrenberg (I-10), Canoa Ranch (I-19), Meteor Crater (I-40), Sacaton (I-10), and San Simon (I-10). Another four are scheduled to open in the fall after repairs have been made. ADOT states that it has sufficient funds in its new budget for annual maintenance costs, which run about \$320,000 for each location.

ADOT Director John Halikowski said, "We still need long-term, sustainable solutions to pay for rest areas and will pursue changes in federal law to allow Arizona to find partnerships and private investment in rest areas to make good use of the limited highway maintenance funds we have." The links <http://azdot.gov/CCPartnerships/News/NRel2565.asp> and http://www.landlinemag.com/todays_news/Daily/2010/July10/072610/072710-06.htm contain more information.

Virginia Studies Long-Term Solution for Rest Area Funding

The Commonwealth of Virginia has reopened the rest stops that had been closed for budgetary reasons. The Virginia Department of Transportation (VDOT) is now using money from its maintenance program to provide services; however, a long-term solution is necessary so that truckers and other travelers have a place to rest. VDOT is now looking into four pathways to keeping the rest stops open:

- Reducing contracting costs at all rest areas and welcome centers;

- Attracting private sponsors to pay for signage, interior advertising space, and vending;
- Using transportation stimulus grants to develop partnerships with tourism entities along Virginia's highways; and
- Directing the Virginia Transportation Research Council (VTRC) to study other options for supporting all or some of these sites.

Please see <http://www.governor.virginia.gov/news/viewRelease.cfm?id=226> for more information.

RAILROADS

Stimulus Money Helps Minnesota Locomotives Run Cleaner

Using part of a \$3 million EPA stimulus grant awarded last summer, the Minnesota Environmental Initiative funded the installation of APUs on two Twin Cities & Western Railroad Company locomotives. Train engines idle for a number of reasons, including the need to prevent oil and fuel from freezing; APUs provide an alternative to running the main locomotive engine for "hotel load."

The locomotives were retrofit at a cost of about \$70,000. Because of the EPA grant, it will not take years for the railroad to recover the cost of implementing the technology. According to a report by Minnesota Public Radio, the new APU can keep the engine warm by using just a half gallon of fuel per hour, compared to the 4–12 gallons used per hour by a locomotive engine. For more information, please see

<http://minnesota.publicradio.org/display/web/2010/06/09/diesel-idle/>.

(Photo: Jack Anderson, director of locomotives for Twin Cities & Western Railroad Company, stands next to one of the newly installed APUs. Photo by Elizabeth Dunbar, Minnesota Public Radio NewsQ.org)



OTHER NEWS OF INTEREST

Metro D.C. Kicks Off Summer Idling Reduction Campaign

The Metropolitan Washington, D.C., Council of Governments, in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment, has launched an idling reduction campaign to:

- Increase idle reduction awareness and control diesel emissions from motor coaches, transit buses, and heavy trucks.
- Promote idle-reduction as a positive behavior that helps bus and truck drivers to avoid fines, save money, and cut fuel costs.
- Improve public health, protect the environment, and enhance the quality of life for residents and visitors to our Nation's Capital and the Baltimore region.

Bus and trucking associations and their member companies are actively supporting the idling reduction campaign, including:

- American Bus Association
- United Motor Coach Association
- American Trucking Associations
- Diesel Technology Forum
- Maryland Motor Truck Association
- National Association of Truckstop Operators
- National Private Truck Council
- Owner-Operator Independent Drivers Association
- Truckload Carriers Association
- Virginia Trucking Association

Participating associations are reaching out to member bus and truck companies, encouraging them to inform their drivers about the idling reduction campaign and its positive benefits. More information will be available at <http://www.turnyourengineoff.org> as the campaign goes on.

MAX. IDLE TIMES:



Fines:
\$1000

Exemptions:

- 5 min. for temperatures below 32°F
- Power takeoff



Fines:
up to \$500

Exemptions:

- Traffic conditions or mechanical difficulties
- Heating, cooling, or auxiliary equipment



Fines:
up to \$25,000

Exemptions:

- Auxiliary power

Drink Up, Go Green

One California winery is allowing its customers to “go green” when they order wine for shipment. The Clif Family Winery now offers its customers an option of paying an additional 25 cents per bottle to offset the CO₂ emissions produced by packing and shipping the wine. Money collected for this purpose will go to NativeEnergy, which turns the money over to its partner, Cascade Sierra Solutions (CSS). CSS offers truckers EPA SmartWay

options such as APUs. Wine drinkers may now enjoy the fruit of the vine while contributing to an improved environment. More information is available at

<http://lifestyletom.com/path/rao10925685607ros/roin59012416842> and http://www.csrwire.com/press_releases/19438-NativeEnergy-Partners-with-Cascade-Sierra-Solutions-.

ATRI Updates Compendium of Idling Regulations

The American Transportation Research Institute (ATRI) has updated its list of state and local idling regulations. The updated listing is provided as both a cab card, which can be downloaded and carried in the glove box of a truck, and an online compendium, which provides links to individual regulations.

Updates include new information on idling limits in Illinois (including Chicago); Detroit, Michigan; New Jersey; North Carolina; Cleveland, Maple Heights, South Maple Heights, and South Euclid, Ohio; and West Virginia. Please see <http://www.atri-online.org/>; the link is on the lower left of the home page.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The DOE/EERE Alternative Fuels and Advanced Vehicles Data Center (AFDC) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA’s SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE's Clean Cities program provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at

http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see www.northeastdiesel.org/funding.htm; Mid-Atlantic Diesel Collaborative (Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest Clean Diesel Initiative (Region 5), www.epa.gov/midwestcleandiesel/grants/index.html;

Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/grants.htm.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (http://www.autothermusa.com/idle_calc.html)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/idling/idling_impact-workplace.cfm?attr=16)
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at

least six states. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator: afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific

fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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National Idling Reduction Network News

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$9.8 million	First come, first served.	http://www.californiahvip.org
CARB	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	www.cvrp.energycenter.org
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$2 million	First come, first served.	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
Tennessee Department of Environment and Conservation	Idle Smart Program (rebates for the purchase of Auxiliary Power Units–APUs)	~\$1.73 million	First come, first served before September 30, 2010.	http://www.state.tn.us/environment/recovery/der.shtml
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbllp.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/mssc/diesel_emission.htm
Minnesota Pollution Control Agency	Small Business APU Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sb_omb_loan.html#evaluation
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Wisconsin Department of Commerce	State Energy Program – Recovery Act (SEP-ARRA) — Clean Energy Business Loan Program	\$55 million	Rolling deadline until funds are awarded.	http://commerce.wi.gov/BD/BD-SEP-ARRA.html
North Carolina Division of Air Quality	North Carolina State APU and 2010 Compliant Heavy-Duty Truck Rebate Program	\$265,018 (as of May 19, 2010)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/
U.S. Department of Energy (DOE)	State Energy Program (SEP) Program Year 2010 Formula Award	\$25 million	July 1 or September 30, 2010, depending on states' program-year cycle	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000308&agency=DOE
North Central Texas Council of Governments (NCTCOG)	Clean Fleets North Texas (electric or natural gas infrastructure for governmental entities)	\$2.5 million	July 23, 2010	http://www.nctcog.org/trans/air/vehicles/investments/funding/index.asp
U.S. Environmental Protection Agency (EPA)	Climate Showcase Communities	\$10 million	July 26, 2010	http://www.epa.gov/statelocalclimate/local/showcase
Conserve Nova Scotia	Nova Scotia Class 8 Trucking Energy Efficiency Incentive Program	Can\$1 million	July 30, 2010	http://www.apta.ca/
U.S. Department of Transportation (DOT)	Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER-II)	\$75 million	August 11, 2010	http://www.grants.gov/search/search.do?mode=VIEW&oppld=54280
The Texas Commission on Environmental Quality	Emissions Reduction Incentive Grants	Indeterminate	August 13, 2010	http://www.tceq.state.tx.us/implementation/air/terp/erig_apps.html
New York State Energy Research and Development Authority (NYSERDA)	Low Carbon Transportation Alternatives: Pathways to Energy Efficiency, Enhanced Economics, Sustainability and Livability	\$1.5 million	August 25, 2010	http://www.nyserda.org/funding/2078pon.asp
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/Application

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

400-Pound Exemption Momentum Continues in the South

On May 24, 2010, Georgia Governor Sonny Perdue signed House Bill 1174 (Act 460) into law. Effective July 1, 2010, the law permits trucks equipped with idling reduction technology to weigh up to an additional 400 pounds; http://www.legis.state.ga.us/legis/2009_10/sum/hb1174.htm provides a link to the text of the bill.

In Florida, on June 4, Governor Charles Crist signed transportation bill HB 1271 into law. One component of the broad transportation bill permits trucks equipped with APUs to weigh an additional 400 pounds. This law also takes effect on July 1. Please see http://www.flsenate.gov/Session/index.cfm?Mode=Bills&SubMenu=1&Tab=session&BI_Mode=ViewBillInfo&BillNum=1271&Chamber=House&Year=2010 for the text of the bill.

Toronto City Council Votes To Toughen Idling Restriction

At its June 8–9, 2010 meeting, the Toronto City Council voted to amend the city's idling bylaw, reducing the allowed vehicle idling time from 3 minutes to 1 minute. In its revision to a bylaw that's been in place for more than 10 years, the Council also voted to eliminate the exemption for Toronto Transit Commission (TTC) buses, which permitted buses to idle for 15 minutes at stopovers and layovers in any 1-hour period. The exemption for extreme temperatures was also dropped.

According to the *Toronto Star*, Adam Giambrone, the TTC's chair, stated, "Officially we will work with the city in order for the TTC to respect the

intent of the bylaw." Giambrone also said that the new restriction will be a hardship for the TTC because, before being shut off, turbo engines need to idle for about 3 minutes to cool down.

For more information, please see <http://www.thestar.com/news/gta/ttc/article/822054--ttc-wrestling-with-new-anti-idling-rule>. The specifics of the City Council decision may be found at <http://www.toronto.ca/legdocs/mmis/2010/cc/decisions/2010-06-08-cc50-dd.htm> (scroll down to Improving Toronto's Idling Control By-law).

AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Houston Advanced Research Center	EPA	Installation of APUs and the provision of educational training and outreach to fleet operators to reduce diesel emissions	\$496,627
Missoula Metropolitan Planning Organization (Montana)	EPA	Installation of APUs on 34 Montana Rail Link locomotives	\$1.13 million
Missouri Department of Natural Resources (MDNR)	EPA	Missouri Green Fleet Project	\$1,872,739
Mid-America Regional Council	MDNR (subaward of Missouri Green Fleet Project)	The retrofit of 169 school buses with fuel-operated heaters, the retrofit of three switch engine locomotives with APUs and automatic engine shutdown/startup devices, and the replacement of one school bus	\$611,394
Ozark Center for Sustainable Solutions at Drury University	MDNR (subaward of Missouri Green Fleet Project)	Various emission-reduction projects, including the retrofit of 118 school buses with fuel-operated heaters or diesel oxidation catalysts	\$739,200
St. Louis Regional Clean Cities	MDNR (subaward of Missouri Green Fleet Project)	The retrofit of 197 school buses with fuel-operated heaters	\$477,800
ShorePower	Maryland Energy Administration	Installation of 249 truck stop electrification (TSE) units in Baltimore, Elkton, and Jessup, Maryland	\$498,000

North Carolina Solar Center Recognized

At the Mobilizing North Carolina Conference in Raleigh, North Carolina, U.S. EPA Acting Air, Pesticides, and Toxics Management Division Director Ken Lapierre presented the North Carolina Solar Center at North Carolina State University with the Leadership Award. Given on behalf of the Southeast Diesel Collaborative, the award recognizes the Center for demonstrating exemplary leadership through the implementation of

a subaward program to reduce transportation-related emissions. With \$1.6 million, the Center funded numerous diesel emission reduction projects, including 24 TSE spaces. Please see <http://yosemite.epa.gov/opa/admpress.nsf/d0cf6618525a9efb85257359003fb69d/cfaaec619ca4a9068525772f006befb9!OpenDocument> for more information.

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Idle Reduction: Regulations and Technology Solutions (The San Francisco Clean Cities Coalition, in partnership with Energy Xtreme)	San Francisco, California	August 4, 2010	http://idlereduction.eventbrite.com/
2010 Advancing the Choice: Delivering Success (NCTCOG and the Dallas-Fort Worth Clean Cities Coalition)	Grand Prairie, Texas	August 11, 2010	http://www.nctcog.org/trans/clean/cities/index.asp
Fuel Economy and Idle Reduction Workshop (Clean Transportation Education Project—NC Solar Center at North Carolina State University)	Burlington, Vermont	September 7, 2010	http://www.ncsc.ncsu.edu/cleantransportation/altfueled/
15th International Union of Air Pollution Prevention and Environmental Protection Associations' (IUAPPA) World Clean Air Congress	Vancouver, Canada	September 11–16, 2010	http://www.iuappa2010.com/
16th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	September 27–30, 2010	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
National Center for Vehicle Emissions Control and Safety (NCVECS) 26th Clean Air Conference	Breckenridge, Colorado	September 27–30, 2010	http://www.ncvecs.colostate.edu/conference/Default.aspx
Hybrid Truck Users Forum (HTUF) National Conference 2010	Dearborn, Michigan	September 28–30, 2010	http://www.calstart.org/Homepage.aspx
West Coast Collaborative Partners Meeting	San Francisco, California	September 29–30, 2010	http://jpgroup-associates.com/wcc/meeting.htm
SAE Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 5–6, 2010	http://www.sae.org/events/cve/
National Clean Diesel Campaign Conference	Washington, D.C.	October 19–20, 2010	http://www.dieselforum.org/policy/retrofit/retrofit-events
Sustainable Shipping Conference	Miami, Florida	October 20–22, 2010	http://www.sustainablesipping.com/events/2010/miami/
Transportation Research Board (TRB) 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx

MANUFACTURERS' NEWS

Thermo King Offers Rebates

Through September 30, 2010, Thermo King, a manufacturer of transport temperature-control systems, is offering rebates through participating dealerships. Questions about the rebate program can be directed to local

Thermo King dealers. To find a dealer, please visit www.thermoking.com and click on the "dealer locator" link.

Thermo King Partners with Dean Foods for Electric Refrigerated Transport

Thermo King has developed a new prototype truck refrigeration system in collaboration with Dean Foods, one of the nation's largest refrigerated transportation fleets. The electricity-powered refrigeration units replace traditional models that rely on a separate diesel-powered engine for cooling. The new system operates on electricity both while the vehicle is being driven and while it is parked, eliminating the need for an independent engine in the refrigeration unit. Additionally, the unit is less noisy than conventional units.

Dean Foods seeks to achieve at least a 50-percent savings in diesel fuel by using the system over the long term. "Innovations that eliminate the use of diesel fuel, which is a major expenditure and our second largest source of emissions, drive cost savings to our business that benefit the environment," said Harrauld Kroeker, president of Dean Foods' Fresh Dairy Direct business unit. For more information, please see <http://www.deanfoods.com/our-company/news/press-release.aspx?StoryID=1440378>. (Photo courtesy of Thermo King)



New Idle Reduction Option for Utility Vehicles

Energy Xtreme (Austin, Texas) has introduced a technology that powers a utility vehicle's electrical components without the use of the main engine. The Independence Package Utility Series recharges while the vehicle is in operation and can provide engine ignition power if the engine battery dies. Built-in outlets provide mobile electric power for tools and other equipment. An option that combines the Utility Series with an Espar heater

to power a vehicle's entire electrical load and heating unit is also available.

Please see

http://www.energyxtreme.net/main/index.php?option=com_content&view=article&id=193:idle-reduction-technology-provides-fleets-with-maintenance-and-emission-free-mobile-electric-power&catid=1:news-latest&Itemid=54 for more information.

ELECTRIFIED PARKING SPACES

TSE Locations Open in North Carolina and Pennsylvania

On June 4, 2010, the Pennsylvania Turnpike Commission had a ribbon-cutting ceremony to mark the opening of a TSE facility at its New Stanton Service Plaza, one of the busiest truck corridors on the Turnpike. The TSE units, developed by CabAire, LLC (Enfield, Connecticut), will help truck drivers comply with the state's no-idling law. (The sleeper berth idling exemption expired on May 1, 2010). According to the Pennsylvania Turnpike Commission, the hourly cost to use a TSE module will be about the same as the cost of a gallon of diesel fuel. Funding was provided by the Pennsylvania Department of Environmental Protection (DEP) via a State Clean Diesel Grant through an allocation from the American Recovery and Reinvestment Act (ARRA) through the U.S. EPA.

In Salisbury, North Carolina, the long-planned TSE site at the Derrick Travel Center opened on June 18, 2010. More than 5 years in development, the

44-space project was made possible through funding and support from the U.S. EPA, the Cabarrus Rowan Metropolitan Planning Organization, North Carolina Department of Transportation, and Rowan County. The Centralina Council of Governments and the Centralina Clean Fuels Coalition provided grant oversight. The CabAire TSE system provides truck drivers with heating, air conditioning, Internet and cable TV access, and electrical power. More information is available at

<http://www.salisburypost.com/Environment/Derrick-Truck-Plaza-Electrification-Celebrated-at-Grand-Opening>. For a short video on the project, please see http://charlotte.news14.com/content/local_news/charlotte/627285/electric-towers-let-truck-drivers-avoid-dangerous-fumes. Sources: Joe Tario, NYSERDA, and Emily Parker, Centralina Clean Fuels Coalition

Florida Chooses JR Enterprises for TSE Project

The Florida Department of Environmental Protection (DEP) and the Florida DOT have announced the selection of JR Enterprises South, LLC, for the

construction, operation, and maintenance of a TSE project at two service plazas (Okahumpka and Canoe Creek) on Florida's Turnpike. In February

2010, Florida's Turnpike Enterprise was awarded a \$480,000 grant from the State Clean Diesel Grant program under ARRA from the EPA through an agreement with the DEP. JR Enterprises will operate and maintain 20 TSE

units at each of the service plazas. Construction is scheduled to be complete by August 31, 2010. For more information, please see http://www.dep.state.fl.us/secretary/news/2010/06/0603_01.htm.

OTHER NEWS OF INTEREST

Regional Diesel Idle Reduction Campaign Kicks Off

On July 13, the Metropolitan Washington Council of Governments, in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment, will launch a campaign in the Washington, D.C., Metro area to promote idle reduction as a way for bus and truck drivers to reduce fuel

costs, avoid fines, and help improve public health. For more information, including a list of the truck and bus companies and associations supporting the campaign, please go to <http://www.prnewswire.com/news-releases/regional-diesel-idle-reduction-campaign-supported-by-truck-bus-sectors-to-begin-in-july-97063134.html>.

Vermont Idle-Free Fleets Campaign

The American Lung Association's Vermont Idle-Free Fleets campaign is now underway. Covering Chittenden and Rutland Counties, Vermont, the campaign provides diesel fleet operators with a toolkit that explains the myths and realities associated with truck idling, the health effects of diesel exhaust, the cost savings achieved with idle reduction policies, and sample model policies. Funded by a grant from the Vermont Department of Environmental Conservation, the program seeks to facilitate the

development of idle reduction policies with 12 or more diesel fleet operators. More information is available at <http://www.lungusa.org/associations/charters/new-england/programs/vermont-idle-free-fleets.html>. The site includes an EPA SmartWay partial list of shippers and carriers that have adopted no-idling policies. *Source:* Wayne Michaud, Vermont Chapter of the American Lung Association

FHWA Launches Tool To Pinpoint Freight Congestion

A new technology tool will help transportation planners, operators, and private shippers and carriers plan ahead by identifying key traffic chokepoints on some of the nation's busiest roads, according to the Federal Highway Administration. The new Freight Performance Measures web-based tool, FPMweb, measures operating speeds for trucks at any given place and point in time along 25 interstate highways that are considered significant freight routes. Developed through a multiyear FHWA research

initiative with the American Transportation Research Institute (ATRI), FPMweb is a first of its kind effort to capture information on truck travel speeds from around the country through on-board GPS and satellite technology. The FHWA also released the 2009 Bottleneck Analysis of 100 Freight Significant Highway Locations based on the research. Please see <http://www.fhwa.dot.gov/pressroom/fhwa1014.htm> for more information.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The DOE/EERE Alternative Fuels and Advanced Vehicles Data Center (AFDC) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their state trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); States in *gray* do not permit the exemption; and states in **brown** have legislation in process.

Summary of State and Municipal Anti-Idling Regulations

The most current information about anti-idling regulations, for both states and municipalities, is available at <http://atri->

[online.org/index.php?option=com_content&view=article&id=164&Itemid=70](http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70) and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about

possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE's Clean Cities program provides a listing of Federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see www.northeastdiesel.org/funding.htm; Mid-Atlantic Diesel Collaborative

(Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest Clean Diesel Initiative (Region 5), www.epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcdc.html; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/grants.htm.

Tools Available to Calculate the Cost of Idling Reduction Equipment

There are a number of tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling

is also included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of information that may be of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (http://www.autothermusa.com/idle_calc.html)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)

- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?selectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- **Odyssey Battery** (<http://www.odysseybattery.com/fleet.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least six states. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator

(afdc.energy.gov/afdc/progs/tse_listings.php).

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to

http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	www.cvrp.energycenter.org
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CARB	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$9.8 million	First come, first served.	http://www.californiahvip.org
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbliip.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/mc/diesel_emission.htm
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sb_omb_loan.html#evaluation
North Carolina Division of Air Quality	North Carolina State Auxiliary Power Unit and 2010 Compliant Heavy-Duty Truck Rebate Program	\$265,018 (as of May 19, 2010)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/
North Central Texas Council of Governments (NCTCOG)	Heavy-Duty Vehicle and Equipment Grant Program	On-board idle reduction, ~ \$230,000; on-site idle reduction, ~\$1.3 million	Rolling deadline until June 25, 2010.	http://www.nctcog.org/trans/air/program_s/terp/hdvegp/idle.asp

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Tennessee Department of Environment and Conservation	Idle Smart Program (rebates for the purchase of APUs)	~\$1.73 million	First come, first served before September 30, 2010.	http://www.state.tn.us/environment/recovery/der.shtml
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$2 million	First come, first served.	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
Wisconsin Department of Commerce	State Energy Program – Recovery Act (SEP-ARRA) — Clean Energy Business Loan Program	\$55 million	Rolling deadline until funds are awarded.	http://commerce.wi.gov/BD/BD-SEP-ARRA.html
New York State Energy Research and Development Authority (NYSERDA)	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on June 2 and November 3, 2010.	http://www.nyserda.org/funding/1260pon.pdf
Environmental Protection Agency (EPA)	Targeted Air Shed Grant Program	\$10 million	June 4, 2010	http://www.epa.gov/air/grants_funding.html
Kansas Department of Health and Environment	Kansas Clean Diesel Grant Program	\$269,322	June 18, 2010	www.kdheks.gov/bar/air-monitor/dieselgrant.html
Mississippi Department of Environmental Quality	Auxiliary Power Unit Purchase Assistance Project	~ \$300,000	June 30, 2010	http://www.deq.state.ms.us/MDEQ.nsf/page/Main_Newsroom?OpenDocument Keith Head at 601-961-5577, or khead@deq.state.ms.us
U.S. Department of Energy (DOE)	State Energy Program (SEP) Program Year 2010 Formula Award	\$25 million	June 30, July 1, or September 30, 2010, depending on States' program-year cycle	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000308&agency=DOE
NCTCOG	Clean Fleets North Texas (electric or natural gas infrastructure for governmental entities)	\$2.5 million	July 23, 2010	http://www.nctcog.org/trans/air/vehicles/investments/funding/index.asp

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Conserve Nova Scotia	Nova Scotia Class 8 Trucking Energy Efficiency Incentive Program	Can\$1 million	July 30, 2010	http://www.apta.ca/
The Texas Commission on Environmental Quality	Emissions Reduction Incentive Grants	Indeterminate	August 13, 2010	http://www.tceq.state.tx.us/implementation/air/terp/erig_apps.html
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

Third Time's the Charm for Alabama

After two failed attempts to pass a weight exemption bill in previous legislative sessions, Alabama lawmakers may now claim victory. On April 21, 2010, Alabama Governor Bob Riley signed Alabama Act 2010-543 (Senate Bill 288), which increases by 400 pounds the allowed gross, tandem, axle, or bridge formula weight limit for trucks equipped with idling reduction equipment. The full text of the bill can be found through Alabama's

Secretary of State website, <http://arc-sos.state.al.us/cgi/actdetail.mbr/detail?year=2010&act=543&page=bill>.

For more information, please see

http://www.landlinemag.com/todays_news/Daily/2010/May10/051010/051310-03.htm.

Pennsylvania Toughens Its Idling Regulations

The Allegheny County Health Department recently enacted a regulation in the Pittsburgh, Pennsylvania, area, effective May 1, 2010, to reduce idling emissions from diesel-fueled, off-road vehicles. Such idling is now limited to no more than 5 consecutive minutes. Developed with input from the construction industry and environmental organizations, the rule applies to any person or business owning or operating diesel-fueled compression ignition engines of 25 horsepower or greater that power off-road vehicles or are not registered for on-road use. Such vehicles are typically used in construction, mining, land filling, manufacturing, warehousing, airport ground support, and other industrial operations. Exemptions from the 5-minute limit include: idling necessary to accomplish the work for which the equipment is designed; idling to ensure safe operation of equipment;

idling for the equipment operator's physical well-being while working; and idling any vehicle used in an emergency or public safety capacity. A first offense comes with a penalty of \$100; penalties of \$500 follow for subsequent violations. Please go to www.achd.net for more information.

Pennsylvania's Diesel Powered Motor Vehicle Idling Act, which took effect in February 2009, included an exemption to allow truck and bus drivers to idle their engines to provide cab cooling or heat when temperatures were less than 40°F or more than 75°F. This exemption expired on May 1, 2010. Idling is now restricted to no more than 5 minutes in any 60-minute period. For more information, please see <http://www.dep.state.pa.us/dep/deputate/airwaste/aq/cars/idling.htm>.

Much Legislative Ado about Idling

The States have been busy with legislation regarding both the 400-pound weight exemption and idling-time restrictions. In Florida, House Bill (HB) 1271, which includes a provision for the 400-pound exemption, awaits Governor Crist's signature. Weight exemption bills in California (Assembly Bill 1772) and New York (Senate Bill [SB] 5722) are also in the pipeline. Massachusetts' H3334 remains in committee.

Michigan has introduced SB1069, which limits the idling of commercial vehicles to no more than 5 minutes per hour. Wisconsin and Vermont, on the other hand, ended their legislative sessions without passing bills that would have restricted truck idling to 5 minutes or less in any 60-minute period. For more information on Michigan, Wisconsin, and Vermont, please see http://www.landlinemag.com/todays_news/Daily/2010/May10/052410/052410-05.htm.

Toronto's Board of Health Proposes Tighter Idling Restrictions

Toronto's Board of Health has voted in favor of reducing the maximum idling time in the city from 3 minutes to 1 minute. The exemption for extreme temperatures would be eliminated altogether. The proposed idling bylaw will go before the Toronto City Council on June 8 and 9. Toronto, which first passed an idling bylaw in 1996, was the first city in Canada to

restrict the idling of cars. The Board of Health's recommendations can be found at http://www.toronto.ca/health/boh_reports.htm#hl30_02, and agendas and minutes for the Toronto City Council can be found at <http://www.toronto.ca/legdocs/2010/agendas/cc.htm>.

British Columbia Grants Weight Allowance for Trucks

Acting on a recommendation from the Trucking Sector Climate Action Working Group, the province of British Columbia has adopted a weight allowance for trucks equipped with APUs. The Ministry's Commercial Vehicle Safety and Enforcement branch now permits a weight tolerance of

up to 225 kg (500 pounds) for vehicles with APUs. A length allowance was also granted. For more information, please see http://www2.news.gov.bc.ca/news_releases_2009-2013/2010TRAN0021-000541.htm.

AWARDS AND RECOGNITION

ORGANIZATION	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Clean Air Campaign (Georgia)	UPS Foundation	Idling Reduction Education Program	\$50,000

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB: Goods Movement Emission Reduction Program Public Workshop	Long Beach and Fresno, California	June 2 (Long Beach) and June 3 (Fresno)	http://www.arb.ca.gov/bonds/gmbond/gmbond.htm
2010 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Washington, D.C.	June 7–11, 2010	http://annualmeritreview.energy.gov/

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MEETING	LOCATION	DATE	WEBSITE OR CONTACT
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/
Fifth Annual Southeast Diesel Collaborative Partners Meeting	Atlanta, Georgia	June 21–24, 2010	http://www.southeastdiesel.org
CARB Public Meeting To Consider the Adoption of the Proposed AB 118 Air Quality Improvement Program Funding Plan for Fiscal Year 2010–11	Sacramento, California	June 24, 2010	http://www.arb.ca.gov/msprog/aqip/aqip.htm
2010 Advancing the Choice: Delivering Success (NCTCOG and the Dallas-Fort Worth Clean Cities Coalition)	Grand Prairie, Texas	August 11, 2010	http://www.nctcog.org/trans/clean/cities/index.asp
15th International Union of Air Pollution Prevention and Environmental Protection Associations' (IUAPPA) World Clean Air Congress	Vancouver, Canada	September 11–16, 2010	http://www.iuappa2010.com/
16th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	September 27–30, 2010	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
National Center for Vehicle Emissions Control and Safety (NCVECS) 26th Clean Air Conference	Breckenridge, Colorado	September 27–30, 2010	http://www.ncvecs.colostate.edu/conference/Default.aspx
Hybrid Truck Users Forum (HTUF) National Conference 2010	Dearborn, Michigan	September 28–30, 2010	http://www.calstart.org/Homepage.aspx
West Coast Collaborative Partners Meeting	San Francisco, California	September 29–30, 2010	http://jpgroup-associates.com/wcc/meeting.htm
SAE Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 5–6, 2010	http://www.sae.org/events/cve/
National Clean Diesel Campaign Conference	Washington, D.C.	October 19–20, 2010	http://www.dieselforum.org/policy/retrofit/retrofit-events/save-the-date-clean-diesel-10
Sustainable Shipping Conference	Miami, Florida	October 20–22, 2010	http://www.sustainableshipping.com/events/2010/miami/
Transportation Research Board (TRB) 90th Annual Meeting	Washington, D.C.	January 23–27, 2011	http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
U.S. House of Representatives, Committee on Transportation and Infrastructure, Subcommittee on Highways and Transit	Assessing the Implementation and Impacts of the Clean Truck Programs at the Port of Los Angeles and the Port of Long Beach	http://transportation.house.gov/Media/file/Highways/20100505/SSM_HT.pdf
Oregon Department of Environmental Quality (DEQ)	Draft Recommended Oregon Idling Law and Draft Idling Recommendations	http://www.deq.state.or.us/aq/committees/TruckEfficiencyStudyGrp.htm and scroll down to Presentations
TRB's National Cooperative Highway Research Program (NCHRP)	Assessing Mechanisms for Integrating Transportation-Related Greenhouse Gas Reduction Objectives into Transportation Decision Making	http://www.trb.org/Main/Blurbs/163179.aspx

MANUFACTURERS' NEWS

Thermo King: SmartWay Verification and New Series

EPA's SmartWay program recently verified Thermo King's TriPac[®] electric auxiliary idle reduction and temperature management system, as well as the company's engine-based APU, TriPac.

Additionally, Thermo King has launched a new T-Series line of temperature-control units for straight trucks: the T-600R and the T-800R. The units use

the SmartPower electric standby option, which reduces fuel use and emissions by allowing the unit to operate on electric power while at the dock. More information is available at <http://www.thermoking.com/tk/index.asp>.

GREEN Star: An APU for the Fire Service

Rosenbauer, a manufacturer of fire-fighting apparatus, has introduced the GREEN Star idle reduction system. With this APU, once the vehicle is on scene and the parking brake set, electronic controls shut off the vehicle's main engine and start the diesel-powered APU. Introduced at the Fire

Department Instructors Conference in Indianapolis, Indiana, in April, the APU uses a quarter of the fuel that would be used by the main engine. If power demand exceeds the APU's ability to produce power, the system automatically restarts the main engine. According to Rosenbauer, fire

services increasingly respond to fewer fires and more medical and other emergency calls. During these times, vehicles idle an average of 10–40

minutes to keep lights and communication equipment functioning. For more information, please see http://www.rosenbaueramerica.com/green_star/.

Black Rock Closed for Business

Black Rock Systems, manufacturer of the BlackRock APU, ceased operations on April 30, 2010. BlackRock customers requiring service are referred to the company's distributors and service centers. According to *Land Line*, the company is seeking a buyer for its warranty obligations. More information is

available at

http://www.landlinemag.com/todays_news/Daily/2010/May10/051010/051010-04.htm and <http://www.blackrockapu.com/>.

ELECTRIFIED PARKING SPACES

New Investors Plan to Revive IdleAire

Having fallen into bankruptcy in January of this year, IdleAire reportedly has a new group of investors seeking to relaunch the company. According to the *Knoxville News Sentinel*, Convoy Solutions, a New York based investment group, bought IdleAire's intellectual property and some key assets. The company, which plans to remain headquartered in Knoxville, Tennessee, intends to resume service at about two dozen locations. Before the

bankruptcy filing, IdleAire had operated about 130 locations in 34 States. For more information, please see <http://www.knoxnews.com/news/2010/may/26/idleaire-starting-up-in-25-places/?partner=RSS>. The link <http://www.idleaire.com/> lists the locations planned for reopening.

PORTS

Cold Ironing Website Launched

The World Ports Climate Initiative has launched a website that provides information about onshore power supplies for ports and terminals worldwide. Differences among ports in electrical frequencies and voltage levels, along with the absence of international standards, complicate the

widespread adoption of onshore power supply, or "cold ironing." Information about cold ironing at the Ports of Los Angeles, Long Beach, and Seattle is available on the site. Please see www.onshorepowersupply.org.

OTHER NEWS OF INTEREST

Oregon and Texas Form Groups to Study Idling Reduction

In 2009, the Oregon Legislature directed their State DEQ to evaluate the requirements for reducing greenhouse gas emissions from commercial heavy- and medium-duty vehicles. In response, the DEQ formed the Truck Efficiency and Reduced Idling Study Group. Study group members will work with DEQ staff to report findings and recommendations for legislation to the Interim Committee on Environment and Natural Resources by October 1, 2010. More information, including the group's charter, meeting agendas and minutes, and a Draft Recommended Oregon Idling Law, can be found at

<http://www.deq.state.or.us/aq/committees/TruckEfficiencyStudyGrp.htm#Contact>.

The Texas Commission on Environmental Quality has launched the Motor Vehicle Idling Stakeholder Group. Open to the public, the group met in April. Meeting agendas and minutes and a schedule of future meetings can be found at

http://www.tceq.state.tx.us/implementation/air/mobilesource/vim/idling_stakeholder.html.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

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National Idling Reduction Network News

May 2010

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Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	Tennessee	Wyoming*
Arkansas*	Hawaii	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
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States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by State law); States in **gray** do not permit the exemption; and States in **brown** have legislation in process. †Effective July 1, 2010. ‡Effective June 11, 2010.

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- Autotherm (http://www.autothermusa.com/idle_calc.html)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least six States. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator (afdc.energy.gov/afdc/progs/tse_listings.php).

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.



National Idling Reduction Network News

May 2010

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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National Idling Reduction Network News

April 2010

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	www.cvrp.energycenter.org
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CARB	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$9.8 million	First come, first served.	http://www.californiahvip.org
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbilip.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_emission.htm
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbomb_loan.html#evaluation
North Carolina Division of Air Quality	North Carolina State Auxiliary Power Unit and 2010 Compliant Heavy-Duty Truck Rebate Program	\$299,138 (as of April 29, 2010)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/

National Idling Reduction Network News

April 2010

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Central Texas Council of Governments (NCTCOG)	Heavy-Duty Vehicle and Equipment Grant Program	On-board idle reduction, ~ \$230,000; on-site idle reduction, ~\$1.4 million	Rolling deadline until June 25, 2010.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/idle.asp
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselfetrofitrebate.org
Tennessee Department of Environment and Conservation	Idle Smart Program (rebates for the purchase of APUs)	~\$1.73 million	First come, first served before September 30, 2010.	http://www.state.tn.us/environment/recovery/der.shtml
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$2 million	First come, first served.	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
Wisconsin Department of Commerce	State Energy Program – Recovery Act (SEP-ARRA) — Clean Energy Business Loan Program	\$55 million	Rolling deadline until funds are awarded.	http://commerce.wi.gov/BD/BD-SEP-ARRA.html
cypresfunds.net	California Reformulated Gasoline Settlement Fund (for projects achieving fuel or air emission benefits for consumers in California)	~ \$7 million	May 3, 2010	http://cypresfunds.net/reformulatedgas.html
CARB	Advanced Technology Demonstration Project (for demonstration of the hybridization of an existing marine vessel)	\$1,000,000	May 28, 2010	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
New York State Energy Research and Development Authority (NYSERDA)	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on June 2 and November 3, 2010.	http://www.nyserda.org/funding/1260pon.pdf

U.S. Department of Energy (DOE)	State Energy Program (SEP) Program Year 2010 Formula Award	\$25 million	June 30, July 1, or September 30, 2010, depending on States' program-year cycle	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000308&agency=DOE
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

West Virginia Passes 400-Pound Exemption and Restricts Idling

Beginning on June 11, 2010, heavy-duty diesel trucks equipped with idling reduction equipment in West Virginia will be permitted to weigh an additional 400 pounds. On April 2, 2010, Governor Joe Manchin signed into law Senate Bill (SB) 183, which not only authorizes the weight exemption, but also enacts new restrictions on the idling of diesel-powered vehicles. Such idling will be restricted to 15 minutes or less in any 60-minute period; fines levied will be between \$150 and \$300 plus court costs. Exceptions to the idling rule include

mandated rest periods when the outdoor temperature is less than 40°F or more than 75°F. This exemption expires May 1, 2012. For more information, please go to http://www.landlinemag.com/todays_news/Daily/2010/Apr10/041210/041310-03.htm or http://www.legis.state.wv.us/Bill_Text_HTML/2010_SESSIONS/RS/BILLS/sb183%20sub1%20enr.htm.

Florida and Massachusetts Advance, and California Introduces, 400-Pound Exemption Bills

In Florida, House Bill (HB) 1271, which addresses a wide range of transportation issues, is being considered in the House. The bill would allow for an increase in a vehicle's maximum gross vehicle weight of up to 400

pounds to compensate for the weight of APUs installed. For the history and current status of HB1271, please click on <http://www.myfloridahouse.gov/Sections/Bills/billsdetail.aspx?BillId=44036>.

Massachusetts' HB 3334, an act to exempt the weight of idle reduction systems for commercial vehicles from maximum weight restrictions, was reported on favorably by a House committee and referred to another committee earlier this month. In California, Assembly Bill (AB) 1772, which was introduced in February, would increase by 400 pounds the gross axle

weight limit of heavy-duty trucks. A version of the bill amended in assembly on April 7 is available at http://info.sen.ca.gov/pub/09-10/bill/asm/ab_1751-1800/ab_1772_bill_20100407_amended_asm_v98.html. The bill is currently in committee. To follow its progress, please go to <http://www.leginfo.ca.gov/bilinfo.html> and enter 1772 in the search field.

AWARDS AND RECOGNITION

ORGANIZATION	PURPOSE OF GRANT	FUNDING
Utah Department of Environmental Quality and Environmental Protection Agency (EPA)	Installation of APUs at 15 trucking companies	\$588,235

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
NCTCOG Construction Demonstration Project Workshop	Arlington, Texas	May 7, 2010	http://www.nctcog.org/trans/air/programs/fleet/constructionfleets/index.asp
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
Mobilizing NC: Where Air Quality, Energy, and Transportation Meet	Raleigh, North Carolina	May 26, 2010	http://www.ncmobilecare.org/3/miscellaneous2.htm
2010 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Washington, D.C.	June 7–11, 2010	http://annualmeritreview.energy.gov/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/
15th International Union of Air Pollution Prevention and Environmental Protection Associations' (IUAPPA) World Clean Air Congress	Vancouver, Canada	September 11–16, 2010	http://www.iuappa2010.com/
16th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	September 27–30, 2010	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
National Center for Vehicle Emissions Control and Safety (NCVECS) 26th Clean Air Conference	Breckenridge, Colorado	September 27–30, 2010	http://www.ncvecs.colostate.edu/conference/Default.aspx
Hybrid Truck Users Forum (HTUF) National Conference 2010	Dearborn, Michigan	September 28–30, 2010	http://www.calstart.org/Homepage.aspx

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
West Coast Collaborative Partners Meeting	San Francisco, California	September 29–30, 2010	Penny McDaniel, EPA Region 9, at mcdaniel.penelope@epa.gov or (415) 947-4203
SAE Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 5–6, 2010	http://www.sae.org/events/cve/
Sustainable Shipping Conference	Miami, Florida	October 20–22, 2010	http://www.sustainableshipping.com/events/2010/miami/

MANUFACTURERS' NEWS

Webasto Introduces BlueCool Hybrid

Webasto (Fenton, Michigan) has expanded its BlueCool Thermal Storage APU product family to include the BlueCool Hybrid. According to Webasto, the new product is the first thermal storage APU with shore-power connection capability. The system, which connects directly to a standard 120-V AC land-based power source (“shore power”), produces cool air using thermal energy stored in a frozen graphite/water-glycol matrix.

When not connected to a land-based power source, the APU will provide power, by means of stored energy, for up to 10 hours. The APU will power laptops and other electronics and can be combined with the Webasto Air Top 2000 ST heater to provide a complete climate-control system. For more information, please go to <http://www.bluecooltruck.com/>.

ELECTRIFIED PARKING SPACES

TSE Initiatives Launched in Arizona and Pennsylvania

The Arizona Department of Environmental Quality (ADEQ) has awarded \$2.15 million to Shorepower Technologies for the installation of truck stop electrification (TSE). Shorepower will install 150 parking spaces with electric hookups and cooling and heating units for long-haul diesel trucks in nonattainment areas in the southern part of the State. ADEQ will work with the Arizona Department of Transportation, local governmental entities, and Shorepower to implement the project. The project is funded by Diesel Emissions Reduction Act (DERA) and American Recovery and Reinvestment Act (ARRA) grants. Please click on

<http://www.azdeq.gov/function/news/2010/download/040510.pdf> for more information.

Earlier this month, the Pennsylvania Turnpike Commission announced the beginning of construction of a TSE facility at its New Stanton Service Plaza. Expected to be operational by May 30, 2010, the facility will have 28 parking spaces supplied with equipment to provide truck drivers with heat, air-conditioning, Internet, TV, and electrical power via modules that fit in truck cab windows. CabAire (Enfield, Connecticut), the vendor selected for the

ARRA-funded project, will provide the equipment and maintain the TSE for 10 years after installation. Funding for the project was provided by a \$478,396 grant from the Pennsylvania Department of Environmental

Protection. For more information, please go to <http://www.paturnpike.com/Press/2010/20100405113136.htm>.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
U.S. Department of Transportation (DOT)	Transportation's Role in Reducing U.S. Greenhouse Gas Emissions (Report to Congress)	http://ntl.bts.gov/lib/32000/32700/32779/DOT_Climate_Change_Report_-_April_2010_-_Volume_1_and_2.pdf
Transportation Research Board (TRB) of the National Research Council (NRC)	Technologies and Approaches to Reducing the Fuel Consumption of Medium- and Heavy-Duty Vehicles	http://www.nap.edu/catalog.php?record_id=12845
The Port of Los Angeles and the Port of Long Beach	Draft 2010 San Pedro Bay Ports Clean Air Action Plan Update	http://www.cleanairactionplan.org/reports/documents.asp

PORTS

Ports Release CAAP Draft Update

Building on the San Pedro Bay Ports Clean Air Action Plan (CAAP) adopted in 2006, the Ports of Long Beach and Los Angeles have released a draft updated Clean Air Action Plan, for which the 30-day public comment period ends on May 7, 2010. The document addresses emissions from port-related ships, trains, trucks, terminal equipment, and harbor craft. The 2006 CAAP established a strategy for reducing port-related air pollution and launched

an array of initiatives, including the Ports' Clean Truck Programs. The Boards of Harbor Commissioners for the Ports of Long Beach and Los Angeles will consider adopting the draft 2010 CAAP update this summer. For more information, including access to the draft report, please click on <http://www.cleanairactionplan.org/reports/documents.asp>.

RAILROADS

Reduced Idling at Refurbished BNSF Intermodal Facility

Following a \$200 million rebuilding and expansion project, BNSF Railway's Memphis Intermodal Facility opened on April 21, 2010. The facility is now equipped with electric, rail-mounted gantry cranes that produce no on-site

emissions. The facility also has an automated gate system for trucks entering and exiting the facility. Digital cameras record images of containers and equipment, and drivers are identified with a biometric system. BNSF

claims that these enhancements not only increase security and throughput, but reduce truck idling time and emissions by 50 percent. More information

is available at <http://www.bnsf.com/media/news/articles/2010/04/2010-04-21a.html>.

OTHER NEWS OF INTEREST

Utah's Clean Diesel Trucking Initiative Bears Fruit

On April 6, 2010, the Utah Department of Environmental Quality (DEQ) and the Utah Trucking Association announced the Utah Clean Trucking Initiative. Made possible by State and Federal grants, the initiative will fund the installation of anti-idling technology for 15 trucking businesses. The funding includes \$352,941 from the U.S. EPA's State Clean Diesel Grant Program and

\$235,294 from DEQ's Division of Air Quality. Please click on <http://www.deq.utah.gov/News/2010/docs/dieselpressrelease.pdf> and <http://www.cleandiesel.utah.gov/> for more information. *Source:* Glen Kedzie, American Trucking Associations

NYSERDA Awards \$500,000 to ENrG for Idling Reduction

NYSERDA has awarded \$500,000 to ENrG, Inc. (Buffalo, New York) to develop components of a system that will significantly reduce truck-engine fuel use and emissions. ENrG is a specialty ceramics maker for clean-power applications. Working with industry partners, ENrG will develop a thermal management package for a solid oxide fuel cell (SOFC) APU capable of heating and providing power to a truck cabin without the need to run the

main engine. SOFCs, which are used as alternative energy sources, combine hydrogen and oxygen to produce electrical energy and heat, with water as a by-product. More information is available at http://www.house.gov/apps/list/press/ny27_higgins/041310_NYSERDA.shtml and <http://www.enrg-inc.com/>.

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Arkansas*	Hawaii	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
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www.epa.gov/midwestcleandiesel/grants/index.html;

Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota),

www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel

Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcdc.html; and

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- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)



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Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least six States. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator (afdc.energy.gov/afdc/progs/tse_listings.php).

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this PDF file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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National Idling Reduction Network News

April 2010

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National Idling Reduction Network News

March 2010

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	Clean Vehicle Rebate Project	\$4.1 million	First come, first served.	www.cvrp.energycenter.org
CARB	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdloanprogram.pdf
CARB	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$20.4 million	First come, first served.	http://www.californiahvip.org
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbllp.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_rebate.htm
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbomb_loan.html#evaluation
North Carolina Division of Air Quality	North Carolina State Auxiliary Power Unit and 2010 Compliant Heavy-Duty Truck Rebate Program	\$337,756 (as of January 19, 2010)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
North Central Texas Council of Governments (NCTCOG)	Heavy-Duty Vehicle and Equipment Grant Program	On-board idle reduction, ~ \$300,000; on-site idle reduction, ~\$1.6 million	Rolling deadline until June 25, 2010.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/idle.asp
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselfretrofitrebate.org
Tennessee Department of Environment and Conservation	Idle Smart Program (rebates for the purchase of APUs)	~\$1.73 million	First come, first served before September 30, 2010.	http://www.state.tn.us/environment/recovery/der.shtml
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$2 million	First come, first served.	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
Wisconsin Department of Commerce	State Energy Program – Recovery Act (SEP-ARRA) — Clean Energy Business Loan Program	\$55 million	Rolling deadline until funds are awarded.	http://commerce.wi.gov/BD/BD-SEP-ARRA.html
North Carolina Department of Transportation and the North Carolina Solar Center	4th Annual Mobile Clean Air Renewable Energy (CARE) Awards	N/A	April 15, 2010	http://www.ncmobilecare.org/3/custom_form_3.htm
Mid-America Regional Council (MARC)	Clean Diesel Grant Program (Kansas City area)	\$120,000	April 16, 2010	http://www.marc.org/rfp.htm
Ozarks Clean Air Alliance	Clean Diesel Grant Program (Southwest Missouri)	\$120,000	April 16, 2010	http://www.showmecleanair.com/
St. Louis Regional Clean Cities	Clean Diesel Grant Program (St. Louis area)	\$120,000	April 16, 2010	http://stlcleancities.org/
Maryland Energy Administration	Electric Vehicle Infrastructure Program (EVIP)	\$1,000,000	April 19, 2010	http://www.energy.maryland.gov/incentives/transportation/index.asp
Texas Commission on Environmental Quality	New Technology Research and Development (NTRD) Grants Program	\$7 to \$10 million	April 26, 2010	http://www.tceq.state.tx.us/implementation/air/terp/ntrd_apps.html

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
cypresfunds.net	California Reformulated Gasoline Settlement Fund (for projects achieving fuel or air emission benefits for consumers in California)	~ \$7 million	May 3, 2010	http://cypresfunds.net/reformulated_gas.html
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on June 2 and November 3, 2010.	http://www.nyserda.org/funding/1260pon.pdf
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

Indiana Passes 400-Pound Exemption: Other States Inch Forward

Indiana's House Bill (HB) 1084, which provides a 400-pound exemption for trucks equipped with idling reduction technology, was signed into law by Governor Mitch Daniels on March 17, 2010. Indiana Public Law 65-2010 will become effective on July 1, 2010. A couple of other States have made progress on their 400-pound exemption bills; West Virginia's Senate Bill (SB) 183 has passed both houses and advanced to the Governor, and Florida's HB51 was introduced on March 2, 2010. For more information on Indiana's

bill, please see

<http://www.in.gov/apps/lisa/session/billwatch/billinfo?year=2010&request=getBill&docno=1084>. For more information on West Virginia's bill, see http://www.landlinemag.com/todays_news/Daily/2010/Mar10/031510/031510-05.htm. The link <http://www.myfloridahouse.gov/sections/Bills/billsdetail.aspx?BillId=42193>, contains information on Florida's bill.

New Jersey Extends Idling Exemption for Rest Periods

The New Jersey Department of Environmental Protection has extended the “sleeper exemption” that was to expire May 1, 2010, by 1 year. A provision in the rule allowed the Commissioner to determine, in consultation with the New Jersey Department of Transportation and the State Police, whether public safety would be adversely affected if the exemption were to take effect on May 1, 2010. The exemption pertains to trucks with engines older

than model year 2007 or trucks without a functioning diesel particulate filter. For more information on New Jersey’s rule on the prevention and control of air pollution from diesel-powered motor vehicles, please see http://www.state.nj.us/dep/aqm/Sub14_Rule.pdf. Source: Glen Kedzie, American Trucking Associations

Detroit Restricts Diesel Idling

Earlier this month, the City Council of Detroit, Michigan, unanimously passed an ordinance prohibiting drivers of commercial trucks from idling more than 5 minutes in a 60-minute period. Emergency vehicles and

vehicles stuck in traffic are exempted. Please see <http://detnews.com/article/20100310/METRO01/3100361/Wayne-briefs#ixzz0ivtRUHxW>.

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Workshop on the Development of the AB 118 Air Quality Improvement Program FY 2010–11 Funding Plan	Sacramento (or http://www.calepa.ca.gov/broadcast/via Web), El Monte, and Fresno, California	April 8, 13, and 20, 2010	http://www.arb.ca.gov/msprog/mailouts/msc1010/msc1010.pdf
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
Mobilizing NC: Where Air Quality, Energy, and Transportation Meet	Raleigh, NC	May 26, 2010	http://www.ncmobilecare.org/3/miscellaneous2.htm
2010 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Washington, D.C.	June 7–11, 2010	http://annualmeritreview.energy.gov/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
15th International Union of Air Pollution Prevention and Environmental Protection Associations' (IUAPPA) World Clean Air Congress	Vancouver, Canada	September 11–16, 2010	http://www.iuappa2010.com/
16th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	September 27–30, 2010	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
National Center for Vehicle Emissions Control and Safety (NCVECS) 26th Clean Air Conference	Breckenridge, Colorado	September 27–30, 2010	http://www.ncvecs.colostate.edu/conference/Default.aspx

MANUFACTURERS' NEWS

New: TriPac^e and NITE Phoenix Products for Cab Comfort

Thermo King has launched a new electric auxiliary idle reduction and temperature management system, the TriPac^e. Battery operated, the new system is designed to allow control of truck-cab climate without the need to run the vehicle's engine. For more information about this and other new Thermo King products, please go to

<http://www.prnewswire.com/news-releases/thermo-king-introduces-three-new-products-that-maximize-efficiency-reduce-cost-and-meet-applicable-regulatory-and-environmental-standards-89109137.html> or <http://www.thermoking.com/tk/index.asp>.

Bergstrom, Inc., has introduced the NITE Phoenix, a new version of its battery-powered no-idle cab-cooling system for fleets that operate in very

hot climates. The company has also announced a new lithium-ion battery option that it claims will increase running time for its NITE no-idle cab climate-control system by 16 percent while decreasing the battery pack's weight by 60 percent. According to *Fleet Owner*, at a recent press conference the company stated that, compared to the unit's standard acid glass mat (AGM) batteries, the lithium-ion batteries will recharge at a faster rate and last four times longer. The links

<http://fleetowner.com/green/archive/lithium-ion-no-idle-hvac-0325/> and <http://www.nitesystem.com/index.cfm> provide more information.

IdleGuard and IdleOff Enter the Market

Transportation Safety Technologies, based in Indianapolis, Indiana, has introduced the Idle Guard 200, a solid-state timer that prevents unnecessary engine idling in fleet and delivery vehicles. Triggered by a signal

from the parking brake on a manual transmission or the park/neutral switch on an automatic transmission, the device activates the timer for engine shutoff after a set amount of time (3, 5, or 15 minutes, depending on the

model). Idle Guard 200 is compatible with both diesel and gasoline engines. To learn more about the Idle Guard 200 technology, please visit <http://tst-corp.com>.

IdleOff, a product of Green Fleet LLC (Sedona Arizona), offers an alternative to engine idling for the powering of LED emergency lights on stopped fleet vehicles. With IdleOff, power is sent to the LED lighting from a high-capacity

battery or pair of batteries that recharge while the vehicle is being driven. According to the manufacturer, IdleOff manages the auxiliary power required to operate emergency light bars for up to 12 hours without engine idling and could save a typical fleet vehicle \$8.00 a day in fuel costs. For more information, please see <http://www.i-newswire.com/const-utility-trucks-go-green-with/26588> and <http://www.greenfleetnow.com/>.

30-Million Miles for Eaton Hybrid Systems

Eaton Corporation, a power management company and manufacturer of commercial-vehicle hybrid power systems based in Cleveland, Ohio, has announced that users of its hybrid systems have collectively driven more than 30 million miles. The 2,400+ Eaton hybrid systems now in use power delivery trucks, buses, and refuse and utility vehicles, among others. Of the 30 million miles, more than 5 million have been driven by FedEx hybrid

vehicles. According to Eaton, benefits of its hybrid systems include fuel savings up to 35 percent (with similar percentages in emission reductions), extended brake life, and idle time reductions of up to 87 percent during work-site operations. For more information, please see http://www.eaton.com/EatonCom/OurCompany/NewsandEvents/NewsList/NewsArticle/CT_270097.

PARKING SPACES FOR TRUCKS

Arizona Bill Seeks To Fund the Reopening of Rest Areas

In October 2009, under the pressure of budget shortfalls, Arizona's Department of Transportation (ADOT) suspended operations of 13 of its 18 rest areas. With the support of dozens of sponsors, the recently introduced HB2645 seeks to permit ADOT to enter agreements with counties, cities, towns, or private entities for the maintenance and improvement of rest areas. The House Bill aside, the status of these closures is due to be

reassessed in June. More information is available at http://www.landlinemag.com/todays_news/Daily/2010/Mar10/030810/031110-03.htm and http://www.azleg.gov/FormatDocument.asp?inDoc=/legtext/49leg/2r/summary/hb2645_02-08-10_ti.doc.htm.

\$1 Million for Maryland's EVIP

The Maryland Energy Administration (MEA) has announced the launch of the Electric Vehicle Infrastructure Program (EVIP). The new program, run by MEA and the Maryland Clean Cities Coalition, will assist organizations in the purchase and installation of electric vehicle recharging units and truck stop

electrification systems. This fiscal year, \$1 million in grants will be provided to State and local governments, nonprofit organizations, and private entities. For more information, please go to <http://www.energy.state.md.us/news/press/index.asp>.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Environmental Defense Fund	The Good Haul: Innovations That Improve Freight Transportation and Protect the Environment	Summary and link to the full report at http://www.edf.org/page.cfm?tagID=53003
Frost & Sullivan	North American Heavy-Duty Truck Auxiliary Power Unit (APU) Market	Summary and ordering information available at http://www.researchandmarkets.com/research/81f270/north_american_heavy_duty_truck_auxiliary_power_unit_apu_market
National Renewable Energy Laboratory (NREL)	Twelve-Month Evaluation of UPS Diesel Hybrid Electric Delivery Vans (technical report)	www.nrel.gov/docs/fy10osti/44134.pdf
NREL	UPS Evaluates Hybrid Electric Delivery Vans (fact sheet)	http://www1.eere.energy.gov/library/viewdetails.aspx?productid=4160
NREL	CoolCab: Reducing Thermal Loads in Long-Haul Trucks	http://www1.eere.energy.gov/library/viewdetails.aspx?productid=4159

PORTS

PANYNJ Launches Truck Replacement Program

The U.S. Environmental Protection Agency (EPA) and the Port Authority of New York & New Jersey (PANYNJ) have unveiled an agreement to reduce pollution from the East Coast's busiest port. With the \$28 million truck replacement program, partially funded by \$7 million from the American Recovery and Reinvestment Act (ARRA), old trucks (1993 and older) will be replaced by newer vehicles (2004 and newer) that meet stricter pollution standards. The agreement, signed by an array of Federal, State, and local

partners, details the steps that the partners will take to reduce diesel pollution from PANYNJ. Actions include investing in pollution reduction technologies and developing air pollution inventories. Through the program, approximately 600 trucks will be replaced. More information is available at <http://yosemite.epa.gov/opa/admpress.nsf/0/204894BAB3CD703C852576E20058A3AF> and <http://www.panynj.gov/truckers-resources/truck-replacement.html>.

RAILROADS

New MARC Locomotives Reduce Idling

Locomotives purchased last year but beset by testing delays are now in service for Maryland-area commuters. The Maryland Area Regional Commuter (MARC) system is now running MPXress MP36 locomotives, which consume no fuel while idling. Replacing 1970s-era engines, the new locomotives use an electric APU for power needs (e.g., lights) in the train terminal. According to a 2009 Maryland Governor's press release, the 26 locomotives were purchased for \$100 million and will reduce emissions of nitrous oxide by 42%, carbon monoxide by 70%, and particulates by 67%. MotivePower (Boise, Idaho) manufactures the MPXress MP36.

To see a video about MARC's new locomotives, please click on <http://www.cleanskies.com/videos/40-year-old-commuter-train-replaced-diesel-locomotive>. More information about MPXress commuter locomotives is available at <http://www.motivepower-wabtec.com/locomotives/commuter/mpxpress.php>. (Photo courtesy of Maryland Transit Administration)



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The DOE/EERE Alternative Fuels and Advanced Vehicles Data Center (AFDC) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi*	New York*	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	Tennessee	Wyoming*
Arkansas*	Hawaii	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana†	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by State law); States in **gray** do not permit the exemption; and States in **brown** have legislation in process. †Effective July 1, 2010.

Summary of State and Municipal Anti-Idling Regulations

The most current information about anti-idling regulations, for both States and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0. If

information for your State or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects.

Information can be found at

http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see www.northeastdiesel.org/funding.htm; Mid-Atlantic Diesel Collaborative

(Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest Clean Diesel Initiative (Region 5),

www.epa.gov/midwestcleandiesel/grants/index.html;

Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota),

www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel

Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcdc.html; and

West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/grants.htm.

Tools Available to Calculate the Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the costs and benefits of paying for and installing idling reduction equipment. A site from Canada that quantifies the costs of workplace idling is also

included. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in brown. If you are aware of other sources of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (http://www.autothermusa.com/idle_calc.html)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least six States. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator (afdc.energy.gov/afdc/progs/tse_listings.php).

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

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Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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CARB	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$20.4 million	First come, first served.	http://www.californiahvip.org
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbliip.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_rebate.htm
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$192,000	Rolling deadline until funds are awarded.	http://www.pca.state.mn.us/programs/sbomb_loan.html#evaluation
North Carolina Division of Air Quality	North Carolina State Auxiliary Power Unit and 2010 Compliant Heavy-Duty Truck Rebate Program	\$337,756 (as of January 19, 2010)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/
North Central Texas Council of Governments (NCTCOG)	Heavy-Duty Vehicle and Equipment Grant Program	\$1.77 million (as of February 5, 2010)	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/idle.asp

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ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Wisconsin Department of Commerce	State Energy Program – Recovery Act (SEP-ARRA) — Clean Energy Business Loan Program	\$55 million	Rolling deadline until funds are awarded.	http://commerce.wi.gov/BD/BD-SEP-ARRA.html
Environmental Protection Agency (EPA)	Community Action for a Renewed Environment (CARE) Program	\$2 million	March 9, 2010	http://www.epa.gov/care/
The North Carolina Solar Center at NC State University	Clean Fuel Advanced Technology (CFAT) Project	\$700,000	March 15, 2010	http://www.engr.ncsu.edu/ncsc/transportation/funding.htm#CFAT
Wisconsin Department of Natural Resources	2010 Diesel Emissions Reduction Act (DERA) Wisconsin Clean Diesel Grant Program	~ \$380,000	Must be postmarked by March 22, 2010	http://dnr.wi.gov/air/mobile/CleanDieselGP.htm
New York State Energy Research and Development Authority (NYSERDA)	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	March 22, 2010	http://www.nyserda.org/funding/1613rfp.asp
North Carolina Department of Transportation and the North Carolina Solar Center	4th Annual Mobile Clean Air Renewable Energy (CARE) Awards	N/A	April 15, 2010	http://www.ncmobilecare.org/3/custom_form_3.htm
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on June 2 and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

West Virginia: Bill Seeks Idling Restrictions with a Provision for Weight Exemption

Introduced January 13, 2010, West Virginia's Senate Bill (SB) 183 would prohibit 10,000+-pound diesel-powered vehicles from idling for more than 5 minutes in any 60-minute period. A number of exemptions are defined, including when the outdoor temperature is less than 40°F or higher than 75°F, but this exemption would expire May 1, 2011. Noncompliance would result in a misdemeanor with a fine between \$150 and \$300, plus court costs. The bill includes a provision for the 400-pound weight exemption as

described in Title 23, §127(a)(12), of the U.S. Code. SB183 moved to committee on February 2, 2010. For more information, please see http://www.landlinemag.com/todays_news/Daily/2010/Jan10/012510/012710-01.htm, and for the full text of the bill, click on http://www.legis.state.wv.us/Bill_Text_HTML/2010_SESSIONS/RS/Bills/SB183%20intr.htm.

If at First You Don't Succeed . . . Indiana and Alabama Try Again

Two States, Indiana and Alabama, that have failed in previous years to pass the 400-pound weight exemption for trucks equipped with idling reduction equipment are trying again. In Indiana, House Bill (HB) 1084 was passed by the House on February 9 and has moved to the Senate, where it awaits consideration by committee. In January, the Alabama House approved HB127, which awaits committee action in the Senate. For more information

on the bills, please see <http://www.in.gov/apps/lisa/session/billwatch/billinfo?year=2010&session=1&request=getBill&docno=1084> and <http://alisondb.legislature.state.al.us/acas/ViewBillsStatusACASLogin.asp?BillNumber=HB127>.

California Increases Penalty for Idling School Buses

In a California law effective January 1, 2010, school and student activity bus drivers idling within 100 feet of any school are subject to a new, stricter penalty. The change to Part 2 of Division 26 of the Health and Safety Code raises the minimum fine from \$100 to \$300. Additional civic penalties are also authorized. SB124, signed by Governor Schwarzenegger last fall, reinforces a CARB regulation that requires bus drivers to turn off their idling engines after reaching their destination within 100 feet of a school and to

restart the engine no more than 30 seconds before departing. Exemptions include idling in traffic, idling to ensure safe operating conditions of the bus, operating equipment needed by persons with disabilities, and climate control for children. The link http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0101-0150/sb_124_bill_20091011_chaptered.html provides more information.



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AWARDS AND RECOGNITION

The following table lists EPA and Department of Transportation (DOT) ARRA funds awarded for which idling reduction components have been explicitly described. For a complete list of EPA's National Clean Diesel Program

awards made through the Recovery Act, please go to <http://www.epa.gov/otag/diesel/projnational-aara.htm>. If you have idling reduction funding award news, please send it to idlingreduction@anl.gov.

ORGANIZATION	PURPOSE OF GRANT	FUNDING
New Orleans Public Belt Railroad	The retrofit of seven locomotives with start/stop devices	\$149,733
California DOT	Grade separation at the Alameda Corridor East Colton Crossing (of the Union Pacific Railroad and the BNSF Railway in San Bernardino County), one benefit of which will be the reduced congestion and idling of trains and road vehicles	\$33.8 million
San Diego Association of Governments (SANDAG)	Completion of a direct six-lane highway link to the Otay Mesa Port of Entry (the largest freight border crossing between California and Mexico), which will reduce congestion and truck idling	\$20.2 million

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB: 512 Diesel Vehicle Regulation Overview	Multiple	Multiple	http://www.arb.ca.gov/training/courses.php?course=512
Green Truck Summit	St. Louis, Missouri	March 9–12, 2010	http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx
CARB Public Meeting of the Incentive Programs Advisory Group	El Monte, California	March 10, 2010	http://www.arb.ca.gov/msprog/mailouts/msc1007/msc1007.pdf
Public Meeting to Consider Near-Term Revisions to the Lower-Emission School Bus Program Guidelines and the Carl Moyer Incentive Program Guidelines	Sacramento, California	March 25, 2010	http://www.arb.ca.gov/msprog/moyer/moyer.htm

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/
15th International Union of Air Pollution Prevention and Environmental Protection Associations' (IUAPPA) World Clean Air Congress	Vancouver, Canada	September 11–16, 2010	http://www.iuappa2010.com/
16th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	September 27–30, 2010	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html

MANUFACTURERS' NEWS

Espar's E-Guardian Heaters Receive EPA Validation

Early this month, Espar Heater Systems received notice of EPA validation of its E-Guardian heaters. The heaters, which are specifically designed for idle reduction in school buses, are the E-Guardian 5 (Hydronic D5), E-Guardian 8 (Hydronic D8), E-Guardian 10 (Hydronic D10), E-Guardian 12 (Hydronic D12), Airtronic D2, Airtronic D4, and Airtronic D5. For more information, please

see <http://www.espar.com/html/esparwebbus/schoolbus.html>. All EPA verified technologies may be found at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

PARKING SPACES FOR TRUCKS

South Carolina Shuttles Four Rest Areas

In a move to reduce costs, South Carolina's DOT closed four rest areas in January. The closed facilities are as follows: I-95, Florence County, mile marker 171, two rest areas, one serving northbound motorists and the other southbound motorists; I-85, Cherokee County, facility at mile marker

89; and I-26, Berkeley County, facility at mile marker 202. For more information, please see http://www.landlinemag.com/todays_news/Daily/2010/Jan10/012510/012710-02.htm and http://www.scdot.org/ArtMan/publish/article_954.shtml.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Association of Central Oklahoma Governments	School Bus Idling Reduction: Project Report and Implementation Guide for Oklahoma School Districts	http://www.acogok.org/
Truckinginfo.com	Idle Reduction: What's Right for Your Fleet?	http://www.truckinginfo.com/clean-green/news-detail.asp?news_id=68443&news_category_id=62
American Council for an Energy-Efficient Economy	Energy Efficiency Program Options for Local Governments under the American Recovery and Reinvestment Act of 2009	http://www.aceee.org/pubs/e09x.htm (to view abstract)

PORTS

Reservations for Trucks at Port

Marine Atlantic, which provides ferry transportation between Nova Scotia and Newfoundland, is seeking to improve the predictability of travel and delivery times and to reduce congestion by requiring reservations from trucks. Beginning March 15, all commercial vehicles intending to travel will need a reservation. According to a company press release dated February 12, 2010, Wayne Follett, President and CEO, said, "All of our customers will now arrive at a port for check-in with a reserved sailing date and time. This

new approach will replace the previous system whereby drivers rushed to the ports to be placed in a line-up for transportation that was based upon first come-first served." Please see <http://www.marine-atlantic.ca/en/commres/index.shtml> and <http://www.todaystrucking.com/news.cfm?intDocID=23353> for more information.

OTHER NEWS OF INTEREST

Idle Reduction Technology Falls Short in Toronto

A system implemented nearly 10 years ago to eliminate the need to idle bus engines during off-service hours has some Toronto taxpayers fuming. According to the *Toronto Sun*, an \$11.2 million system purchased by the Toronto Transit Commission (TTC) to keep buses parked overnight warm enough to start in the morning does not always work; on the coldest nights, bus engines are kept running. The newspaper claims that it found dozens of buses idling at 1:00 a.m. on a recent Saturday morning.

The Swedish idling reduction system, UWE, is essentially a central heating system for antifreeze. The antifreeze is heated in the bus garages and then pumped to the parked buses through overhead pipes, after which it is

returned and reheated. In a 2006 TTC Status Update, an official wrote, “The UWE system is less effective in temperatures below –15°C and when the system is needed most, it fails.”

For more information, please see

http://www3.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2006/May_17_2006/Other/UWE_Status_Update.jsp,

<http://www.torontosun.com/news/torontoandgta/2010/01/31/12688406.html>,

and

<http://www.torontosun.com/news/torontoandgta/2010/02/01/12701111.html>.

Source: Joe Tario, NYSERDA

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The DOE/EERE Alternative Fuels and Advanced Vehicles Data Center (AFDC) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, visit EPA’s SmartWay Transport website at

<http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

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State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi*	New York*	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	Tennessee	Wyoming*
Arkansas*	Hawaii	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by State law); States in **gray** do not permit the exemption; and States in **brown** have legislation in process.

Summary of State and Municipal Anti-Idling Regulations

The most-current information about anti-idling regulations, for both States and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0. If

information for your State or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see www.northeastdiesel.org/funding.htm; Mid-Atlantic Diesel Collaborative

(Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest Clean Diesel Initiative (Region 5), www.epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcdc.html; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/grants.htm.

Tools Available to Calculate the Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the costs and benefits of paying for and installing idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace

idling. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in orange. If you are aware of other sources of possible interest to newsletter readers, please let us know.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (http://www.autothermusa.com/idle_calc.html)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in six States. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator (afdc.energy.gov/afdc/progs/tse_listings.php).

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, and other related data. The maps enable visualization of the location of projects for specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.



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How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this pdf file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.

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SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CARB	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$20.4 million	First come, first served.	http://www.californiahvip.org
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbliip.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_rebate.htm
North Carolina Division of Air Quality	North Carolina State Auxiliary Power Unit and 2010 Compliant Heavy-Duty Truck Rebate Program	\$337,756 (as of January 19)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/
North Central Texas Council of Governments	Heavy-Duty Vehicle and Equipment Grant Program	\$2.03 million (as of January 25)	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org

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January 2010

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Wisconsin Department of Commerce	State Energy Program – Recovery Act (SEP-ARRA) — Clean Energy Business Loan Program	\$55 million	Rolling deadline until funds are awarded.	http://commerce.wi.gov/BD/BD-SEP-ARRA.html
U.S. Department of Transportation (DOT), Federal Transit Administration	FTA Bus and Bus Facilities Livability Initiative	\$150 million	February 8, 2010	http://www.fta.dot.gov/funding/grants_financing_7829.html
U.S. Environmental Protection Agency (EPA) Region 2	Environmental Quality Award	N/A	February 22, 2010	http://www.epa.gov/region2/eqa
EPA	Community Action for a Renewed Environment (CARE) Program	\$2 million	March 9, 2010	http://www.epa.gov/care/
The North Carolina Solar Center at NC State University	Clean Fuel Advanced Technology (CFAT) Project	\$700,000	March 15, 2010	http://www.engr.ncsu.edu/ncsc/transportation/funding.htm#CFAT
New York State Energy Research and Development Authority (NYSERDA)	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	March 22, 2010	http://www.nyserdera.org/funding/1613rfp.asp
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on June 2 and November 3, 2010	http://www.nyserdera.org/funding/1260pon.pdf
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

ATRI Updates List of Idling Regulations

The American Transportation Research Institute (ATRI) has updated its list of State and local idling regulations. The updated listing is provided as both a cab card, which can be downloaded and carried in the glove box of a truck, and an online compendium, which provides links to individual regulations.

Recent updates include the enactment of new limits in Chicago, Illinois, and the Ohio cities of Cleveland and Maple Heights. Changes to idling regulations in Illinois, New Jersey, and South Euclid, Ohio, are also noted. Please see www.atri-online.org for particulars on the update.

Vermont and Wisconsin Consider Idling Reduction Laws

As part of Wisconsin Governor Jim Doyle's Clean Energy Jobs Act, legislation that would restrict truck idling in the State was introduced January 7, 2010. Assembly Bill 649 and Senate Bill 450, now in committee, would prohibit freight truck drivers from idling their primary engine, on- or off-highway, for more than 5 minutes in any 60-minute period. There are a number of exceptions, including outdoor temperature.

According to *Land Line*, first-time violators could receive \$40 tickets, and repeat offenses within 1 year could result in fines of between \$100 and \$500. Subsequent offenses within 1 year could lead to fines of between \$500 and \$1,000. For more information, please visit http://www.landlinemag.com/todays_news/Daily/2010/Jan10/011810/012010-03.htm. An overview of the legislation is available at <http://legis.state.wi.us/lc/publications/climate/>.

In Vermont, where Burlington recently tightened its idling law from a maximum of 5 to 3 minutes, year round, the House Natural Resources and Energy Committee unanimously passed House Bill 97. Introduced in the 2009 legislative session, H.97 would restrict the idling of trucks weighing more than 10,000 pounds to 5 minutes or less in any 60-minute period. There would be some exemptions, such as for public safety vehicles. If the bill becomes law, Vermont would no longer be the only New England State to lack such an idling ban. For more information, please go to <http://www.burlingtonfreepress.com/article/20100121/NEWS02/1210314/Vermont-lawmakers-consider-crackdown-on-truck-idling>. To track the status of this bill, please click on <http://www.leg.state.vt.us/database/status/summary.cfm?Bill=H.0097&Session=2010>.

Idling "Sleeper Exemption" Expires Soon for Some States

In New Jersey, the "sleeper exemption" ends this spring. Beginning May 1, 2010, truckers who do not have a 2007 or newer engine, or a functioning diesel particulate filter, will no longer be able to idle during rest and sleep periods. According to ATRI, similar exemptions will soon expire for

Philadelphia (May 1, 2010) and Rhode Island (July 1, 2010). More information about the expiration of New Jersey's exemption is available at http://www.landlinemag.com/todays_news/Daily/2010/Jan10/011110/011510-03.htm and http://www.state.nj.us/dep/aqm/Sub14_Rule.pdf.

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AWARDS AND RECOGNITION

The following table lists EPA and Department of Energy (DOE) American Recovery and Reinvestment Act (ARRA) funds awarded for which idling reduction components have been explicitly described. For a complete list of EPA's National Clean Diesel Program awards made through the Recovery

Act, please go to <http://www.epa.gov/otaq/diesel/projnational-aara.htm>. If you have idling reduction funding award news, please send it to idlingreduction@anl.gov.

ORGANIZATION	PURPOSE OF GRANT	TOTAL FUNDING
Cummins Inc.	Development and demonstration of a highly efficient and clean diesel engine, an advanced waste heat recovery system, an aerodynamic Peterbilt tractor and trailer combination, and a fuel cell auxiliary power unit (APU) to reduce engine idling	\$38,831,115
Navistar, Inc.	Development and demonstration of technologies to improve truck and trailer aerodynamics, combustion efficiency, waste heat recovery, hybridization, idle reduction, and reduced rolling resistance tires	\$37,328,933
NC Solar Center at North Carolina State University and Wake Technical Community College	Presentation of 48 workshops across the country to raise awareness about alternative fuels and clean transportation technologies, including idle reduction	\$301,852
TMC Transportation, Des Moines, Iowa	Installation of APUs on 100 flatbed trucks	\$680,500

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB: 512 Diesel Vehicle Regulation Overview	Multiple	Multiple	http://www.arb.ca.gov/training/courses.php?course=512
Proposed Revisions to National Standards for Ground-Level Ozone — Public hearings	Arlington, Virginia, Houston, Texas, and Sacramento, California	February 2, 2010 (Arlington and Houston), and February 4, 2010 (Sacramento)	http://www.epa.gov/air/ozonepollution/actions.html#jan10s

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
EPA — CARE Request for Proposals (Q&A Webcast)	Webcast	February 2, 23, and 26, 2010	http://www.epa.gov/care/ (Registration information will be available on http://www.cluin.org/live/#upcoming this site in January and February)
CARB Workshop — Concepts for Reducing Greenhouse Gases from Medium- and Heavy-Duty Vehicles Through Truck Hybridization	Sacramento, California (Webcast also)	February 3, 2010	http://www.arb.ca.gov/msprog/mailouts/msc1001/msc1001.pdf
Climate Change and Ships: Increasing Energy Efficiency Symposium	Linthicum, Maryland	February 16 and 17, 2010	http://www.sname.org/SNAME/climatechange/Home/Default.aspx
Fuel: Idle Reduction and Economy (FIRE) Workshop	Tulsa, Oklahoma (webinar option also available)	February 24, 2010	cleantransportation@ncsu.edu or (919) 513-0852
Green Truck Summit	St. Louis, Missouri	March 9–12, 2010	http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/

MANUFACTURERS' NEWS

Mentor Fleet Monitor Tracks Unnecessary Idling

Mentor Fleet, based in Alberta, Canada, now offers a system to track unnecessary idling and excessive speed in fleets. With the Mentor Fleet Monitor, a mobile computing device collects information — including idling time, number of idling events, the locations of idling events, and the amount of fuel used — and relays it to a server hosted by Mentor. If an

idling or excessive-speed event occurs, data from the in-vehicle device is sent to Mentor, where reports are created for the client. Reports can include the costs of idling events. Clients can customize reports for each vehicle in its fleet. For more information, please go to http://www.mentoreng.com/products/fleet_monitoring/index.html.

PARKING SPACES FOR TRUCKS

IdleAire Shuts Down

Unable to find a buyer for its assets, IdleAire, Inc., provider of truck stop electrification, announced January 28 that it was ceasing operations. In May 2008, the company, headquartered in Knoxville, Tennessee, declared bankruptcy and was subsequently purchased by a group of investment management companies. IdleAire operated more than 100 locations, and

thousands of parking spaces, in 34 states. According to the *Knoxville News Sentinel*, 315 employees will be laid off. More information may be found at http://www.landlinemag.com/todays_news/Daily/2010/Jan10/012510/012810-01.htm, <http://www.knoxnews.com/news/2010/jan/28/idleaire-shutting-its-doors/> and <http://www.idleaire.com>.

Virginia Rest Areas to Reopen

Recently inaugurated Virginia Governor Bob McDonnell announced that all 19 rest area and welcome center operations shuttered last summer will reopen between mid-February and mid-April of this year. The Virginia Department of Transportation (VDOT) will use \$3 million from its maintenance reserve fund to operate the facilities through the remainder of this fiscal year, which ends June 30. As it revises its maintenance budget this spring, VDOT will identify long-term funding for the rest areas. The

administration will work with business leaders around the State to develop an “Adopt a Rest Stop” program to permit private-sector contributions to defray operation costs. More information is available at <http://www.governor.virginia.gov/news/viewRelease.cfm?id=23>, and a map of the reopened facilities is available at http://www.virginiadot.org/news/resources/Statewide/repopen_Map_011510.pdf.

PORTS

Cold Ironing at Port of Oakland

California’s Bay Area Air Quality Management District (BAAQMD) and global container-transportation company APL announced last month an \$11 million project to reduce vessel emissions at the Port of Oakland. With the aid of \$4.8 million in air quality grants, APL will retrofit its terminal and vessels for “cold-ironing” (the use of shoreside electrical power). Regulations mandating cold ironing in California take effect in 2014.

According to the BAAQMD, APL will be the first carrier or terminal operator at the port to provide shoreside power for vessels. For more information, please go to <http://www.baaqmd.gov/> or <http://www.baaqmd.gov/~media/Files/Communications%20and%20Outreach/Publications/News%20Releases/2009/121809%20Clean%20Air%20Grant.ashx>.

OTHER NEWS OF INTEREST

Public Fleets Test Idle Reduction Equipment

The Portland, Maine, Police Department is testing the IDLERIGHT Fuel Management System, a system that enables a vehicle's battery to power warning lights, computer, and video without the need to run the vehicle's engine continuously. The system monitors the car's battery strength and automatically starts the engine to recharge the battery when it runs low. When the battery is recharged, the system shuts the engine off. According to the manufacturer's website, because the system does not require that a key be in the ignition, risk of theft is reduced. Please see <http://www.policeone.com/police-products/vehicles/articles/1972836-Maine-city-testing-way-to-cut-police-cruisers-gas-use/> and <http://www.havis.com/idleright.htm> for more information.

The Dallas, Texas, Police Department's use of idling reduction equipment, covered in the September 2009 issue of this newsletter, was highlighted in television news magazine, *MotorWeek*. *MotorWeek* teamed up with Clean Cities to create biweekly segments showcasing Clean Cities coalition efforts to expand the use of alternative fuels and advanced vehicles and technologies. To see the segment about the Dallas Police Department's use of Energy Xtreme's Independence Package, which originally aired November 27, 2009, please visit

http://www.afdc.energy.gov/afdc/mw_dallas_police.html.

MOVES2010: EPA's New Motor Vehicle Emissions Simulator

In December, EPA released the final version of its Motor Vehicle Emissions Simulator Model, MOVES2010. As EPA's latest mobile source emission model, MOVES2010 replaces EPA's previous mobile source emission model, MOBILE6.2.

EPA will be publishing a notice of availability in the *Federal Register* to approve MOVES2010 for meeting official State Implementation Plan (SIP) and transportation conformity requirements. Upon publication of the *Federal Register* notice, MOVES2010 will become EPA's approved motor vehicle emission factor model for estimating volatile organic compounds,

nitrogen oxides, carbon monoxide, direct particulate matter, and other pollutants and precursors from cars, trucks, motorcycles, and buses by State and local agencies outside California. EPA intends to include in the notice a 2-year grace period for the use of MOVES2010 for transportation conformity purposes.

To learn more about the new model and to access supporting documentation and guidance documents, please click on <http://www.epa.gov/otaq/models/moves/index.htm>.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The DOE/EERE Alternative Fuels and Advanced Vehicles Data Center (AFDC) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi*	New York*	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	Tennessee	Wyoming*
Arkansas*	Hawaii	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana*	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by State law); States in **gray** do not permit the exemption; and States in **brown** have legislation pending.

Summary of State and Municipal Anti-Idling Regulations

The most-current information about anti-idling regulations, for both States and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0. If information for your State or municipality is outdated or erroneous, please

let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see www.northeastdiesel.org/funding.htm; Mid-Atlantic Diesel Collaborative

(Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest Clean Diesel Initiative (Region 5), www.epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), www.blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), www.epa.gov/region8/air/rmcdc.html; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), www.westcoastcollaborative.org/grants.htm.

Tools Available to Calculate the Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the costs and benefits of paying for and installing idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace

idling. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in orange.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (http://www.autothermusa.com/idle_calc.html)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)



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- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

If you are aware of other sources of possible interest to newsletter readers, please let us know.

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 35 States. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator (http://www.afdc.energy.gov/afdc/progs/tse_listings.php).

Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free

Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, and other related data. The maps enable visualization of the location of projects for specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

How to Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues is available on the site; this pdf file is especially useful for conducting searches of all issues of the newsletter.

Please be mindful that web links may expire or move over time and that some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype the URL in your browser window.



National Idling Reduction Network News

January 2010

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NATIONAL IDLING REDUCTION NETWORK NEWS

December 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry since last month.]

Organization	Project	Funding	Deadline	Website
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.energymaine.com/business_programs_sbllp.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_rebate.htm
North Carolina Division of Air Quality	North Carolina State Auxiliary Power Unit and 2010 Compliant Heavy-Duty Truck Rebate Program	\$517,500	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/



Organization	Project	Funding	Deadline	Website
North Central Texas Council of Governments	Heavy-Duty Vehicle and Equipment Grant Program	\$10.7 million	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdveqp/
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Wisconsin Department of Commerce	State Energy Program – Recovery Act (SEP-ARRA) — Clean Energy Business Loan Program	\$55 million	Rolling deadline until funds are awarded.	http://commerce.wi.gov/BD/BD-SEP-ARRA.html
New York State Energy Research and Development Authority (NYSERDA)	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Connecticut Office of Policy and Management	Supplemental Regional Bonus Pool Block Grant Program	\$9,593,500	January 8, 2010	http://74.125.95.132/search?q=cache:JEwwGKfkcpUJ:www.das.state.ct.us/rfpdoc/OPM03/bids/opm_energy_eecbg_bonus_pool_110209.pdf+EECBG+%22idle+reduction%22&cd=7&hl=en&ct=clnk&gl=us
California Energy Commission	Alternative and Renewable Fuel and Vehicle Technology Program (PON 09-006)	\$13.8 million	January 11, 2010	http://www.energy.ca.gov/contracts/PON-09-006/
California Energy Commission	Energy Efficiency and Conservation Block Grant (PON 09-001)	\$35.5 million	January 12, 2010	http://www.energy.ca.gov/contracts/recovery.html#eecbg



Organization	Project	Funding	Deadline	Website
Missouri Department of Natural Resources	Energize Missouri Communities — Energy Efficiency and Conservation Block Grant Program	\$12.5 million	January 15, 2010	http://dnr.mo.gov/transform/energizemissouricommunities.htm
Pennsylvania Department of Environmental Protection	Small Business Advantage Grant Program	\$1 million	January 15, 2010, or when funds run out	http://www.depweb.state.pa.us/enintech/cwp/view.asp?a=1413&q=503219
Environmental Protection Agency (EPA)	Community Action for a Renewed Environment (CARE) Program	\$2 million	March 9, 2010	http://www.epa.gov/care/
NYSERDA	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	March 22, 2010 (new deadline)	http://www.nyserda.org/funding/1613rfp.asp
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	\$1+ million	August 31, 2010	https://csswebform.org/WebForm/RebateIntro.aspx
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublic/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf



REGULATORY NEWS

Federal Tax Credit Proposed

On December 9, 2009, Senators Herb Kohl (D-WI) and Orrin Hatch (R-UT) introduced legislation that would provide a tax credit for purchasers of hybrid and plug-in hybrid heavy-duty trucks. One component of the bill, S. 2854 ("Bill to Amend the Internal Revenue Code of 1986 To Extend and Modify the Credit for New Qualified Hybrid Motor Vehicles, and for Other Purposes"), includes a tax credit of up to \$3,500 for idle reduction technology, including the installation

of electrification units at truck stops. The proposed tax credit would end in 2014. The bill has been referred to committee. Please see http://kohl.senate.gov/newsroom/pressrelease.cfm?customel_dataPa gelD_1464=3252 for more information. To read bill and follow its progress, please go to <http://www.govtrack.us/congress/bill.xpd?bill=s111-2854>.

CARB Issues Shore Power Compliance Advisory

CARB has issued an advisory for 1) operators of terminals that have shore power infrastructure, and 2) vessel operators of fleets that choose the Reduced Onboard Power Generation (Shore Power) option and have vessels in their fleet that are shore-power equipped and visit a berth that has compatible shore power. Starting January 1, 2010, shore-power equipped ships visiting berths that are equipped with compatible shore-power infrastructure must connect during every

visit to that berth. Exceptions apply for emergency events. There are also record-keeping requirements for both terminal operators and fleet/vessel operators.

Please see <http://www.arb.ca.gov/regact/2007/shorepwr07/93118-t17.pdf> for more information.

TCEQ Accepting Public Comment on Emissions Reduction Incentive Grants

The Texas Commission on Environmental Quality (TCEQ) is accepting written and oral public comments on the *Texas Emissions Reduction Plan – Guidelines for Emissions Reduction Incentive Grants* (RG-388), in accordance with Texas Health and Safety Code §386.053(d). The guidelines have been revised to include policy changes and statutory changes from House Bill 1796 enacted by the

81st Texas Legislature. A public meeting will be held January 7, 2010, at the Texas Commission on Environmental Quality, Austin, Texas. Comments, which may be sent to terp@tceq.state.tx.us, must be received by 5:00 p.m. CST on January 15, 2010. The link <http://www.tceq.state.tx.us/implementation/air/terp/> provides more information.



AWARDS AND RECOGNITION

IDLERIGHT™ Receives Innovation Award

The IDLERIGHT Vehicle Idle Fuel Management System was recognized at the October 2009 meeting of the International Association of Chiefs of Police, in Denver, Colorado. Havis, Inc., which manufactures the IDLERIGHT, received the 2009 Innovation Award of the Year in the category of Vehicles & Vehicle Accessories. The device powers the vehicle's warning lights until the battery voltage falls below a preset threshold, at which time it starts the

vehicle and idles the engine sufficiently to recharge the battery. Once the battery is recharged, the engine shuts off. The IDLERIGHT works with both gasoline and diesel engines. The links [http://www.officer.com/web/online/Top-News-Stories/2009-Innovation-Awards-Presented/1\\$48788](http://www.officer.com/web/online/Top-News-Stories/2009-Innovation-Awards-Presented/1$48788) and <http://www.havis.com/idleright.htm> provide more information.

More Recovery Act Funding Awards Announced

The following table lists EPA American Recovery and Reinvestment Act (ARRA) funds awarded for which idling reduction components have been explicitly described. For a complete list of EPA's National Clean Diesel Program awards made through the Recovery Act,

please go to <http://www.epa.gov/otaq/diesel/projnational-aara.htm>. If you have idling reduction funding award news, please send it to idlingreduction@anl.gov.

Organization	Purpose of Grant	Total Funding
Cascade Sierra Solutions	Replacements, exhaust retrofits, repowers, idle reduction technology, aerodynamic technology, and new tires for heavy-duty diesel-powered vehicles	\$9 million
Michigan – Southwest Detroit Environmental Vision	Clean diesel projects, including idle reduction	\$370,367
Port of Tacoma	Installation of a shore-side electrical connection system and alternative maritime power, and the retrofitting of two ocean-going vessels	\$1,488,080



UPCOMING MEETINGS, WEBINARS, AND EVENTS

[Red text indicates a new entry since last month.]

Meeting	Location	Date	Website or Contact
Transportation Research Board (TRB) 89th Annual Meeting	Washington, D.C.	January 10–14, 2010	http://www.trb.org/AnnualMeeting/default.asp
Society of Automotive Engineers Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 26–29, 2010	http://www.sae.org/events/gim/
Climate Change and Ships: Increasing Energy Efficiency Symposium	Linthicum, Maryland	February 16 and 17, 2010	http://www.sname.org/SNAME/climatechange/Home/Default.aspx
Green Truck Summit	St. Louis, Missouri	March 9–12, 2010	http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/

MANUFACTURERS' NEWS

Thermo King Discounts

Thermo King is offering discounts on preventative maintenance services for the TriPac Hybrid Auxiliary Idle Reduction and Temperature Management System. Savings of up to \$40 are available for these services, as well as for heater services and filter kits. This

promotion is available through January 29, 2010, at participating Thermo King dealers.

<http://www.todaystrucking.com/news.cfm?intDocID=22873>.



PARKING SPACES FOR TRUCKS

Reduced Hours for Some Maryland Rest Areas

Beginning this month, Maryland's Department of Transportation State Highway Administration (SHA) is shortening service hours (to primarily daytime hours) at several rest areas. One rest area has been closed. According to SHA, these changes will save the State more than \$567,000 in lighting, water, staffing, and supply costs. For more

information, please see

<http://www.marylandroads.com/Index.aspx?PageId=250> and http://www.landlinemag.com/todays_news/Daily/2009/Dec09/120709/121009-02.htm.

REPORTS AND OTHER RESOURCES OF INTEREST

Source	Title	Website or Contact
Northeast States Center for a Clean Air Future (NESCCAF), the International Council on Clean Transportation (ICCT), Southwest Research Institute, and TIAX, LLC	Reducing Heavy-Duty Long Haul Combination Truck Fuel Consumption and CO ₂ Emissions	www.nesccaf.org
Federal Railroad Administration	Final Report: Comparative Evaluation of Rail and Truck Fuel Efficiency on Competitive Corridors	http://www.fra.dot.gov/Downloads/Comparative_Evaluation_Rail_Truck_Fuel_Efficiency.pdf
TRB	Communicating Transportation, Energy, and Climate Change Concepts to the Public: TRB Contest Identifies Exemplary Efforts	http://onlinepubs.trb.org/onlinepubs/trnews/trnews264special.pdf
Environmental Defense Fund	Poland Springs Reduces Idling To Curb Emissions	http://innovation.edf.org/page.cfm?tagid=31208
Port of Long Beach	Pulse of the Port: Cold Ironing	http://www.youtube.com/watch?v=me0bDMP0WKc&feature=youtube_qdata



OTHER NEWS OF INTEREST

EDF Case Study: Poland Springs Reduces Truck Idling

The Environmental Defense Fund (EDF) has published a brief case study on the efforts of Poland Springs, purveyor of bottled water, to reduce emissions with the use of biofuels and the sharp reduction of truck fleet idling time. According to *Poland Spring Reduces Idling To Curb Emissions*, the company reduced idling time from 1,400 hours in February 2007 to 380 hours in February 2009. After having installed onboard computers on its trucks (primarily to serve as electronic logbooks), Poland Springs found that the

computers collected additional information, including data that could be used to assess idling time. With the use of monitoring and incentives, Poland Springs drove down vehicle idling time. This change led to not only a decrease in emissions, but, in 2008, a reduction of about \$20,000 in fuel costs. Please see www.edf.org/documents/10639_EDFCasestudy_PolandSpring.pdf for more information.

Decreased Vehicle Idling Benefits Cox Communications

Cox Communications, a national telecommunications provider headquartered near Atlanta, Georgia, undertook a pilot study to measure a number of fleet operational efficiencies, including vehicle speed, mileage, engine performance, and engine idle time. The engine bus monitoring component of the GPS technology that Cox used provided data for the study.

In the study, “triggers” were used to alert one group of field service representatives to turn off their engines. An engine monitoring feature allowed for the setting of “idle triggers” after 5, 10, and 15 minutes of

idle time. For a concurrent baseline group, no triggers were used. The “triggered” group averaged an engine idle time of 11 minutes per field service representative per day; the baseline group averaged 96 minutes per day.

Cox Communications has a fleet of 9,000 vehicles. For more information about the pilot study, please visit http://www.cable360.net/ct/sections/features/GPS-Sustains-Field-Ops_38726.html.



RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of the newsletter, you may find all issues at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues now resides on the site; this pdf file is especially useful for conducting searches of *all* issues of the newsletter.

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Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that

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- Autotherm (http://www.autothermusa.com/idle_calc.html)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W/HATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9>

[d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc](http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html)

- Kenworth (<http://www.kenworth.com>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Thermo King (<http://www.thermoking.com/tripac/>)



- Webasto
(http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in August 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The Department of Energy (DOE) Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated. The West Coast Diesel Collaborative has a comprehensive listing of

grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://westcoastcollaborative.org/programs.htm>.

Clean Cities, SmartWay Websites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, Shorepower Technologies, and EnviroDock installations are listed in this locator. Please go to

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The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling



laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the

nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

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Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	Tennessee	Wyoming*
Arkansas*	Hawaii	Maine	Nebraska	Ohio*	Texas*	
California	Idaho*	Maryland*	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana*	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by State law); States in **gray** do not permit the exemption; and States in **red** have legislation pending.



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Writer

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product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof.



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NATIONAL IDLING REDUCTION NETWORK NEWS

November 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry since last month.]

Organization	Project	Funding	Deadline	Website
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California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www efficiencymaine.com/business_programs_sbilip.htm
Environmental Finance Center, University of Maryland	Port of Baltimore Clean Diesel Program (including Locomotive Engine Idle Reduction Grant Sub-Program)	\$3.5 million	Rolling deadline until funds are awarded.	http://www.efc.umd.edu/cleandiesel.html
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_rebate.htm
North Carolina Division of Air Quality	North Carolina State Auxiliary Power Unit and 2010 Compliant Heavy-Duty Truck Rebate Program	\$517,500	Rolling deadline until the funds are awarded or September 30, 2010	http://www.ncair.org/motor/Rebates/
North Central Texas Council of Governments	Heavy-Duty Vehicle and Equipment Grant Program	\$10.7 million	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/



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Tennessee Department of Environment and Conservation	Idle Smart Clean Diesel Grant Program	\$1.73 million	Rolling deadline until funds are awarded.	http://www.tn.gov/environment/recovery
U.S. Environmental Protection Agency (EPA)	National Clean Diesel Funding Assistance Program, FY2009/2010	~ \$64 million	December 8, 2009	http://www.epa.gov/air/grants_funding.html
EPA	Clean Diesel Emerging Technologies Funding Assistance Program, FY2009/2010	~ \$8 million	December 8, 2009	http://www.epa.gov/air/grants_funding.html
EPA	SmartWay Clean Diesel Finance Program, FY2009/2010	~ \$12 million	December 8, 2009	http://www.epa.gov/air/grants_funding.html
EPA	Environmental Education Grants	\$3.4 million	December 15, 2009	http://www.epa.gov/enviroed/grants.html
Idaho Office of Energy Resources	Financial Incentives: Energy Efficiency and Conservation	\$9,593,500	December 18, 2009	http://www.energy.idaho.gov/stimulus/d/eeecbg_rfp_amendment_11_9_09.pdf
Kentucky Department for Local Government	Energy Efficiency and Conservation Block Grant	\$6.25 million	December 18, 2009	http://www.dlg.ky.gov/downloads/ (scroll down to Energy Efficiency and Conservation Block Grants)
Tennessee Department of Transportation	Truck Stop Electrification Technology Grant Project	\$2 million	December 18, 2009	http://www.tdot.state.tn.us/environment/policy/tse.htm
New York State Energy Research and Development Authority (NYSERDA)	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	Rounds close on December 21, 2009, and February 16, 2010	http://www.nyserda.org/funding/1613rfp.asp



Organization	Project	Funding	Deadline	Website
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NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Connecticut Office of Policy and Management	Supplemental Regional Bonus Pool Block Grant Program	\$9,593,500	January 8, 2010	http://74.125.95.132/search?q=cache:JEwwGKfkcpUJ:www.das.state.ct.us/rfpdoc/OPM03/bids/opm_energy_ee_cbg_bonus_pool_110209.pdf+EECBG+%22idle+reduction%22&cd=7&hl=en&ct=clnk&gl=us
California Energy Commission	Energy Efficiency and Conservation Block Grant (PON# 09-001)	\$35.5 million	January 12, 2010	http://www.energy.ca.gov/contracts/recovery.html#eecbg
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

Higher Fine for Unattended Vehicle Idling in New York City

As of November 17, 2009, Int. No. 947-A makes it unlawful for any person driving or in charge of a motor vehicle in New York City to leave it unattended for any period of time without first shutting off the engine. Previously, the person in charge of such a vehicle would have been subject to a \$5 fine. Now, if the motorist is convicted of leaving the vehicle unattended and idling, the conviction comes with a \$250

fine and imprisonment of up to 2 days or both. A law enforcement officer can take the key from the unattended, idling vehicle to the nearest precinct house for retrieval by the operator of the vehicle.

Utility vehicles operating power-takeoff devices and other vehicles in their work zone are exempt from this new law, as long as these



vehicles are secured in place by means of emergency brakes and chocked tires. More information is available at <http://legistar.council.nyc.gov/LegislationDetail.aspx?ID=452487&GUID=CC83160C-1409-4648-8720->

[01573FA04C4E&Options=ID|Text|&Search=unattended](#) for more information.

Vermont May Make It 6 for 6 for New England States and Anti-Idling Laws

Land Line reports that Vermont may restrict idling of all vehicles weighing more than 10,000 pounds. Currently, the State's only idling regulation is one that limits school buses from idling on school grounds. The bill has been introduced at the committee level, but had not made it out of committee before the legislature adjourned. The bill is expected to be reintroduced in the regular session early next year. Elements of the current bill include a \$500 fine and an idling

allowance of 5 minutes in any 60-minute period. As currently drafted, however, there is no exemption for extreme temperatures. For more information, please go to http://www.landlinemag.com/todays_news/Daily/2009/Nov09/112309/112409-05.htm and <http://www.leg.state.vt.us/database/status/summary.cfm?Bill=H.0097&Session=2010>.

AWARDS AND RECOGNITION

KLLM Recognized for Idle Reduction Initiatives

KLLM Transport Services of Jackson, Mississippi, recently received Chiquita's 2009 Green Transportation Excellence Award. The award honors the company's programs to improve fuel efficiency, reduce emissions, and care for the environment.

KLLM, a member of the EPA's SmartWay Transport Partnership, has invested millions of dollars to improve its fuel usage and reduce its carbon footprint. According to the company's press release, it has installed auxiliary power units (APUs) on 631 trucks (representing 54

percent of its fleet) and closely monitors tire inflation; it has also paid more than \$1 million in fuel economy bonuses to drivers who meet stringent idle reduction goals and has performed clean idle air upgrades to all of its tractor engines. The company claims that, in the past year alone, overall fleet idling has been reduced from 34 percent to 19 percent. For more information, please see http://refrigeratedtrans.com/carriers-shippers/kllm_receives_chiquita_excellence_award_1103/.



More Recovery Act Funding Awards Announced

The following table lists EPA American Recovery and Reinvestment Act (ARRA) funds awarded for which idling-reduction components have been explicitly described. For a complete list of EPA's National Clean Diesel Program awards made through the Recovery Act,

please go to <http://www.epa.gov/otaq/diesel/projnational-aara.htm>. If you have idling-reduction funding award news, please send it to idlingreduction@anl.gov.

Organization	Purpose of Grant	Total Funding
Bestmark Express, Inc., Chase County, Kansas	Idle reduction, engine repowers, and tire and aerodynamic technologies	Amount unknown
Circle L Trucking, Cowley County, Kansas	Idle reduction	Amount unknown
Thomas & Sons Trucking, Osborne County, Kansas	Idle reduction	Amount unknown
Orleans Parish, Louisiana	Upgrading of locomotives with idle reduction systems	Amount unknown
Southwest Detroit Environmental Vision, Detroit, Michigan	Engine repowers of nonroad construction equipment, short-haul on-road vehicles, and marine ferry engines, plus idle reduction technology in tire loaders and diesel retrofit devices on highway vehicles	\$370,367
Whiteline Express, Ltd., Plymouth, Michigan	Installation of APUs on long-haul truck fleet	\$79,200

UPCOMING MEETINGS, WEBINARS, AND EVENTS

[Red text indicates a new entry since last month.]

Meeting	Location	Date	Website or Contact
CARB Public Workshop on the Development of the AB 118 Air Quality Improvement Program FY 2010–11 Funding Plan and Modification to the AB 118 Guidelines	Sacramento, California (or http://www.calepa.ca.gov/broadcast/ via Web)	December 8, 2009	http://www.arb.ca.gov/msprog/aqip/meetings/fy2010-11.htm



Meeting	Location	Date	Website or Contact
Transportation Research Board (TRB) 89th Annual Meeting	Washington, D.C.	January 10–14, 2010	http://www.trb.org/AnnualMeeting/default.asp
Green Truck Summit	St. Louis, Missouri	March 9–12, 2010	http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/

MANUFACTURERS' NEWS

Exide Introduces New Battery for Idling Reduction

Exide Technologies has announced a new battery, the Extreme Cyclor 200. Engineered for commercial vehicles' high energy needs and increasing idling-reduction mandates, the battery is suited for over-the-road vehicles; delivery vehicles; and emergency vehicles where lights, communication devices, and life-support systems require

power during long idling periods. The manufacturer claims that the battery is maintenance-free, with a 50-percent longer cycle life, and three times better vibration protection than conventional flooded product. For more information, please go to http://www.exide.com/portal/server.pt/community/news_community/213.

PARKING SPACES FOR TRUCKS

Truck Parking in Canada

To measure the supply and demand of truck parking in Canada, Transport Canada is conducting a survey with industry partners. Information sought includes: truck drivers' parking habits and preferences while traveling in Canada; areas where designated truck parking might be difficult to find; and how any possible shortages of

parking might affect safety, productivity, and personal well-being. The survey link is at <http://www.obac.ca/Web/>. Please see http://www.landlinemag.com/todays_news/Daily/2009/Nov09/111609/112009-04.htm for more information.



SCHOOL BUSES

Alabama Schools Adopt “No Idling” Campaign

The Alabama Department of Environmental Management, in partnership with the Alabama Department of Public Health and the Alabama Department of Education, has developed a No-Idling Campaign aimed at reducing automobile emissions near schools. The campaign consists of posting No-Idling signs around schools and an awareness campaign to inform parents, bus drivers, and school

administrators of the potential health impacts of leaving vehicles idling, particularly at schools. As part of the awareness campaign, parents of schoolchildren are able to sign a No Idling Pledge to document their commitment to this effort. More information is available at <http://www.adem.state.al.us/PressReleases/pressreleases.htm>.

Fewer School Buses Idling in Arizona

The Arizona Department of Environmental Quality (AZDEQ) announced in early November that nine schools in the Maricopa Unified School District 20 have joined the Department’s School Bus Anti-Idling Program. A total of 157 school districts, including 1,024 schools, 4,841 school buses, and more than 710,000 students, participate in the AZDEQ program, which began in 2004.

Schools participating in the program require that bus drivers turn off their engines when they arrive at a loading or departure spot on school grounds and not turn the engine on again until the bus is ready to depart. Buses also must be parked at least 100 feet from a school air-intake system. For more information about the program, please contact Julie Finke at jac@azdeq.gov.

REPORTS OF INTEREST

Source	Title	Website or Contact
Federal Railroad Administration 2009, RR 09-18	Locomotive Exhaust Emissions	http://www.fra.dot.gov/us/content/194 (pdf)



OTHER NEWS OF INTEREST

Idling Guidance “Straight from the Horse’s Mouth”

Idle-Free VT now has a downloadable source for some vehicle owner’s manuals available at Edmunds.com. Many of these manuals recommend avoiding excessive idling for reasons of engine wear and fuel waste, both for cold and warmed-up vehicles. The Idle-Free VT website and Idling Facts page now have prominent links to the

owner’s manual page (<http://idlefreevt.org/manuals.index.html>); sample manual pages highlight idling information for certain 2009 models. According to the Idle-Free VT website, “Advice from vehicle manufacturers, straight from the ‘horse’s mouth,’ is an effective way to change motorist’s idling behavior.”

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of the newsletter, you may find all issues at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues now resides on the site; this pdf file is especially useful for conducting searches of *all* issues of the newsletter.

Please be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling

reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (http://www.autothermusa.com/idle_calc.html)



- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm>)

[m?sectionNumber=13361&nodeNumber=1&contentNumber=102](http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A))

- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Thermo King (<http://www.thermoking.com/tripac/>)
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Arizona	Georgia	Louisiana	Montana	North Dakota	Tennessee	Wyoming
Arkansas	Hawaii	Maine	Nebraska	Ohio	Texas	
California	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts*	New Hampshire	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption; States in **gray** do not permit the exemption. *Legislation pending to allow exemption.



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product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof.



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NYSERDA	School Bus Idling Reduction Program for Westchester, Putnam, and Dutchess Counties	~\$444,000	Rolling (until December 30, 2009)	http://www.nyserda.org/funding/1616pon.asp
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf



REGULATORY NEWS

Massachusetts Looks Toward 400-lb Exemption, New Truck Idling Law

Another State is moving toward adopting the 400-lb exemption. Sponsored by Massachusetts State Representative Theodore Speliotis, D-Danvers, Bill H3334 would allow trucks with auxiliary power units (APUs) in the Commonwealth to weigh up to an additional 400 pounds as allowed by the Energy Policy Act of 2005. The link <http://www.mass.gov/legis/bills/house/186/ht03/ht03334.htm> provides the text of the bill.

Massachusetts is also considering changes to its idling law. Currently, idling is limited to no more than 5 minutes per hour with a few

exceptions, including: vehicles engaged in the delivery or acceptance of goods, wares, or merchandise for which engine assisted power is necessary and substitute alternate means cannot be made available.” Under the new law, no load/unload location owner shall cause vehicles to idle for a period greater than 30 minutes while waiting to load or unload at a location under their control” and would be subject to fines of not more than \$100 for a first offense and not more than \$500 for a subsequent offense (<http://www.mass.gov/legis/bills/house/186/ht03/ht03641.htm>). Thus, location owners, in addition to drivers, could be fined.

Chicago: 3-Minute Idling Limit for Diesel Vehicles

On October 7, 2009, Chicago passed an ordinance that limits engine idling of a diesel-powered vehicle to no more than 3 minutes in any 60-minute period. Exemptions include, among others, emergency vehicles and any vehicle when the temperature is less than 32°F or greater than 80°F. The penalty for violation is \$250. The new Chicago

ordinance can be found [here](#). The State of Illinois has its own idling regulation, which limits idling to 10 minutes within any 60-minute period, for diesel vehicles weighing more than 8,000 lbs (GVW) and sleepers and vehicles in queue.

Delaware's Idling-Reduction Regulation to Become Part of SIP

EPA proposes to approve Delaware's State Implementation Plan (SIP) revision for the purpose of reducing engine idling time for the operation of most heavy-duty motor vehicles in the State, with certain exceptions. On October 8, 2009, EPA issued a direct final rule, –Approval and Promulgation of Air Quality Implementation Plans; Delaware; Regulation To Reduce Idling of Heavy-Duty Vehicles.”

The Agency stated that it is approving Delaware's SIP submittal as a direct final rule without prior proposal because it considers this to be a noncontroversial submittal and anticipates no adverse comments. The comment period ends November 9, and the rule should be effective December 7. For more information, go to www.epa.gov/fedrgstr/EPA-AIR/2009/October/Day-08/a24187.pdf.



CARB Updates “Truck Stop” Website

CARB’s new truck stop” website has two new links about California’s clean air requirements, including information about its Diesel Regulation Overview Course (Course 512), which covers several new and existing regulations designed to reduce diesel emissions. Also

available is an electronic version of CARB’s Clean Truck, Bus, and Trailer Requirements Brochure. Please visit <http://www.arb.ca.gov/msprog/truckstop/truckstop.htm>.

Philadelphia: Report Illegal Idling by Web

Witnessing illegal idling of trucks or buses in Philadelphia? Now you may use your mobile device to report the violation to <http://idlefreephilly.org/> (or 877-853-1552). The web-based tool uses the free software, SeeClickFix, a community-mapping platform that allows residents to report problems in their neighborhoods to city officials. According to the IdleFreePhilly website, Air Management

Services and the Clean Air Council will receive e-mail notifications, and, if enough information is provided, the city’s clean air agency can issue a ticket. The Clean Air Council will work with communities to address idling hot spots to develop effective means of tackling the problem. In Philadelphia, it’s against the law for a truck or bus to idle for more than 5 minutes.

AWARDS AND RECOGNITION

2009 SmartWay Environmental Excellence Awards

On October, 6, 2009, EPA recognized 37 organizations with SmartWay Transport Partnership Excellence Awards. These awards spotlight freight industry leaders that have made significant contributions to protecting the environment through their participation in the Partnership. Of the winners, 21 have explicit idling-reduction components.

- **Best Buy Co., Inc.**, requires drivers to shut off trucks while loading or unloading on Best Buy property.
- **Bison Transport, Inc.**, purchased APUs for 391 sleeper cabs.
- **C.R. England, Inc.**, invested in logistics solutions that included optimizing down time, resulting in reduced engine idling.
- **Cascade Sierra Solutions** is a clearinghouse for information on fuel-saving strategies, SmartWay-recommended technologies, and lower-interest financing options for equipment purchases, including idling-reduction technologies.
- **Celadon Trucking Services, Inc.**, maintained an aggressive no-idle policy that resulted in idle-time reductions of 19 percent in 2008 compared to 2007.



- **Challenger Motor Freight, Inc.**, is modifying 350 APUs to meet its custom specifications. Its entire fleet is equipped with idling-reduction equipment, including 730 bunk heaters.
- **Covenant Transport, Inc.**, is installing long-term idling-reduction technologies and uses truck stop electrification technology.
- **Georgia-Pacific Consumer Products LP** established an idling-reduction policy at its 12 distribution centers.
- **Gordon Trucking, Inc.**, has more than 500 APUs installed as well as an additional 100 bunk heaters. With the addition of this equipment and closer management of idling, GTI has reduced the amount of main engine idle by more than 50 percent.
- **JCPenney Co.** has an idling-reduction policy at its facilities and at all carrier meetings.
- **Kraft Foods Global, Inc.**, implemented a no-idle policy at its shipping locations.
- **LTI Trucking Services, Inc.**, has idle-reduction equipment for all of its trucks.
- **MacKinnon Transport, Inc.**, administers a driver incentive program offering cash rewards to drivers with low idle time.
- **Menlo Worldwide Logistics** set in place a no-idling policy at all company-managed warehouse sites.
- **Mesilla Valley Transportation** equipped its fleet of 900 tractors with APUs.
- **Quad/Graphics, Inc.**, equipped its entire fleet with APUs, which are set to automatically engage when the engine is shut off. The company has also established a computer-monitored no-idling policy, compliance with which is tied to driver bonuses.
- **Roehl Transport, Inc.**, has idling-control training and incentive programs, which led to a significant decrease in idling in 2008.
- **Schneider National, Inc.**, implemented a programming change in the electronic control module of the engine to manage unavoidable engine idle.
- **Stan Koch & Sons Trucking** equipped its entire fleet with APUs and created a performance incentive plan that pays drivers based on miles per gallon and low idle. The company achieved an overall fuel efficiency of 6.5 miles per gallon.
- **Swift Transportation Co.** invested in 500 SmartWay certified tractors and additional idle-reduction equipment.
- **UPS** employs engine-shutdown technology, or adheres to strict no-idling policies, in its fleet of nearly 85,000 vehicles.

For more information, and to see all of the winners, please click on <http://www.epa.gov/smartway/newsroom/documents/e-update-Award-09.pdf>.

Shore Power at POLB Recognized

On October 2, 2009, Southern California regional air pollution authorities presented the Port of Long Beach (POLB) with an award for becoming the first seaport in the world to construct an oil shipping terminal that offers shore power to improve air quality.

The POLB and BP America officials accepted the honor from the South Coast Air Quality Management District (SCAQMD) at the agency's 21st annual Clean Air Awards ceremony in Los Angeles.



The awards recognize individuals, organizations, communities, and businesses that have made a significant contribution to cleaner air.

More information is available at <http://www.polb.com/news>.

More Recovery Act Funding Awards Announced

The following table lists EPA and U.S. Department of Energy (DOE) American Recovery and Reinvestment Act (ARRA) funds awarded for which idling-reduction components have been explicitly described. For a complete list of EPA's National Clean Diesel Program awards made

through the Recovery Act, please go to <http://www.epa.gov/otaq/diesel/projnational-aara.htm>. If you have idling-reduction funding award news, please send it to idlingreduction@anl.gov.

Organization	Purpose of Grant	Total Funding
Alaska Department of Environmental Conservation	Provision of grants for idling-reduction projects	\$1.73 million
Illinois — ComEd	Pilot-project retrofit of ~40 large diesel vehicles with anti-idling technology (direct-fired heaters)	\$253,000
State of Nevada	DOE Energy Efficiency and Conservation Block Grant for multiple energy-efficiency projects, including retrofit of 200 emergency vehicles with idle-reduction technologies	\$9,593,500

UPCOMING MEETINGS, WEBINARS, AND EVENTS

[Red text indicates a new entry since last month.]

Meeting	Location	Date	Website or Contact
CARB: 512 Diesel Vehicle Regulation Overview	Multiple	Multiple	http://www.arb.ca.gov/training/courses.php?course=512
The U.S. Council for Freight Efficiency (organizational meeting)	Chicago, Illinois	November 3, 2009	http://nacfe.org/
South Shore Clean Cities 10th Anniversary Celebration	Horseshoe Casino, Hammond, Indiana	November 12, 2009	http://www.southshorecleancities.org/
Transportation Research Board (TRB) 89th Annual Meeting	Washington, D.C.	January 10–14, 2010	http://www.trb.org/AnnualMeeting/default.asp



Meeting	Location	Date	Website or Contact
Green Truck Summit	St. Louis, Missouri	March 9–12, 2010	http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/

PRESENTATIONS FROM MEETINGS AND EVENTS

Meeting/Event	Date	Website or Contact
EPA Funding Opportunities for Clean Diesel Projects (Webinar)	October 15, 2009	http://www.epa.gov/region2/sustainability/greencommunities/cleandieselwebinar_10152009.html
SmartWay Clean Diesel Finance FY 2009/2010 RFP (Webinar)	October 20, 2009	http://www.epa.gov/smartway/transport/partner-resources/webinar-schedule.htm#past

PARKING SPACES FOR TRUCKS

Arizona DOT Shuttters Most of Its Rest Stops

In response to a budget shortfall, the Arizona Department of Transportation (DOT) has undertaken a number of cost-cutting measures, including the temporary closure of 13 of its 18 rest areas. The status of these closures will be reassessed in June 2010. For the nearest location for services from each closed rest area, please go to

<http://www.azdot.gov/BudgetRoadmap/RestAreaMap.asp>. Rest areas not operated by Arizona DOT are also shown on this map. For more information, please go to <http://www.azdot.gov/ccpartnerships/News/NRel2397.asp>.



SCHOOL BUSES

First Student Is Fined, Will Implement Anti-Idling Program

As a result of an EPA enforcement action, First Student, Inc., a provider of school bus transportation services headquartered in Cincinnati, Ohio, will implement a national training and management program to prevent excessive idling. Through this program, First Student will train the drivers in its fleet of 50,000 buses to comply with State and local anti-idling regulations and to avoid excessive idling. The company will require supervisors to monitor idling in school bus lots, post anti-idling signs in areas where drivers congregate, and notify the school districts it serves of its anti-idling policy.

EPA's enforcement action addresses illegal idling that occurred in 2008 at school bus lots in Connecticut and Rhode Island. Some buses were observed to idle for up to 2½ -hours before departing to pick up children. As part of the settlement, First Student, Inc., will also pay a fine of \$128,000 and undertake environmental projects valued at more than \$1 million.

For more information, please see

<http://yosemite.epa.gov/opa/admpress.nsf/0/1bf1e67d57168b4a85257656005c6f52?OpenDocument>.

ELECTRIFIED PARKING SPACES

North Carolina: New Site for Truckers To Plug In

Big Boy's Truck Stop in Kenly, North Carolina, now has Shorepower electrified parking spaces that will enable up to 24 truck drivers to use electricity, rather than their diesel engines, to power their onboard amenities. To plug into the grid, truckers pay \$1.00 an hour, substantially less than the \$2.50 to \$3.00 in diesel fuel it costs to run the main truck engine for an hour. The setup fee is \$1.00 per use.

The truck stop electrification project is a partnership between Big Boy's Truck Stop, Shorepower Technologies, Progress Energy, and

Advanced Energy. It was made possible through a Clean Fuel Advanced Technology grant, a 3-year, \$2 million initiative of the North Carolina Solar Center at North Carolina State University. Advanced Energy will gather and analyze data from the electrification stations to evaluate the project's success. More information is available at <http://www.reuters.com/article/pressRelease/idUS199627+20-Oct-2009+PRN20091020> and <http://progress-energy.com/aboutus/news/article.asp?id=22682>.
Source: Skip Yeakel, Volvo Trucks North America



REPORTS OF INTEREST

Source	Title	Website or Contact
American Transportation Research Institute (ATRI)	Critical Issues in the Trucking Industry — 2009	www.atri-online.org/2009_Top_Industry_Issues_Report.pdf
Clean Cities Alternative Fuel and Advanced Technology Vehicle Strategy Workshop	Idling Reduction Makes \$ense	http://www1.eere.energy.gov/cleancities/strategyws.html
Clean Cities: Alternative Fuel and Advanced Technology Vehicle Strategy Workshop	Idling: Cruising the Fuel Inefficiency Expressway: A Discussion Paper for Clean Cities Coalitions and Stakeholders to Develop Strategies for the Future	http://www1.eere.energy.gov/cleancities/strategyws.html
EPA	Report to Congress: Highlights of the Diesel Emissions Reduction Program	Highlights of the Diesel Emissions Reduction Program (PDF)
National Renewable Energy Laboratory (NREL)	Clean Cities Annual Metrics Report	http://www.trb.org/Main/Public/Blurbs/Clean_Cities_Annual_Metrics_Report_2008_162311.aspx

OTHER NEWS OF INTEREST

EPA Reports to Congress on DERA Benefits

EPA has released its *Report to Congress: Highlights of the Diesel Emissions Reduction Program*, which details the health, environmental, and economic benefits of the Diesel Emission Reduction Act (DERA) Program. The program, funded at \$50 million for FY 2008, enabled the purchase and/or retrofit of 14,000 diesel-powered vehicles and pieces of equipment. According to the EPA, some of the program's benefits include:

- Conserving 3.2 million gallons of fuel annually under the SmartWay Clean Diesel Finance Program (saving operators \$8 million per year);

- Reducing 46,000 tons of nitrogen oxides (NOx) and 2,200 tons of particulate matter (PM) over the lifetime of diesel vehicles; and
- Generating public health benefits between \$500 million to \$1.4 billion.

Now in progress are competitions for FY 2009 clean diesel funding grants totaling more than \$60 million. For more regarding the *Report to Congress*, please visit <http://yosemite.epa.gov/OPA/ADMPRESS.NSF/0/FAC8B5A776FFEF F28525764F0059819A>.



Cascade Sierra Solutions Opens Center in Seattle

On October 17, 2009, Cascade Sierra Solutions opened a Green Truck Center near the Port of Seattle. The Center features a clean diesel technology showroom offering new and late-model truck fuel-

efficient equipment options and will act as a clearinghouse for trucking businesses seeking to upgrade their fleet. For more information, please go to <https://secure.cascadesierrasolutions.org/>.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of the newsletter, you may find all issues at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, a compendium of all previous issues now resides on the site; this pdf file is especially useful for conducting searches of *all* issues of the newsletter.

Please be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling

reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W/HATS_NEW/862/0/A)

- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9>)



[d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc](http://www.kenworth.com)

- Kenworth (<http://www.kenworth.com>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems
(<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- LifeForce (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada
(<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)

- Teleflex APUs
(http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters
(http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto
(http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in August 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0
Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://westcoastcollaborative.org/programs.htm>.



Clean Cities, SmartWay Websites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, Shorepower Technologies, and EnviroDock installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is based on one created by the Federal Highway Administration in 2008, and we have updated it as we have become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	Tennessee	Wyoming
Arkansas	Hawaii	Maine	Nebraska	Ohio	Texas	
California	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts*	New Hampshire	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption; States in **gray** do not permit the exemption. *Legislation pending to allow exemption.



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NATIONAL IDLING REDUCTION NETWORK NEWS

September 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry since last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.energymaine.com/business_programs_sblilp.htm
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/mc/diesel_rebate.htm
North Central Texas Council of Governments	Heavy-Duty Vehicle and Equipment Grant Program	\$10.7 million	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org



Organization	Project	Funding	Deadline	Website
Tennessee Department of Environment and Conservation	Idle Smart Clean Diesel Grant Program	\$1.73 million	Rolling deadline until funds are awarded.	http://www.tn.gov/environment/recovery
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2009	http://www.sae.org/news/awards/list/e2t/
Wisconsin Department of Commerce	Wisconsin Diesel Truck Idling Reduction Grant Program	\$2 million	October 23, 2009	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
New York State Energy Research and Development Authority (NYSERDA)	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	Rounds close on October 26 and December 21, 2009, and February 16, 2010	http://www.nyserda.org/funding/1613rfp.asp
SAE	2009 Barry D. McNutt Award for Excellence in Automotive Policy Analysis	N/A	October 30, 2009	http://www.sae.org/news/awards/list/mcnutt/
NYSERDA	School Bus Idling Reduction Program for Westchester, Putnam, and Dutchess Counties	~\$444,000	Rolling (until December 30, 2009)	http://www.nyserda.org/funding/1616pon.asp
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf



REGULATORY NEWS

ATRI Updates List of Idling Regulations

As mentioned in the last issue of the newsletter, as of September 1, 2009, some cities and counties in Texas no longer allow drivers to idle their truck engines while using a sleeper berth. The American

Transportation Research Institute (ATRI) has updated its list of State and local idling regulations to reflect these changes. Please see the updated list at <http://www.atri-online.org>.

Cleveland Becomes an Anti-Idling City

Starting October 1, 2009, Cleveland, Ohio, becomes the first jurisdiction in Ohio to enact an anti-idling ordinance. Idling is restricted to 5 minutes in any 60-minute period, and enforcement will be by the Office of the Director of Public Safety. At loading docks, there is a 10-minute restriction that applies not only to the operator or owner of the vehicle but also to the owner or operator of the loading dock. Idling is also allowed for 10 minutes when the temperature is below 32°F or

above 85°F. Other exemptions include having an APU or being in a sleeper cab during a required rest or sleep period. Any penalty is that of a minor misdemeanor. More details are at <http://www.earthdaycoalition.org/cleantransport/files/Cleveland%20Idle%20Ordinance%20City%20Record%202007-09.pdf>. Source: Amy Wainwright, Esq., Northeast Ohio Areawide Coordinating Agency

AWARDS AND RECOGNITION

Recovery Act Funding Awards

The following table lists U.S. Environmental Protection Agency (EPA) and U.S. Department of Transportation (DOT) American Recovery and Reinvestment Act (ARRA) funds awarded for which idling-reduction components have been explicitly described. For a complete list of National Clean Diesel Program awards made through the

Recovery Act, please go to <http://www.epa.gov/otaq/diesel/projnational-aara.htm>. If you have idling-reduction funding award news, please send it to idlingreduction@anl.gov.



Organization	Purpose of Grant	Total Funding
Illinois — City of Chicago Department of Environment	Reduce emissions and fuel usage from the city's diesel fleet (includes 163 diesel-fired heaters)	\$1 million
Illinois — Chicago Transit Authority	Electric power delivery system for outdoor bus parking stalls that will deliver electrical power for up to 80 vehicles and provide services such as heating and air-conditioning to vehicles that would otherwise be left idling during overnight cleaning and prior to morning pullout	\$1.5 million
NYSERDA	Energy Efficiency Conservation Block Grant (includes idling reduction)	\$29 million
Texas — Houston-Galveston Area Council	Bridge Loan Program to Support Clean Drayage (includes idling reduction)	\$9 million
Wisconsin Department of Commerce	Purchase and Installation of idle-reduction technologies	\$2.07 million

Wisconsin DNR Awards \$235,000

The Wisconsin Department of Natural Resources (DNR) has awarded \$235,000 in EPA 2008 Diesel Emission Reduction Act grants to reduce the pollution associated with 110 trucks, school buses, and construction vehicles. The purchases supported include idling

reduction units, battery powered heating, ventilation, and air-conditioning (HVAC) units, and direct fired heaters. More information, including a link to a list of the awardees, is available at http://dnr.wi.gov/news/DNRNews_article_Lookup.asp?id=1203.

Midwest Clean Diesel Initiative Leadership Group Presents Awards

On September 17, 2009, the Midwest Clean Diesel Initiative Leadership Group recognized people and organizations that have worked to reduce diesel emissions. Among those receiving recognition was the Wisconsin Department of Commerce, which administers the Wisconsin Idling Reduction Grant Program. The grant program provides 50 percent of the cost of an idle-reduction

technology to Wisconsin-based fleets. Founded by the Wisconsin legislature, the program has funded more than 1,100 idle reduction devices in 339 grant awards. It has been so successful that the State legislature has reauthorized it through 2015. Please see <http://yosemite.epa.gov/opa/admpress.nsf/0/7e38a4b1d2b9ba7085257634006d3ad5?OpenDocument> for more information.



UPCOMING MEETINGS, WEBINARS, AND EVENTS

[Red text indicates a new entry since last month.]

Meeting	Location	Date	Website or Contact
EPA Clean Diesel Program Workshop	South Charleston, West Virginia	October 6, 2009	Please contact Jessica Greathouse at greathouse.jessica@epa.gov or call (304)234-0275 by October 1, 2009, or register online at http://www.marama.org/calendar/events/2009_10DieselProgram.html
SAE Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 6–7, 2009	http://www.sae.org/cve
CARB Public Workshop to Discuss Revisions to the Carl Moyer Program Guidelines	Sacramento, California	October 13, 2009	http://www.arb.ca.gov/msprog/mailouts/msc0931/msc0931.pdf
EPA Region 2 Webinar: EPA Funding Opportunities for Clean Diesel Projects	—	October 15, 2009 (10:00–Noon EDT)	http://www.epa.gov/region2/sustainability/greencommunities/cleandiesel.html
EPA Region 2 Webinar: Clean Diesel Construction: Strategies, Tools, and Incentives	—	October 27, 2009 (1:30–3:30 pm EDT)	http://www.epa.gov/region2/sustainability/greencommunities/cleandiesel.html
Hybrid Truck Users Forum National Conference	Atlanta, Georgia	October 27–29, 2009	http://www.calstart.org/Projects/Hybrid-Truck-Users-Forum.aspx or ddubose@calstart.org
Transportation Research Board (TRB) 89th Annual Meeting	Washington, D.C.	January 10–14, 2010	http://www.trb.org/AnnualMeeting/default.asp
Green Truck Summit	St. Louis, Missouri	March 9–12, 2010	http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/



PRESENTATIONS FROM MEETINGS AND EVENTS

Meeting/Event	Date	Website or Contact
Directions in Engine-Efficiency and Emissions Research Conference	August 3–6, 2009	http://www1.eere.energy.gov/vehiclesandfuels/resources/proceedings/2009_deer_presentations.html
Diesel Technology Forum Webinar, Lessons Learned — A Closer Look at Recent ARRA Funded DERA Projects	September 2, 2009	http://www.dieselforum.org/multimedia

MANUFACTURERS' NEWS

Thermo King Announces Rebates for Espar Heaters

Thermo King is offering customers rebates of up to \$1,000 with the purchase of qualifying quantities of select Espar heaters through December 31, 2009. Eligible equipment includes: Airtronic D4 truck kits (84-847 — 12V with thermostat; 84-846 — 12V with mini controller); Airtronic D2 truck kits (84-838 — 12V with thermostat; 84-837 — 12V with mini controller); Airtronic D2/Hydronic 5 combo truck

kits (84-661 — external fuel pump, timer with bracket and mini controller; 84-668 — timer with bracket and 12V thermostat); and Hydronic D5 truck kits (80-112 — 12V with timer; 84-865 — 12V with external fuel pump). More information is available at the manufacturer's website (<http://www.thermoking.com/tk/index.asp>).

Thermo King Offers More Options

Thermo King has announced the addition of a controller with greater programmability to the TriPac™ Hybrid Auxiliary Idle Reduction and Temperature Management System (APU). The new feature allows customers to customize their TriPac system to match the demands of their business and is standard on all new TriPac systems. With this capability, the driver or fleet manager may select the parameters that the TriPac system will automatically control after a tractor on/off cycle. The system can be programmed to monitor battery and coolant temperature only after the tractor on/off cycle, or, if the driver/fleet

manager prefers, it can monitor cab temperature and automatically maintain a previously selected set point.

Thermo King has also added closed-loop cooling to the list of available options for the TriPac system. For drivers who frequently operate in warm climates or simply prefer that the TriPac system not tie into the tractor engine coolant, closed-loop cooling is a good option. The TriPac system will run independently of the tractor engine coolant and still provide the battery charging and cab comfort options.



Closed-loop cooling also provides emergency tractor alternator backup. The feature can be ordered with the TriPac system or as an aftermarket option from Thermo King dealers.

More information about both of these options may be found at <http://www.thermoking.com/tk/index.asp>.

New Anti-Idling Battery Launched

The Trojan Battery Company has introduced the OverDrive™ AGM 31, a sealed, absorbed glass mat (AGM) battery built specifically for idle-reduction technology in the heavy-duty/commercial truck industry. The manufacturer states that the battery provides clean, steady power for heating, air, and critical on-board instruments when the truck

engine is turned off. It also claims excellent recharge efficiency; superior vibration resistance over standard conventional lead acid batteries; and a flame-arrestor pressure vent safety feature. For additional information, please visit <http://www.trojanbattery.com/OverDrive>.

APU Newcomers: Dynasys and LifeForce

At the Great American Trucking Show in Dallas, Texas, in August, Hodyon launched its first anti-idling truck APU. Dynasys is a stand-alone, diesel-fueled APU that provides engine preheating for cold-weather starting, electric heating and hermetic air-conditioning for the sleeper, and 120-V AC household power for appliances.

According to the manufacturer, the Dynasys occupies less than 20 inches of frame space and has service intervals that match those of truck systems. The unit can also be equipped with a shore power option, enabling it to plug into a 120-V power supply. Please visit <http://www.hancockindustries.com/auxiliarypower.aspx> for more information.

Another new APU, LifeForce, is unique in that it uses propane as its power source. The company claims that this system is much lighter than diesel-fueled or battery-powered APUs and less expensive. At present, the company is focusing on the California market as its product meets both CARB and EPA emission standards. Financing is available through Cascade Sierra Solutions. More information can be found at <http://www.lifeforceapu.com/>.



ELECTRIFIED PARKING SPACES

Mobile Truck Stop Electrification Locator Now Available

The U.S. Department of Energy's (DOE) National Renewable Energy Laboratory (NREL) has launched the Mobile Truck Stop Electrification Locator, a mobile application to help truck drivers find public truck stops that have idle reduction facilities. The application can be accessed by using a cell phone or other mobile device. New sites will be added as they open. Nationwide, more than 130 truck stop electrification systems allow truckers to "plug in" their vehicles to operate necessary systems without idling the engine. The Mobile

Truck Stop Electrification Locator generates maps to the five closest electrification sites (within 200 miles) and lists each site's contact information. Detailed driving directions and an instant phone connection to the station can be accessed at <http://www.afdc.energy.gov/afdc/locator/m/tse>.

Please click on <http://www.nrel.gov/news/press/2009/726.html> for more information

EnviroDock Opens First Site in New York State

With the cost-shared support of NYSERDA, EnviroDock becomes a new entrant in the field of stationary idling-reduction systems in New York State. Earlier this month, the company opened its first installation of five E-Dock Stationary units at the Canaan Truck Stop, which is an Ambest Truck Stop located in Canaan, New York. The company was able to use NYSERDA funding to finalize the design, development, and commercialization of its E-Dock System.

The E-Dock Stationary is a stand-alone heating and cooling system with a robust, steel-enclosed and powder-coated cabinet. This unit delivers electronically filtered and temperate air to the truck cab through two thermally insulated flexible ducts via a window control panel called the Window Air Delivery Unit (WADU). This patent-pending WADU is attached to a swinging arm, which makes a simple and weightless installation into the cab window. It also houses an easy-to-use control panel for temperature and fan speed, as well as a



duplex power outlet for in-cab appliances, such as microwaves, computers, and coffee makers. Additionally, the E-Dock system also provides a duplex power plug on the outside unit itself for engine block heaters and any other power requirements.

Please go to <http://www.envirodock.com> for more information. *Source:* Joe Tario, NYSERDA, and Ken Neal, EnviroDock



PORTS

Pacific Ports Make Shore Power Gains

On August 31, 2009, Port Metro Vancouver, Canada's largest port, unveiled its new shore-power facility at the Canada Place cruise ship terminal. The port is the first in that country to install shore power for cruise ships. The shore-power installation, planning for which began in 2005, is the result of a \$9 million cooperative initiative between the Government of Canada, the British Columbia Ministry of Transportation, Holland America Line, Princess Cruises, BC Hydro, and Port Metro Vancouver.

In 2008, the Port hosted 254 cruise ship visits. For more information about the new shore power facility, please see <http://www.tc.gc.ca/mediaroom/releases/nat/2009/09-h121e.htm> and <http://www.portmetrovancover.com/about/news/08-12-17/Shore Power for Cruise Ships at Canada Place in 2009.aspx>.

Meanwhile, at the Port of Los Angeles, more than \$42 million in long-term improvements will be invested in the Inner Harbor World Cruise Center, according to the Board of Harbor Commissioners. An allocation of \$18 million for Alternative Marine Power (AMP) will allow cruise ships to use shoreside electrical power, rather than burning diesel fuel, while at port. The first phase of the project is expected to be complete later in 2009, and the second phase is slated for completion in January 2011. Depending on the size of the ship, the Port estimates that, for each day the ship is at berth and plugged in, AMP will reduce nitrogen oxide (NO_x) emissions by 1 ton and reduce sulfur oxide (SO_x) emissions by 85 percent. The website http://www.portoflosangeles.org/newsroom/2009_releases/news_091709_cruise.asp contains more information.

Sea-Tac Wins ARRA Funding for Ground Support Equipment

Seattle-Tacoma International Airport (Sea-Tac) has been awarded \$5 million of ARRA funding from DOE's Clean Cities program for electric charging stations for airplane ground support equipment and replacement of 200 gas and diesel vehicles with electric vehicles, saving more than 400,000 gallons of fuel per year. The project jump starts Sea-Tac's efforts to be the first airport in the United States to fully electrify its fleet of ground support equipment. In addition to the fuel savings, the project is expected to reduce CO₂ emissions by more than 4,500 metric tons per year.

Sea-Tac currently has about 650 ground support vehicles. The focus of the project will be gasoline baggage tractors and loading equipment because they are large consumers of petroleum fuel at the airport. The project will install new electric charging stations on the ramp area. The grant money to purchase new electric vehicles will be matched in a cooperative effort by the Port of Seattle and airlines at Sea-Tac. More information is available at http://www.portseattle.org/news/press/2009/08_27_2009_01.shtml.



REPORTS OF INTEREST

Source	Title	Website or Contact
<i>Environmental Science & Technology</i> 2009;43(17):6875–6881	Effects of Idle Reduction Technologies on Real World Fuel Use and Exhaust Emissions of Idling Long-Haul Trucks	http://pubs.acs.org/doi/abs/10.1021/es900186e
CARB	Technical Evaluation of Options to Reduce Locomotive and Railyard Emissions	http://www.arb.ca.gov/railyard/ted/ted.htm

OTHER NEWS OF INTEREST

Anti-Idling Technology: Measurable Benefits for Dallas Police Department

In Dallas, Texas, the police department is reducing engine idling — and saving money — by using Energy Xtreme's Independence Package™. The Independence Package, a power management system that allows a car's electrical system to operate while the gasoline engine is turned off, is a power cell that requires no fuel and no maintenance and has no moving parts. "The Independence Package allows us to have our electrical systems running at the scene of a crime without having to leave the vehicle running," said Lt. Dale Barnard of the Dallas Police Department (DPD). "That's good for several reasons: We don't run the risk of running out of gas, we don't run the risk of the car being stolen and we aren't pumping unnecessary emissions into the air."

According to a Reuters press release, the DPD used the Independence Package for an average of 4.85 hours per day over a 30-day period. Assuming 300 work days per year, a gas price of \$3.26 per gallon, and 0.75 gallon of gas burned per hour while the vehicle idles, the department saves \$11.86 per day in fuel costs and \$3,131 per year per vehicle. More information is available at http://www.energyxtreme.net/main/index.php?option=com_content&view=article&id=22&Itemid=58 and <http://www.reuters.com/article/pressRelease/idUS211693+03-Sep-2009+BW20090903>.

American Lung Association in Vermont Secures Idling Reduction Grant

The American Lung Association in Vermont received a grant from Vermont's Department of Environmental Conservation to initiate a

regional idling reduction campaign, tentatively called the Vermont Business Idle-Free Campaign. The campaign will target commercial



diesel fleet operators in Chittenden and Rutland counties. Wayne Michaud, Director of Idle-Free VT, will be project coordinator. The

website http://www.idlefreevt.org/media_news.index.html contains more information.

Iowa's New Clean Cities Resource

The Iowa Clean Cities Coalition has launched a new website focused on providing information about clean transportation technologies. The website provides up-to-date information on alternative fuels and

vehicles, fuel economy, hybrids, as well as idle reduction technologies. Please see <http://www.iowacleancities.org> for more information.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling

reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)

- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W/HATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)



- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council
<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>
- Kenworth (<http://www.kenworth.com>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems
(<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- **LifeForce** (<http://lifeforceapu.com/files/LifeforceCalculator.xls>)
- Natural Resources Canada
(<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APUs
(http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters
(http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto
(http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in June 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.



Clean Cities, SmartWay Websites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, Shorepower Technologies, and EnviroDock installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The table below is based on one created by the Federal Highway Administration in 2008, and we have updated it as we have become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	Tennessee	Wyoming
Arkansas	Hawaii	Maine	Nebraska	Ohio	Texas	
California	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption; States in **gray** do not permit the exemption.



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NATIONAL IDLING REDUCTION NETWORK NEWS

August 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry since last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbllp.htm
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_rebate.htm
North Central Texas Council of Governments	Heavy-Duty Vehicle and Equipment Grant Program	\$10.7 million	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org



Organization	Project	Funding	Deadline	Website
Tennessee Department of Environment and Conservation	Idle Smart Clean Diesel Grant Program	\$1.73 million	Rolling deadline until funds are awarded.	www.tn.gov/environment/recovery
New Jersey Department of Environmental Protection	Local Government Greenhouse Gas Reduction Grant Program (includes anti-idling education and enforcement)	\$10,000 to \$100,000	September 4, 2009 (pre-application deadline)	http://www.nj.gov/dep/opsc/ghggrant.html
U.S. Department of Energy (DOE)	Systems Level Technology Development, Integration, and Demonstration for Efficient Class 8 Trucks (SuperTruck) and Advanced Technology Powertrains For Light-Duty Vehicles	\$240 million	September 9, 2009	http://www07.grants.gov/search/search.do?oppId=47867&flag2006=false&mode=VIEW
Tennessee Department of Transportation	Truck stop electrification	\$2 million	September 11, 2009	http://www.tdot.state.tn.us/environment/policy/tse.htm
U.S. Department of Transportation	TIGER (Transportation Investment Generating Economic Recovery) Discretionary Grants	\$1.5 billion	September 15, 2009	http://www.dot.gov/recovery/ost/
New York State Energy Research and Development Authority (NYSERDA)	Advanced Transportation Technologies PON 1520	\$2 million	September 16, 2009	http://www.nyserda.org/funding/1520pon.asp
New York State Department of Transportation (NYSDOT) and NYSERDA	Energy Efficient Transportation Systems Program PON 1554	\$1.5 million	September 17, 2009	http://www.nyserda.org/funding/1554pon.asp
The Mid-America Regional Council (Missouri)	Clean Diesel Projects	~ \$400,000	September 30, 2009	Please contact Amanda Graor at agraor@MARC.org or (816) 701-8333 for more information.



Organization	Project	Funding	Deadline	Website
The Ozark Center for Sustainable Solutions at Drury University (Missouri)	Clean Diesel Projects	~ \$400,000	September 30, 2009	Please contact Doug Neidigh at dneidigh@drury.edu or (417) 873-7641 for more information.
The Southeast Missouri Regional Planning and Economic Development Commission	Clean Diesel Projects	~ \$400,000	September 30, 2009	Please contact Chauncy Buchheit at cbuchheit@semorpc.org or (573) 547-8357 for more information.
St. Louis Regional Clean Cities Program	Clean Diesel Projects	~ \$400,000	September 30, 2009	Please contact Kevin Herdler at kevin@stlcleancities.org or (314) 822-5830 for more information.
NYSERDA	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	Rounds close on October 26 and December 21, 2009, and February 16, 2010	http://www.nyserda.org/funding/1613rfp.asp
NYSERDA	School Bus Idling Reduction Program for Westchester, Putnam, and Dutchess Counties	~\$444,000	Rolling (until December 30, 2009)	http://www.nyserda.org/funding/1616pon.asp
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf



REGULATORY NEWS

Another Chance for an Idling Reduction Tax Credit Act?

On July 29, 2009, U.S. Representatives Earl Blumenauer, D-OR, and Kay Granger, R-TX, introduced the Idling Reduction Tax Credit Act (H.R. 3383), which would provide a 50-percent tax credit of up to \$3,000 for any truck owner purchasing an idling-reduction device. Granger has introduced anti-idling legislation before, but the present political climate may be more favorable for bill passage. In *Land Line*, Mike Joyce, director of legislative affairs for the Owner-Operator

Independent Drivers Association (OOIDA), commented on the bill's timing. "When the worlds of transportation policy and environmental stewardship and our national economy collide, this is a perfect bill that addresses all three of those concerns." More information is available at <http://thomas.loc.gov/cgi-bin/query/z?c111:H.R.3383>; and http://www.landlinemag.com/todays_news/Daily/2009/July09/072709/073009-01.htm.

Connecticut Passes 400-Pound Weight Exemption; Florida Bill Is Prefiled

Connecticut is the latest State to have passed legislation to grant a 400-pound weight exemption for trucks equipped with auxiliary power units (APUs). The law, described in Section 43 of [Public Act No. 09-187](#), will go into effect October 1, 2009.

In Florida, State Representative Greg Evers has prefiled House Bill 51. The bill, which would be considered after March 2010 when the

regular session reconvenes, would provide for a 400-pound weight exemption for large trucks equipped with idle-reduction technology. At the end of the 2009 session, a similar bill had been passed by the Florida Senate but not considered by the House. Please see http://www.landlinemag.com/todays_news/Daily/2009/Aug09/082409/082409-02.htm for more information.

Illinois Hikes Idling Fines, Texas Prohibits Sleeper Berth Idling

On August 18, 2009, Illinois Governor Pat Quinn signed legislation prohibiting diesel-powered vehicles with gross weights of more than 8,000 pounds from idling more than 10 minutes per hour in the Chicago and East St. Louis metropolitan areas. Illinois Public Act 096-0576, which took effect immediately, increases the fine from \$50 to \$90 for first offenders and from \$150 to \$500 for repeat offenders. A portion of each fine will go to the Illinois Environmental Protection

Agency to educate the trucking industry on air pollution and preventive measures specifically related to idling. Illinois law prohibits drivers from idling diesel-powered vehicles for more than 10 minutes within any 60-minute period, except when in traffic, defrosting a windshield, making repairs, or performing military, emergency, or law enforcement functions. More information is available at



<http://www.treasurer.il.gov/news/press-releases/2009/PR20August2009.htm>.

In Texas, on September 1, 2009, the exemption to idle during mandated rest periods expires. Government bodies that enforce

idling restrictions have agreed to sign a memorandum of the Texas Commission on Environmental Quality that limits idling to 5 minutes at a time. Please see

http://www.landlinemag.com/todays_news/Daily/2009/Aug09/081709/081809-02.htm for more information, including exceptions.

Information on New Jersey Idling Restrictions

The New Jersey Department of Environmental Protection has updated its "Frequently Asked Questions" document about idling restrictions. The document can be accessed at [http://74.125.95.132/search?q=cache%3AH7FmdEk_YV8J%3Awww.](http://74.125.95.132/search?q=cache%3AH7FmdEk_YV8J%3Awww.stopthesoot.org%2FFrequently%2520Asked%2520Questions%2520June%25202009.pdf+california+idling+regulations+trucks&hl=en&gl=us)

[stopthesoot.org%2FFrequently%2520Asked%2520Questions%2520June%25202009.pdf+california+idling+regulations+trucks&hl=en&gl=us](http://www.stopthesoot.org%2FFrequently%2520Asked%2520Questions%2520June%25202009.pdf+california+idling+regulations+trucks&hl=en&gl=us).

Paul Revere Pays \$650,000 Civil Penalty for School Bus Idling

Boston-based Paul Revere Transportation LLC has agreed to pay a \$650,000 civil penalty for violating Federal and State clean air laws. The company was found liable on June 8, 2009, after a 6-day trial in U.S. District Court in Boston. After the violations were discovered at the Roxbury, Massachusetts, facility, U.S. Environmental Protection Agency (EPA) inspectors witnessed more than 100 hours of illegal

school bus idling, with 234 separate violations of the Clean Air Act and a Massachusetts anti-idling regulation. During each inspection, numerous Paul Revere vehicles — sometimes more than 20 — were seen idling for up to 2 hours. More information can be found at <http://yosemite.epa.gov/opa/admpress.nsf/0/1ABBC4EDDCBA2E26852576080069D7C4>.

AWARDS AND RECOGNITION

Recovery Act Funding Awards

Listed below are EPA and DOE American Recovery and Reinvestment Act (ARRA) funds awarded for which idling-reduction components have been explicitly described. For a complete list of National Clean Diesel Program awards made through the Recovery

Act, please go to <http://www.epa.gov/otag/diesel/projnational-aara.htm>. If you have idling-reduction funding award news, please send it to idlingreduction@anl.gov.



Organization	Purpose of Grant	Total Funding
Cascade Sierra Solutions	Truck stop electrification at 50 sites along major interstate corridors in three western states	\$22.2 million
Cascade Sierra Solutions	SmartWay Clean Diesel Finance Program (idling-reduction equipment included)	\$9 million
Alabama Clean Fuels Coalition	Truck stop electrification (Baldwin and Montgomery Counties)	\$1.25 million
Connecticut Department of Environmental Protection (DEP)	Truck stop electrification	\$380,256
Connecticut DEP	Locomotive engine repower	\$750,000
Maryland Port Administration and Maryland Environmental Service	Retrofit, repower, replacement, and installation of idle-reduction devices on transportation equipment at the Port of Baltimore	\$3.5 million
Massachusetts — Chelsea Collaborative	New England Produce Market trailer refrigeration unit electrification	\$1,563,480
Minnesota Environmental Initiative	Emissions-reduction projects, including idle reduction	\$3 million
Nebraska — University of Nebraska-Lincoln Nebraska Transportation Center	Funding to conduct a subgrant process to retrofit approximately 187 vehicles with EPA-verified idle-reduction technologies	\$1 million
NYSDOT	Switch-locomotive repower with gen-set technology	\$1.05 million
Pennsylvania — Allegheny County	Emissions reduction projects, including switch-locomotive repower with gen-set technology	\$3.49 million
Tennessee — East Tennessee Clean Fuels Coalition	Crossville I-40 Corridor Truck Stop Electrification	\$581,849
Washington — Seattle-Tacoma International Airport	Electrification of ground support equipment	\$5 million
Wisconsin Department of Natural Resources	Installation of idle-reduction technology (stop/start devices) on 40 switcher locomotives	\$571,107



UPCOMING MEETINGS, WEBINARS, AND EVENTS

[Red text indicates a new entry since last month.]

Meeting	Location	Date	Website or Contact
Lessons Learned—A Closer Look at Recent ARRA Funded DERA [Diesel Emissions Reduction Act] Projects (webinar)	N/A	September 2, 2009	http://www.dieselforum.org/multimedia/webinars
Transportation Research Board (TRB) Webinar: U.S. Transportation System Scenarios to 2050 in a World Addressing Climate Change	N/A	September 10, 2009	https://www1.gotomeeting.com/register/977805225
25 th Clean Air Conference	Estes Park, Colorado	September 21–24, 2009	http://www.ncvecs.colostate.edu/cac.docs/cac23/CAC23Home.htm
DOE Alternative Fuel and Advanced Technology Vehicle Strategy Workshop	Washington, D.C.	September 22–23, 2009	http://www1.eere.energy.gov/cleancities/strategyws.html
Sustainable Shipping Conference	San Francisco, California	September 29–October 1, 2009	http://www.sustainablesipping.com/events/2009/sanfrancisco/?tag=21-17181-4355457-0
Society of Automotive Engineers Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 6–7, 2009	http://www.sae.org/cve
Hybrid Truck Users Forum National Conference	Atlanta, Georgia	October 27–29, 2009	http://www.calstart.org/Projects/Hybrid-Truck-Users-Forum.aspx or ddubose@calstart.org
TRB 89th Annual Meeting	Washington, D.C.	January 10–14, 2010	http://www.trb.org/AnnualMeeting/default.asp
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/



PRESENTATIONS FROM MEETINGS AND EVENTS

Meeting/Event	Date	Website or Contact
Funding for Clean Diesel Activities from the 2009 Recovery and Reinvestment Act and Diesel Emission Reduction Act (DERA): How to Improve the Competitiveness of Your Application (Webinar)	N/A	http://www.dieselforum.org/multimedia/webinars/funding-for-clean-diesel-activities-from-the-2009-recovery-and-reinvestment-act-and-diesel-emission-reduction-act-dera-how-to-improve-the-competitiveness-of-your-application

ELECTRIFIED PARKING SPACES

CSS Awarded \$22.2 Million to Advance TSE

As part of DOE's \$2.4 billion ARRA package for new advanced battery and electrified transportation projects, Cascade Sierra Solutions (CSS) received \$22.2 million. CSS will partner with Shorepower Technologies to install truck stop electrification (TSE) systems for diesel trucks at 50 truck stops throughout the country. CSS will also provide a rebate program to truck owners who purchase idle-reduction equipment upgrades with electric stand-by capabilities.

Approximately 25 percent of the equipment cost will be rebated for qualifying items. Jeff Kim at Shorepower Technologies says, "We expect 35 million gallons of diesel fuel to be saved over the first 10 years." Please see more at <https://secure.cascadesierrasolutions.org/downloads/documents/PR-CSS-TSE-Project-080709.html> or <http://www.shorepower.com/>.

PORTS

More Shore Power at San Diego and Long Beach Ports

The San Diego Port Commissioners have approved the use of \$7.6 million from the Capital Development Program's contingency fund for the installation of shore power equipment at the Port's Cruise Ship Terminal and Tenth Avenue Marine Terminal. Both cruise and cargo vessels would be able to plug into shore power while docked.

California law requires that shore power be provided for at least 50 percent of cruise ship and refrigerated container ship calls by January 1, 2014. Now that funding is available, the Port can proceed with design and construction.



The Port estimates that the cruise ship terminal shore power system will be completed by December 2010 and that the Tenth Avenue Marine Terminal shore power system will be operational in August 2011. More information is available at <http://www.portofsandiego.org/environment/clean-air/1636-port-commissioners-give-approval-to-fund-shore-power-projects-for-cruise-and-cargo-ships.html>.

At the Port of Long Beach, construction has begun on the Port's fourth shore power dock. Construction began recently at SSA Terminals/Matson Navigation Co.'s Pier C facility. When completed next summer, the facility will become the fourth at the Port with shore power capabilities. Please see <http://www.polb.com/news/displaynews.asp?NewsID=594&targetid=1>.

REPORTS OF INTEREST

Source	Title	Website or Contact
<i>Journal of the Air & Waste Management Association</i> 2009;59(7):857–864	Real-World Energy Use and Emission Rates for Idling Long-Haul Trucks and Selected Idle Reduction Technologies	http://secure.awma.org/journal/Abstract.aspx?id=2110 (for abstract)
<i>Energy Policy</i>	Costly Myths: An Analysis of Idling Beliefs and Behavior in Personal Motor Vehicles	doi:10.1016/j.enpol.2009.03.031
Simcoe Muskoka District Health Unit (Ontario, Canada)	'Turn It Off' Anti-Idling Campaign Report	http://74.125.95.132/search?q=cache:xv4yZLyLIZwJ:simcoemuskokahealth.org/Libraries/TOPIEnvironment/TIO_Simcoe-Muskoka_Report_FINAL_Public.sflb.ashx+%22%E2%80%98Turn+It+Off:+Anti-Idling+Campaign+Report%E2%80%99%22&cd=1&hl=en&ct=clnk&gl=us

OTHER NEWS OF INTEREST

Idle Reduction Technologies Study: ATRI's Findings

The American Transportation Research Institute (ATRI) has released the results of a demonstration project involving four mobile idle reduction solutions. Sponsored by EPA, the research involved

collecting and quantifying operational data for trucks with the use of selected idle-reduction technologies. Technologies tested by the participating fleets included APUs, battery-powered air-conditioning



systems, and thermal storage air-conditioning systems. With the deployment of the selected idle-reduction technologies, main engine idling accounted for 5–22 percent of total engine operating time, representing a reduction in idling of 42–78 percent from baseline conditions. Reductions in the emissions of oxides of nitrogen,

particulate matter, and carbon dioxide were also identified. Payback periods were generally found to be longer than anticipated. To access the report, please go to http://www.atri-online.org/index.php?option=com_content&view=article&id=61&Itemid=72.

CARB's Virtual TruckStop Premieres

Geared to truck and fleet owners in California, but useful to others in the trucking community, <http://www.arb.ca.gov/truckstop> is a new, easy-to-navigate website. While the main CARB website is large and complex, the TruckStop gives truckers a convenient portal through

which to get needed information, which is organized by the following categories: Diesel Vehicles, Trailers, Transport Refrigeration Units, and Financial Assistance.

Anti-Idling Gets a Good Rap

Not yet heard the "Anti-Idling Rap" or the "Funky Pollution Dance"? Check out "Stop the Pollution, Pick a Solution" at <http://www.streetfilms.org/archives/less-cars-better-air-nyc/>.

As part of a school project, students at Middle School 51, Park Slope, Brooklyn, tallied average person-per-vehicle occupancy, measured carbon dioxide emissions from idling vehicles, measured airborne particulates, and kept a climate change journal. They also devised inventive ways to spread the anti-idling message.

Shown in the photo are students mounting boards for the collection of airborne particulates. (Photo by Mitchell Porcelan, courtesy of Streetfilms and Livable Streets Education.)





RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W/HATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APUs (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)



Please let us know if you are aware of other sources that the readers

of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in June 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Websites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, and Shorepower Technologies installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.



Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The table below is based on one created by the Federal Highway Administration in 2008, and we have updated it as we have become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	Tennessee	Wyoming
Arkansas	Hawaii	Maine*	Nebraska	Ohio	Texas	
California	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire	Oregon	Vermont	
Connecticut†	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption; states in **gray** do not permit the exemption.

* Effective September 17, 2009

† Effective October 1, 2009

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NATIONAL IDLING REDUCTION NETWORK NEWS

July 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbllp.htm
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/emission/msc/diesel_rebate.htm
North Central Texas Council of Governments (NCTCOG)	Heavy-Duty Vehicle and Equipment Grant Program	\$10.7 million	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org



Organization	Project	Funding	Deadline	Website
New York State Energy Research and Development Authority (NYSERDA)	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on August 5, 2009, and January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Wisconsin Department of Natural Resources	ARRA Wisconsin Clean Diesel Grant Program	\$1.73 million	August 3, 2009	http://dnr.wi.gov/air/mobile/CleanDieselGP.htm
U.S. Department of Energy (DOE)	Energy Efficiency and Conservation Block Grants – Recovery	\$3 billion	August 10, 2009 (deadline extended)	http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppld=46340 or https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx
Pennsylvania Department of Environmental Protection	Innovative Clean Diesel/Alternative Fuels Grant Program for cleaner ground service equipment at Pennsylvania airports	~\$500,000	August 14, 2009	http://www.depweb.state.pa.us/news/cwp/view.asp?a=3&q=547809
Transportation Research Board	National Cooperative Freight Research Program Truck Idling Scoping Study	\$200,000	August 21, 2009	http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=2671
NYSERDA	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	Rounds close on August 24, October 26, and December 21, 2009, and February 16, 2010	http://www.nyserda.org/funding/1613rfp.asp
Arkansas Department of Environmental Quality	Reduce Emissions from Diesels (Go RED!)	\$1.5 million	August 31, 2009	http://www.adeq.state.ar.us/poa/gored/go_red.asp



Organization	Project	Funding	Deadline	Website
DOE	Systems Level Technology Development, Integration, and Demonstration for Efficient Class 8 Trucks (SuperTruck) and Advanced Technology Powertrains For Light-Duty Vehicles	\$240 million	September 9, 2009	http://www07.grants.gov/search/search.do?oppld=47867&flag2006=false&mode=VIEW
Tennessee Department of Transportation	Truck stop electrification	\$2 million	September 11, 2009	http://www.tdot.state.tn.us/environment/policy/tse.htm
U.S. Department of Transportation (DOT)	TIGER (Transportation Investment Generating Economic Recovery) Discretionary Grants	\$1.5 billion	September 15, 2009	http://www.dot.gov/recovery/ost/
NYSERDA	Advanced Transportation Technologies PON 1520	\$2 million	September 16, 2009	http://www.nyserda.org/funding/1520pon.asp
New York State Department of Transportation (NYSDOT) and NYSERDA	Energy Efficient Transportation Systems Program PON 1554	\$1.5 million	September 17, 2009	http://www.nyserda.org/funding/1554pon.asp
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/sbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

REGULATORY NEWS

Oregon's HB 2186 Is Law

Oregon Governor Ted Kulongoski has signed House Bill (HB) 2186, which authorizes the development of a low carbon fuel standard. The

bill requires reduction in emissions from ships at port, as well as study by the Department of Environmental Quality on measures to reduce



idling and aerodynamic drag on long-haul trucks. Recommendations are to be made to the legislature by October 2010. Please see http://governor.oregon.gov/Gov/P2009/press_072209.shtml and

http://www.landlinemag.com/todays_news/Daily/2009/July09/070609/070709-02.htm.

California's Proposed SB 124 Would Codify CARB Regulation

California's Senate Bill (SB) 124, a measure that would prohibit bus drivers from idling within 100 feet of a school and require that bus drivers restart their engines no more than 30 seconds before departing, has been sent to the Assembly floor. If passed into law, SB 124 would codify the California Air Resources Board's (CARB) statewide regulation to limit idling of transit and delivery vehicles at

schools. The first violation would result in a minimum \$300 fine; subsequent violations could result in civil and criminal penalties. Please visit

http://dist28.casen.govoffice.com/index.asp?Type=B_PR&SEC={158155BF-B41C-452C-A7E3-439790D3B207}&DE={49260277-6DCC-4B41-93BC-3218E4DB9E45} for more information.

AWARDS AND RECOGNITION

Recovery Act Funding Awards

Using its American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA) funding under its State Clean Diesel Grant Program, EPA has made \$1.73 million available to each State and the District of Columbia. A list of the State agency grantees for EPA's State Clean Diesel Grant Program is at

<http://www.epa.gov/oms/eparecovery/progstate.htm>. Listed below are any Recovery Act funds granted for which idle-reduction components have been explicitly described. If you have idle-reduction funding award news, please send it to idlingreduction@anl.gov.

Organization	Purpose of Grant	Total Funding
American Lung Associations in Alabama, Georgia, Kentucky, North Carolina, South Carolina, Tennessee, and Florida	Replacement of older, more-polluting vehicles and installation of idle-reducing, battery-powered air conditioners	\$1,118,142
American Lung Association—Upper Midwest	Reduction of diesel emissions for vehicles in public and private fleets; technologies include repowers, retrofits, and idle reduction	\$3.7+ million



Organization	Purpose of Grant	Total Funding
Cascade Sierra Solutions	Emission-control solutions, including auxiliary power units (APUs), for over-the-road diesel trucks based in Utah, Montana, Colorado, and South Dakota	\$850,000
Cascade Sierra Solutions	Great SmartWay Rebate Program (idle-reduction devices included)	\$1.1 million
National School Transportation Association	Replacement of older school buses and installation of emission controls and fuel-operated heaters on other buses in Wisconsin and Minnesota	\$2.4 million
Colorado—Denver Regional Air Quality Council	Emission-reduction projects, including the installation of APUs, fuel-operated heaters, and thermal coolers	\$1,250,000
Colorado Department of Public Health and Environment	APUs or battery air-conditioning systems for long-haul trucks	\$850,000
Colorado—City and County of Denver	Retrofits, including installation of fuel-operated hydraulic and cab heaters	\$700,000
California Air Resources Board (CARB)	Repowering of eight switchyard locomotives that operate with new Tier 3 engines	\$8,888,888
Florida—Leon County School Board	New compressed natural gas school buses, repowering of existing school buses, and developing and providing idle-reduction training	\$347,288
Georgia Department of Natural Resources	Truck stop electrification technology	\$748,000
Illinois Environmental Protection Agency	Clean up of on- and off-road diesel vehicles and equipment; technologies include APUs	~\$4.2 million
Illinois—Chicago Department of Environment	Diesel emissions reduction projects, including purchase and installation of diesel-fired heaters	\$1 million
Kentucky Association of General Contractors	Retrofit and repower and promotion of adoption of anti-idling practices	\$2 million
Maine Turnpike Authority	Truck stop electrification technology	\$1,209,100
Mississippi—Columbus schools	Replacement school buses and installation of direct fire heating units in other buses	\$1,445,851
Missouri—Grace Hill for the North St. Louis Impact on Diesel Emissions (SLIDE) program	Diesel emission reduction technologies and idle reduction technologies	\$2 million
Nebraska—Lincoln-Lancaster Health Department	Retrofitting of diesel vehicles and equipment, emergency generators, and public school buses, and repowering of eight switch engines	\$1 million



Organization	Purpose of Grant	Total Funding
New Hampshire—DERA grant applicants	Idle-reduction projects	\$380,955
New Mexico—Albuquerque	Upgrade of ground-support equipment (replacing diesel-powered equipment with electric equipment) at the city's airport	\$583,125
New York and New Jersey Port Authority	Shore power at the Brooklyn Cruise Terminal	\$2,858,200
North Dakota—Mid-Dakota Education Cooperative	Emission-control solutions for school buses, including installation of fuel-operated heaters	\$450,000
Oregon—City of Portland	Reduction of diesel emissions from municipal vehicles and construction contractor equipment and installation of fuel-operated heaters on 237 vehicles	\$1.6+ million
Utah Department of Environmental Quality	Repowering of engines in agricultural vehicles and equipment and installation of APUs on agricultural vehicles	\$750,000
Washington—Port of Tacoma	Retrofit of two vessels with certified ship-side technology and the addition of alternative maritime power at one terminal	~\$1.5 million
Washington—school districts, public utilities, transit authorities, and the Department of Transportation	Emissions reduction projects, including installation of preheaters with timers on some buses	\$300,000
Wisconsin Department of Commerce	Idle reduction for heavy-duty diesel trucks	\$2+ million

Port of Long Beach Receives Clean Air Award

On July 15, 2009, the Port of Long Beach won *Sustainable Shipping's* Clean Air Award for efforts to reduce air pollution from ships through slower speeds, cleaner fuels, and shore power. Please see <http://www.sustainableshipping.com/events/2009/london/winners.html>

and <http://www.polb.com/news/displaynews.asp?NewsID=578&targetid=1> for more information.



UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
15 th Directions in Engine-Efficiency and Emissions Research Conference	Dearborn, Michigan	August 3–6, 2009	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
25 th Clean Air Conference	Estes Park, Colorado	September 21–24, 2009	http://www.ncvecs.colostate.edu/cac.docs/cac23/CAC23Home.htm
Sustainable Shipping Conference	San Francisco, California	September 29–October 1, 2009	http://www.sustainableshipping.com/events/2009/sanfrancisco/?tag=21-17181-4355457-0
Society of Automotive Engineers Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 6–7, 2009	http://www.sae.org/cve
Hybrid Truck Users Forum National Conference	Atlanta, Georgia	October 27–29, 2009	http://www.calstart.org/Projects/Hybrid-Truck-Users-Forum.aspx or ddubose@calstart.org
TRB 89th Annual Meeting	Washington, D.C.	January 10–14, 2010	http://www.trb.org/AnnualMeeting/default.asp

MANUFACTURERS' NEWS

Espar's Large Hydronic M II Coolant Heater Wins CARB Approval

Espar has received CARB approval for its large Hydronic M II series of heaters, which includes the Hydronic 8, 10, and 12 (27,300 BTU/hr, 32,450 BTU/hr, and 42,000 BTU/hr, respectively). These coolant heaters are particularly well suited to school buses and transit and

motor coach buses. According to Espar, the heaters enable warm starts, and buses may be preheated and windows defrosted without engine idling. More information is available at www.espar.com.



ClimaCab and Webasto Partner for Climate-Control Solution

ClimaCab and Webasto have partnered to offer an idle-free climate-control solution for heavy-duty trucks. Glacier Bay's electric air conditioning system, ClimaCab, and Webasto's Air Top 2000 ST heater are integrated into a package that provides control of sleeper

cab environment year-round. Glacier Bay will be the supplier for all system sales, parts, service, and warranty needs. Please go to http://www.glacierbay.com/news/press_releases.html for more details.

ELECTRIFIED PARKING SPACES

NATSO Offers Online TSE Resource

The National Association of Truck Stop Operators (NATSO) is now offering an Idle Reduction/Truckstop Electrification Toolkit on its website. Listed are funding opportunities and incentives. Although private truck stops are not directly eligible for Federal funding, private

truck stop and travel plaza owners may partner with eligible entities such as regional, State, local, or tribal agencies or nonprofit organizations. Please see <http://www.natsofoundation.org/toolkit/> for more information.

PORTS

New York and New Jersey Port Approves Clean Air Program

The Port Authority of New York and New Jersey received two grants from the EPA, totaling \$9.8 million, and another \$1.8 million grant from the North Jersey Transportation Planning Authority to implement the first pieces of a Comprehensive Clean Air Strategy for the port. A \$7 million Federal grant will help launch a \$28 million program to replace pre-1994 model year trucks serving the port. The EPA grant, and an additional \$21 million incentive fund from the Port Authority, will enable truck owners serving the port to replace their pre-1994 trucks with newer, less polluting vehicles.

In addition to the truck program grant, the Port Authority received \$2.8 million from the EPA to support the installation of shore power at the Brooklyn Cruise Terminal. This terminal would be the first on the East Coast to provide shore power to docked vessels. At an estimated cost of \$2 million, Carnival Cruise Lines has committed to reconfiguring two cruise vessels that frequently call at the terminal to receive shore power. Please click on <http://www.panynj.gov/AboutthePortAuthority/PressCenter/PressReleases/PressRelease/index.php?id=1266> for more information. *Source:* Joe Tario, NYSERDA



REPORTS OF INTEREST

Source	Title	Website or Contact
EPA	Truck Stop Electrification and Anti-Idling as a Diesel Emissions Reduction Strategy at U.S.-Mexico Ports of Entry	http://www.epa.gov/usmexicoborder/docs/reports/OtayTruckStopElectrificationReport2009.pdf
Center for Transportation Research at the University of Texas-Austin	The Impacts of Port, Rail, and Border Drayage Activity in Texas	http://www.trb.org/news/blurb_detail.asp?id=10654&utm_medium=email&utm_source=Transportation%20Research%20Board&utm_campaign=TRB+E-Newsletter+-+07-28-2009&utm_content=Web&utm_term
<i>Science of the Total Environment</i> 2009;407(10):3357–3364	Associations of PM2.5 and Black Carbon Concentrations with Traffic, Idling, Background Pollution, and Meteorology During School Dismissals	http://www.ncbi.nlm.nih.gov/pubmed/19250655?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum (abstract)
<i>International Journal of Environmental Research and Public Health</i> 2009;6(2):694–709	Use of a Remote Car Starter in Relation to Smog and Climate Change Perceptions: A Population Survey in Quebec (Canada)	http://www.ncbi.nlm.nih.gov/pubmed/19440410 (abstract)

OTHER NEWS OF INTEREST

SmartWay Manager Heads off to Greener Pastures

Mitch Greenberg, who has led the EPA SmartWay Transport Program since its inception, has left EPA to join a start-up aerospace engineering firm. The new company focuses on developing designs and products to improve the fuel efficiency of Class 8 trucks. The new effort transfers advanced aerodynamic and mechanical design and

testing methods used in the aerospace industry to ground transportation. Mitch is joining a group of aerospace and mechanical engineers, led by Mike Henderson who was the former Chief of Research at Boeing.



Cheryl Bynum is now serving as Acting Group Manager of the SmartWay Transport Group until a permanent replacement is hired. She previously led the SmartWay technology team, where she was instrumental in developing specifications for the SmartWay certified

tractor and trailer, among other things. Cheryl began her career in the shipping and freight industry and is committed to moving SmartWay and the industry forward. *Sources:* Mitch Greenberg and Annie Kee, EPA SmartWay

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W/HATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)



- Natural Resources Canada
(<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APUs
(http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters
(http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)

- Webasto
(http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in June 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Websites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, and

Shorepower Technologies installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.



The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the

location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The table below is based on one created by the Federal Highway Administration in 2008, and we have updated it as we have become aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	Tennessee	Wyoming
Arkansas	Hawaii	Maine*	Nebraska	Ohio	Texas	
California	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption; states in **gray** do not permit the exemption.

* Effective September 17, 2009.



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NATIONAL IDLING REDUCTION NETWORK NEWS

June 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/apply.html
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.energymaine.com/business_programs_sbllp.htm
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	http://www.dep.state.fl.us/air/msc/mobile_sources.htm
North Central Texas Council of Governments (NCTCOG)	Heavy-Duty Vehicle and Equipment Grant Program	\$10.7 million	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org



Organization	Project	Funding	Deadline	Website
Border Environment Cooperation Commission and U.S. Environmental Protection Agency (EPA)	Region 9 Border 2012 Program	\$900,000	June 30, 2009	http://www.epa.gov/Border2012
Kansas Department of Health and Environment	Kansas Diesel Grant Program	\$1.73 million	June 30, 2009	http://www.kdheks.gov/bar/air-monitor/stimgrant.html
Nebraska Department of Environmental Quality	State Clean Diesel Grant Program	\$1.73 million	June 30, 2009	http://www.recovery.nebraska.gov/infrastructure/enviroment/clean_diesel.html
New York State Energy Research and Development Authority (NYSERDA)	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on August 5, 2009, and January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
South Carolina Department of Health and Environmental Control	Diesel Emissions Reduction Act Grant Program	\$600,000	July 13, 2009	http://www.scdhec.gov/DERA
Wisconsin Department of Natural Resources	ARRA Wisconsin Clean Diesel Grant Program	\$1.73 million	August 3, 2009	http://dnr.wi.gov/air/mobile/CleanDieselGP.htm
U.S. Department of Energy (DOE)	Energy Efficiency and Conservation Block Grants – Recovery	\$3 billion	August 10, 2009 (deadline extended)	http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppld=46340 or https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx
U.S. Department of Transportation (DOT)	TIGER (Transportation Investment Generating Economic Recovery) Discretionary Grants	\$1.5 billion	September 15, 2009	http://www.dot.gov/recovery/ost/
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/sbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf



REGULATORY NEWS

ATRI Updates Idling Compendium

The American Transportation Research Institute (ATRI) has updated its list of State and local idling regulations. The current update includes changes to idling laws in Missouri, enactment of limits in several Texas cities and counties, and a more stringent limit adjacent to public schools in New York City. The specific updates are:

- Reducing the idling limit in the City of St. Louis, Missouri, from 10 minutes to 5 minutes and adding several operational exemptions.
- Establishing a 5-minute idling limit in the Missouri counties of Clay, Franklin, Jackson, Jefferson, Platte, St. Charles, and St. Louis.
- Adopting a 5-minute idling limit from April through October in several areas of Texas, including the cities of Arlington,

Benbrook, Celina, Colleyville, Dallas, Euless, Georgetown, Hurst, Hutto, Keene, Lake Worth, Lancaster, Little Elm, Luling, Mabank, McKinney, Mesquite, North Richland Hills, Pecan Hill, University Park, and Westlake, and the counties of Collin, Kaufman, and Tarrant.

- Enacting a 1-minute idling limit adjacent to public schools in New York City.

The list also provides information on new idling regulations that are, or will soon be, in effect in Florida, Maine, Pennsylvania, and South Carolina. For the most current information, please see

http://www.atrionline.org/index.php?option=com_content&view=article&id=164&Itemid=70. Source: Mike Tunnell, ATRI

Illinois to Boost Fines for Idling Trucks

HB 2664, a bill awaiting Illinois Governor Pat Quinn's signature, would raise the fines charged to operators of vehicles weighing more than 8,000 pounds who are caught idling unnecessarily for more than 10 minutes per hour in the Chicago and East St. Louis areas. First-time offenders would be hit with a \$90 fine instead of a \$50 fine. Likewise, fines for repeat offenders would increase from \$150 to \$500. The new legal provisions also allow for a special fund to be created in the State Treasury, the Trucking Environmental and Education Fund. This fund would subsidize Illinois EPA efforts to educate the trucking industry on air pollution and preventive measures specifically related to idling.

There are still many exemptions allowed, such as permitting idling when temperatures are 32°F or colder or 80°F or hotter. Truckers would still be allowed to idle for no more than 30 minutes while waiting to weigh, load, or unload cargo or freight unless they are in a line that is moving forward periodically. Please check out

http://www.landlinemag.com/todays_news/Daily/2009/May09/051109/051109-02.htm and <http://www.ilga.gov/legislation/fulltext.asp?DocName=09600HB2664lv&SessionID=76&GA=96&DocTypeID=HB&DocNum=2664&print=true> for more information.



NYC's Fresh Direct Pays Fine, Installs Automatic Engine Shut-off Technology

In an agreement with New York State's attorney general, Andrew Cuomo, Fresh Direct, a New York City grocery delivery company, will adopt a program to eliminate all nonessential idling by its fleet of about 100 delivery trucks. The company will also pay a \$50,000 penalty for violating State and city anti-idling laws. Fresh Direct agreed to a penalty of \$120,000, with \$70,000 suspended contingent on the company's compliance with the terms of the agreement. One part of the agreement requires that Fresh Direct install electronic controls on delivery trucks; engines would be shut off automatically after idling for 3 minutes.

The agreement also commits Fresh Direct to adopt a comprehensive "no idling policy" to eliminate all truck idling not essential to business

operations. To help ensure the success of this policy, Fresh Direct is required to implement a program of education and training, random monitoring, and compliance and enforcement.

New York State's law limits "heavy-duty vehicles," such as trucks and buses, to 5 minutes of continuous idling. In New York City, no motor vehicle may idle continuously for more than 3 minutes; near schools, idling is limited to no more than 1 minute. For more information, please see http://www.ag.ny.gov/media_center/2009/apr/apr24a_09.html.

Pennsylvania Releases Information on New Anti-Idling Regulation

A fact sheet for the Pennsylvania's Diesel-Powered Motor Vehicle Idling Act is available online at <http://www.dep.state.pa.us/dep/deputate/airwaste/aq/cars/idling.htm>. The law, which restricts vehicles weighing more than 10,000 pounds

from idling more than 5 minutes in any 60-minute period, took effect on February 6, 2009.

Statewide Idling Limit Proposed for Wisconsin

The Wisconsin Clean Diesel Coalition has drafted a proposed idling restriction: if adopted, commercial vehicles would be allowed to idle only 5 minutes in any 60-minute period. Idling would be permitted to prevent health emergencies and when temperatures are below 10°F. Trucks could idle for 15 minutes per hour when temperatures are below 40°F or above 75°F. Brett Hulsey, a county supervisor for

Dane County, Wisconsin, said that he expects the Wisconsin Legislature to take up the matter by fall. For more information, please go to http://www.landlinemag.com/todays_news/Daily/2009/June09/062209/062409-06.htm.



AWARDS AND RECOGNITION

EPA Makes Recovery Act Funding Available to States

Using its American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA) funding under its State Clean Diesel Grant Program, EPA has made \$1.73 million available to each State and the District of Columbia. A list of the State agency grantees for EPA's State Clean Diesel Grant Program is at <http://www.epa.gov/oms/eparecovery/progstate.htm>. Listed below are

Recovery Act funds granted for which idling reduction components have been explicitly described. Funding for Ohio is at <http://www.portfolio.com/news-markets/local-news/columbus/2009/06/04/stimulus-dollars-funding-clean-diesel-projects>.

Organization	Purpose of Grant	Total Funding
Arizona Department of Environmental Quality	Truck stop electrification project along the U.S.-Mexico border	\$1.73 million
Connecticut Department of Environmental Protection	Truck stop electrification (installation of up to 100 electrified parking spaces)	\$380,256
Ohio EPA	Clean diesel projects	\$6.1 million (includes other Recovery Act funding)
Massachusetts Department of Environmental Protection (MassDEP)	Vehicle idling reduction tool kits for 16 municipalities	\$9,750
Massachusetts Port Authority (Massport)	Dockside power at Boston Fish Pier	\$100,000

SCSPA Helps Truck Owners Offset Cost of Idle-Reduction Technologies

In a public-private grant program funded in part by the EPA, the South Carolina State Ports Authority (SCSPA) is helping truck owners that serve the Port of Charleston cover the cost of idle-reduction and retrofitting technologies. Bulldog Hiway Express, Superior Transportation, B.W. Mitchum, Rich Mountain Transport, Osprey Leasing Corp., T&M Transfer, The Maine Team, and McKenzie

Trucking, as well as nine owner-operators, received the rebates from the \$575,000 fund. SCSPA received applications totaling more than 10 times the available funding. More information is available at <http://www.porttechnology.org/article.php?id=4496> and <http://www.charlestonbusiness.com/news/27327-maritime-industry-spa-tout-new-green-initiatives-to-reduce-emissions>.



Grants Awarded for Wisconsin Clean Diesel Grant Program

Grantees for the 2008 Wisconsin Clean Diesel Grant Program were awarded more than \$125,000 for technologies supporting idle reduction. Grants ranged from \$3,672 to more than \$15,000. Details may be found at

http://www.landlinemag.com/todays_news/Daily/2009/June09/062209/062209-02.htm and <http://dnr.wi.gov/org/caer/cfa/awards/CleanDieselAwards.pdf>.

Idling Reduction Distinguishes Two 2008 EPA Clean Air Excellence Award Recipients

Each year, the EPA recognizes outstanding, innovative efforts by those making progress toward achieving cleaner air. Two of the 15 entities that received 2008 Clean Air Excellence Awards have idling reduction components.

Kenworth Green Power Solutions (Renton, Washington) was recognized for three products released in 2008, including the Kenworth Clean Power System, which is a no-idle, battery-powered system that provides 10 hours of continuous operation during mandatory rest periods for truck drivers. The system includes enhanced insulation, cooling storage capacity for air-conditioning, auxiliary heat, high-efficiency LED lighting, and 110-volt AC outlets. By eliminating idling during rest periods, the system reduces fuel use by 1 gallon per hour.

Greater Boston Breathes Better (Cambridge, Massachusetts), a multi-stakeholder partnership dedicated to improving air quality and reducing emissions from transportation and construction, was recognized for partner projects that have significantly reduced the local impact of diesel emissions, including: training more than 1,000 school bus drivers in anti-idling procedures; the adoption of construction contract language requiring retrofits and cleaner fuels at several significant construction projects; the use of biodiesel in Harvard University's vehicles; and retrofitting the Medical Academic and Scientific Community Organization's 17 shuttle buses and Boston's 600 diesel school buses with advanced pollution control technology. For more on award recipients, please go to <http://www.epa.gov/air/caaac/recipients.html>.

NYSA Wins 2009 U.S. EPA Environmental Quality Award

The New York Shipping Association (NYSA) has won an EPA Environmental Quality Award. Over the last 5 years, it has instituted changes to equipment and operations in the Port of New York and New Jersey that have resulted in a 45-percent reduction of air

emissions per ton of cargo. Among the green initiatives was the institution of no-idling zones. For more information, please look at <http://yosemite.epa.gov/opa/admpress.nsf/0/23F24F8360CEC559852575A20067C764>.



Methuen Idle Reduction Collaboration Receives EPA Award

EPA's annual Environmental Merit Awards honor groups and individuals who have shown particular ingenuity and commitment in their efforts to preserve the region's environment. The Methuen Idle Reduction Collaboration, a Methuen, Massachusetts, neighborhood group formed in response to problems with long-duration truck idling, recently received an award for taking the initiative to learn State and

local idling laws and working with the EPA and local entities to monitor idling at a commercial and industrial plaza. All forms of idling at the site are now greatly diminished. Please check out <http://yosemite.epa.gov/opa/admpress.nsf/8b770facf5edf6f185257359003fb69e/e3f5e67ea3442b83852575a00064855c!OpenDocument> for more information.

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
15 th Directions in Engine-Efficiency and Emissions Research Conference	Dearborn, Michigan	August 3–6, 2009	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
25 th Clean Air Conference	Estes Park, Colorado	September 21–24, 2009	http://www.ncvecs.colostate.edu/cac.docs/cac23/CAC23Home.htm
Society of Automotive Engineers Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 6–7, 2009	http://www.sae.org/cve

PRESENTATIONS FROM MEETINGS AND EVENTS

Meeting/Event	Date	Website or Contact
EPA National Clean Diesel Campaign Diesel Emissions Quantifier Webinar	January 29, 2009	http://cfpub.epa.gov/quantifier/view/index.cfm



MANUFACTURERS' NEWS

Thermo King and TruckersB2B Offer Rebate Program

TruckersB2B members are offered the following rebates:

- TriPac APU System: \$200 rebate
- SB+ Series Unit: \$250 rebate
- Spectrum Multi-Temp Refrigeration Unit: \$250 rebate

All sales will be handled by the members' local Thermo King dealers, who will negotiate the sale prices with the members. Members will receive their rebates from TruckersB2B. For each member, a maximum of five rebates will be available for each item per calendar year. For more information, go to www.truckersb2b.com.

PORTS

Cold Ironing Landmark at Port of Long Beach

The world's first oil tanker terminal to be equipped with shore power was unveiled at the BP Oil Terminal at Pier T, Port of Long Beach, on June 3, 2009. Shore power (or "cold ironing") enables specially equipped ships to turn off their engines and draw electrical power from the onshore grid to power operations, such as pumping, communications, ventilation, and lighting. According to the press

release, providing shore power to an off-loading oil tanker is the equivalent of removing 187,000 cars from the road for a day. The public/private partnership project cost \$23.7 million, with \$17.5 million from the Port of Long Beach and \$6.2 million from BP. For more information, please go to <http://www.polb.com/news/displaynews.asp?NewsID=560&targetid=1>.

Long Beach Port Designates \$26 Million for Electrification

The Long Beach Board of Harbor Commissioners approved an \$881 million budget for the Port of Long Beach, more than \$96 million of which is designated for environmental programs, including \$26 million

for electrification of berths so ships can plug in and turn off diesel engines. For more information, please see <http://www.polb.com/news/displaynews.asp?NewsID=553&targetid=1>.



REPORTS OF INTEREST

Source	Title	Website or Contact
<i>Journal of the Air & Waste Management Association</i>	"Idle Emissions from Medium Heavy-Duty Diesel and Gasoline Trucks," 2009;59(3):354–359	http://secure.awma.org/journal/Abstract.aspx?id=2059 (requires subscription to read the entire paper)

TRUCK PARKING

Jason's Law Moves Forward in U.S. Congress

Named for truck driver Jason Rivenburg, who was slain while parked at an abandoned gas station, Jason's Law (H.R. 2156) seeks the provision of safe parking for truck drivers. The legislative proposal would provide \$20 million in each of the next 6 years for a pilot program designed to generate more truck parking spaces across the country. It would allow State and local governments, truck stops, and shippers to obtain Federal grants to build parking spaces or install

safety improvements. Please go to http://www.landlinemag.com/todays_news/Daily/2009/May09/051109/051409-02.htm, <http://www.ttnews.com/articles/basetemplate.aspx?storyid=21885>, and <http://www.truck.net/news/3403/109.html> for more information. Source: Joe Tario, NYSERDA

VDOT Relents, Proposes Closure of Only 23 Rest Stops

Initial plans to save \$12 million annually by closing 23 of Virginia's 42 rest areas have been altered to address concerns about truck parking and travel distance between facilities on Interstate 81. Six rest areas initially slated to close will remain open, reducing the total number of rest areas from 42 to 23.

In response to industry requests, the Virginia Department of Transportation (VDOT) will replace the "2-hour" commercial parking rule in rest areas with "no overnight parking" and replace 225 truck parking spaces lost to facility closures by reconfiguring parking lots at

some remaining facilities. Two Interstate 95 – Dale City – truck only facilities in Northern Virginia will be retained.

The Commonwealth will also pursue Federal law changes to allow future rest area commercialization.

These changes represent \$9 million in annual savings and begin in July 2009. For more information, please read http://virginiadot.org/newsroom/statewide/2009/final_fiscal_years_201041236.asp.



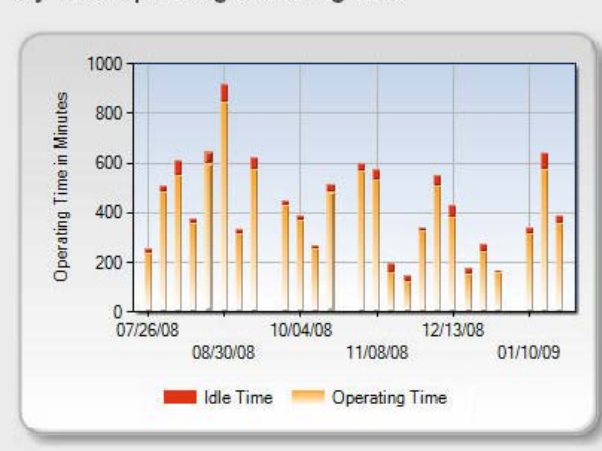
OTHER NEWS OF INTEREST

Passenger Vehicle Pilot Program: Idling Reduced by 35 Percent

In March 2008, Driving Change™ and the City of Denver undertook a pilot program involving 160 city vehicles and 240 private passenger vehicles. The goal? To obtain information about how driving behavior relates to emissions.

The drivers' vehicles were equipped with an on-board telemetry system that sent operating information—including idling, fast starts, and hard stops and turns—to Enviance, Inc.'s, internet-based greenhouse gas management system. Drivers later accessed data on how their driving behavior affected emissions.

My Total Operating and Idling Time



Among other things, they were able to see the cost of excess fuel consumed by particular actions. According to Enviance, idling was reduced by more than 35 percent in the first 7 months of the program. It was also found that driver education had an impact; the drivers who received more information about the program's goals reduced engine idling by more than 40 percent.

The program was underwritten by Denver-based EnCana Oil & Gas. For more information, please see <http://www.drivingchange.org>. (Image courtesy of Enviance, Inc.)

Idling a Hot Topic in NYC Media

May was a month for idle discourse. In a special energy report, *The New York Times* provided an overview of current idle reduction strategies at <http://www.nytimes.com/2009/05/19/business/global/19rentruck.html?pagewanted=all>.

The efforts of George Pakenham, a civic activist in New York City, to educate the public about idling were described in the May 18, 2009, issue of the *New Yorker's* "Primary Sources: The Verdant Vigilante." Another article in that issue on this topic,

http://www.newyorker.com/talk/2009/05/18/090518ta_talk_mcgrath, is available only to subscribers to the magazine. More information is available at

<http://www.newyorker.com/online/blogs/newsdesk/2009/05/primary-sources-the-verdant-vigilante.html>.

Mr. Pakenham was also featured on the National Public Radio show, *Here and Now*. That interview can be heard at <http://www.hereandnow.org/2009/05/rundown-528/>.

A television news spot featuring Mr. Pakenham may be seen at <http://wcbstv.com/video/?id=129342@wcbs.dayport.com>.



RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W/HATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APUs (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)



- Webasto
(http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in June 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, and Shorepower Technologies installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.



Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

aware of changes. As time permits, URLs will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

The table below is based on one created by the Federal Highway Administration in 2008, and we have updated it as we have become

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi	New York	South Carolina	West Virginia
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	Tennessee	Wyoming
Arkansas	Hawaii	Maine*	Nebraska	Ohio	Texas	
California	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia**	
Delaware	Iowa	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption; states in **gray** do not permit the exemption.

* Effective September 17, 2009. ** Effective July 1, 2009



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NATIONAL IDLING REDUCTION NETWORK NEWS

Early Spring 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/solicitations_open.php
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbliip.htm
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org



Organization	Project	Funding	Deadline	Website
U.S. Environmental Protection Agency (EPA)	American Recovery and Reinvestment Act Funding for the National Clean Diesel Funding Assistance Program	~\$156 million	April 28, 2009	http://epa.gov/otaq/eparecovery/documents/recovery-act-national-clean-diesel-rfa.pdf
	American Recovery and Reinvestment Act Funding for the SmartWay Clean Diesel Finance Program	~\$30 million	April 28, 2009	http://epa.gov/otaq/eparecovery/documents/recovery-act-smartway-finance-clean-diesel-rfa.pdf
	American Recovery and Reinvestment Act Funding for the Clean Diesel Emerging Technologies Program	~\$20 million	May 5, 2009	http://epa.gov/otaq/eparecovery/documents/recovery-act-emerging-technology-rfa.pdf
DOE	Recovery Act – Transportation Electrification	~\$378 million	May 13, 2009	https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_OpportunitySummary.aspx
U.S. Department of Energy (DOE)	Energy Efficiency and Conservation Block Grants - Recovery	\$3 billion	Applications from States due May 26, 2009; applications from local governments and Indian tribes due June 25, 2009	http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppld=46340
American Council for an Energy-Efficient Economy	2009 Champion of Energy Efficiency Awards	N/A	May 22, 2009	http://aceee.org/about/09sschampform.doc
U.S. Army	Tactical Idle Reduction for Heavy Tactical Vehicles Technology Transition Initiative	TBD	May 26, 2009	https://abop.monmouth.army.mil/busopor27-2009.nsf/all/W909MY-09-R-0007



Organization	Project	Funding	Deadline	Website
New York State Energy Research and Development Authority	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on August 5, 2009, and January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

AWARDS AND RECOGNITION

EPA Announces More FY 2008 DERA Awards, Plans for FY 2009 Solicitations

Using almost \$50 million from the Diesel Emissions Reduction Act (DERA) in FY 2008, EPA conducted targeted, competitive solicitations and has published notices about the awarding of funds. Awards from

the first tranche of almost \$3.4 million for the national diesel program were announced in September 2008 for loans for small trucking companies.

FY 2008 National DERA Awards

Organization	Purpose of EPA Grant	Total Funding
Cascade Sierra Solutions	Provide below-market interest rate loans for truckers, allowing for installation of idling reduction equipment on 1,700 trucks and leveraging \$17.1 million	\$1.13 million
Community Development Transportation Lending Services	Create national low-interest revolving loan fund for the purchase of used trucks that have EPA SmartWay upgrades or will receive SmartWay upgrades	\$1.13 million
Owner-Operator Independent Drivers Association	Administer an Innovative Finance Program to help small business truckers obtain auxiliary power units (APUs) by paying 40 percent of the cost to purchase and install the units	\$1.13 million



The January issue of this newsletter had information on the \$14.8 million for the FY 2008 DERA State Clean Diesel awards that include idling reduction. Please see http://www1.eere.energy.gov/vehiclesandfuels/pdfs/idling_news/jan09_network_news.pdf for that article.

EPA's DERA funding also went to the seven Diesel Collaboratives formed by the 10 EPA regions. Notices of awards have been published by the Mid-West Clean Diesel Collaborative and the Northeast Diesel Collaborative. Awards that are being used for idling reduction are in the table below:

FY 2008 Mid-West Clean Diesel Awards that Include Idling Reduction		
Organization	Purpose of EPA Grant	Total Funding
Illinois Green Fleets	Provide 14 grants to reduce pollution, including APUs, on a variety of buses and trucks	\$678,604
Indiana Department of Environmental Management	Partner with two DOE Clean Cities Coalitions (South Shore and Central Indiana) to provide seed money, in part, for a State-wide loan program for APUs	\$334,500
NextEnergy Center	Partner with A.D. Transport to retrofit 62 long-haul trucks with APUs	\$250,000
Ohio Environmental Council	Provide funding to Columbus Regional Airport Authority to install APUs on three airport vehicles	\$394,589
FY 2008 Northeast Clean Diesel Awards that Include Idling Reduction		
Massport	Install enough dockside power stations at the Boston Fish Pier to accommodate 12 fishing vessels	\$400,000
Manchester, New Hampshire, Transit Authority	Install a combination of advanced pollution control and idle reduction technologies on 89 municipal vehicles and idle reduction devices on an additional 10 school buses	\$229,703
Northeast States for Coordinated Air-Use Management	Install APUs on 17 locomotives built between 1969 and 1988	\$535,250

Complete information about each of the awards is available at https://secure.cascadesierrasolutions.org/downloads/newsmedia/EPA_9_24_08_14fnt.swf, http://www.ooida.com/Benefits&Services/Services/Truck_Finance/AP_U%20Grant%20APP.pdf, http://www.truckinginfo.com/news/news-detail.asp?news_id=61525, <http://yosemite.epa.gov/opa/admpress.nsf/0/4668C9A4E2DAE88F852574CE00586F72>, <http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/7ec82cb59ea5abd68525756900722d39!OpenDocument>,

<http://yosemite.epa.gov/opa/admpress.nsf/0/F2F1FDDBCFF91A7185257569007261AD>, <http://www.illinoisgreenfleets.org/clean-diesel-grant/diesel-fact-sheet.pdf>, and <http://www.epa.gov/midwestcleandiesel/grants/mcdirfp08.html#competitive>.

Finally, FY 2008 grant awards for emerging technologies totaling approximately \$3.4 million have yet to be announced.



Several Requests for Applications for FY 2009 DERA funding are currently open (see page 2). As in FY 2008, EPA will make awards in categories: the State Clean Diesel Program and the National Clean Diesel Program, which will make awards through the National Clean

Diesel Assistance, SmartWay Clean Diesel Finance, and National Clean Diesel Emerging Technologies Programs. Each solicitation is on a fast track, and awards will be announced as quickly as possible.

REGULATORY NEWS

More Enforcement Likely in NYC

With input from public citizens and environmental organizations, New York City has provided new authority to the Department of Parks and Recreation and the Department of Sanitation to issue idling violations for passenger vehicles and commercial vehicles. In the past, authority for enforcement of the almost 40-year-old, 3-minute anti-idling regulation had been the responsibility of the New York City Police Department and the Department of Environmental Protection. Due to their higher priorities, however, enforcement by these organizations had been very rare. In fact, in 2002, only 325 idling violations had been issued, and as recently as 2007, just 526; all but 10 of these were for diesel-powered vehicles, meaning that automobiles were rarely cited. Given that as many as 1.9 million vehicles enter and leave Manhattan in just one day, one can assume that a significantly higher number of unnecessary idling violations occur every day.

In addition, idling time at schools has been reduced from 3 minutes to 1 minute.

There will also be an annual violations report so that officials can track progress on reducing idling and increased enforcement.

To promote awareness of the issue, Mayor Bloomberg's office is planning a public campaign to target drivers to make them aware of the existence of the law and to spell out the fines. More information is available at

<http://www.mycentraljersey.com/apps/pbcs.dll/article?AID=/20090217/NATIONWORLD/902170341&template=printart>,
http://nyc.gov/portal/site/nycgov/menuitem.c0935b9a57bb4ef3daf2f1c701c789a0/index.jsp?pageID=mayor_press_release&catID=1194&doc_name=http%3A%2F%2Fnyc.gov%2Fhtml%2Fom%2Fhtml%2F2009a%2Fpr068-09.html&cc=unused1978&rc=1194&ndi=1,
and <http://www.nytimes.com/2000/11/26/nyregion/state-city-packed-like-sardines-many-see-crowds-progress-others-wish-prosperity.html?sec=&spon=&pagewanted=2>. Source: George Pakenham, civic activist



North-Central Texas Forges Ahead with Anti-Idling Campaign

The Regional Transportation Council in North-Central Texas (the Dallas – Fort Worth Area) is leading an effort to encourage region-wide participation in an anti-idling education and enforcement campaign. To date, 18 entities in the region have adopted the Texas motor vehicle idling rule, which limits idling to no more than 5 minutes for vehicles over 14,000 pounds gross vehicle weight rating between the months of April and October. Several exemptions exist related to vehicle type, operations, and climate control. Please visit www.EngineOffNorthTexas.org for more information.

In addition, the North-Central Texas Council of Governments has developed a *Local Government Guide to North Texas Idling Restrictions*, which is available at www.nctcog.org/IdlingGuide. This is a useful resource for local entities interested in implementing idling restrictions. It covers such topics as adopting an anti-idling ordinance to education and enforcement activities. In addition, an anti-idling sign, brochure, and idling complaint hotline and website have been created to help educate the public. For questions about this program, please send an e-mail to IdlingRule@nctcog.org. Source: Whitney Ewerz, North-Central Texas Council of Governments

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
15 th Directions in Engine-Efficiency and Emissions Research Conference	Dearborn, Michigan	August 3-6, 2009	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
25 th Clean Air Conference	Estes Park, Colorado	September 21-24, 2009	http://www.ncvecs.colostate.edu/cac.docs/cac23/CAC23Home.htm

MANUFACTURERS' NEWS

Thermo King Gains CARB Approval for DPF

Thermo King has earned the approval of the California Air Resources Board (CARB) for the diesel particulate filter (DPF) that it uses in its TriPac™ Hybrid Auxiliary Idle Reduction and Temperature

Management System, an auxiliary power unit (APU) for heavy-duty trucks. The DPF is designed to meet TriPac APU emissions requirements required by CARB for APUs running in California that



are attached to class 8 tractors with 2007 or newer engines. According to Thermo King, the TriPac DPF offers several other features important to drivers and owners:

- Regeneration, the process of burning off particulate matter trapped in the filter element, takes place during normal driving hours with no disruption to the driver during rest periods.
- Extended APU runtime between regenerations assures minimal driver involvement.

- Customers can expect no reduction in fuel economy, extra strain on the APU, or alteration in the scheduled maintenance intervals.
- Engine noise is reduced.
- There are nine different mounting options on the cab's frame rails.
- The APU is available as an aftermarket or original equipment option.

More information is available at <http://www.thermoking.com/tripac/>.

NITE System Now CARB Compliant, Partners with Kohler as Hybrid System

Bergstrom's NITE No-Idle System has also been approved by CARB, in addition to meeting or exceeding all EPA standards. NITE is an engine-off heating and cooling system, which Bergstrom claims can reduce the average truck's fuel usage by 3,790 gallons a year. The system, which is now available as a factory-installed option in Navistar trucks, features a battery-powered and fully electrified sleeper air-conditioning (AC) system for both over-the-road and engine-off operation. Unlike other battery-powered systems that are thermal storage devices, the company states that the NITE system is an AC unit. With the engine off, the sleeper AC system operates on deep-cycle batteries, and with the engine running, switches to the truck's engine-driven electrical system.

The company also recently announced a partnership with Kohler Power Systems for a hybrid system; the hybrid power system uses the new Bergstrom NITE Plus System combined with a Kohler DC power unit. According to Bergstrom, the hybrid power system allows the driver to operate the heating and cooling system efficiently. When the power level of the system's batteries is low, the Kohler DC power unit recharges the batteries; the NITE Plus System can still provide cab comfort to the driver during this process.

Should the truck's batteries be depleted, the Kohler unit can recharge those too. During AC operation, there is no fuel use; in the heating mode, the company claims that only 0.05 gallon per hour of fuel is used and only 0.10 gallon per hour in the recharging mode. The company claims other advantages to this hybrid system, such as quiet operation, longer service and maintenance intervals for the power unit, compliance with EPA Tier 2 emission regulations, and compliance with CARB regulations except when the unit is recharging the batteries. In addition, the weight of the complete system is under 400 pounds. The hybrid system will be available in summer 2009. Please go to <http://www.nitesystem.com/html/article.cfm?nid=26>,





<http://www.nitesystem.com/html/article.cfm?nid=29>, and http://www.nitesystem.com/html/pdf/As_seen_in_Nite_ad.pdf for more

information.

RigMaster Shuttered, Acquired by Two Suppliers

Around the beginning of the year, RigMaster Power unexpectedly stopped manufacturing auxiliary power units (APUs) and closed its doors. Since then, owners of RigMaster systems and dealers seemed to have been out of luck. However, the two largest suppliers to RigMaster, Mobile Thermo Systems and Premm Metal Products, have created a joint venture and purchased exclusive rights to manufacture RigMaster APUs. These Toronto-based companies purchased RigMaster's inventory and intellectual property so that they could

manufacture and sell RigMaster APUs, and plan to do so at 15 percent less than RigMaster's price. This new entity is also looking into ways to offer warranties and service by re-creating the large dealer network that RigMaster had had. Please see http://www.landlinemag.com/todays_news/Daily/2009/Jan09/012609/012609-01.htm, http://www.landlinemag.com/todays_news/Daily/2009/Mar09/030909/031209-05.htm, and <http://mobilethermosystems.com> for more details.

PORTS

New Idling Solutions to be Built on U.S.-Mexico Border

A new border crossing between Mexico and the United States will be built in San Luis Rio Colorado in the Mexican state of Sonora. This crossing will be built at the eastern end of the city and at the western border of Arizona and Sonora. The Mexican Ministry of Communication and Transportation (SCT) estimates that an average of 1,641 vehicles per day crosses the San Louis Rio Colorado International Bridge into the United States. Backups of both commercial and passenger vehicles are common, and idling of these vehicles contributes to poor air quality in the area. The U.S. Department of Transportation estimates that commercial vehicles wait an average of 1.8 hours before crossing into the United States.

To alleviate these problems, SCT is having a second crossing built just for commercial vehicles. In November 2007, the concession to operate the port was awarded to Concesionaria y Operadora del Puente Internacional Cucapá for a period of 30 years. The U.S. side of the border crossing is already under construction and expected to initiate operations in October 2009. The Mexican port will include a truck anti-idling/electrification station (TAS). Trucks in the TAS area will be able to connect their systems to available power outlets and thus turn off their engines while waiting to pass through to the inspection area. For more information, please contact Juan Antonio Flores of the North American Development Bank at (210) 231-8000, or go to http://www.landlinemag.com/todays_news/Daily/2008/Nov08/111008/



111308-07.htm,
<http://sanantonio.bizjournals.com/sanantonio/stories/2008/11/10/daily16.html>, and

http://www.nadb.org/pdfs/state_projects/FS%20San%20Luis%20RC%20Crossing%20II%20Eng.pdf.

RAILROADS

Idling Locomotives to be Thing of Past for NJ TRANSIT

The Nation's largest statewide public transportation system, NJ TRANSIT, is continuing its effort to retrofit all the diesel locomotives in its commuter rail fleet with anti-idling systems. In late 2007, it announced plans to end locomotive idling when temperatures rose above 40°F and then expanded the no-idling policy to when temperatures dropped to 0°F. Since then, more than 100 diesel locomotives have been retrofitted with new starters, block heaters, and batteries. In addition, new "wayside" power stations have been installed in rail yards so that maintenance can continue on the locomotives even when the engines are turned off.



Now the transit agency has announced it is continuing this effort by retrofitting 6 more locomotives of a group of 32. Over time, the rest of this group will receive new starters, block heaters, and batteries. This past summer, NJ TRANSIT received \$537,000 in Federal money for this work.

NJ TRANSIT expects to save \$835,000 a year in fuel costs and reduce emissions by 2,269 tons of carbon dioxide, 26 tons of nitrogen oxides, and one-half ton of particulates by having made these improvements. More information is available at http://www.njtransit.com/tm/tm_servlet.srv?hdnPageAction=PressReleaseTo&PRESS_RELEASE_ID=2497, <http://www.northjersey.com/news/transportation/37321279.html>, and http://www.njtransit.com/tm/tm_servlet.srv?hdnPageAction=PressReleaseTo&PRESS_RELEASE_ID=2378. Source: Joe Tario, NYSERDA



REPORTS OF INTEREST

Source	Title	Website or Contact
California Air Resources Board	<i>Rail Yard Health Risk Assessments and Mitigation Measures</i>	http://www.arb.ca.gov/railyard/hra/hra.htm
Environmental Defense Fund	<i>Idling Gets You Nowhere: The Health, Environmental and Economic Impacts of Engine Idling in New York City</i>	http://www.edf.org/documents/9236_Idling_Nowhere_2009.pdf
EPA and NYSERDA	<i>Electric-Powered Trailer Refrigeration Unit Demonstration</i>	http://epa.gov/omswww/smartway/documents/adeq-nyserda-final-report.pdf
EPA Region 5	<i>Compendium of Regulatory Language of U.S. Idle Ordinances and Laws</i>	http://www.epa.gov/midwestcleandiesel/publications/mcdi-factsheets/idling_regulations_feb2009.pdf
North-Central Texas Council of Governments	<i>Local Government Guide to North Texas Idling Restrictions</i>	http://www.nctcog.org/IdlingGuide

TRUCK PARKING

Rest Areas in Virginia May Close, Continue to Limit Stays

As part of its budget tightening, the Commonwealth of Virginia is looking to save money by closing 25 of its 41 rest stops. This potential saving of \$12 million in maintenance costs would reduce the number of truck parking spaces at rest areas from 770 to 412, a reduction of 54 percent. While Virginia does limit stays at rest stops to only 2 hours, truckers who have managed to stay longer for their federally mandated rest periods are unhappy about the diminishing number of options to them. *Land Line Magazine* has had a series of articles detailing the possible hardships that may occur as a result of these budget cuts.

According to *Land Line*, the 2-hour limit was imposed more than 20 years ago, but an apparent unintended consequence was that truckers can be cited and fined for staying longer than that. Almost 10 years ago, the National Transportation Safety Board recommended that Virginia do away with the time limits entirely. Nothing has come of that recommendation. Word of mouth reports are that the Virginia State Police can look the other way, however.

The Virginia Department of Transportation (VDOT) recently held 11 public meetings to hear concerns from hundreds of people affected by the proposed closures, and *Land Line* noted that all the speakers were against closing the rest areas. Truckers pointed out that some of



the sites slated for closure are not near commercial truck stops that are open 24/7 or have an inadequate number of parking spaces. In response to being told to plan their trips better, some truckers tell of running into situations outside their control, such as being delayed at shippers, which cause problems with their federally mandated Hours of Service requirements. If they cannot get to a place where they can legally rest during their mandated rest periods that is not already full, they look for places alongside the road, which may not be the safest places to park, or at rest areas, where they can be roused from their sleep and told to move on.

The Commonwealth Transportation Board will take the information from the VDOT public meetings and decide whether to adopt the

proposal to close these rest areas. If that happens, the rest areas could be closed on July 1, 2009. More information is available at http://www.landlinemag.com/todays_news/Daily/2009/Feb09/020209/020209-02.htm, http://www.landlinemag.com/todays_news/Daily/2009/Feb09/021609/021809-03.htm, http://www.landlinemag.com/todays_news/Daily/2009/Feb09/022309/022509-02.htm, http://www.landlinemag.com/todays_news/Daily/2009/Mar09/030209/030409-02.htm, http://www.virginiadot.org/news/resources/Blueprint_meetings/2rest_areas_option2.pdf, and http://www.landlinemag.com/todays_news/Daily/2009/Mar09/030909/031309-04.htm.

Centralina COG Funds TSE Project with CabAire

After 4½ years of putting money together, the Centralina Council of Governments (COG) has broken ground for a CabAire truck stop electrification (TSE) system at the Derrick Travel Plaza in Salisbury, North Carolina. This truck stop is just off exit 71 of I-85 at Peecker Road in Rowan County.

In 2004, Centralina received a \$100,000 EPA SmartWay grant and later received \$400,000 from the U.S. Department of Transportation

Congestion Mitigation and Air Quality (CMAQ) Improvement Program to complete the project. Centralina awarded a contract to CabAire, which will install towers that can service 50 trucks. Each tower can provide services to truckers, such as heat, air-conditioning, block heater power, outlets for equipment in the cab, internet service, and cable TV access. Please see <http://www.lincolntribune.com/modules/news/article.php?storyid=10894> for more information.



OTHER NEWS OF INTEREST

"Wastebusters" Debunks Myths about Idling

The Connecticut Department of Environmental Protection has a sense of humor: it commissioned a spoof of the Discovery Channel's "Mythbusters" series to check into how much fuel is wasted and emissions generated by idling. The fake scientists in "Wastebusters" run experiments to find answers to these questions in a semi-serious manner. "Wastebusters" testing showed that an hour of idling wastes 1/5 of a gallon of gasoline, which amounts to millions of gallons of fuel each year if every passenger vehicle idled for 5 minutes. In terms of pollution, "Wastebusters" testing found that if Connecticut drivers

reduced idling by 5 minutes every day, they could reduce greenhouse gases and toxic emissions by more than 140,000 tons, the equivalent of taking 23,000 cars off the road.

The light-hearted 4-minute video is available at www.ct.gov/dep/idlingisfuelish. Also on this site are links to brochures and anti-idling signs for schools. More information on the production of the spot is at <http://www.ct.gov/dep/cwp/view.asp?A=3605&Q=432742>.

UPS Grant Will Help Georgia "No-Idling" Campaign Go National

A partnership of UPS, Earth Day Network and Georgia-based The Clean Air Campaign has launched a nationwide campaign against unnecessary idling at schools and to reduce emissions around them. The No-Idle Program, which is designed for schools from grades K to 12, is made possible by a combined \$350,000 grant from The UPS Foundation. The Clean Air Campaign's No-Idling initiative claims to have had an impact on more than 220,000 students, faculty, parents,

and members of the community. The campaign provides turnkey solutions through toolkits for administrators and teachers along with collateral and educational materials for school bus drivers and parents. More information about this effort is at <http://www.cleanaircampaign.org/For-the-Press/Press-Releases/UPS-Grant-Will-Help-Georgia-No-Idling-Campaign-Go-National> and <http://www.earthday.net/noidling>.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at

http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.



Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link,

try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers, owner-operators, and locomotive engineers are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W/HATS_NEW/862/0/A)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)

- **Kim Hotstart** (<http://www.kimhotstart.com/66/>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.



Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in January 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, and Shorepower Technologies installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.



Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies. The table below was created by the Federal Highway Administration this

past summer. As time permits, URL's will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table.]

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)			
State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Alabama		X	
Alaska	X		
Arizona	X		
Arkansas	X		
California		X	
Colorado		X	
Connecticut		X	
Delaware		X	
District of Columbia		X	
Florida			X
Georgia		X	
Hawaii		X	
Idaho	X		
Illinois	X		
Indiana			X
Iowa	X		

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Kansas	X		
Kentucky		X	
Louisiana	X		
Maine*	X		
Maryland	X		
Massachusetts		X	
Michigan	X		
Minnesota	X		
Mississippi	X		
Missouri	X		
Montana	X		
Nebraska	X		
Nevada	X		
New Hampshire	X		
New Jersey	X		
New Mexico	X		
New York	X		
North Carolina		X	
North Dakota	X		



State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Ohio	X		
Oklahoma	X		
Oregon	X		
Pennsylvania	X		
Rhode Island		X	
South Carolina	X		
South Dakota	X		
Tennessee		X	
Texas	X		
Utah	X		

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Vermont	X		
Virginia**	X		
Washington	X		
West Virginia		X	
Wisconsin	X		
Wyoming		X	

* Effective September 17, 2009

**Effective July 1, 2009

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product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof.



NATIONAL IDLING REDUCTION NETWORK NEWS

January 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/solicitations_open.php
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbllp.htm
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
New York State Research and Development Authority (NYSERDA)	PON 1158: School Bus Idling Reduction Demonstration Program for Westchester, Putnam, and Dutchess Counties	~\$325,000	Rolling deadline between November 10, 2008, and March 31, 2009	http://www.nyserda.org/funding/1158pon.asp



Organization	Project	Funding	Deadline	Website
Ohio Energy Office	Diesel Emissions Reduction Grant Program	\$11.2 million	March 2, 2009	http://www.odod.state.oh.us/diesel-emissions/
U.S. Department of Energy (DOE)	Clean Cities FY 09 Petroleum Reduction Technologies for Transportation Sector	\$1.8 million	March 31, 2009 (due date changed from February 27, 2009)	https://e-center.doe.gov/iips/faopor.nsf/UNID/C13B5C26EC575CDC85257527005EBB6E?OpenDocument
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on March 4 and August 5, 2009, and January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf

AWARDS AND RECOGNITION

EPA Makes FY 2008 State DERA Awards, Plans for FY 2009 Solicitations

Last fall the U.S. Environmental Protection Agency (EPA) completed its awards of funding under the Diesel Emissions Reduction Act (DERA) of 2005. The agency had allotted \$14.8 million of the almost \$50 million from DERA for the State Clean Diesel Program. The awards listed below are for those States whose proposals specifically included idling reduction. All 50 States received funding according to a formula, and 35 States matched resources toward the program.

The amount of funding for FY 2009 is uncertain. It could range from \$50 million to as much as \$300 million, depending on budget priorities. EPA plans to announce the State solicitation in March 2009 in the *Federal Register*. Press releases on the awards listed below are available at <http://epa.gov/otaq/diesel/newsroom.htm>. More



information about the FY 2009 program is available at <http://epa.gov/otaq/diesel/prgstate.htm>.

In addition, DERA funding will be available for the National Clean Diesel Funding Assistance Program through the seven Regional Clean Diesel Collaboratives. A solicitation for proposals for FY 2009 for that program is expected to come out in February 2009 from each Collaborative:

- [Northeast Diesel Collaborative \(EPA Regions 1 and 2\)](#)
- [Mid-Atlantic Diesel Collaborative \(EPA Region 3\)](#)

- [Southeast Diesel Collaborative \(EPA Region 4\)](#)
- [Midwest Clean Diesel Initiative \(EPA Region 5\)](#)
- Blue Skyways Collaborative <http://www.blueskyways.org> (EPA Regions 6 and 7 plus Minnesota)
- [Rocky Mountain Clean Diesel Collaborative \(EPA Region 8\)](#)
- [West Coast Collaborative \(EPA Regions 9 and 10, with Canada and Mexico\)](#).

Source: <http://epa.gov/otaq/diesel/prgnational.htm>

FY 2008 DERA State Awards that Include Idling Reduction		
State Agency	Purpose of EPA Grant	EPA Funding
Arkansas Department of Environmental Quality	Fund projects that reduce diesel emissions by using retrofit equipment, idle-reduction technologies, and other techniques.	\$295,000
Indiana Department of Environmental Management	Provide funding for a variety of aftermarket technologies including, but not limited to, diesel oxidation catalysts, diesel particulate filters, closed crankcase filtration systems, idle-reduction technologies for on-road and non-road diesel engines, as well as technologies to improve the fuel efficiency of diesel locomotives.	\$196,880
Kansas Department of Health and Environment	Develop the Kansas Clean Diesel Program grant competition for public and private fleet owners and operators across the state. Eligible projects will include EPA or California Air Resources Board (CARB) verified retrofits, certified engine replacements or repowers, and verified idle-reduction technology.	\$295,320
Maine Department of Environmental Protection (ME DEP)	Fund 50 percent of the purchase of 2 compressed natural gas school buses to replace conventional diesel versions and provide direct-fired heaters for 25 school buses statewide. In addition, ME DEP will sub-grant \$100,000 to the State Public Utilities Commission to supplement an existing low-interest loan program for small businesses to purchase idling reduction technologies to reduce diesel emissions. The grant will also pay for the purchase and installation of an auxiliary power unit (APU) on a locomotive.	\$492,220
Missouri Department of Natural Resources	Reduce the emissions coming from Missouri Department of Transportation fleets in the St. Louis, Kansas City, and Springfield Districts through the use of emission control devices, idle-reduction equipment, engine upgrades, and early vehicle replacements.	\$726,227



State Agency	Purpose of EPA Grant	EPA Funding
Nebraska Department of Environmental Quality	Retrofit diesel-powered vehicles in the Omaha and Lincoln areas, including school buses, and raise awareness of the need to retrofit more vehicles, reduce diesel engine idling, and encourage use of ultra-low sulfur diesel fuel.	\$196,880
New Hampshire Department of Environmental Services	Retrofit transit buses and Department of Transportation vehicles with a combination of diesel oxidation catalysts, diesel particulate filters, and idle-reduction technology, significantly reducing diesel emissions from heavy-duty diesel engines operating across the State.	\$492,200
New York State Department of Environmental Services (NYSDES) with NYSERDA as a partner	Help school districts reduce their diesel emissions by installing diesel oxidation catalysts, closed crankcase filtration systems, and diesel particulate filters; by applying idle-reduction measures; and by helping to purchase hybrid diesel electric marine engines for the new NYSDDES patrol boat used to safeguard the Hudson River.	>\$1 million
Wisconsin Department of Natural Resources	Offer grants to on-road equipment owners for idling-reduction devices, as well as retrofit equipment such as diesel oxidation catalysts and diesel particulate filters. Non-road equipment owners can apply for grants for idle-reduction devices, diesel oxidation catalysts, and engine repowers.	\$196,880
Vermont Department of Environmental Conservation	Continue efforts to equip publicly owned school buses with advanced pollution control technologies, including technologies that reduce unnecessary idling. In addition, this grant will pilot the retrofit of transit buses and/or ambulances with idle-reduction technologies and assist with outreach and education efforts to stakeholders statewide.	\$196,880

EPA SmartWay Grant Shows Benefits of Idling Reduction

In 2005 EPA made a \$500,000 award to develop a mobile idling reduction technology (MIRT) to the North Carolina Solar Center (NCSC) at North Carolina State University (NCSU) in Raleigh. In partnership with Volvo Trucks North America, based in

Greensboro, NSCU used the SmartWay grant to demonstrate the effectiveness of MIRT's in 20 over-the-road trucks.



Faculty and students from the NCSU College of Engineering's Department of Civil, Construction and Environmental Engineering remotely monitored the performance of the APU's in actual use. The results of their research on the 20 trucks in field operation during the 16-month data collection period are in a case study, video, and final report posted at <http://www.engr.ncsu.edu/ncsc/transportation/MIRTproject.htm>.

Results of the study showed that, at mild temperatures, using the APU 100 percent of the time instead of idling led to an 80-90

percent reduction in NO_x emissions, a 36-47 reduction in CO₂ and fuel use, and a 10-25 percent reduction in PM. Data from the field seemed to show that the single drivers used the APU an average of 59 percent of the time while team drivers used it only 25 percent of the time. The study suggests that fleet owners and operators do a careful evaluation of the need for an APU to reduce idling and provide incentives and training to increase drivers' use of these devices. More information is at http://www.engr.ncsu.edu/ncsc/transportation/docs/Press/2008_10-28_MIRT_Volvo_final.pdf. Source: Anne Tazewell, NCSC

SmartWay Announces 2008 Excellence Awards

Almost one third of the 29 winners of the EPA-sponsored 2008 SmartWay Transport Partnership Excellence Awards employed idling reduction technologies along with driver education aimed at reduction

idling time. They were all lauded for finding ways to save fuel and reduce pollution. Below is the list of companies whose use of idling reduction made them award winners.

- American Central Transport, Inc., added bunk heaters, APU's, and low-friction engine lubricants to its mix of strategies. The company also uses truck stop electrification when available.
- Challenger Motor Freight, Inc., invested in idling reduction technologies, such as auxiliary bunk heaters, APU's, and most recently, an auxiliary cooling system that runs off the tractor's battery system. This company has reduced its idling time by 6 percent.
- Con-way Freight, which specializes in next-day and second-day less-than-truckload freight transportation services, installed automatic engine shut-off controls to minimize idle time while parked.
- Covenant Transportation, Inc., provides truckload for-hire and dedicated contract transportation. To reduce idling, Covenant installed 476 APU's, makes truck stop electrification available

- to all drivers for a reduced rate, and charges drivers an hourly fee for idling in excess of a set maximum. These strategies caused Covenant's idling rate to drop from 41.38 percent down to 20.97 percent in just 1 year.
- Dillon Transport is a carrier in the asphalt transportation industry and reduced idling by APU's and automatic idle shutoff devices on its tractors.
- Gordon Trucking, Inc., is a truckload carrier, which bought 450 APU's and saved an estimated 250,000 gallons of fuel.
- Stan Koch and Sons Trucking, Inc., a warehousing and logistics services provider, bought trucks equipped with APU's and has retrofitted 80 percent of its older trucks with them. The company employs a bonus program for drivers who reduce idling, and it has reduced idling time from 60 percent in 2005 to 15 percent in 2007.



- National Freight, Inc., a dedicated freight carrier and a second-time SmartWay Excellence Award winner, purchased APU's for all new sleeper tractors. For trucks without APU's, the company pays for truck stop electrification services. It also limits idling to 15 minutes for all tractors without APU's.
- Roehl Transport, a three-time SmartWay Excellence Award winner, has a driver training program that teaches maximum idling levels that drivers are asked not to exceed, conducts weekly idle-time evaluations, and sets miles per gallon targets

for its drivers. This training led to a 41 percent decrease in idling in 2007.

More information is available at

<http://yosemite.epa.gov/opa/admpress.nsf/d0cf6618525a9efb85257359003fb69d/f4b5bacdbbe9b5cd852574db005e1216!OpenDocument>
and
<http://www.epa.gov/smartway/transport/documents/awards/smartway-award-summaries.pdf>.

REGULATORY NEWS

Déjà Vu All Over Again in Massachusetts

In 2005, videotaped evidence showed that Material Installations of North Andover, Massachusetts, had allowed its delivery fleet to idle in violation of the Commonwealth's 5-minute rule against idling. EPA Region 1 fined the company \$109,000 fine at that time but settled for a \$45,000 payment and an agreement that the company would outfit its vehicles with emission-reducing equipment. In late 2008, however, further evidence of unnecessary idling was videotaped again by a local resident at the company's loading dock and parking lot. This time EPA has fined the company \$34,692.

The company, which installs modular furniture, is located in an office park that is separated from a residential neighborhood by a row of

trees and a fence. Many of the taped violations showed the trucks idling for only 6-10 minutes, but in one case, one trucks idled for more than 1 hour.

EPA is involved with enforcing the Massachusetts anti-idling law because the law is part of the federally required State Implementation Plan. More information is available at
<http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/650c9e8f8e1faf64852574da005fba58!OpenDocument>
and
http://www.eagletribune.com/punews/local_story_280222729.html/resources_printstory.

California Enforces Diesel Anti-Idling Rule

Almost a year after a law limiting idling of diesel engines to no more than 5 minutes, CARB has begun to enforce the law. CARB staff and

local air quality officials throughout California are monitoring sleeper berths and commercial on- and off-road diesel vehicles where they



operate. First-time violations, idling for greater than 5 minutes, will receive a minimum civil penalty of \$300. Subsequent penalties can be from \$1,000 to \$10,000. Owners, renters or lessees will be responsible for the penalty.

Regulations limiting idling of on-road commercial diesel vehicles to 5 minutes have been in effect for several years now and for sleeper berth trucks since January of 2008. The regulations addressing the idling of off-road diesel vehicles became effective in June 2008.

Industries were given a grace period allowing them to inform themselves and their staff of the new requirements.

In a case where an off-road vehicle is observed idling for more than 5 minutes, enforcement officials will contact the operator and site supervisor to determine the reason. If the reason is not exempted, as some clauses of the regulation allow, and the instance is a first time violation, a \$300 per day citation will be issued to the owner, renter or lessee of the vehicle. For more information, please go to <http://www.arb.ca.gov/newsrel/nr100908.htm>.

Gatineau Beefs up Anti-Idling Bylaw

Gatineau, P.Q, Canada, across the Ottawa River from Ottawa, has beefed up its anti-idling law. The old bylaw allowed for fines for Can\$30 if a vehicle were idling for more than 5 minutes; the new bylaw increases the fine to Can\$50 and reduces the idling time to 3 minutes. The city decided to change its regulation because the Province of Quebec has incentives to help cities reduce idling. As a result of the changes, Gatineau has received Can\$117,000 for an awareness campaign and signs.



There are exemptions to the bylaw for such vehicles as emergency vehicles, taxis carrying passengers

between November 1 and March 31, hybrid or electric cars, vehicles stopped in traffic or being maintained, armored cars, heavy vehicles using an APU or transport refrigeration unit (TRU), and cars needing to be cleared of ice or freezing rain.

In Ottawa, idling is limited to 3 minutes and can carry a Can\$100 fine. For more information, please see http://www.ville.gatineau.qc.ca/page.asp?p=environnement/vehicules_marche ralenti and <http://www.canada.com/ottawacitizen/news/city/story.html?id=14f60cf3-a629-4b7d-9779-3fa2e72dee67>.



Montgomery County, Maryland, to Ban Commercial Vehicles from Parking in Residential Areas

Truckers looking to park their cabs on residential streets outside their homes in the most populous county in Maryland, Montgomery County, could be out of luck starting July 1, 2009. The Montgomery Council County, the governing body for the County, will prohibit long-term parking for big rigs and recreational vehicles on residential streets, and owners of the vehicles could be subject to fines of \$75 if the vehicles are at their homes for more than 18 hours. Exemptions to

the time limit include loading and/unloading people and/or goods or repairing the vehicle. These vehicles could only be parked on 13 miles of strictly industrial areas spread around the county. More information can be found at http://www.montgomerycountymd.gov/content/council/pdf/bill/2009/20080209_27-08.pdf and <http://www.washingtonpost.com/wp-dyn/content/article/2009/01/27/AR2009012702636.html>.

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
Clean Heavy-Duty Vehicle Conference and Expo	Long Beach, California	March 16-18, 2009	http://www.chdv.org
Faster Freight, Cleaner Air	Long Beach, California	March 23-25, 2009	http://www.fasterfreightcleanerair.com/
Alternative Fuels & Vehicles Conference + Expo	Orlando, Florida	April 19-22, 2009	http://www.afv2009.com

MANUFACTURERS' NEWS

IdleBuster Ceases Operation

A telephone call to IdleBuster's phone number verifies that IdleBuster, a manufacturer of APU's, is no longer in business. The company's website, <http://www.idlebuster.com>, states that the current state of the

economy has led to its shutdown. The site mentions that the company hopes to resume business when the economy improves.



OTHER NEWS OF INTEREST

SmartWay Posts List of APU's Exempt from FET

In the Fall 2008 issue of this newsletter, there was mention of the Energy Improvement and Extension Act of 2008 (P.L. 110-343) in the Emergency Economic Stimulus Act of 2008 allowing an exemption of the 12-percent Federal excise tax (FET) for APU's and advanced insulation having an R-value of more than 35. EPA was tasked with

coordinating a list of APU's with the Departments of Transportation and Energy, and that list is now available on the SmartWay Transport Partnership website at <http://www.epa.gov/smartway/transport/what-smartway/idling-reduction-fet.htm>.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/WHATS_NEW/862/0/A)



- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
 - Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
 - Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
 - Kenworth (<http://www.kenworth.com>)
 - Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
 - Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
 - Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
 - Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
 - Thermo King (<http://www.thermoking.com/tripac/>)
 - Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)
- Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in January 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.



Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation, the DOE Clean Cities program has a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. CabAire, IdleAire, and Shorepower Technologies installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies. The table below was created by the Federal Highway Administration this

past summer. As time permits, URL's will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table.

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)			
State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Alabama		X	X
Alaska	X		
Arizona	X		

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Arkansas	X		
California		X	
Colorado		X	X
Connecticut		X	
Delaware		X	



State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
District of Columbia		X	
Florida		X	
Georgia		X	
Hawaii		X	
Idaho	X		
Illinois	X		
Indiana	X		
Iowa	X		
Kansas	X		
Kentucky		X	
Louisiana	X		
Maine	X		
Maryland	X		
Vermont	X		
Virginia			
Washington	X		
West Virginia		X	X
Wisconsin	X		
Wyoming		X	

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Massachusetts		X	
Michigan	X		
Minnesota	X		
Mississippi	X		
Missouri	X		
Montana	X		
Nebraska	X		
Nevada	X		
New Hampshire	X		
New Jersey	X		
New Mexico	X		
New York	X		
North Carolina		X	
North Dakota	X		
Ohio	X		
Oklahoma	X		
Oregon	X		
Pennsylvania	X		
Rhode Island		X	
South Carolina	X		
South Dakota	X		
Tennessee		X	
Texas	X		
Utah	X		



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NATIONAL IDLING REDUCTION NETWORK NEWS

December 2008

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/solicitations_open.php
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.efficiencymaine.com/business_programs_sbllp.htm
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
New York State Research and Development Authority (NYSERDA)	PON 1158: School Bus Idling Reduction Demonstration Program for Westchester, Putnam, and Dutchess Counties	~\$325,000	Rolling deadline between November 10, 2008, and March 31, 2009	http://www.nyserda.org/funding/1158pon.asp



Organization	Project	Funding	Deadline	Website
North Central Texas Council of Governments	Diesel Idling Reduction Program: 2008 Call for Projects	≥\$1.2 million	January 16, 2008	http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp
CARB	Solicitation of Research Concepts for 2009-2010 Annual Research Plan	~\$6.6 million	January 20, 2009	http://www.arb.ca.gov/research/apr/plan/concepts/concepts09-10.htm
Texas Emissions Reduction Plan	Emissions Reduction Incentive Grant Program	~\$60 million	February 20, 2009	http://www.tceq.state.tx.us/implementation/air/terp/erig.html
U.S. Department of Energy	Clean Cities FY 09 Petroleum Reduction Technologies for Transportation Sector	\$1.8 million	February 27, 2009	https://e-center.doe.gov/iips/faopor.nsf/UNID/C13B5C26EC575CDC85257527005EBB6E?OpenDocument
Ohio Energy Office	Diesel Emissions Reduction Grant Program	\$11.2 million	March 2, 2009	http://www.odod.state.oh.us/diesel-emissions/

REGULATORY NEWS

Another Bay State Waste Hauler Cited for Idling

Waste Management of Massachusetts, Inc., has been fined \$27,200 for excessive idling at its Stoughton, Taunton, and West Boylston, Massachusetts depots. This is the third time in 2008 that the Region 1 of the U.S. Environmental Protection Agency (EPA) has fined waste haulers in Massachusetts for violating the Commonwealth's 5-minute idling rule. Fines collected from Capitol Waste Services, Allied Waste Services, and Waste Management of Massachusetts have totaled \$329,500 in penalties for idling violations in this year alone.

EPA inspected numerous locations where trucks park in an effort to reduce habitual and systematic idling of fleets, especially in heavily

populated areas. Specifically, EPA inspected Waste Management trucks in Attleboro, Sandwich, Stoughton, Taunton, West Boylston, and Woburn.

Although idling to perform required engine-on vehicle safety checks is generally permitted, excessive idling often occurs out of habit or due to outdated assumptions about engine function. Taking steps to improve arrival and departure logistics as well as to change driver behavior will not only help companies protect the health of their drivers and the surrounding community, but also will save fuel and money, according to EPA.



As part of the settlements, Waste Management and Allied Waste have agreed to make operational changes to minimize future idling. Waste Management has retrained its drivers about the State idling rule and will inspect all its Massachusetts facilities daily. Allied will train drivers, post signage, inspect yards twice daily, and insure that automatic engine shutoff devices are working properly in Brockton, Fall River, Quincy, and Revere – the four Allied locations cited for violations. Both companies will submit quarterly compliance reports to EPA.

Five New England States (Connecticut, Massachusetts, Maine, New Hampshire, and Rhode Island) have idling laws, and EPA has the authority to help enforce limits in Connecticut, Massachusetts, and Rhode Island. EPA's enforcement efforts are complemented by assistance to help vehicle operators find alternatives to idling. More information about Region 1's anti-idling activity can be found at <http://www.epa.gov/region1/eco/diesel/idling.html>. Source: <http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/6f2f7efc68df442f852574f100659f23!OpenDocument>

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
Transportation Research Board	Washington, D.C.	January 11-15, 2009	http://www.trb.org/meeting/2009/default.asp
Society of Automotive Engineers Government/Industry Meeting (concurrent with the Washington, D.C., Auto Show)	Washington, D.C.	February 3-6, 2009	http://www.sae.org/events/gim
Clean Heavy-Duty Vehicle Conference and Expo	Long Beach, California	March 16-18, 2009	http://www.chdv.org
Faster Freight, Cleaner Air	Long Beach, California	March 23-25, 2009	http://www.fasterfreightcleanerair.com/
Alternative Fuels & Vehicles Conference + Expo	Orlando, Florida	April 19-22, 2009	http://www.afv2009.com



ELECTRIFIED PARKING SPACES

EnviroDock Partners with NYSERDA to Commercialize New Stationary Idling Reduction Prototypes

EnviroDock, Inc., has received a \$252,000 cost-shared contract from the New York State Energy Research and Development Authority (NYSERDA) to move its new stationary idling reduction system closer to the marketplace. The contract will enable EnviroDock to gather data at the AMBEST Super Stop in Fultonville, New York, that will enable the company to explore the successful market adoption, penetration, and commercialization of its prototypes. The EnviroDock system is a modular heating, ventilation, and air-conditioning (HVAC) system that delivers heat and air-conditioning to the sleeper cab for long-haul truckers who overnight on the road. Additionally, electric power is provided for onboard amenities, such as microwaves and coffee pots, as well as for engine block heaters in the winter.

The contract with NYSEDA allows for installation of five EnviroDock units at the truck stop, which is located near Exit 28 of the New York State Thruway. The company will evaluate and analyze the use of these units with the goal of producing information that will enable further enhancement and refinement of the concept. EnviroDock will also explore other applications where idling of vehicles is an issue. Other partners on this team are Polsinello Fuels, New West Technologies, TDR Designs, Environmental Protection Products, United CoolAir Corporation, and AFC Industries. More information is available at <http://www.envirodock.com/downloads/EDPR-NYSERDA.pdf> and <http://www.timesunion.com/AspStories/story.asp?storyID=729564>.

OTHER NEWS OF INTEREST

Inventory of Truck Stops Underway in NYC Region

The New York Metropolitan Transportation Council (NYMTC) is conducting a study that will provide the tri-state region (Connecticut, New Jersey, and New York) with a comprehensive evaluation of existing truck stop services (formal and informal) and a determination of the need to provide either enhanced services at existing stops or the identification of potential regional improvements. The *Multi-State Truck Rest Stop Inventory and Assessment Study* is a way for regional planning agencies to deal with an expected 47-percent

increase in freight traffic in the region. Please visit NYMTC's website (<http://www.nymtc.org>) to learn more or the Freight Planning page directly at http://www.nymtc.org/project/freight_planning/freight_index.html. Howard Mann is running this study for NYMTC, and he can be reached at (212) 383-2530 or hmann@dot.state.ny.us. Source: Joe Tario, NYSEDA



Maine Offers Low-Interest Loans for APU's

Efficiency Maine, which is Maine Energy Office housed in the Public Utilities Commission, has a small-business fund that can be used for energy-saving technologies. The interest rate is 3 percent and can be for 3-5 years. Truckers seeking to purchase auxiliary power units (APU's) or bunk heaters can apply for funding. There is no deadline for applying, but the total amount of funding available is a discrete amount. Businesses have to be Maine-owned and located in Maine,

have 50 or fewer employees, or gross less than \$5 million in annual gross revenue. Applicants must pass a credit check and have security (other than the APU) for the loan. More information can be found at

http://www efficiencymaine.com/business_programs_loans.htm.

Shirley Bartlett is the contact, and she can be reached at (207) 287-3318 or Shirley.bartlett@maine.gov. Source: Jeff Kim, Shorepower

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)



- Fraser Basin Council
(<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems
(<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
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Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

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In addition, Erin Vachon, Environmental Coordinator for the Star Program at the Louisville Metro Air Pollution Control District (APDC), is still gathering information for a comprehensive review of all idling

restrictions across the country as of April 11, 2008. The Idling Regulation Review can be found at <http://www.louisvilleky.gov/APCD/Stakeholder/IRWGDocuments.htm> in Excel and PDF formats. Louisville APCD will continue to update the review until the conclusion of their stakeholder process in September 2008. All updates will be posed at the webpage above. Please direct your questions and comments to Erin at erin.vachon@louisvilleky.gov or (502) 574-7262. *Source:* Kevin Downing, Oregon Department of Environmental Quality

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction

projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0.



Let us know if the information needs to be changed or updated. The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or

apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

Until just recently, the DOE Clean Cities program has had a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. Both IdleAire and Shorepower Technologies installations are listed in this locator. The site is being redesigned and is currently unavailable. It is expected to be back online soon.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

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past summer. As time permits, URL's will be provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table.



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State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Alabama		X	X
Alaska	X		
Arizona	X		
Arkansas	X		
California		X	
Colorado		X	X
Connecticut		X	
Delaware		X	
District of Columbia		X	
Florida		X	
Georgia		X	
Hawaii		X	
Idaho	X		
Illinois	X		
Indiana	X		
Iowa	X		
Kansas	X		
Kentucky		X	
Louisiana	X		
Maine	X		
Maryland	X		

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Massachusetts		X	
Michigan	X		
Minnesota	X		
Mississippi	X		
Missouri	X		
Montana	X		
Nebraska	X		
Nevada	X		
New Hampshire	X		
New Jersey	X		
New Mexico	X		
New York	X		
North Carolina		X	
North Dakota	X		
Ohio	X		
Oklahoma	X		
Oregon	X		
Pennsylvania	X		
Rhode Island		X	
South Carolina	X		
South Dakota	X		
Tennessee		X	
Texas	X		
Utah	X		



State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Vermont	X		
Virginia			
Washington	X		
West Virginia		X	X
Wisconsin	X		
Wyoming		X	

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NATIONAL IDLING REDUCTION NETWORK NEWS

Early Fall 2008

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
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Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
New York State Research and Development Authority (NYSERDA)	PON 1158: School Bus Idling Reduction Demonstration Program for Westchester, Putnam, and Dutchess Counties	~\$325,000	Rolling deadline between November 10, 2008, and March 31, 2009	http://www.nyserda.org/funding/1158pon.asp
U.S. Environmental Protection Agency (EPA)	Engineering Excellence through Hybrid Technology	\$1.35 million	December 15, 2008	http://www.epa.gov/air/grants_funding.html and refer to Solicitation #EPA-OAR-OTAQ-08-09



Organization	Project	Funding	Deadline	Website
Wisconsin Department of Commerce	Wisconsin Diesel Truck Idling Reduction Grant Program	\$2 million	December 1, 2008	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
North Carolina Department of Environment and Natural Resources	2009 Mobile Source Emissions Reduction Grants	\$1.4 million	December 31, 2008	http://www.daq.state.nc.us/motor/ms_grants/Application2009.pdf
U.S. Department of Energy (DOE)	Efficient and Clean Energy Loan Guarantees	\$10 billion (loan guarantees)	December 31, 2008	http://www.lgprogram.energy.gov/keydocs.html
North Central Texas Council of Governments	Diesel Idling Reduction Program	≥\$1.2 million	January 16, 2009	http://www.nctcog.org/dirp

REGULATORY NEWS

More States Enact Anti-Idling Regulations

This past legislative season brought forth new idling regulations in four States while Georgia and North Carolina are working to join this club. The American Transportation Research Institute (<http://www.atri-online.org>) has the most up-to-date information in the status of what is happening in this area and was a good source for the information below. One can readily see that each State has a different view of what is important to its citizens in terms of vehicle weight, temperature relief and other exemptions, and fines.

Florida. This law goes into effect on December 15, 2008, and expires at midnight on September 30, 2013. Idling of diesel-powered vehicles weighing more than 8,500 pounds is limited to 5 minutes. There is no exemption for temperature, but idling while the driver is sleeping or

resting in a sleeper berth is allowed. Text of the law can be found at <http://www.dep.state.fl.us/legal/Rules/air/62-285/62-285.doc>.

Maine. This law limits idling to 5 minutes in a 60-minute period, except for the exemptions, which include temperature and sleeper berths. In addition, the law pertains to owners or operators of facilities where commercial vehicles unload or load. A vehicle can idle for up to 15 minutes when the temperature is 32°F or less or without limit when the temperature is below 0°F. Fines range from \$150 to \$500 depending on the frequency of violation and how the violator is. More information is at



<http://www.mainelegislature.org/legis/Statutes/38/title38sec585-L.html>.

Pennsylvania. Diesel vehicles weighing more than 10,000 pounds will be limited to idling for not more than 5 minutes per hour in the entire Commonwealth of Pennsylvania starting February 9, 2009. SB 295 now allows the entire State to be subject to anti-idling regulations rather than just Allegheny County (Pittsburgh area) and the City of Philadelphia. Fines range from between \$150 to \$300. Several exemptions, following the SmartWay Transport Partnership Model State Idling Law, permit idling when the temperature is lower than 40°F and more than 75°F; this exemption expires on May 1, 2010, by which time more idling reduction equipment is expected to be available.

In addition, idling restrictions will not apply to trucks that exhibit a label “issued by the California Air Resources Board” that shows the vehicle’s engine meets the optional NOx idling emission standard. A

new twist in this law is that idling violations can be placed on vehicle owners as well as operators, and owners or operators of locations where vehicles load and unload will also face fines for violations.

More information is available at

http://www.landlinemag.com/todays_news/Daily/2008/Oct08/101308/101708-03.htm. Source: Arleen Shulman, Pennsylvania Department of Environmental Protection

South Carolina. Idling is limited to 10 minutes in every 60-minute period for commercial vehicles weighing more than 10,000 pounds. Exemptions include for temperature (less than 40° and greater than 80°F), for rest periods for sleeping, and for sleeper berths when the trucker is using heating or air-conditioning. A vehicle can idle when it is at a commercial truck stop or rest area as long as it is more than 500 feet from a residential area, school, hospital, or the like. Operating an auxiliary power unit or generator set is not considered idling. Fines are \$75 after July 1, 2009. Complete text of the law can be found at http://www.scstatehouse.gov/sess117_2007-2008/bills/3853.htm.

Economic Stimulus Bill Offers Bonus for Truckers

Section 206 of the Emergency Economic Stabilization Act of 2008 (Public Law 110-343), Exclusion from Heavy Truck Tax for Idling Reduction Units and Advanced Insulation, allows for auxiliary power units and advanced insulation having an R-value equal to or more than R-35 per inch to be exempt from paying 12-percent Federal excise tax. The legislation also requires that there be

coordination among the Environmental Protection Agency, which has the lead for determining which products should be exempt, and the Departments of Energy and Transportation. The EPA SmartWay Transport Partnership will be publishing a list of exempt equipment in the near future on its website. When that list is available, it will be a regular feature of this newsletter.



UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
North Central Texas Council of Governments Diesel Idling Reduction Program Grant Workshop	Arlington, Texas	December 2, 2008	http://www.nctcog.org/dirp
Transportation Research Board	Washington, D.C.	January 11-15, 2009	http://www.trb.org/meeting/2009/default.asp
Society of Automotive Engineers Government/Industry Meeting (concurrent with the Washington Auto Show)	Washington, D.C.	February 3-6, 2009	http://www.sae.org/events/gim
Clean Heavy-Duty Vehicle Conference and Expo	Long Beach, California	March 16-18, 2009	http://www.calstart.org
Alternative Fuels & Vehicles Conference + Expo	Orlando, Florida	April 19-22, 2009	http://www.afv2009.com

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.



Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in July 2008, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

In addition, Erin Vachon, Environmental Coordinator for the Star Program at the Louisville Metro Air Pollution Control District (APCD), is still gathering information for a comprehensive review of all idling restrictions across the country as of April 11, 2008. The Idling Regulation Review can be found at <http://www.louisvilleky.gov/APCD/Stakeholder/IRWGDocuments.htm> in Excel and PDF formats. Louisville APCD will continue to update the review until the conclusion of their stakeholder process in September



2008. All updates will be posed at the webpage above. Please direct your questions and comments to Erin at erin.vachon@louisvilleky.gov

or (502) 574-7262. Source: Kevin Downing, Oregon Department of Environmental Quality

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

Until just recently, the DOE Clean Cities program has had a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. Both IdleAire and Shorepower Technologies installations are listed in this locator. The site is being redesigned and is currently unavailable. It is expected to be back online soon.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty

provision related to withholding of highway trust fund monies. The table below was created by the Federal Highway Administration this past summer. As time permits, URL's will be provided so that interested parties, such as trucking companies, can work with their



State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for

this table.

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)			
State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Alabama		X	X
Alaska	X		
Arizona	X		
Arkansas	X		
California		X	
Colorado		X	X
Connecticut		X	
Delaware		X	
District of Columbia		X	
Florida		X	
Georgia		X	
Hawaii		X	
Idaho	X		
Illinois	X		
Indiana	X		
Iowa	X		
Kansas	X		
Kentucky		X	
Louisiana	X		
Maine		X	
Maryland	X		

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Massachusetts		X	
Michigan	X		
Minnesota	X		
Mississippi	X		
Missouri	X		
Montana	X		
Nebraska	X		
Nevada	X		
New Hampshire	X		
New Jersey	X		
New Mexico	X		
New York	X		
North Carolina		X	
North Dakota	X		
Ohio	X		
Oklahoma	X		
Oregon	X		
Pennsylvania	X		
Rhode Island		X	
South Carolina	X		
South Dakota	X		
Tennessee		X	
Texas	X		
Utah	X		



State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Vermont	X		
Virginia			
Washington	X		
West Virginia		X	X
Wisconsin	X		
Wyoming		X	

Editor

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NATIONAL IDLING REDUCTION NETWORK NEWS

Summer 2008

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
U.S. Environmental Protection Agency (EPA)	Emerging Technologies Request for Proposals	~\$3 million	October 6, 2008	http://www.epa.gov/cleandiesel/
New York State Energy Research and Development Authority (NYSERDA)	Clean Air School Bus Program	\$3 million	October 14, 2008	http://www.nyserda.org/funding/992pon.asp and ask for PON 992
Society of Automotive Engineers (SAE)	SAE Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2008	http://www.sae.org/news/awards/list/e2t/



Organization	Project	Funding	Deadline	Website
Baltimore (Maryland) Regional Transportation Board (BRTB)	FY 2009 BRTB Competitive Selection Process for Congestion Mitigation and Air Quality Improvement Program Funding	\$1 million	November 4, 2008	http://www.baltometro.org/content/view/922/596
Wisconsin Department of Commerce	Wisconsin Diesel Truck Idling Reduction Grant Program	\$2 million	December 1, 2008	http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html
U.S. Department of Energy (DOE)	Efficient and Clean Energy Loan Guarantees	\$10 billion (loan guarantees)	December 31, 2008	http://www.lgprogram.energy.gov/keydocs.html

REGULATORY NEWS

More Jurisdictions Enact Anti-Idling Laws

Boise, Idaho. The City of Boise is expected to adopt a new regulation to discourage drivers of city vehicles from idling. The city pays \$1.3 million annually for its fuel bills and is looking for ways to reduce that cost. The anti-idling regulation is part of a larger plan to make the city fleet more efficient and reduce pollution. There is an exemption for law enforcement vehicles. Please see http://www.cityofboise.org/Departments/Public_Works/PDF/CPPRecommendationsFinalReport2008.pdf and <http://www.boiseweekly.com/gyrobase/Content?oid=oid%3A316360> for more information.

Dallas, Texas. A regulation has been in place since April 2008, but it does allow truckers to idle for more than the 5-minute living if they are complying with the federally mandated Hours of Service (§114.517 of Title 30 of the Texas Administrative code). This exemption expires on

September 1, 2009. The complete regulation can be found at [http://info.sos.state.tx.us/pls/pub/readtac\\$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=114&sch=J&div=2&rl=Y](http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=114&sch=J&div=2&rl=Y) while other information is at http://www.landline.mag.com/todays_news/Daily/2008/Aug08/081808/082208-10.htm.

Florida. Effective December 15, 2008, commercial trucks in Florida will be subject to Rule 62-285.420 of the Florida Administrative Code and will not be able to idle for more than 5 consecutive minutes. The Florida Environment Regulation Commission does allow for a few exemptions:

- While the driver is sleeping or resting in a sleeper berth (this provision expires at midnight on September 30, 2013)
- While stopped for traffic conditions over which the driver has no control



- Necessary to verify that the vehicle is in safe operating conditions as required by law
- Necessary to accomplish work for which the vehicle was designed other than transporting goods (such as operating a lift or crane).

More information is at

<https://www.flrules.org/gateway/ruleno.asp?id=62-285.420>,
http://www.dep.state.fl.us/legal/ERC/files/June_19_2008.pdf, and
<http://www.todaystrucking.com/news.cfm?intDocID=19851>.

EPA Levels \$195,000 Fine against Waste Hauler

Allied Waste Services of Massachusetts will pay a \$195,000 penalty to settle an environmental enforcement case brought by Federal officials for excessive motor vehicle idling in Brockton, Quincy, Fall River, and Revere. The case goes back to 2007, when an inspector from the U.S. Environmental Protection Agency (EPA) in Boston observed more than 60 diesel-powered refuse haulers idling excessively at four Allied depots in those cities. Allied is under contract with Boston through June 2009 as one of the companies that disposes of the city's trash.

The settlement, filed as a judicial consent decree, is the latest of nine Federal enforcement actions brought against vehicle fleet owners in New England for idling violations. Allied's settlement includes setting up an anti-idling program, driver training, posted signs, and twice-daily

management inspections of the depots' parking lots. Allied will also certify that automatic shut-off devices in its trucks are working and set to a 5-minute standard.

The Massachusetts idling regulation enforced by EPA in this case generally limits vehicle idling to no more than 5 minutes. Other States in EPA Region 1 (Connecticut, New Hampshire, and Rhode Island) also have anti-idling laws. Those laws in Massachusetts and Connecticut can be enforced at the Federal level because they are part of their EPA-required State Implementation Plans.

More information is located at

<http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/5f22d0d62f20dc09852574a50052c02d!OpenDocument>.

CARB Fines Company for Violating TRU Facilities Regulation

Clougherty Packing/Farmer John, a subsidiary of Hormel Foods, was hit with a \$63,300 fine by the California Air Resources Board (CARB) for failing to comply with diesel truck emission requirements. CARB inspectors found that Farmer John failed to file a one-time report for its Vernon, California, distribution facility, a violation of the Transport Refrigeration Unit (TRU) facilities regulation. In addition, the company

had failed to inspect its diesel truck fleet for excess emissions in 2006 and 2007.

As a result of the penalty, Farmer John must:



- Instruct vehicle operators to comply with the state's idling regulations
- Submit delinquent transport refrigeration facility reports
- Ensure that staff responsible for compliance with the diesel truck emission inspection program attend diesel education courses and provide certificates of completion within 1 year
- Complete heavy-duty diesel engine software and control technology upgrades in compliance with regulations
- Supply all smoke inspection records to CARB for the next 4 years
- Properly label engines to ensure compliance with the engine emissions certification program regulations.

Facilities with 20 or more cold storage loading docks in California are required to monitor, keep records, and report activities that create emissions, including those from diesel-powered TRU's mounted on trucks, trailers, shipping containers, and rail cars. These activities take place during the loading and unloading of perishables goods at distribution centers around the State.

The California Air Pollution Control Fund, established to mitigate various sources of pollution through education and the advancement and use of cleaner technology, will receive \$47,475, and the Peralta Community College District will get \$15,825 from Farmer John to fund diesel education courses at five community college campuses around the State. More information is available at <http://www.arb.ca.gov/newsrel/nr081208.htm>.

AWARDS AND RECOGNITION

FHWA Selects Interstate Locations for Truck Parking

A Federal Highway Administration (FHWA) pilot program to address the shortage of long-term parking for commercial motor vehicles has made two awards worth a total of \$10,977,000. The winners of a solicitation where 20 applications were received from States, metropolitan planning organizations, and local governments were the California iPark Project along the I-5 corridor and the I-95 Corridor Coalition truck parking project.

The California iPark project will be funded at \$5,455,372 for a 3-year period. California plans to identify truck parking spaces at both public and private parking facilities through advanced cameras and sensors and then communicate the availability of those spaces through advanced technology (cell phones, personal digital assistants, navigation devices, and other appropriate devices). Additionally this

project will demonstrate a reservation system that will be designed to allow truckers to make an advance reservation for a parking space that more closely matches Hours of Service.

The other project selected is the I-95 Corridor Coalition, which will be funded at \$5,521,688 for a 3-year period. Seven States along the corridor are participating, and they have focused on 8,351 parking spaces to monitor through advanced technology. The availability of those spaces will be communicated through traffic management centers to a selected lead center, then to the truck drivers. I-95 will consider similar technology as the I-5 corridor project, but it will also look at park-and-ride facilities that are not used during the evening hours. They will also work with businesses to utilize their parking



facilities during the evening hours. They also plan to build an additional 250 spaces at a State cost of \$4 million.

On I-95, average daily truck traffic is over 10,000 on certain stretches, with maximum daily truck traffic above 31,000. On I-5, average daily truck traffic is near 10,000, with a maximum above 35,000. The two

corridors represent 10 percent of total interstate truck traffic. Please go to http://ops.fhwa.dot.gov/freight/safetea_lu/1305_tpf.htm, <http://www.fhwa.dot.gov/pressroom/fhwa0813.htm>, and <http://www.fhwa.dot.gov/safetealu/factsheets/truckpark.htm> for more information.

Ohio Make Diesel Emissions Reduction Awards

FHWA Congestion Mitigation and Air Quality (CMAQ) Improvement funds to the Ohio Department of Transportation (ODOT) were recently awarded to 10 grantees for idling reduction and replacing, repowering, and retrofitting heavy-duty diesel engines. The program was created in H.B. 562, which earmarked \$19.8 million over 2 years for the Diesel Emissions Reduction Grant program. ODOT, the Ohio Department of Development (ODOD), and the Ohio Environmental Protection Agency developed the ground rules for the interagency program, which had been announced on January 7, 2008; it is administered by ODOD. The program required matching funds of at least 20 percent and for the equipment to be operated in Ohio non-attainment-and-maintenance counties at least 65 percent of the time.

Idling reduction awardees are:

- The AcelorMittal Cleveland steel plant in Cuyahoga County will use its grant to install water and oil heating units with battery chargers on each of 28 diesel electric railroad switching engines that are confined inside the plant. The company noted in its proposal that some of the locomotives had been idling 24 hours a day waiting to be called into service, while others could have been shut down and connected to standby heating systems. The hot-start units to be installed in the

locomotive fleet will enable them to be plugged instead of idling for extended periods of time.

- Indiana & Ohio Railway Company Locomotive Anti-Idle Equipment will improve the air quality in Hamilton County. The railway will use its grant to purchase 24 auxiliary power units (APU's) for its locomotives so that the locomotive's diesel engine can be automatically shut down after a prescribed idle time (10-30 minutes depending on the ambient conditions). Actual test data show a 90-percent reduction in NOx, HC, CO, particulate matter (PM), and SO2.
- The Wheeling & Lake Erie Railroad will install automatic engine start-stop (AESS) systems on 16 locomotives in Stark County. The AESS systems will be used to reduce locomotive idling by maximizing locomotive shut-down time.

ODOD expects to announce additional awards later this year. Please go to [http://www.odod.state.oh.us/cms/uploadedfiles/Root/DERG/07-29-08%20Fisher%20Announces%20Diesel%20Emissions%20Reduction%20Grants\(1\).pdf](http://www.odod.state.oh.us/cms/uploadedfiles/Root/DERG/07-29-08%20Fisher%20Announces%20Diesel%20Emissions%20Reduction%20Grants(1).pdf) and <http://www.odod.state.oh.us/diesel-emissions/> for more information.



PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
Faster Freight, Cleaner Air East Coast	New York City, New York	July 8-10, 2008	http://www.ffcaeastcoast.com/agenda.html

NEW PUBLICATIONS OF INTEREST

[Red text indicates a new entry compared to last month.]

Source	Title	Website or Contact
California Air Resources Board (CARB)	<i>Railyard Health Risk Assessment for BNSF Barstow</i>	http://www.arb.ca.gov/railyard/hra/hra.htm
	<i>Railyard Health Risk Assessment for BNSF San Bernadino</i>	
	<i>Railyard Health Risk Assessment for BNSF San Diego</i>	
Mid-Atlantic Regional Air Management Association (MARAMA)	<i>MARAMA Report on the Mid-Atlantic Truck Engine Idle Reduction Technology Demonstration Program</i>	http://www.marama.org/reports/APU_Report_June2008/index.html
NYSERDA	<i>eTRU Infrastructure Deployment</i>	Please contact Joe Tario at NYSERDA for a copy (jdt@nyserda.org)

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
Same Roads – New Challenges	Toronto, Ontario, Canada	October 1-2, 2008	http://fleetsmart.nrcan.gc.ca/index.cfm?fuseaction=fleetsmart.roads



Meeting	Location	Date	Website or Contact
SAE Commercial Vehicle Engineering Congress & Exhibition	Rosemont, Illinois	October 7-9, 2008	http://www.sae.org/events/cve/
Hybrid Truck Users Forum 2008 National Conference	South Bend, Indiana	October 14-16, 2008	http://www.calstart.org/programs/htuf/
2008 National Odyssey Day	Valparaiso, Indiana	October 3, 2008	http://www.nationalafvdayodyssey.org/2ndlevel/events/ie/in_08.html
Texas Commission on Environmental Quality Idling Rule Stakeholder Informational Meeting	Austin, Texas	October 6, 2008	Contact Theodore Kosub at tkosub@tceq.state.tx.us or (512) 239-5609 for more information.
North American Port & Intermodal Finance & Investment Summit	Houston, Texas	October 20, 2008	http://www.infocastinc.biz/ports/email/home.html
Fleet Solutions: How to Make Smart Alternative Fuel and Vehicle Choices	Irving, Texas	November 4-5, 2008	http://www.afvi.org/training081104.html
Transportation Research Board	Washington, D.C.	January 11-15, 2009	http://www.trb.org/meeting/2009/default.asp
Clean Heavy-Duty Vehicle Conference and Expo	Long Beach, California	March 16-18, 2009	http://www.chdv.org

PARKING SPACES FOR TRUCKS

IdleAire Acquired by New Owner after Bankruptcy Filing

Citing debts of \$303.6 million and assets of \$210.9 million, IdleAire Technologies Corporation filed a voluntary petition for relief under Chapter 11 of the U.S. Bankruptcy Code in Wilmington, Delaware, on May 12, 2008. This filing allowed the company to operate under the terms of its Chapter 11 reorganization while setting conditions for the

sale of the business. IdleAire Acquisition Co. LLC, which includes the secured lenders, agreed to act as the “stalking horse” in the bid process, offering a base amount of \$10 million. On July 12, 2008, it eventually won an auction with one other bidder. The reported price was about \$26 million, including some assumed liabilities.



The new owner, IdleAire Inc., is comprised of six investment management companies that now own essentially all of the bankrupt IdleAire Technologies Corporation's assets as of August 29, 2008, the official closing date of the sale. The new company is retaining both the "IdleAire" brand and the Advanced Travel Center Electrification (ATE®) designation. The now privately held company is also expected to remain headquartered in Knoxville, Tennessee, and to retain current IdleAire employees, although there will be changes in senior management.

IdleAire set a new record in service the week of July 27, 2008, by providing over 49,000 customers with 483,104 hours of service in the 7-day period and signing up 1,898 new driver customers in the process. The company states that those numbers translate to nearly 500,000 gallons of diesel saved for truck owners and over 11 million pounds of diesel idling emissions prevented. Please go to <http://www.idleaire.com/NewsDetails.asp?id=18>, <http://www.idleaire.com/NewsDetails.asp?id=19>, <http://www.thetrucker.com/News/Stories/2008/8/22/IdleAireheretostayturnaroundspecialistsays.aspx>, and <http://www.kccllc.net/idleaire> for more information.

CSS Opens Outreach Center in Sacramento

Cascade Sierra Solutions (CSS), a nonprofit corporation helping truck owners on the 1-5 corridor since November 2006, announces that it has opened its third outreach center at the 49er Truck Stop in Sacramento, California. This center will augment the outreach centers already in place in Portland and Coburg, Oregon, where money-saving equipment upgrades on over 1,500 trucks have taken place resulting in an estimated saving of over 2.5 million gallons of fuel and a reduction in carbon dioxide emissions of more than 25,000 metric tons. Each outreach center features one of the largest permanent clean diesel, fuel-saving product displays for diesel fuel upgrades. The centers have information from regulatory authorities and on equipment that meets the EPA SmartWay Transport

Partnership guidelines. They also have information on how to finance such equipment, have it installed, and on monitoring, testing, certification, and reporting required by stakeholders of loans and grants.

The CSS Fleet Member Program lets truck owners establish profiles for early consideration when new grant or tax incentive programs are opened. This also positions CSS to quickly and efficiently administer disbursements for granting agencies. Most upgrade configurations result in savings greater than the monthly payments, giving immediate cash back for operating expenses. More information is available at <http://www.cascadesierrasolutions.org>. Source: David Orton, CSS



OTHER NEWS OF INTEREST

EPA Updates URL 's for Idling Reduction Information

EPA's National Clean Diesel Campaign website (<http://www.epa.gov/otaq/diesel/index.htm>) has been updated to serve as a one-stop location for information on grants, loans, and technology verification. As a result, people interested in idling reduction need to start there to find information that used to be located elsewhere on the EPA website. Truckers and others can now sign up to receive e-mail updates on technologies, funding, policy, and other issues related to reducing emissions from heavy-duty diesel engines. Information relating to idling reduction equipment can now

be found at <http://www.epa.gov/otaq/smartway/transport/what-smartway/idling-reduction-available-tech.htm> while the State and local laws are now at <http://www.epa.gov/otaq/smartway/transport/what-smartway/idling-reduction-state-laws.htm>. There is also a State & Local Toolkit webpage that is designed to serve as a resource for State, regional, and local governments who are interested in implementing clean diesel programs in their areas (<http://www.epa.gov/otaq/diesel/slt/basicinfo.htm>). Idling reduction technology is now at <http://www.epa.gov/cleandiesel/idle-ncdc.htm>.

New Blog Offers Insight into Life with an APU

Google is a wonderful tool for saving time in compiling articles of interest. It led us to a blog, <http://idlealt.net>, from a trucker who uses the equipment that we hope every long-haul trucker will have on his or

her truck. His site has links to manufacturers and comments on their equipment. Check it out: It's always good to have a professional opinion on these matters.

RECURRING FEATURES

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- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc>)

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in July 2008, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

In addition, Erin Vachon, Environmental Coordinator for the Star Program at the Louisville Metro Air Pollution Control District (APCD), is still gathering information for a comprehensive review of all idling restrictions across the country as of April 11, 2008. The Idling Regulation Review can be found at <http://www.louisvilleky.gov/APCD/Stakeholder/IRWGDocuments.htm> in Excel and PDF formats. Louisville APCD will continue to update the review until the conclusion of their stakeholder process in September



2008. All updates will be posed at the webpage above. Please direct your questions and comments to Erin at erin.vachon@louisvilleky.gov

or (502) 574-7262. Source: Kevin Downing, Oregon Department of Environmental Quality

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

Until just recently, the DOE Clean Cities program has had a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. Both IdleAire and Shorepower Technologies installations are listed in this locator. The site is being redesigned and is currently unavailable. It is expected to be back online soon.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each State can adopt this exemption, at its own discretion, without being subject to any penalty

provision related to withholding of highway trust fund monies. The table below will be updated as States adopt the exemption. URL's are provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that



enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table. Any entries in red indicate a new

entry compared to the previous issue.]

State	Bill	URL	Status
Arkansas			As of April 23, 2007, the Arkansas Highway Police (AHP), a division of the Arkansas Highway and Transportation Department, will accept an APU weighing up to 400 pounds so long as the driver has a written certificate to that effect and the APU is fully functional at all times (AHP Enforcement Policy 07-03-030).
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.
Missouri	HB 488, An Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/billtracking/bills071/bills/hb488.htm	Died in 2007 upon adjournment due to no final vote in the Senate.
New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.



State	Bill	URL	Status
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.
Washington		http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-073	Effective August 30, 2007.
Wisconsin	2007 Wisconsin Act 20	http://www.legis.state.wi.us/statutes/Stat0348.pdf	Effective October 26, 2007

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NATIONAL IDLING REDUCTION NETWORK NEWS

Spring 2008

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are awarded.	http://www.njmta.org/images/pages/novemberdep.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right of the screen
New York State Energy Research and Development Authority (NYSERDA)	PON 992, New York State Clean Air School Bus Program, Round 2	Unspecified	Spring 2008	http://www.nyserda.org/funding/funding.asp?i=1 , and plug in PON 992 into the search box.
	PON 1158, School Bus Idling Reduction in Westchester, Putnam, and Dutchess Counties	Unspecified	Winter 2007-2008	http://www.nyserda.org/funding/funding.asp?i=1 , and plug in PON 1158 into the search box.
U.S. Environmental Protection Agency (EPA)	2008 SmartWay Transport Partnership Excellence Award	N/A	June 30, 2008	http://www.epa.gov/smartway/awards08.htm



Organization	Project	Funding	Deadline	Website
EPA Regions 9 and 10	West Coast Collaborative Diesel Emissions Reduction Program	~\$5.1 million	July 1, 2008	http://yosemite.epa.gov/R10/AIRPAGE.NSF/7594bda73086704a88256d7f00743067/255d3124b924438188257404007281b4/\$FILE/epa-r10-wcc-2008.pdf
NYSERDA	PON 1223, Advanced Transportation Technologies	\$2.5 million for both Rounds 1 and 2	July 8, 2008, for Round 1; December 17, 2008, for Round 2	http://www.nyserda.org/funding/1223pon.asp
	PON 1217, Advanced Energy Systems for NYC Passenger Mass Transit	\$2.5 million for both Rounds 1 and 2	July 24, 2008, for Round 1; January 7, 2009, for Round 2	http://www.nyserda.org/Funding/1217pon.pdf
Texas Emission Reduction Plan (TERP)	Rebate Grants Program	\$17,628,871 as of February 14, 2008	July 31, 2008	http://www.tceq.state.tx.us/implementation/air/terp/rebate.html

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
Faster Freight, Cleaner Air Conference	New York City, New York	July 8-9, 2008	http://www.ffcaeastcoast.com/
Plug-In 2008 Conference and Exposition	San José, California	July 22-24, 2008	http://plugin2008.com/
DOE Diesel Engine-Efficiency and Emissions Research Conference	Dearborn, Michigan	August 4-7, 2008	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html



Meeting	Location	Date	Website or Contact
Webcast on Driver Issues Related to Fuel Economy	N/A	August 5, 2008	https://event.on24.com/eventRegistration/EventLobbyServlet?target=registration.jsp&eventid=110888&sessionid=1&key=3F2AF4C9BF20E9B4B1DF7CBBFE914BDF&partnerref=focom&sourcepage=register
Northern Transportation & Air Quality Summit	Baltimore, Maryland	August 13-15, 2008	http://www.marama.org/ntaqs/
The Future is Green Conference and Expo	Long Beach, California	September 14-16, 2008	http://www.capcoagreen.com/
Faster Freight, Cleaner Air Conference	Seattle, Washington	September 17-18, 2008	http://www.fcapugetsound.com/
24 th Annual Clean Air Conference	Boulder, Colorado	September 22-25, 2008	http://www.ncvecs.colostate.edu
Webcast on Fuel-Saving Truck Technology and Maintenance Programs	N/A	September 23, 2008	https://event.on24.com/eventRegistration/EventLobbyServlet?target=registration.jsp&eventid=110888&sessionid=1&key=3F2AF4C9BF20E9B4B1DF7CBBFE914BDF&partnerref=focom&sourcepage=register
Same Road – New Challenges	Toronto, Ontario, Canada	October 1-2, 2008	http://fleetsmart.nrcan.gc.ca/index.cfm?fuseaction=fleetsmart.roads
Society of Automotive Engineers Commercial Vehicle Engineering Congress & Exhibition	Rosemont, Illinois	October 7-9, 2008	http://www.sae.org/events/cve/
Hybrid Truck Users Forum 2008 National Conference	South Bend, Indiana	October 14-16, 2008	http://www.calstart.org/programs/htuf/



NATIONAL IDLING REDUCTION NETWORK NEWS

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Fraser Basin Council (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a>

[9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc](http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html))

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)



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Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.
Missouri	HB 488, An Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/billtracking/bills071/bills/hb488.htm	Died in 2007 upon adjournment due to no final vote in the Senate.
New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.

State	Bill	URL	Status
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Washington		http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-073	Effective August 30, 2007.
Wisconsin	2007 Wisconsin Act 20	http://www.legis.state.wi.us/statutes/Stat0348.pdf	Effective October 26, 2007



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NATIONAL IDLING REDUCTION NETWORK NEWS

March 2008

SOLICITATIONS FOR FUNDING AND AWARDS

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Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are awarded.	http://www.njmta.org/images/pages/novemberdep.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right of the screen
U.S. Environmental Protection Agency (EPA)	Hydraulic Pump/Motor and Advanced Powertrain Support for Development of Advanced Hydraulic Vehicle Technology	Information not yet available	TBD, awaiting announcement of RFP	http://www2.fbo.gov/spg/EPA/OAM/OH/PR-CI-08-10206/listing.html
New York State Energy Research and Development Authority (NYSERDA)	PON 992, New York State Clean Air School Bus Program, Round 2	Unspecified	Spring 2008	http://www.nyserda.org/funding/funding.asp?i=1 and plug in PON 992 into the search box.



Organization	Project	Funding	Deadline	Website
NYSERDA	PON 1158, School Bus Idling Reduction in Westchester, Putnam, and Dutchess Counties	Unspecified	Winter 2007-2008	http://www.nyserda.org/funding/funding.asp?i=1 and plug in PON 1158 into the search box.
California Air Resources Board (CARB)	Haagen-Smit Clean Air Award	N/A	May 9, 2008	http://www.arb.ca.gov/docs/hsawards/arch08/arch08.htm
EPA Regions 6 and 7	Clean Diesel Funding Assistance Program for the Blue Skyways Geographic Area	~\$5 million	May 30, 2008	http://www.blueskyways.org/pdf/clean-diesel-FY08.pdf
U.S. Army	Concept Development and Systems Engineering Plan for U.S. Army combat vehicles	\$19.7 million over FY 2008-2010	May 31, 2008	http://www.fbo.gov/spg/USA/USAMC/DAAE07/W56HZV05%2DR%2DBAA1%2DTOPIC%2D11/listing.html
EPA	National Clean Diesel Finance Program	\$3 million	June 9, 2008	Please go to http://www.epa.gov/air/grants_funding.html , and refer to solicitation EPA-OAR-OTAQ-08-04
EPA Regions 1 and 2	Northeast Diesel Collaborative	~\$5.4 million	June 12, 2008	http://www.northeastdiesel.org/funding.htm
EPA Region 4	Southeast Diesel Collaborative FY 2008- 2009 Diesel Program	~\$3.6 million	June 12, 2008	http://www.epa.gov/region4/air/mobile/SEDC-RFP%20FY0809.pdf
EPA Region 5	Midwest Clean Diesel Initiative	~\$5 million	June 12, 2008	http://www.epa.gov/midwestcleandiesel/grants/mcdirfp08.html
EPA Region 3	Mid-Atlantic Diesel Collaborative Grants to Reduce Diesel Emissions	\$3.1 million	June 13, 2008	http://www.epa.gov/reg3artd/diesel/r3diesel-rfp-2008.pdf



Organization	Project	Funding	Deadline	Website
EPA Region 8	Rocky Mountain Clean Diesel Collaborative	~\$1.6 - \$2.0 million	June 16, 2008	http://www.epa.gov/region8/air/R8_DERA_RFP.pdf
EPA Regions 9 and 10	West Coast Collaborative Diesel Emissions Reduction Program	~\$5.1 million	July 1, 2008	http://yosemite.epa.gov/R10/AIRPAGE.NSF/7594bda73086704a88256d7f00743067/255d3124b924438188257404007281b4/\$FILE/epa-r10-wcc-2008.pdf
Texas Emission Reduction Plan (TERP)	Rebate Grants Program	\$17,628,871 as of February 14, 2008	July 31, 2008	http://www.tceq.state.tx.us/implementation/air/terp/rebate.html

REGULATORY NEWS

CARB Approves Guidelines to Distribute \$1B from Prop. 1B

Trucks and locomotives that spend much of their time in California will be the beneficiaries of \$1 billion from Proposition 1B, the Goods Movement Emission Reduction Program. CARB plans to use the money to retrofit or replace truck and locomotive engines through sending funding to the State's four most polluted trade corridors: Los Angeles/Inland Empire, the Central Valley, the San Francisco Bay area, and the San Diego/border region. California ports such as Los Angeles and Long Beach plan to supplement the state grants for drayage truckers working at the ports by collecting a \$35-per-container fee to be used for retrofits and new trucks.

Over time, diesel trucks at seaports and intermodal rail yards will receive \$400 million. A total of \$360 million is aimed at diesel trucks hauling goods and electrification of parking spots at truck stops or distributions centers. Diesel freight locomotives would receive \$100 million as would cargo ship shore power while \$40 million would be set aside for commercial harbor craft. People and organizations who

want to apply for funds should go directly to one of the local agencies that were approved to receive funds, which will be limited to existing equipment that has been registered and operating in California over the last 2 years.

These grants will cover \$5,000-\$20,000 for drayage-truck retrofits and up to \$50,000 for the cost of a new truck. The funding requires a commitment to do business only in California for up to 8 years, depending on the amount of the grant. The goal is to have 100 percent of all equipment contracts completed and the majority of the upgrades done by June 30, 2008. All upgrades must be completed by December 31, 2008. The competitive process is well under way. Already, requests for more than \$170 million in funding have been received, but CARB can provide only \$25 million in grants for FY 2007-08. More information is available at <http://www.arb.ca.gov/newsrel/nr022808b.htm>, <http://www.ttnews.com/articles/basetemplate.aspx?storyid=19321>,



and
http://www.landlinemag.com/todays_news/Daily/2008/Feb08/022508/

[022908-08.htm](http://www.landlinemag.com/todays_news/Daily/2008/Feb08/022508/).

Connecticut May Change Enforcement of Anti-Idling Reg to DMV

According to *Land Line*, the Connecticut General Assembly is currently working on a bill to augment its current regulation that limits idling of all vehicles to 3 minutes. SB 123 would allow the Connecticut Department of Motor Vehicles to enforce the law, a change from having enforcement carried out by the Department of Environmental Protection where it has been difficult to enforce. Fines would be at least \$35.

Exemptions to the idling restriction would include situations when the temperature is below 20°F, when vehicles are stuck in traffic, or when

idling is necessary to operate defrosters, heaters, or air-conditioners “to ensure the safety or health” of drivers or passengers. Operating auxiliary equipment “to accomplish the intended use of the motor vehicle” also would be exempted. Please go to http://www.landlinemag.com/todays_news/Daily/2008/Mar08/032408/032608-03.htm and http://www.cga.ct.gov/asp/cgabillstatus/cgabillstatus.asp?selBillType=Bill&bill_num=123&which_year=2008 for more information.

Louisville Compiles Comprehensive List of Idling Reduction Restrictions

Unlike other lists of idling reduction regulations, the Louisville (Kentucky) Metro Air Pollution Control District (APCD) set out to pull together a comprehensive Idling Restriction Review. This document was developed from the point of view of a regulator so that others in the field could design a comprehensive, balanced, and enforceable restriction package. APCD wanted to look at the entire scope of restrictions before deciding what was best for Louisville and went further than what is detailed on the American Transportation Research Institute’s website, the EPA SmartWay Transport Partnership website, and even this newsletter. The current Idling Restriction Review includes several unattended vehicle idling

restrictions, noise and odor control restrictions, and other restrictions meant to target idling by area rather than by vehicle.

The restriction review can be found at <http://www.louisvilleky.gov/APCD/Stakeholder/IRWGDocuments.htm> in Excel and PDF formats. As readers may note, many of the cells in the Idling Restriction Review still need to be filled in. APCD will continue to update the review until the conclusion of its stakeholder process in September 2008 and welcomes information on idling restrictions from stakeholder jurisdictions. If anyone is interested in contributing information, please contact Erin Vachon at erin.vachon@louisvilleky.gov or by phone at (502) 574-7262.



Missouri Nears Final Bill on 400-Pound Weight Exemption, Tax Credit for Equipment

SB 841 in the Missouri General Assembly is moving apace to increase the maximum gross vehicle weight limit by 400 pounds for trucks equipped with idling reduction equipment. In addition, another bill would allow a tax credit for idling reduction equipment to be installed on trucks for the next 2 years. The credit would be equal to 50 percent of the amount of the purchase and installation on Class 8 trucks, up to \$3,500 per truck. If SB 811 is enacted into law, Missouri could set up a fund of up to \$10 million for these tax credits every

year. Complete information is at

http://www.senate.mo.gov/08info/BTS_Web/Bill.aspx?SessionType=R&BillID=78,
http://www.senate.mo.gov/08info/BTS_Web/Bill.aspx?SessionType=R&BillID=76, and
http://www.landlinemag.com/todays_news/Daily/2008/Apr08/040108/040108-08.htm.

AWARDS AND RECOGNITION

Chicago Refuse Haulers to be Cleaner, Thanks to EPA Grant

EPA's Region 5 Midwest Clean Diesel Initiative has announced the award of \$51,840 to the Chicago Departments of Environment and Fleet Management to install diesel-fired engine coolant and hydraulic system heaters on 13 refuse haulers used by the Department of Streets and Sanitation. These devices will demonstrate the

effectiveness of idling reduction technologies on these vehicles while conserving fuel and reducing maintenance. More information can be found at

<http://yosemite.epa.gov/opa/admpress.nsf/dc57b08b5acd42bc852573c90044a9c4/7b726725f778543d85257412006c10eb!OpenDocument>.

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
CARB Phase II Hotelling Emissions Reduction Workgroup Meeting	Sacramento, California	March 19, 2008	http://www.arb.ca.gov/ports/shorepower/march08presentation.pdf



NEW PUBLICATIONS OF INTEREST

[Red text indicates a new entry compared to last month.]

Source	Title	Website or Contact
Caterpillar	<i>How to Make Fuel Savings Pay Big Dividends</i>	http://www.cat.com/cda/files/811134/7/T02PR08.doc
California Department of Transportation	<i>Development of an Exposure Model for Diesel Locomotive Emissions near the Alameda Corridor</i>	http://www.dot.ca.gov/newtech/researchreports/reports/2008/final_report-rahai-csulb.pdf
CARB	<i>Draft Preliminary Summary of Results for West Oakland Community Diesel PM Health Risk Assessment</i>	http://www.arb.ca.gov/ch/communities/ra/westoakland/westoakland.htm
Frost & Sullivan	<i>Strategic Analysis of Emission and Idling Reduction Technologies for EPA 2010 and Idling Regulations Compliance</i>	http://www.frost.com/prod/servlet/report-brochure.pag?id=N34A-01-00-00-00 for a free overview of the report; for the complete report and its cost, please contact Ben Mann at ben.mann@frost.com or (210) 477-8410
Joint Transportation Centre of the Organisation for Economic Co-operation and Development and the International Transport Forum	<i>Responding to Increasing Port-related Freight Volumes: Lessons from Los Angeles/Long Beach and other US Ports and Hinterlands</i>	http://www.internationaltransportforum.org/jtrc/DiscussionPapers/DP200812.pdf
San Diego Unified Port District	<i>San Diego Unified Port District 2007 Clean Air Program Draft Report</i>	http://www.portofsandiego.org/sandiego_environment/documents/2007_cap_final_draft_report.pdf



UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
U.S. Department of Energy (DOE) Industry Day for Request for Information on Development of Solicitations for \$10 Billion Loan Guarantee Program for Energy Efficiency, Renewable Energy, and Transmission Projects under Title XVII of the Energy Policy Act of 2005	Palo Alto, California	May 8, 2008	Interested parties must send an email containing the following information to EERefinance@hq.doe.gov with the title, "May 8 Finance Meeting RSVP"; more information is available at http://www1.eere.energy.gov/financing/solicitations_detail.html?sol_id=157.
Alternative Fuels & Vehicles National Conference + Expo	Las Vegas, Nevada	May 11-14, 2008	http://www.afvi.org/NationalConference2008/
CARB Board Meeting	Fresno, California	May 22-23, 2008	http://www.arb.ca.gov/board/ma/2008/ma052208.htm
Calstart Blue Sky Awards Ceremony and Luncheon	Los Angeles, California	June 10, 2008	http://www.calstart.org/info/bluesky/BSA2008_Home.php
33rd Annual Summer Ports, Waterways, Freight, and International Trade Conference	Baltimore, Maryland	June 18-20, 2008	http://www.trb.org/news/blurb_detail.asp?id=8923
Faster Freight, Cleaner Air Conference	New York City, New York	July 8-9, 2008	http://www.ffcaeastcoast.com/
Plug-In 2008 Conference and Exposition	San José, California	July 22-24, 2008	http://plugin2008.com/
DOE Diesel Engine-Efficiency and Emissions Research Conference	Dearborn, Michigan	August 4-7, 2008	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
Faster Freight, Cleaner Air Conference	Seattle, Washington	September 17-18, 2008	http://www.fcapugetsound.com/



Meeting	Location	Date	Website or Contact
24 th Annual Clean Air Conference	Boulder, Colorado	September 22-25, 2008	http://www.ncvecs.colostate.edu
Society of Automotive Engineers Commercial Vehicle Engineering Congress & Exhibition	Rosemont, Illinois	October 7-9, 2008	http://www.sae.org/events/cve/
Hybrid Truck Users Forum 2008 National Conference	South Bend, Indiana	October 14-16, 2008	http://www.calstart.org/programs/htuf/

MANUFACTURERS' NEWS

Cummins Meets CARB Specs for APU's

According to *Fleet Owner*, the Cummins ComfortGuard auxiliary power unit (APU), which is designed to be integrated with the company's ISX engine, routes the APU exhaust through the truck's main diesel particulate filter (DPF), and thereby meets CARB's strict emissions requirements. The APU will be in production by the end of

June 2008. A stand-alone (DPF) will also be available for Cummins' APU, but it hasn't yet received approval from CARB. Please go to http://www.fleetowner.com/equipment/cummins_progress_report_0326 for more information.

Espar Introduces 3 New CARB-Approved Products

Three new products from Espar – the Hybernator-On Frame, the Hybernator-In Frame, and the Baire Necessity System – offer CARB-compliant solutions to keeping a truck cab warm while not draining the battery. The In Frame product is installed on the tractor's frame, while the On Frame sits between the frame rails. The Baire Necessity

System is portable and can be moved from truck to truck or even offered on a temporary basis at a freight terminal. More information and photos of the products are at http://www.espar.com/transfer/MATS_Press_Conference/espar_press_release.pdf. Source: John Dennehy, Espar



Dometic Unveils CARB-Compliant, Battery-Powered Air-Conditioning System for Day Cabs

Dometic Environmental Corporation has introduced a battery-powered auxiliary air-conditioning system for day cabs that is CARB-compliant system and reduces idling while a truck is waiting to load and unload at terminals. According to the company, the 7,000-Btu unit provides 2 hours of cooling without running the truck engine, using a bank of Group 31 absorbed glass mat (AGM) batteries as its power source. The system includes a compressor/evaporator/blower unit that fits between the seats, as well as an external condensing unit for the back

of the cab or under the truck. The two units connect through pre-charged refrigerant line sets for automatic charging at hook-up, according to Dometic. In addition, the package includes a 2,000-W inverter to run the air-conditioner and a high-capacity alternator to recharge the batteries. This link has more information: http://www.fleetowner.com/equipment/dometic_air_conditioner_0326/index.html.

New APU's from Dunamis Offer 3-Year Warranty

Dunamis Power System recently introduced two new APU's: the 2-cylinder Pro model puts out over 22,000 Btu's of heat and air-conditioning and 3.5 kW of AC power while the 3-cylinder ProMax puts out over 30,000 Btu's and 3.5 kW. Both units have Dunamis'

patent-pending Co-Generation Process, which pulls power from the APU motor. The unit is backed by a full-system, 3-year warranty and follows the truck's maintenance schedule. Please go to <http://dunamispowersystems.com/category/news> for more information.

Kenworth to Conduct Clean Technology Tour, Announces New Environmental Program

Kenworth Truck Company will launch the Kenworth Clean Technology Tour this spring to showcase its range of new products for heavy- and medium-duty truck purchasers. This tour is expected to appear at 70 events, including several in EPA non-attainment areas, to showcase Kenworth vehicles that have reduced environmental impact. One of the vehicles on tour will be a Kenworth T660 that meets the requirements of the EPA SmartWay Transport Partnership. It has aerodynamic fairing and is also equipped with the CARB-compliant Kenworth Clean Power® no-idle system. Tour stops will be made in

conjunction with Kenworth dealerships. The tour is expected to run into the fall. For more information, visit http://www.kenworth.com/6100_pre_mor.asp?file=2283. Source: Mike Laughlin, New West Technologies





engines and Eaton's hybrid drive; they may also qualify for a

The company has also announced a comprehensive environmental program focusing on alternative fuels, hybrid technologies, idling reduction, aerodynamic performance, and driver awareness technologies. Kenworth will begin full production of medium-duty diesel-electric hybrid trucks this summer. These Class 6 and 7 trucks will be equipped with Paccar's PX-6

maximum Federal tax credit of \$6,000 for Class 6 trucks and \$12,000 for Class 7 trucks. According to the company, its Clean Power no-idle system is fully compliant with CARB's idling regulations and offers as much as an 8-percent improvement in fuel economy for high idlers. Kenworth's goal is to enhance fuel economy by up to 30 percent in pickup and delivery applications and up to 50 percent in utility operations. More information is available at http://www.kenworth.com/6100_pre_mor.asp?file=2282, http://www.kenworth.com/6100_pre_mor.asp?file=2276, and http://fleetowner.com/equipment/kenworth_roads_to_green_0326/index.html

Ricardo Establishes Center for Development of Battery Systems for Hybrid and Electric Vehicles

Ricardo, Inc., has announced the establishment of the Battery Systems Development Center at its Van Buren Township, Michigan, headquarters to offer turnkey engineering and development of complete high-voltage battery-pack systems for hybrid (HEV), plug-in hybrid (PHEV) and electric vehicles (EV). The center will feature three lithium-ion (Li-ion)-capable development chambers, large HEV/EV-capable battery cyclers, and equipment to facilitate the development of battery systems in simulated vehicle environments.

This center will bring together the company's pack/vehicle integration, hybrid transmission development, and vehicle development capabilities. The company plans to apply its Total Vehicle Fuel Economy™ capabilities to help its customers accelerate the production of HEV's, PHEV's, and EV's into the marketplace. More information is available at <http://www.ricardo.com/media/pressreleases/pressrelease.aspx?page=110>. Source: Gloria Wandyez, Ricardo

Thermo King Offers DPF for TriPac™ Hybrid APU

Thermo King has developed a DPF for its TriPac™ Hybrid Auxiliary Idle Reduction and Temperature Management System that is designed to meet APU emissions requirements required by CARB. The TriPac DPF has been submitted for CARB approval and is expected to be available in the spring of 2008. It also offers regeneration that takes

place during normal driving hours so there's no disruption to the driver during rest periods. The device is designed to be mounted in nine different ways and minimal





maintenance to reduce costs and downtime. The DPF will be available as aftermarket or original equipment. More information is

available at <http://www.thermoking.com/tk/index.asp>. Source: Mike O'Brien, Thermo King

PARKING SPACES FOR TRUCKS

New Electrified Spots to Go into Carolina Truck Stop



News 14 Carolina recent had an item about a Salisbury man, Bob Craig, who owns a truck stop at which he is planning to build 50 electrified spaces for truckers to use overnight. This truck stop would bring to three the number of truck stops in North

Carolina that provide electrified services to truckers. He has stated that State and Federal grant money has been designated to help him with construction costs. The truck stop is off Exit 71 on Interstate 85. Please check out <http://news14.com/content/headlines/594131/giving-big-rigs-a-better-option/Default.aspx> for the full story.

IdleAire Continues to Lose Money, May Not be Able to Survive

In its March 31, 2008, filing with the U.S. Security and Exchange Commission, IdleAire states that “it expects to report a net loss of approximately \$93 million and revenues of approximately \$37 million for fiscal year 2007, as compared to a \$60 million net loss and revenues of \$14 million for fiscal year 2006.” The company’s Form 12b-25, Notification of Late Filing, notes that it “continues to experience net operating losses which, combined with the continued use of cash in its operations and the payment of interest due on its outstanding notes in December 2008, raise substantial doubt as to the Registrant’s ability to continue as a going concern.” According to this

filing, IdleAire has hired Getzler Henrich & Associates LLC and KPMG Corporate Finance LLC to “assist and advise the Registrant [IdleAire] in developing and implementing a plan that, if executed successfully, should provide sufficient liquidity to finance the Registrant’s anticipated working capital and capital expenditure requirements for the next 12 months. However, there is no assurance that such plan can be executed on acceptable terms, if at all.” For more information, please go to <http://www.sec.gov/Archives/edgar/data/1162298/000095013308001374/w52652nt10vk.htm>.



SCHOOL BUSES

EPA Region 5 Grant Helps School Buses Idle Less

The Norwalk-Ontario-Wilton School District in Ontario, Wisconsin, is the recipient of an \$86,353 grant to reduce diesel emissions from the district's school buses. While the grant will be used to retrofit 9 school buses with diesel oxidation catalysts and crankcase filtration systems, 10 buses will be equipped with idling reduction equipment. Part of the grant will also be used to educate staff and the public on the

importance of clean-air practices. The grant is from EPA's Clean School Bus USA program through the Region 5 Midwest Clean Diesel Initiative. More information can be found at

<http://yosemite.epa.gov/opa/admpress.nsf/a5792a626c8dac098525735900400c2d/5b1fa58a4aa0184a852574050053c455!OpenDocument>.

IC Bus to Decrease Price of Hybrid Electric School Bus

Less than 2 years since the first hybrid school bus was unveiled in New York, IC Bus has announced a \$30,000-\$40,000 price decrease for its hybrid school buses, effective March 14, 2008. IC Bus unveiled the Nation's first hybrid school bus in July 2006. According to the company, these buses reduce emissions by up to 70 percent, improve fuel efficiency by up to 70 percent, and help teach students about the importance of environmental responsibility. Since their introduction, hybrid electric school buses have had a high initial purchase price. In 2007, the first 19 hybrid school buses were built and delivered to school districts all across the United States. There was a significant cost of producing these vehicles, but grants and tax credits helped defray some of those costs. As predicted from the beginning, IC Bus is now able to lower the price due to increased demand.

The first group of hybrid school bus orders was the result of a nationwide initiative called the Plug-In Hybrid Electric (PHEV) School Bus Project, led by Raleigh (North Carolina)-based Advanced Energy,

a non-profit corporation that initiated a buyer's consortium of school districts, State energy agencies, and student transportation providers. The hybrid electric school buses are built by IC Bus, the Nation's largest school bus manufacturer, and Enova Systems, a major provider of hybrid drive systems. While the exterior of the school bus looks the same as a standard bus, it is powered with innovative new technology.

The hybrid school bus project features Enova's hybrid drive system, which was extensively tested and evaluated at IC Bus's research and technology facility in Fort Wayne, Indiana. The hybrid system uses a post transmission, parallel drive configuration, which allows the MaxxForce™ diesel engine and the electric motor and battery pack of the hybrid system to work in tandem to optimize fuel economy and reduce emissions output. Please go to

<http://navistar.mediaroom.com/index.php?s=43&item=133> for more information.



HYBRID VEHICLES

ED Website Lists Hybrid Incentives

The non-governmental organization, Environmental Defense (ED), has information on its website that can point potential buyers of hybrid trucks to Federal, State, and local programs that offer incentives for purchasing such vehicles. What appears to be a rather

comprehensive table listing available models of medium- and heavy-duty trucks is also available from this website. For more information, please check out <http://www.edf.org/page.cfm?tagID=1124>.

Coca-Cola Orders 120 Hybrid Electric Trucks Using Eaton's Drivetrain

Eaton Corporation has announced that Coca-Cola Enterprises will purchase 120 new trucks this year powered by Eaton's hybrid electric drivetrain. This order represents the largest North American commercial order to date and is in addition to the 20 trucks purchased last year incorporating this system. Coca-Cola has found that the hybrid trucks have roughly 32-percent lower emissions and up to 37-

percent increased fuel economy. Maintenance costs have been lower also. One of the advantages of this drivetrain is that it can be used to provide energy during engine-off worksite operations, which further reduce noise, emissions, and fuel costs. More information can be found at http://www.eaton.com/EatonCom/SearchResults/CT_141371.

Odyne Receives Orders for Hybrid Refuse Haulers, Funding from NYSERDA

The City of New Rochelle, New York, and the Town of Huntington, New York, are going to be using Odyne Corporation's PHEV technology in their refuse haulers. New Rochelle will be retrofitting Odyne's PHEV parallel system in a Mack hauler, while Huntington will install the system in two refuse haulers. Funds for the Huntington project are from the Greater Long Island Clean Cities Coalition.

Odyne also announced that it has received a cost-shared contract from NYSERDA to fund expansion of its production capacity.

NYSERDA will fund half of the cost of the contracted items up to a maximum of \$534,590.

Odyne's PHEV power train and battery control system enables buses and trucks to operate more efficiently, according to the company. The vehicles can be plugged into the electric grid during low-cost, off-peak hours, thereby saving fuel used by the vehicle and reducing vehicle emissions. More information on all these projects can be found at http://www.odyne.com/web_resources/press_release_pdfs/odyne-pr-3-19-08.pdf,



http://www.odyne.com/web_resources/press_release_pdfs/odyne-pr-3-27-08.pdf, and

http://www.odyne.com/web_resources/press_release_pdfs/odyne-pr-3-24-08.pdf.

Peterbilt to Produce Medium-Duty HEV's This Summer

Peterbilt Motors Company recently announced plans for full production of its Model 330 and Model 335 medium-duty HEV's; both vehicle types feature Eaton's Hybrid Power system. Peterbilt claims up to 30-percent fuel economy improvement for the Model 330, and up to 60-percent fuel improvement for the utility configuration of the Model 335. Both of these models are eligible for Federal tax credits, up to \$12,000 for the Class 7 Model 335 HEV in utility-boom and pickup-and-delivery configurations and up to \$6,000 for the Class 6 Model 330 HEV.

Both trucks employ a parallel hybrid system that uses an electric motor to assist the diesel engine with extra torque for improved fuel economy. Regenerative braking is used to store energy when braking and then reused to launch and accelerate the vehicle. Information about the other technical specs of each model is available at <http://www.peterbilt.com/newsdetails.aspx?id=215>.

Volvo Construction Equipment Unveils Hybrid Wheel Loader

A pre-production prototype of a model L220F hybrid wheel loader from Volvo Construction Equipment was recently shown at an industry trade show. The company



notes that this hybrid machine offers more power, better performance, and 10-percent better fuel economy than a non-hybrid model. This parallel hybrid uses an integrated starter generator coupled to a battery that has many times

the power capacity of a normal lead acid battery. Fuel economy gains and emission reductions are the result of being able to have the diesel engine turned off while the wheel loader is idling, something it does about 40 percent of the time. In addition, the engine can be brought up to optimum working speed using a burst of energy from the battery. Volvo notes that there are many other technical improvements to this machine, which are discussed in more detail at <http://www.volvoconexpo.com/press/ConExpo%20Hybrid%20Release.pdf>.



PORTS

Port of San Diego Looks for Grant Funding for Emission Control Measures

The Port of San Diego will be applying for grants through Prop. 1B and the CARB Carl Moyer Program as a way to reduce emissions associated with Port operations. This is a follow-on to the Port of San Diego's draft Clean Air Program, which was presented in February 2008 and approved by the Board of Port Commissioners; it is the first voluntary clean air program to be approved by a Board of Port Commissioners in California.

The program identified four methods of reducing air emissions:

- Replacing or retrofitting older model trucks
- Replacing or retrofitting cargo-handling equipment
- Requiring ships in port to plug into shore power
- Reducing the speed of vessels traveling to and from San Diego Bay.

Grant funding from Prop. 1B would be used for truck replacement and retrofitting and installation of shore-side electrical power at the Tenth Avenue Marine Terminal. To qualify for truck replacement, the truck would have to remain in California and make at least 150 visits to the marine terminals each year. At present, about 30 trucks that use the Port's terminals qualify. The cost to replace a truck is currently about \$100,000. Another 93 trucks qualify for retrofitting. This would cost approximately \$10,000 per truck and involves retrofitting a truck with a DPF. The cost to install shore-side power at the Tenth Avenue Marine Terminal would be between \$3 million and \$5 million per berth. The Port of San Diego anticipates requesting up to \$2.5 million through the

Prop. 1B funding. Another \$1-\$2 million may be available for shore power through Carl Moyer.

California will begin enforcing truck replacement and retrofitting in December 2009. Rather than wait for these regulations to become mandatory, the Port will be implementing these programs sooner in order to help improve the air quality in the neighborhoods adjacent to the terminals. The grant funding would make it easier for truck owners to comply and would also assist the Port with the infrastructure necessary for installing the shore-side power equipment.

The Port of San Diego will be required by California law to have shore-side power available by 2014 at the Cruise Ship Terminal, the Broadway Pier, and the Tenth Avenue Marine Terminal. If cold ironing is not available by then, cargo ships would not be allowed to dock there, resulting in the loss of valuable trade business. In addition, cruise vessels would not be permitted to berth if there were no shore power available.

Meanwhile, the Port of San Diego Board of Commissioners directed staff to move aggressively on the development of shore-power capabilities to allow ships at berth to be powered by electricity rather than diesel fuel. The Board directed that \$1.5 million be applied to the development of this capability. Please see http://www.portofsandiego.org/sandiego_about/PressReleases/releases/20080306-PR-001.pdf and http://www.portofsandiego.org/sandiego_about/PressReleases/releases/20080314-PR-001.pdf for more details.



POLB Rolls Out New Clean Trucks Program

The Port of Long Beach (POLB) has launched a Clean Trucks Program whose goal is to reduce pollution from drayage trucks by more than 80 percent within 5 years. With the assistance of a port-sponsored grant or loan subsidy, the Port expects to have truck owners scrap or replace about 16,000 trucks that currently work at the Port. Independent truckers could lease-to-own a new truck for as little as \$500 per month, which would include pre-paid maintenance, or purchase a new, heavily subsidized truck outright. Fleet owners could buy or lease the trucks and have employees drive them. Beginning in October 1, 2008, model year 1988 and older trucks would be



banned. Over time, the program would ban all trucks not meeting the model year 2007 emission standards by 2012. POLB will finance the \$2.2 billion replacement program by a \$35 fee on loaded 20-foot equivalent cargo-containing units starting October 1, 2008. More information about this program can be found at http://www.polb.com/environment/air_quality/cleantrucks.asp, <http://www.ttnews.com/articles/basetemplate.aspx?storyid=19215>, http://www.fleetowner.com/management/long_beach_port_passes_plan_0307/index.html, and <http://www.labusinessjournal.com/article.asp?aID=74387751.9566051.1599897.253884.9972404.299&aID2=123060>.

POLA Approves Concessionaire Program to Retire Dirty Trucks

The Los Angeles Harbor Commission has approved its version of a concessionaire program to rid the Port of Los Angeles (POLA) of older, polluting trucks, according to a *Land Line* report. The concessionaire plan limits port access to trucks that meet all four of these criteria:

- Pay a \$2,500 fee every 5 years and \$100 per truck each year
- Participate in the “virtual container yard system”
- Post placards on trucks with a 1-800 number so citizens can report emissions or safety concerns

- Are licensed motor carriers.

POLA plans to offer up-front grants for truck purchases or a grant to retrofit a truck to meet 2007 standards. Both POLB and POLA have approved an emission standard requiring all trucks to meet 2007 engine standards by the 2012. CARB has passed its own port regulation requiring all diesel trucks to meet 2007 emission standards by December 2013. More information is at http://www.landlinemag.com/Special_Reports/2008/Mar08/032008_la_oks_port_plan.htm.



Port of Oakland Adopts Measures to Reduce Emissions

Like its sister ports to the south, the Port of Oakland has approved several clean truck initiatives that reduce emissions. The program will use container fees and other money to spend \$520 million on truck retrofit and replacement and other emission-reducing programs, such as cutting ship-idling emissions. According to *Land Line*, several shipping associations are willing to sue and tie up port “clean truck” proposals in court if they prove inefficient and incongruent with constitutionally protected interstate commerce. Please see http://www.landlinemag.com/todays_news/Daily/2008/Mar08/031708/031908-03.htm for more information.

ATA Seeks to Block Calif. Port Talks over Clean Trucks Proposals

Along the lines mentioned above, *Transport Topics* reported that the American Trucking Associations (ATA) Intermodal Motor Carriers Conference (IMCC) has asked the Federal Maritime Commission to block the Ports of Long Beach and Los Angeles and terminal operators from discussing and entering into agreements related to the Ports’ Clean Trucks Program. The IMCC called the Ports’ plans an attempt to “enlist tenant marine terminal operators at their respective

ports as the day-to-day enforcers of an unlawful ‘concession’ mechanism — a scheme unnecessary to achievement of the important environmental goals underlying the ports’ Clean Air Action Plan’.” At issue is whether the Ports have the legal right to block drayage operators from entering if those operators fail to comply with certain provisions of the Ports’ “concession” agreement. *Source:* <http://www.ttnews.com/articles/basetemplate.aspx?storyid=19320>

OTHER NEWS OF INTEREST

ATA Pushes for APU Relief

ATA, whose 37,000 members represent every type of motor carrier in the United States, has sent letters to the White House and several Federal agencies urging immediate relief for the country’s 3.5 million truckers and American consumers. While reducing diesel fuel prices is at the top of the list of actions, three items on the list pertain to idling reduction. ATA would like the Federal Government to continue to fund the EPA SmartWay Transport Partnership because it encourages fuel-saving strategies. It would also like to have a

suspension of the 12-percent Federal excise tax on APU’s and have all the States grant a 400-pound weight exemption for APU’s. ATA estimates that the trucking industry is currently on track to spend \$135 billion on diesel fuel this year compared to \$113 billion last year. The complete list of actions is at <http://www.truckline.com/NR/exeres/3AEF2137-09F9-4830-9719-51240264A28D.htm>.



New York State Agencies Launch Survey for Rest Areas

The New York State Thruway Authority and the New York State Motor Truck Association are spending \$600,000 to study the rest area needs of the trucking community. The Truck Intercept Survey, sponsored by the New York State Department of Transportation (NYSDOT), will be conducted over the next 24 months at various public and private rest areas and truck stops on State highways. NYSDOT is looking for ways to improve the State's rest areas so that they can better support the trucking community.

The purpose of the Truck Intercept Survey is to interview truckers traveling on the New York State highway system to collect data on rest area needs, including which segments of the trucking community are being satisfactorily served; what types of services and amenities should be at current and future public and private truck stops, rest areas and travel plazas; and what other factors can help make sure that future facilities are well located to serve the trucking community and ensure safety and convenience of all travelers.

Information collected will be used to help transportation agencies better understand the unique parking and rest area needs of the

trucking community and appropriately plan for these needs. NYSDOT and the Thruway Authority will use these data to develop policy on public and private sector roles and to guide future capital investments, infrastructure improvement projects, and decisions for locating and operating public rest areas.

Survey teams will seek participation from truckers at select rest areas in the Hudson Valley and throughout Upstate New York. All data collected will be kept confidential and will not contain any driver, vehicle or carrier identifications. Participation in the survey is optional. A similar effort is under way to survey the trucking industry in the New York City Metro area, under the sponsorship of the New York Metropolitan Transportation Council.

The 2-year State project will begin in late April. Data collection will initially take place at 15 sites over a 12 month period, with a second round of data collection occurring at 15 separate sites. The project is expected to be completed by spring 2010. Please go to <http://www.empirestatenews.net/News/20080401-13.html> for more information. Source: Joe Tario, NYSERDA

FMCSA Releases Studies on Hydrogen as a Fuel for Commercial Vehicles

Under the President's Hydrogen Fuels Initiative, the U.S. Department of Transportation (DOT) through the Federal Motor Carrier Safety Administration (FMCSA) implemented a 2-year project to determine the changes necessary to accommodate the use of hydrogen as a clean, alternative fuel in commercial vehicles. DOT envisions hydrogen as a near- or mid-term alternative fuel for commercial

vehicles in two ways: (1) auxiliary power for refrigeration, lighting, and climate control to avoid diesel idling and (2) propulsion power in local, urban delivery trucks. DOT does not envision utilization of hydrogen for long-haul trucks at this time because the energy density of hydrogen does not favor hydrogen as a replacement for diesel fuel in



such operations. As a result of this the following DOT reports that have been published:

- *Guidelines for Use of Hydrogen Fuel in Commercial Vehicles.* Report No. FMCSA-RRT-07-020
- *System Safety Plan for Commercial Vehicles Using Hydrogen as an Alternative Fuel.* Report No. FMCSA-07-025

- *Changes to Consider in the Federal Motor Carrier Safety Regulations and North American Standard Inspection Procedures to Accommodate Hydrogen as an Alternative Fuel.* Report No. FMCSA-RRT-07-027

The above publications are now available on the FMCSA web site at <http://www.fmcsa.dot.gov/facts-research/art-public-reports.asp>.

Source: Quon Kwan, FMCSA

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)

- **Authotherm** (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- **Fraser Basin Council** (<http://web.memberclicks.com/mc/page.do;jsessionid=d0301a>)



[9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc](http://www.9d9869fa88bfd51e50592a377d5d48?sitePagelId=40919&orgId=clcc))

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/ldling/ldlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)

- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in January 2008, are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www1.eere.energy.gov/cleancities/financial_opps.html. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.



Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. Both IdleAire and Shorepower Technologies installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/afdc/vehicles/idle_reduction_stations.html.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Lawyers in the Federal Highway Administration interpreted the language to mean that each State would have to adopt that provision. The table below will be updated as States adopt the exemption. URL's are provided so that interested

parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table. Red indicates a new entry compared to the previous month.]

State	Bill	URL	Status
Arkansas			As of April 23, 2007, the Arkansas Highway Police (AHP), a division of the Arkansas Highway and Transportation Department, will accept an APU weighing up to 400 pounds so long as the driver has a written certificate to that effect and the APU is fully functional at all times (AHP Enforcement Policy 07-03-030).



State	Bill	URL	Status
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.
Missouri	HB 488, An Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/billtracking/bills071/bills/hb488.htm	Died in 2007 upon adjournment due to no final vote in the Senate.
New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.
Washington		http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-073	Effective August 30, 2007.
Wisconsin	2007 Wisconsin Act 20	http://www.legis.state.wi.us/statutes/Stat0348.pdf	Effective October 26, 2007



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NATIONAL IDLING REDUCTION NETWORK NEWS

February 2008

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are awarded.	http://www.njmta.org/images/pages/novemberdep.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded	Contact Tom Lattner at tlattner@achd.net or (412) 578-7986
U.S. Environmental Protection Agency (EPA)	Hydraulic Pump/Motor and Advanced Powertrain Support for Development of Advanced Hydraulic Vehicle Technology	Information not yet available	Announcement to be in late February 2008	http://www2.fbo.gov/spg/EPA/OAM/OH/PR-CI-08-10206/listing.html
U.S. Army	Tactical Idle Reduction for Heavy Tactical Vehicles (HTV) Technology Transition Initiative	\$1 million (Phase 1)	Rolling deadlines starting March 3, 2008	http://www.fbo.gov/spg/USA/USAMC/DAAB15/W909MY%2D07%2DR%2D0016/listing.htm <u>1</u> or Jonathan Cristiani at jonathan.cristiani@us.army.mil



Organization	Project	Funding	Deadline	Website
U.S. Department of Agriculture (USDA)	Conservation Innovation Grants – Colorado	\$1 million	March 31, 2008	http://www.co.nrcs.usda.gov/programs/CIG/cig.htm
	Conservation Innovation Grants – Pacific Islands	\$275,000	March 31, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40597
	Conservation Innovation Grants – Kansas	\$200,000	April 8, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40832
	Conservation Innovation Grants – New Jersey	\$220,000	April 9, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40757
California Air Resources Board (CARB)	Carl Moyer Multidistrict Solicitation	\$8.64 million	April 11, 2008	http://www.arb.ca.gov/msprog/moyer/multidistrict.htm
Texas Emissions Reduction Plan (TERP)	Emissions Reduction Incentive Grants	Variable	April 11, 2008	http://www.tceq.state.tx.us/implementation/air/terp/erig_apps.html
USDA	Conservation Innovation Grants – New Mexico	\$240,000	April 15, 2005	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40703
	Conservation Innovation Grants – Montana	\$500,000	April 16, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40835
U.S. Department of Energy (DOE)	FY 08 Vehicle Technologies Program Wide FOA	\$550,000 in FY 2008, and \$7.95 million in out years (subject to availability of funding)	April 22, 2008	https://e-center.doe.gov/iips/faopor.nsf/UNID/6DB1C3B1EC86FA68852573FE00672671/\$file/DE-PS26-08NT01045.pdf



Organization	Project	Funding	Deadline	Website
USDA	Conservation Innovation Grants – Caribbean	\$275,000	April 25, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40745
DOE	Plug-In Hybrid Electric Vehicle (PHEV) Technology Acceleration and Deployment Activity	\$10 million in FY 2008, and \$20 million in out years (subject to availability of funds)	April 30, 2008, for Round 2	http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16298
USDA	Conservation Innovation Grants – Maine	\$100,000	April 25, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40587
	Conservation Innovation Grants – Florida	\$150,000	April 30, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40849
	Conservation Innovation Grants – New York	\$250,000	May 2, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40758
EPA Regions 1 and 2	Northeast Diesel Collaborative	~\$5.4 million	June 12, 2008	http://www.northeastdiesel.org/funding.htm
EPA Region 5	Midwest Clean Diesel Initiative	~\$5 million	June 12, 2008	http://www.epa.gov/midwestcleandiesel/grants/mcdirfp08.html
EPA Region 3	Mid-Atlantic Diesel Collaborative Grants to Reduce Diesel Emissions	\$3.1 million	June 13, 2008	Contact Susan Stephen at Stephenson@marama.org about RFP # EPA-R3APD-08-0201. URL to be posted soon.
TERP	Rebate Grants Program	\$17,628,871 as of February 14, 2008	July 31, 2008	http://www.tceq.state.tx.us/implementation/air/terp/rebate.html



REGULATORY NEWS

EPA Levels \$107,300 Fine for Idling in Bay State

Capitol Waste Services, Inc., an eastern Massachusetts waste hauler, has recently paid an EPA penalty of \$107,300 for exceeding the State idling limit. In 2007, EPA observed pervasive unnecessary idling by Capitol's refuse trucks at Capitol's lot in Revere, which is near a residential area. Massachusetts limits idling to no more than 5 minutes. EPA has the authority to cooperatively regulate idling limits

in Massachusetts and also in Connecticut. More information can be found at

<http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/460f79f8305155b8852573db0062030f!OpenDocument>

and

http://www.fleetowner.com/management/epa_bay_state_hauler_idling_0201/index.html.

Dallas to Restrict Idling during Warm Months

Starting in April 2008, the Dallas City Council will prohibit vehicles weighing more than 14,000 pounds from idling more than 5 minutes during ozone season, which typically occurs from April to October of each year.

City marshals have enforcement authority to issue citations to the driver of the vehicle, and the fines can range up to a maximum of \$500. There are exemptions for certain vehicles, such as military, emergency, law enforcement, airport ground support, those rented or leased to people not employed by the owner, and sleeper berths being used during federally mandated rest periods. Buses are exempt if they are idling for less than 30 minutes while passengers are on board. Exemptions related to operation include traffic conditions, power sources for mechanical operations coming from

trucks' engines, maintenance or diagnostic purposes, defrosting a windshield, and climate control.

The Dallas plan could be followed by cities in nine North Texas counties that are also trying to fight air pollution, according to NBC 5 in Dallas. Information about the idling restriction is posted at seven truck stops in the Dallas area, according to a City Hall briefing prepared by the Office of Environmental Quality. More information is available at <http://www.engineoffdallas.com>, http://www.greendallas.net/air_quality/engineoff.html, <http://www.nbc5i.com/news/15159979/detail.html>, and http://www.landlinemag.com/todays_news/Daily/2008/Mar08/031708/032108-06.htm. Source: Nicole Cooper, City of Dallas Office of Environmental Quality



"Clean Idle" in California May Not Last

According to a report in *Land Line Magazine* of February 8, 2008, CARB may expand its no-idle policy for sleeper berths whose engines meet the 2007 model year and newer standards. Engine manufacturers generally understood that 2008 model year truck engines emitting no more than 30 g/hr of NO_x would be considered "clean idle" as long as other emission did not increase, and drivers in trucks equipped with those engines could therefore idle while in their rest periods. CARB developed the clean idle standard as a way for engine manufacturers to avoid activating engine shutdown software, which would limit idling to 5 minutes, on engine control modules of 2008 model year trucks traveling in California.

At a recent meeting, however, CARB staff announced that it is reconsidering that position. The reason for the possible change in position is that AB 32, which was enacted in 2006, addresses global warming and gives CARB the authority to aggressively reduce CO₂ to 1990 levels by 2020. Most currently enforced truck emission regulations in California were enacted before the State had approved AB 32 in 2006. More information is available at http://www.landlinemag.com/todays_news/Daily/2008/Feb08/020408/020808-07.htm.

Maine Starts Legislation to Reduce Idling

LD 2056, An Act To Conserve Gasoline and Preserve Clean Air, is on the legislative calendar in Maine as State Representative Jon Hink of Portland has proposed a bill to limit idling of commercial motor vehicles. He states that his bill is based on a model law developed by EPA in consultation with truckers and other stakeholders and is designed to achieve the benefits of reduced idling without creating unworkable and unduly burdensome regulations. One distinctive feature of this bill is that it limits the time an owner of a facility, such as a warehouse, can permit idling there.

The Maine Truckers Association testified in favor of the bill, as did witnesses as diverse as the Maine Lung Association, Central Maine Power, the Sierra Club, and Rite Aid. To date, there is no companion bill in the Maine Senate. In last year's session, a similar bill died upon adjournment. More information is available at <http://tchgetting2zero.blogspot.com/2008/02/bill-to-cut-emissions-no-idle-measure.html> and <http://janus.state.me.us/legis/LawMakerWeb/summary.asp?ID=280027560>.

Virginia Passes Anti-Idling Law for Buses

On March 12, 2008, Governor Tim Kaine of Virginia signed into law a bill to restrict idling of buses (but not school buses or transit buses).

§46.2-1224.1 of the Code of Virginia has been modified to reflect that buses will be allowed to idle for 10 [emphasis added] minutes in



counties having a county manager form of government when the bus is unattended, parked, or stopped for other than traffic or maintenance purposes. However, the governing body of any other county, city, or town may by ordinance prohibit idling the engine of a bus for more than 15 [emphasis added] minutes when the bus is parked, left unattended, or is stopped for any reason other than loading a wheelchair-bound passenger, traffic, or maintenance. This bill extends to all counties, cities, and towns the power presently granted to

Arlington County to adopt ordinances limiting bus engine idling. Violators of such ordinance shall be subject to a civil penalty not to exceed \$50, the proceeds from which shall be paid into the locality's general fund. For more information, please go to <http://leg1.state.va.us/cgi-bin/legp504.exe?ses=081&typ=bil&val=hb885er> and <http://www.richmondsunlight.com/bill/2008/hb885/>.

CARB to Dole Out \$1B to Reduce Freight Emissions

Under Proposition 1B, CARB has approved a \$1 billion plan to retrofit or replace truck and locomotive engines that spend a significant amount of time in California. The money will go to specific air-quality districts in the State's most polluted trade corridors. Governor Schwarzenegger has signed the FY 2007-2008 budget, which contains the first installment of \$250 million for this purpose.

Bond monies will go to four major regions for goods movement-related projects affecting the State's trade corridors. Funding targets to each corridor are based on population, goods movement emissions and Federal attainment needs to focus bond monies on the areas most heavily impacted by freight-related pollution. CARB approved the staff recommended allocation of funds as follows:

- \$550 million--Los Angeles/Inland Empire trade corridor(55 percent)
- \$250 million--Central Valley trade corridor(25 percent)
- * \$140 million--Bay Area trade corridor(14 percent)
- * \$60 million--San Diego/Border trade corridor(6 percent)
- *

Since this program looks at the trade corridors as part of a single

goods movement system for California, local agencies administering bond monies will fund projects based on the total emission reductions expected in the entire State, not just in their local area.

Within the approved guidelines, ARB will aim for different funding categories as follows:

- \$400 million--Diesel trucks serving seaports and intermodal rail yards
- \$360 million--Other diesel trucks that haul goods; truck stop or distribution center electrification
- \$100 million--Diesel freight locomotives
- * \$100 million--Shore power for cargo ships; cargo handling equipment used at seaports and intermodal rail yards
- * \$40 million--Commercial harbor craft.
- *

More information is available at <http://www.arb.ca.gov/newsrel/nr022808b.htm>, <http://www.arb.ca.gov/gmbond>, and http://www.landlinemag.com/todays_news/Daily/2008/Feb08/022508/022908-08.htm.



AWARDS AND RECOGNITION

Clean Cities Coalition Recognizes School Bus Idling Reduction Effort

The Valley of the Sun Clean Cities Coalition (Phoenix, Arizona, area) recently presented Steve Owens, Director of the Arizona Department of Environmental Quality (ADEQ) with its Clean Air Champion Award. This award was in recognition of Owens' accomplishments, which

included the School Bus Idle Reduction program. As a result of this program, 75 percent of the Arizona School Districts have signed on to reducing idling emissions at schools and when operating the buses. *Source:* Bill Sheaffer, Valley of the Sun Clean Cities Coalition

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
CARB Statewide Diesel Truck and Bus Regulation and Proposed Greenhouse Gas Measure	Sacramento, Fresno, El Monte and Riverside, San Diego and El Centro, Redding, and Berkeley, California	January 28, 30, 31, February 4, 6, and 11, 2008	http://www.arb.ca.gov/msprog/onrdiesel/workshops.htm
CARB Shore Power Workgroup Meeting	Sacramento, California	February 22, 2008	http://www.arb.ca.gov/ports/shorepower/febpresentation.pdf

NEW PUBLICATIONS OF INTEREST

[Red text indicates a new entry compared to last month.]

Source	Title	Website or Contact
CARB	<i>Recommendations of the Economic and Technology Advancement Advisory Committee (ETAAC) Final Report on Technologies and Policies to Consider for Reducing Green House Gas Emissions in California</i>	http://www.arb.ca.gov/cc/etaac/ETAACFinalReport2-11-08.pdf



Source	Title	Website or Contact
CARB	<i>Draft Health Risk Assessments for the Union Pacific Rail Yards in Oakland, City of Industry, Colton, and ICF and Dolores</i>	http://www.arb.ca.gov/railyard/hra/hra.htm
New Jersey Department of Environmental Protection	<i>Draft Greenhouse Gas Inventory and Reference Case Projections Report</i>	http://www.state.nj.us/globalwarming/home/documents/approved/080219.html
Region 2 University Transportation Research Center	<i>The Retrofit Puzzle: Optimal Fleet Owner Behavior in the Context of Diesel Retrofit Incentive Programs</i>	http://www.utrc2.org/research/assets/130/DieselRetro1.pdf

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
California Energy Commission and CARB Joint Kickoff Workshop on AB 118, Alternative and Renewable Fuel and Vehicle Technology Program and Air Quality Improvement Program	Sacramento, California	April 2, 2008	http://www.arb.ca.gov/msprog/aqip/aqip.htm
Green California Summit and Exposition	Sacramento, California	April 7-9, 2008	http://www.green-technology.org/gcsummit.htm
Public Workshops on CARB Strategic Plan to Assess its Enforcement Program for Diesel Emission Control Regulations	El Monte and Sacramento, California	April 15 and April 25, 2008, respectively	http://www.arb.ca.gov/enf/hhla/meetings/notice.pdf
29th International Bunker Conference	Copenhagen, Denmark	April 23-25, 2008	http://www.bi.no/Content/Article_66414.aspx



Meeting	Location	Date	Website or Contact
Alternative Fuels & Vehicles National Conference + Expo	Las Vegas, Nevada	May 11-14, 2008	http://www.afvi.org/NationalConference2008/
Faster Freight, Cleaner Air Conference	New York City, New York	July 8-9, 2008	http://www.ffcaeastcoast.com/
Plug-In 2008 Conference and Exposition	San José, California	July 22-24, 2008	http://plugin2008.com/
U.S. Department of Energy (DOE) Diesel Engine-Efficiency and Emissions Research Conference	Dearborn, Michigan	August 4-7, 2008	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
24th Annual Clean Air Conference	Boulder, Colorado	September 22-25, 2008	http://www.ncvecs.colostate.edu

MANUFACTURERS' NEWS

Cummins Meets CARB Anti-Idling Requirements, Offers New APU's

Clean Idle Certified mid-range and heavy-duty engines from Cummins will meet 2010 model year EPA emissions regulations. In addition, the heavy-duty ISX, ISM, ISL, ISC, and ISB engines will all meet CARB's idle reduction regulation, which requires automatic shutdowns after idling for 5 minutes. Alternatively, engines can emit 30 g/hr or less of NO_x while idling. Cummins expects that these engines will also have the same fuel economy as the 2007 model year engines.

Cummins plans to use selective catalytic reduction using urea for NO_x aftertreatment in its medium-duty engines. The company's heavy-duty engines will use the XPI high-pressure common rail (HPCR) fuel system, cooled exhaust gas recirculation, advanced electronic controls, and the Cummins particulate filter, which includes both a diesel oxidation catalyst and a diesel particulate filter, to reduce NO_x

to the lowest possible levels. Cummins' 2008 model year on-highway engines now emit less than 30 g/hr of NO_x so they can idle indefinitely.

Cummins also announced two new ComfortGuard auxiliary power units (APU's). These APU's are aimed at CARB idle reduction regulations. The company said the products are available with two options to meet the emissions standards: a stand-alone particulate filter on the ComfortGuard APU engine or an engine installation kit to route the ComfortGuard diesel exhaust gas into the particulate filter. The ComfortGuard APU's feature a 2-cylinder diesel engine and a Cummins alternator, producing 4,000 watts at 120 volts, paying for itself in 18 months or less through saved power, according to Cummins. More information can be found at



<http://www.sae.org/automag/technewsletter/080226TB/02.htm> and
http://www.fleetowner.com/equipment/cummins_plans_carb_regulation_0205/index.html

[ns_0205/index.html](http://www.fleetowner.com/equipment/cummins_plans_carb_regulation_0205/index.html).

RigMaster Now Offers CARB-Compliant APU's

RigMaster Power Corporation now has APU's that are compliant with CARB emissions standards. Its T4 model uses a Tier 4a engine and can be equipped with a diesel particulate filter that is compliant with 2007 model year or new trucks. The unit is awaiting final approval from CARB. The RigMaster T2 model is fitted with a Tier 2 EPA compliant engine and can be installed on pre-2007 model year trucks or those that do not intend to travel to California.

According to RigMaster, both units use a serpentine belt drive to replace the generator and compressor belts in order to reduce maintenance, improve serviceability, and increase the longevity of the APU. The new design also offers drivers improved heating and cooling in the cab and comes factory installed with a quieter muffler designed with multiple exhaust options for greater installation flexibility. More detail is available at http://www.fleetowner.com/equipment/carb_apus_offered_0225/index.html. Source: Amy Ergeter, RigMaster Power Corporation

Webasto Makes a LEaP

A website, <http://www.makealeap.org>, dedicated to idling reduction of all vehicles has been created by Webasto Product North America. "Make a LEaP (Lowering Emissions and Particulates)" contains statistics on idling, visual representation of anti-idling regulations, idling myths, and more.

If your work computer allows you to access YouTube, you might find the following video from Webasto amusing: <http://www.youtube.com/MakeALEaP>. Source: John Thomas, Webasto Product North America



PARKING SPACES FOR TRUCKS

Tom Badgett Retires from IdleAire

IdleAire Technologies Corporation has announced the Tom Badgett, one of its co-founders, has announced his retirement on January 29, 2008, for personal reasons and not any disagreement with the company management or its board of directors. Badgett had served as the company's chief information officer and secretary for nearly 6 years, but he will continue to be available on a day-to-day basis as

part of the transition process until April 14, 2008. His responsibilities are being consolidated under other areas of the company. For more information, please see <http://www.idleaire.com/NewsDetails.asp?id=17> and <http://sec.gov/Archives/edgar/data/1162298/000095013308000325/w47668e8vk.htm>.

IdleAire Reorganizes, Eliminates 40 Positions

According to the February 1, 2008, Knoxville *News-Sentinel*, IdleAire is undergoing a realignment to reduce costs, streamline operations, and move closer to profitability. The company plans to reorganize and consolidate various departments and functions, eliminate 40 positions, and save \$4 million a year. Half of the these positions are currently vacant and will not be filled; the other half are being eliminated, and employees will be offered severance and job placement assistance.

IdleAire is currently in a "quiet period" due to its registration with the U.S. Securities and Exchange Commission (SEC) to file an initial

public offering at some time in the future. As of September 30, 2007, IdleAire's latest quarterly report with the SEC, the company had an accumulated deficit of \$219.7 million. More information is available at <http://www.knoxnews.com/news/2008/feb/01/idleaire-to-eliminate-40-positions/>, <http://sec.gov/Archives/edgar/data/1162298/000095013307004701/w42521e10vq.htm>, and <http://sec.gov/Archives/edgar/data/1162298/000095013308000325/w47668e8vk.htm>

South Carolina Opens 7 New Rest Areas for Commercial Vehicles

By mid-April of this year, the South Carolina Department of Transportation (SCDOT) plans to have seven new rest areas open for truckers. Each paved site will have between 12 and 16 spaces

marked off for commercial vehicles. All the sites will have lighting and fencing although there will be no restrooms.



SCDOT has received \$723,000 from the State's General Fund in 2007-08 to open these rest areas. Funding includes \$637,400 for one-time site preparation and includes \$85,600 annually for electricity, lights, and vegetation maintenance.

SCDOT opened the rest areas to reduce the need for truckers to park on the shoulders of interstate highway interchange ramps and improve public safety. Federal regulations require truck drivers to

have 10 hours off between each driving/on-duty shift, and drivers must remain in the sleeper berth for a minimum of 8 hours. These regulations have placed an increasing demand on available parking facilities. Please see http://www.scdot.org/ArtMan/publish/article_675.shtml and http://www.landlinemag.com/todays_news/Daily/2008/Mar08/030308/030708-11.htm for locations of these rest areas.

SCHOOL BUSES

Espar Receives Rave Reviews from School District

John Dennehy of Espar Products sent us a copy of a letter from Cheryl Dalton, Director of the City Schools Transportation Department in Saratoga Springs, New York, complimenting Espar on how well the E-Guardian 12-kW heater worked in sub-zero weather and after recent ice storms. According to Ms. Dalton, using the heater meant

that the school bus drivers did not have to scrape ice from their buses after an ice storm nor wait to warm up the bus. She is also pleased with the compact size of the device, which she plans to spec for all future purchases of school buses. *Source:* John Dennehy, Espar Products

EQUIPMENT FINANCING

SmartWay to Launch Finance Center for Fuel-Saving and Emission-Reducing Equipment

EPA's SmartWay Transport Partnership has taken its mission to a new level by helping truck owners finance SmartWay-approved equipment that saves fuel and reduces emissions. While the website (www.smartwayfinancecenter.com) for the SmartWay Finance Center is up and running, its official announcement will be at the Mid-American Trucking Show in Louisville, Kentucky, on March 28, 2008.

EPA has contracted with iBank to manage the Finance Center. iBank will use its experience with private-sector lending institutions that understand owner-operators and small fleets to connect applicants with lenders. A standardized application form will be used for all the lenders participating in the program. iBank will act as a facilitator between lenders or lessors and applicants, simplifying the process. Interest rates and acceptance will depend on the applicant's credit



score. An applicant can expect a response in 2-5 business days. In addition to the website, a toll-free number (877-767-8875) will also be available for more information.

Eligible equipment through the Finance Center includes components of the SmartWay Upgrade Kit: diesel oxidation catalysts, diesel particulate filters, aerodynamic fairings, single-wide tires, and APU's.

Fuel-efficient tractors and trailers also fall under the purview of this financing program. More information is at http://www.landlinemag.com/todays_news/Daily/2008/Mar08/031708/032108-08.htm and <http://www.smartwayfinancecenter.com>.

Trucking Company Helps Owner-Operators Lease APU-Equipped Tractors

Texas Star Express, which is based in Rockwall, Texas, has created a 36-month leasing package for owner-operators who want to start their own trucking businesses. Drivers can lease a 2004 Freightliner Columbia equipped with a Thermo King Tri-Pac Hybrid Auxiliary Idle Reduction and Temperature Management System (APU). The tractor comes with a 200,000-mile or 2-year warranty from Freightliner, new tires and brakes; is fully detailed; and is ready to hit the road. Costs are \$440 per week, no money down, no credit check, and 3 years to pay for the lease. One year of business bookkeeping is also included.

According to the company, drivers like the TriPac system, which allows a quieter night sleep, emission regulation compliance, and a significant fuel savings. There is a ½-1 gallon improvement in MPG between TriPac and non-TriPac tractors. While the Tri-Pac part of the lease costs about \$200 per month, fuel savings come to about \$100 a week, which offsets the cost and puts more money into drivers' pockets. The APU can pay for itself within 15-16 months, and lower maintenance costs boost the savings.

Texas Star Express currently has 24 drivers on the lease truck program with TriPac systems and plans to add another 25 in the next 8 months. The first round of tractors was purchased specifically for the program. They hope to begin utilizing company-owned tractors, which would be retrofitted with TriPac systems, for the program as soon as they have a group that reaches the ideal mileage needed to make the lease package affordable.

Currently Texas Star Express runs 300 company-owned Freightliner and Peterbilt tractors and owns 1,280 trailers, the majority of which are Wabash Duraplates. The company has 105 owner-operators on its payroll, but is working towards a 50-50 company driver to owner-operator ratio. Texas Star Express management is hoping its lease truck program will help even that spread, and they currently have a waiting list of drivers interested in this opportunity. More information is at <http://www.layover.com/news/article/enabling-entrepreneurs-12830.html>.



OTHER NEWS OF INTEREST

New Worksheet Available to Guide Idling Reduction Decisions

Fleet Owner magazine has created a new worksheet that will enable fleet managers and others to evaluate a variety of factors in selecting idling reduction equipment. Managers can plug in both tangible (fuel costs, fines for idling) and intangible factors (environmental justice, “green” perception for the company) measured against risks, benefits, and importance. The worksheet is at the end of an article that covers

the big picture of idling costs, the maturing market for idling reduction equipment, regulation, and the role truck manufacturers in integrating the equipment. The article, “Idling: the Payoff” and the worksheet are at

http://www.fleetowner.com/management/specialreport/fleet_idling_payoff/index.html.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

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- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)

- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- **Webasto** (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in January 2008, are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www1.eere.energy.gov/cleancities/financial_opps.html. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.



Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 34 States. Both IdleAire and Shorepower Technologies installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/afdc/vehicles/idle_reduction_stations.html.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors,

National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Lawyers in the Federal Highway Administration interpreted the language to mean that each State would have to adopt that provision. The table below will be updated as States adopt the exemption. URL's are provided so that interested

parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table. Red indicates a new entry compared to the previous month.]

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State	Bill	URL	Status
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.
Missouri	HB 488, An Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/billtracking/bills071/bills/hb488.htm	Died upon adjourned due to no final vote in the Senate.
New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223_APU_weight_allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.
Washington		http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-073	Effective August 30, 2007.
Wisconsin	2007 Wisconsin Act 20	http://www.legis.state.wi.us/statutes/Stat0348.pdf	Effective October 26, 2007



Editor

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tlevinson@anl.gov

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implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof.



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NATIONAL IDLING REDUCTION NETWORK NEWS

January 2008

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are awarded.	http://www.njmta.org/images/pages/novemberdep.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
EPA Region 2	2008 Environmental Quality Awards	N/A	February 22, 2008	http://epa.gov/region02/eqa/
U.S. Department of Agriculture (USDA)	Conservation Innovation Grants – Rhode Island	\$180,000	February 29, 2008	http://www.ri.nrcs.usda.gov/programs/CIG2008.html
EPA	Hydraulic Pump/Motor and Advanced Powertrain Support for Development of Advanced Hydraulic Vehicle Technology	Not yet available	Announcement to be in late February 2008	http://www2.fbo.gov/spg/EPA/OAM/OH/PR-CI-08-10206/listing.html
U.S. Army	Tactical Idle Reduction for Heavy Tactical Vehicles (HTV) Technology Transition Initiative	\$1 million (Phase 1)	Rolling deadlines starting March 3, 2008	http://www.fbo.gov/spg/USA/USAMC/DAAB15/W909MY%2D07%2DR%2D0016/listing.htm <u>1</u> or Jonathan Cristiani at jonathan.cristiani@us.army.mil



Organization	Project	Funding	Deadline	Website
USDA	Conservation Innovation Grants – Colorado	\$1 million	March 31, 2008	http://www07.grants.gov/search/search.do and insert USDA-NRCS-CO-08-01 in the box for the Funding Opportunity Number
Texas Emissions Reduction Plan (TERP)	Emissions Reduction Incentive Grants	Variable	April 11, 2008	http://www.tceq.state.tx.us/implementation/air/terp/erig_apps.html
U.S. Department of Energy (DOE)	Plug-In Hybrid Electric Vehicle (PHEV) Technology Acceleration and Deployment Activity	\$10 million in FY 2008, and \$20 million in out years (subject to availability of funds)	April 30, 2008, for Round 2	http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16298
USDA	Conservation Innovation Grants – Maine	\$100,000	April 25, 2008	http://www07.grants.gov/search/search.do?mode=VIEW&oppld=40587
TERP	Rebate Grants Program	\$17,628,871 as of February 14, 2008	July 31, 2008	http://www.tceq.state.tx.us/implementation/air/terp/rebate.html

PRESENTATIONS FROM MEETINGS

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Meeting	Location	Date	Website or Contact
CARB Board Meeting	Sacramento, California	December 6-7, 2007	http://www.arb.ca.gov/board/ma/2007/ma120607.htm



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EPA Diesel Retrofit Technology Verification Workshop	Washington, D.C.	December 13, 2007	http://epa.gov/otaq/retrofit/wkshp-agendum-20071213.htm
CARB Statewide Diesel Truck and Bus Regulation and Proposed Greenhouse Gas Measure	Sacramento, Fresno, El Monte and Riverside, San Diego and El Centro, Redding, and Berkeley, California	January 28, 30, 31, February 4, 6, and 11, 2008	http://www.arb.ca.gov/msprog/onrdiesel/workshops.htm

UPCOMING MEETINGS AND EVENTS

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Clean Heavy-Duty Vehicle Conference	San Diego, California	February 20-22, 2008	http://www.calstart.org/programs/chdvc/2008index.php?p=programs
CARB Shore Power Workgroup Meeting	Sacramento, California	February 22, 2008	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
Faster Freight, Cleaner Air Conference	Los Angeles, California	February 25-27, 2008	http://www.fccalifornia.com
CARB Board Meeting	Sacramento, California	February 28, 2008	http://www.arb.ca.gov/board/ma/2008/ma022808.htm
Data for Goods Movement Impacts on Air Quality Workshop	Irvine, California	March 17-18, 2008	http://www.trb.org/conferences/2008/GoodsMovement
Alternative Fuels & Vehicles National Conference + Expo	Las Vegas, Nevada	May 11-14, 2008	http://www.afvi.org/NationalConference2008/
Faster Freight, Cleaner Air Conference	New York City, New York	July 8-9, 2008	http://www.fcaeastcoast.com/
Plug-In 2008 Conference and Exposition	San José, California	July 22-24, 2008	http://plugin2008.com/



Meeting	Location	Date	Website or Contact
U.S. Department of Energy (DOE) Diesel Engine-Efficiency and Emissions Research Conference	Dearborn, Michigan	August 4-7, 2008	Gurpreet Singh at (202) 586-2333 or gurpreet.singh@ee.doe.gov

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- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)



- Natural Resources Canada
(<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
 - Teleflex APU's
(http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
 - Teleflex auxiliary heaters
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State	Bill	URL	Status
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New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223_APU_weight_allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.
Washington		http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-073	Effective August 30, 2007.

Editor

Terry Levinson, Argonne National Laboratory, (202) 488-2472, tlevinson@anl.gov

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December 2007

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Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16298
Tennessee Department of Transportation (TDOT)	Locomotive Diesel Retrofit	\$500,000	January 31, 2008	http://www.tennessee.gov/tdot/cmaq
U.S. Department of Energy (DOE)	Plug-In Hybrid Electric Vehicle (PHEV) Technology Acceleration and Deployment Activity	\$10 million in FY 2008, and \$20 million in out years (subject to availability of funds)	February 13, 2008, for Round 1 and April 30, 2008, for Round 2	http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16298
EPA Region 9	West Coast Diesel Collaborative Innovations in Clean Diesel	\$500,000	February 15, 2008	http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16214



Organization	Project	Funding	Deadline	Website
Federal Highway Administration (FHWA)	Broad Agency Announcement for Transportation Planning Cooperative Research	\$700,000	Pre-proposals are required and are due February 15, 2008, with final proposals by invitation.	http://www2.fbo.gov/spg/DOT/FHWA/OAM/DTFH61%2D08%2DR%2D00011/listing.html
TDOT	Road Construction Diesel Retrofit	\$500,000	February 15, 2008 15, 2008	http://www.tennessee.gov/tdot/cmaq
EPA Region 2	2008 Environmental Quality Awards	N/A	February 22, 2008	http://epa.gov/region02/eqa/

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CARB Economic and Technology Advancement Advisory Committee (ETAAC) Meeting	Sacramento, California	January 25, 2008	http://www.arb.ca.gov/cc/etaac/012508pubmeet/012508pubs.htm
9 th Annual Advancing the Choice Expo	Temecula, California	February 6, 2008	Please contact Barbara Spoonhour at spoonhour@wrcog.cog.ca.us or (951) 955-8313
Pennsylvania Environmental Quality Board Public Hearings on Proposed Rulemaking	Allentown, Harrisburg, and Pittsburgh, Pennsylvania	February 12, 13, and 15, 2008, respectively	http://www.pabulletin.com/secure/data/vol38/38-2/45.html
Society of Automotive Engineers 2008 Hybrid Vehicle Technologies Symposium	San Diego, California	February 13-14, 2008	http://www.sae.org/events/training/symposia/hybrid
Clean Heavy-Duty Vehicle Conference	San Diego, California	February 20-22, 2008	http://www.calstart.org/programs/chdvc/2008index.php?p=programs
Faster Freight, Cleaner Air Conference	Los Angeles, California	February 25-27, 2008	http://www.fccalifornia.com
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Faster Freight, Cleaner Air Conference	New York City, New York	July 8-9, 2008	http://www.fcaeastcoast.com/
Plug-In 2008 Conference and Exposition	San José, California	July 22-24, 2008	http://plugin2008.com/



NEW PUBLICATIONS OF INTEREST

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Source	Title	Website or Contact
CARB ETAAC	<i>ETAAC Discussion Draft</i>	http://www.arb.ca.gov/cc/etaac/012508pubmeet/012508pubs.htm

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(<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)



- Natural Resources Canada
(<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
 - Teleflex APU's
(http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
 - Teleflex auxiliary heaters
(http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
 - Thermo King (<http://www.thermoking.com/tripac/>)
-

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in August 2007, are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South

Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/afdc/vehicles/idle_reduction_stations.html.



The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the

location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Lawyers in the Federal Highway Administration interpreted the language to mean that each State would have to adopt that provision. The table below will be updated as States adopt the exemption. URL's are provided so that interested

parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table. Red indicates a new entry compared to the previous month.]

State	Bill	URL	Status
Arkansas			As of April 23, 2007, the Arkansas Highway Police (AHP), a division of the Arkansas Highway and Transportation Department, will accept an APU weighing up to 400 pounds so long as the driver has a written certificate to that effect and the APU is fully functional at all times (AHP Enforcement Policy 07-03-030).
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.



State	Bill	URL	Status
Missouri	HB 488, An Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/bills071/biltxt/perf/HB0488P.HTM	Died upon adjourned due to no final vote in the Senate.
New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/ session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223_APU_weight_allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.
Washington		http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-073	Effective August 30, 2007.

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NATIONAL IDLING REDUCTION NETWORK NEWS

November 2007

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are awarded.	http://www.njmta.org/images/pages/novemberdep.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
Baltimore (Maryland) Regional Transportation Board (BRTB)	FY 2008 BRTB Competitive Selection Process for Congestion Mitigation and Air Quality Improvement Program Funding	\$1 million	December 28, 2007	http://www.baltometro.org/content/view/922
U.S. Environmental Protection Agency (EPA)	State Innovation Grants	\$1.4 million	January 3, 2008	http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/E7-22755.htm
Society of Automotive Engineers (SAE)	2008 SAE Barry D. McNutt Award for Excellence in Automotive Policy Analysis	N/A	January 15, 2008	http://www.sae.org/news/awards/list/mcnutt/
EPA Region 9	West Coast Diesel Collaborative Innovations in Clean Diesel	\$500,000	February 15, 2008	http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16214



Organization	Project	Funding	Deadline	Website
Federal Highway Administration (FHWA)	Broad Agency Announcement for Transportation Planning Co-operative Research	\$700,000	Pre-proposals are required and are due February 15, 2008, with final proposals by invitation.	http://www2.fbo.gov/spg/DOT/FHWA/OAM/DTFH61%2D08%2DR%2D00011/listing.html

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
California Air Resources Board (CARB) On-Road Heavy-Duty Diesel Vehicles Public Workshop	Redding, San Diego, Sacramento, Fresno, El Monte, and Oakland, California	October 18, 19, 22, 23, 24, 25, 2007, respectively	http://www.arb.ca.gov/msprog/onrdiesel/documents/071017_Truck_%20Reg_Workshop.pdf
CARB Workshop on Proposed At-Berth Ocean-Going Vessels Regulation	Sacramento, California	November 9, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
CARB Climate Change Scoping Plan Public Workshop	Diamond Bar, California	November 30, 2007	http://www.arb.ca.gov/app/calendar/cal_wksp.php
CARB Board Meeting	Sacramento, California	December 6-7, 2007	http://www.arb.ca.gov/board/ma/2007/ma120607.htm



REGULATORY NEWS

Pennsylvania Approves New Draft Idling Regulation for Public Comment

A petition from the Clean Air Board of Central Pennsylvania to the Environmental Quality Board (EQB), an independent board of the Pennsylvania State government, has resulted in a new proposed regulation that would limit idling of heavy-duty trucks Statewide to no more than 5 minutes in a 60-minute period. Other vehicles falling under the purview of this draft regulation would be many delivery trucks, school buses, transit buses, and motor coaches.

The Pennsylvania Department of Environmental Protection (DEP) estimates that 13,000 long-haul trucks idle in Pennsylvania each day. If each of these trucks used alternative means to provide drivers with power during rest periods, fuel use would be cut by more than 20 million gallons a year. If the regulation is enacted in its present form, DEP says that by 2010 annual emissions of NO_x would be reduced by about 1,610 tons, volatile organic compounds by about 45 tons, and particulate matter by about 30 tons, assuming that idling would be reduced by about half.

There are several exemptions included in the proposed anti-idling measure, such as allowing a vehicle with a sleeper compartment to idle when the outside temperature is below 40°F or above 75° F if stationary idling reduction technology is not available. This exemption would expire on May 1, 2010. Other exemptions, which include those contained in EPA's Model State Idling Law, would allow idling for ac-

tive loading or unloading of passengers or property, operating work-related mechanical or electrical operations other than propulsion, and maintenance, repairs, or inspections for safety-related issues. In addition, passenger and school buses would be allowed to idle for up to 15 minutes during a 60-minute period to provide heating or cooling when non-driver passengers are on board.

The EQB will accept public comment on this proposed regulation for 60 days following the regulation's publication, which is expected in January 2008, in the *Pennsylvania Bulletin*. There will also be three public hearings on the proposal.

Because of its extensive interstate highway system, there is a heavy volume of truck travel in Pennsylvania. The Commonwealth has some 260 truck stops, 47 public rest areas, and more than 13,000 truck parking spaces, which provide many convenient areas for heavy-duty diesel vehicles to idle during federally mandated rest periods and at other times.

More information is available at
<http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4796>
and
<http://www.cumberlandlink.com/articles/2007/10/17/news/news836.txt>.
Source: Arleen Shulman, Pennsylvania DEP



Stepped-Up Enforcement Means Cleaner Outdoor Air in NYC

The New York State Department of Environmental Conservation (NYSDEC) is working with government agencies in New York City (NYC) to clean up outdoor air in East Harlem, a neighborhood that suffers from high asthma rates. The “Stop Smoking Initiative for Trucks and Boilers” has led to enforcement of anti-idling regulations in this area, along with identifying polluting boilers.

NYSDEC law enforcement officers have been pulling over diesel trucks and issuing tickets to those that fail to comply with State emissions standards on emissions. As of mid-November, a targeted sweep pulled over 311 trucks for inspection, and 110 trucks were found to be in violation of State air-quality regulations. NYSDEC estimates that at least 25 percent of the trucks going through this neighborhood violate air-quality standards, and there are thousands of trucks that pass through East Harlem each day.

As a second part of the initiative, NYSDEC officers have been patrolling the neighborhood issuing tickets for trucks or buses illegally idling. The Department intends to work with fleet owners to get them to correct these problems. Besides ticketing, NYSDEC has placed an air monitoring unit on the grounds of Metropolitan Hospital to monitor the air in the area for 2 months.

NYC Department of Environmental Protection inspectors have been issuing tickets for boilers found emitting black smoke and polluting the neighborhood and for illegally idling trucks. Promoting compliance with the city’s strict 3-minute limit on idling vehicles is a component of PlaNYC 2030, which includes 14 separate clean air initiatives.

For more information, please go to <http://www.dec.ny.gov/press/39797.html>. Source: Joe Tario, New York State Energy Research and Development Authority

Little Rock Talks about Anti-Idling Regulations

Anti-idling was on the agenda for a recent meeting of the Metroplan Board of Directors in Little Rock, Arkansas. The board is made up of city and county officials in the Little Rock area. According to a television news report, the directors discussed the possibility of having anti-idling regulations that would pertain to tractor-trailers, trains, and school buses. While there was no action taken, the report said that

consensus was that anti-idling should be dealt with at the Federal level and enforced at that level. A representative of the Arkansas Trucking Association brought up the point that a patchwork of regulations across the country would cause problems in keeping drivers informed about the differences among the laws. Please go to <http://www.katv.com/news/stories/1107/476673.html>.



California Moves to Mandate SmartWay Upgrade Kit Trucks by 2010, No-Idle Engine

CARB has added heavy-duty trucks and ocean-going vessels to the list of “early measures” to help meet the State’s goal of reducing greenhouse gas emissions by 25 percent by 2020 as required by the Global Warming Solutions Act (AB 32). The newly approved measures include:

- SmartWay truck efficiency: The measure would require existing trucks and trailers to be retrofitted with devices that incorporate the SmartWay Upgrade Kit (aerodynamic drag features, diesel oxidation catalyst, single wide tires, diesel particulate filter, and auxiliary power unit (APU)), which CARB says would reduce 1.3 million metric ton reductions in greenhouse gas equivalents as well as reducing fuel consumption.
- Port electrification: This measure would require docked ships to shut off auxiliary engines by plugging into shoreside electrical outlets. Already offered as a NO_x and diesel PM reduction effort used at the Ports of Long Beach/Los Angeles and Oakland, this project will also reduce greenhouse gas emissions by 500,000 metric tons every year, according to CARB.

The Golden State is also requiring that truck engines manufactured for model year 2008 and later have a shutoff function activated unless they meet a new standard of emitting no more than 30 grams of NO_x per hour while idling. Engines already have the capability to have the shutoff function activated, but California’s rule makes their activation mandatory for any truck that enters the State. State law also prohibits the shutoff functions from being manipulated at any time by the driver. According to the Engine Manufacturers Association, engine manufacturers are working diligently to have engines certified to this clean standard.

Sources for this article include <http://www.dieselforum.org/news-center/diesel-direct-newsletter/diesel-direct-october-31-2007>, http://www.landlinemag.com/Special_Reports/2007/Nov07/111507_California_engine.htm and <http://www.arb.ca.gov/msprog/cabcomf/cabcomf.htm>.

If You Drive a Truck in California, CARB Wants Your Opinion

As part of its effort to gather information before a proposed regulation goes into place next year, companies and individuals who own or lease any diesel-powered truck, bus, pickup or other vehicle for 12 months or more are being asked to fill out a questionnaire at http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel_new.htm. The purpose of the survey is to better understand the age and use of diesel vehicles in different operational modes, such as long-haul, local delivery, and other types of operations. Those persons wishing to keep the information confidential may do so by checking a box on the form.

The data from the survey tie into a rule that could go into place in mid-2008. The first phase of the rule would require that all trucks with 1997 and older engines to become compliant with 2007 emissions by December 31, 2010. Trucks with model-year engines from 1998 through 2002 would have to be compliant by 2011; 2003 and 2004 engines, by 2012; and 2005 and newer, by 2013. The second phase of the proposed rule would require truck engines to meet or exceed emissions standards of 2010 model year engines. The 2003 engines would have to meet the standard by December 31, 2017; 2004



through 2006 engines, by 2018; 2007 engines, by 2019; 2008 engines, by 2020; and 2009 engines, by 2021. More information can be found at

http://www.arb.ca.gov/msprog/onrdiesel/onroad_survey/index.php
http://www.landlinemag.com/todays_news/Daily/2007/Nov07/111907/111907-05.htm.

Baby, It's Cold outside in Alberta as Jasper Bans Idling

According to the *Edmonton* (Alberta, Canada) *Journal*, Jasper has become one of the few Alberta municipalities with an anti-idling bylaw that not only applies to cars and trucks, but also severely limits the number of exemptions. Jasper has about 4,600 people and is located in Jasper National Park. The law, which took effect on November 1, 2007, would permit idling only when the vehicle is stationary and



working; "working" is defined as waiting at a traffic or railroad signal, defrosting the windshield, handling police or other emergencies, or doing construction jobs. Originally, the law had a 2-minute limit, but the municipal government decided against that as being too difficult to enforce.

The fine for violations would be Can\$100; there have been a number of warnings while the city focuses on pub-

lic education. There is also an effort to push for similar rules to cover the rest of nearby Jasper National Park and trains that idle while sitting on sidings.

In other parts of Canada, more than 20 Ontario municipalities have idling bylaws, while Montreal and Vancouver use regulations on noise or nuisances to curtail the practice. Idling is also restricted in Hinton, Alberta. Last May, Edmonton rejected calls to introduce a similar bylaw, saying many residents oppose such legislation and it would be difficult to administer. However, officials are considering a Can\$140,000 campaign in the 2008 budget aimed at convincing people to voluntarily turn off their vehicles when they are not moving. More information can be found at <http://www.canada.com/edmontonjournal/story.html?id=9edbb328-7ddc-4b42-b617-706d960fbaa4&k=85136> and http://www.jasper-alberta.com/pdf/By_Laws/095_Idling_Bylaw.pdf.

AWARDS AND RECOGNITION

SmartWay Makes 34 Environmental Excellence Awards

EPA's SmartWay Transport Partnership recognized 34 businesses and organizations with its second annual SmartWay Excellence

Awards for environmental leadership in reducing fuel consumption and lowering emissions of greenhouse gases. The awards were pre-



sented on October 23, 2007, during the annual conference of the Council of Supply Chain Management Professionals in Philadelphia. This year's recipients have integrated a broad range of innovative fuel-saving strategies and technologies into their freight and fleet operations, leading to reduced energy consumption and cleaner air. Improvements include installation of APU's, which eliminate the need to idle an engine all night to heat or cool the cab while a driver sleeps.

Because of 3-year commitments to upgrade their trucks with APU's, energy efficient tires, enhanced trailer aerodynamics, and other improvements, SmartWay partners are saving 600 million gallons of die-

sel fuel -- a cost benefit of almost \$2 billion -- and eliminating nearly 7 million metric tons of CO₂ emissions that contribute to global warming.

EPA launched SmartWay in 2004 to address the environmental and economic challenges surrounding growth in the freight industry. Through the program, EPA is now working with more than 600 businesses to improve both their bottom line and the environment by offering technical assistance, tools for evaluating opportunities to lower fuel use and emissions, and help in locating financing for the purchase of fuel-saving equipment and technology. More information is available at <http://www.epa.gov/smartway/awards07.htm>.

Award Category	Business or Organization	Location
Carriers	Contract Freighters (CFI)	Joplin, Missouri
	CSX Transportation	Jacksonville, Florida
	John Christner Trucking	Sapulpa, Oklahoma
	Knight Transportation	Phoenix, Arizona
	Langford	St. Cloud, Minnesota
	Meijer	Grand Rapids, Michigan
	Metropolitan Trucking	Paterson, New Jersey
	Orlicks	Calgary, Alberta
	P.A.M. Transportation Services	Tontitown, Arkansas
	Quad/Graphics	Sussex, Wisconsin
	Roehl Transport	Marshfield, Wisconsin
	Schneider National	Green Bay, Wisconsin
	Smithfield Transportation Company	Smithfield, Virginia
	Swift Transportation Company	Phoenix, Arizona
	TransAm Trucking	Olathe, Kansas
	Wal-Mart	Bentonville, Arkansas



Award Category	Business or Organization	Location
Shippers	IBM Corporation	Armonk, New York
	Johnson & Johnson Sales & Logistics Company	North Brunswick, New Jersey
	JCPenney	Plano, Texas
	Kimberly-Clark Corporation	Knoxville, Tennessee
	Lowe's Companies	North Wilkesboro, North Carolina
	Michelin North America	Greenville, South Carolina
	Office Depot	Delray Beach, Florida
	Sharp Electronics	Mahwah, New Jersey
	Steris Corporation	Mentor, Ohio
Logistics Companies	Alliance Shippers	Englewood Cliffs, New Jersey
	Exel	Westerville, Ohio
	Limited Brands	Columbus, Ohio
	National Logistics Management	Detroit, Michigan
Affiliates	4 State Trucks	Joplin, Missouri
	American Trucking Associations	Alexandria, Virginia
	Cascade Sierra Solutions	Coburg, Oregon
	North Central Texas Council of Governments	Arlington, Texas
	Superior Financial Group	Walnut Creek, California

South Shore Clean Cities among Winners of EPA Region 5 Award

EPA Region 5's Midwest Clean Diesel Initiative Leadership Group recognized groups and individuals who had taken actions to reduce diesel emissions in that region. One of the four award recipients, the South Shore Clean Cities Inc. of St. John, Indiana, was recognized for its work on retrofitting school buses, organizing and contributing to more than 30 outreach events on diesel emissions, and creating a web site and an anti-idling print, radio, and web campaign that reached thousands of Indiana residents. The Hamilton County Department of Environmental Services received an award for its retrofit-

ting of 265 school buses, with a goal of 800 in all. Recognition went to Marten Transport Limited, which has installed 800 APU's on its fleet of 2,200 vehicles and plans to retrofit the entire fleet to save more than 4 million gallons of fuel a year. A special recognition award was made to the Ohio Environmental Council for its work with school districts across Ohio to retrofit, refuel, repower, and replace school buses and idling reduction projects. More information is available at <http://www.epa.gov/midwestcleandiesel/leadershipgroup/lqawards.html>. Source: Anthony Maietta, EPA Region 5



Carrier Receives EPA Recognition for Ozone Protection

At a ceremony in Montreal (Quebec, Canada) in October 2007, EPA honored Carrier Corporation with its Best-of-the-Best Stratospheric Ozone Protection award in recognition of Carrier's achievement in not using ozone-depleting chemical refrigerants. In 1994, Carrier claims to have been the first company to phase out chlorofluorohydrocarbons (CFC's) from air-conditioning (AC) systems worldwide, 2 years ahead of the requirements in the United States.

Carrier's Transicold unit, which manufactures the Deltek™ hybrid diesel-electric refrigeration technology, employs a sealed refrigeration

circuit that requires only half the refrigerant of conventional equipment, and the ComfortPro™ APU. Both systems use non-ozone depleting R-134a. Please go to http://www.epa.gov/Ozone/awards/bestofthebest/2007_botb_winners.html and http://www.trucktrailer.carrier.com/generic/0,2804,CL11_DIV7_ETI9198,00.html for more information. Source: Thomas Cunningham for Carrier Transicold

Truckers Again Come Out as Big Winners in Small Business Advantage Grants Program

The Pennsylvania DEP Small Business Advantage Grants has become an excellent source of matching funds for trucking companies and independent operators to purchase APU's for their trucks. This latest round of funding has provided \$144,100 to upgrade 29 trucks.

This DEP program offers a 50-percent match of up to \$7,500 for equipment or processes that reduce energy consumption, promote pollution prevention, and increase profitability. All in all, 137 small businesses in Pennsylvania will receive a total of \$821,000 in this funding round. Since the launch of the Small Business Advantage Grants in July 2004, almost \$3.5 million has been awarded to 662 businesses across the Commonwealth.

The Small Business Advantage Grant Program is open to small business owners whose business or facility is located in Pennsylvania. An

eligible applicant must be a for-profit business enterprise that is a corporation, limited liability company, partnership, sole proprietorship or other legal entity that has no more than 100 employees and is a separate legal business entity at the time the application is submitted. Applicants may be manufacturers or service providers.

For more information, visit www.depweb.state.pa.us, keyword: Small Business Advantage Grant Program. Press releases on these grants are at <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4837&vArQueryType=Detail> and <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4873>.



UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
Carl Moyer Program Advisory Group Meeting	Sacramento, California	January 9, 2008	http://www.arb.ca.gov/app/calendar/cal_wksp.php
87 th Annual Transportation Research Board Meeting	Washington, D.C.	January 13-17, 2008	http://www.trb.org/news/blurb_detail.asp?id=8181
CARB Climate Change Scoping Plan Alternative Mechanisms Workshop	TBD	January 16, 2008	http://www.arb.ca.gov/app/calendar/cal_wksp.php
CARB Board Meeting	Sacramento, California	January 24-25, 2008	http://www.arb.ca.gov/bonds/schoolbus/schoolbus.htm
9th Annual Advancing the Choice Expo	Temecula, California	February 6, 2008	Please contact Barbara Spoonhour at spoonhour@wrcog.cog.ca.us or (951) 955-8313
SAE 2008 Hybrid Vehicle Technologies Symposium	San Diego, California	February 13-14, 2008	http://www.sae.org/events/training/symposia/hybrid
Clean Heavy-Duty Vehicle Conference	San Diego, California	February 20-22, 2008	http://www.calstart.org/programs/chdvc/2008index.php?p=programs
Faster Freight, Cleaner Air	Los Angeles, California	February 25-27, 2008	http://www.fccalifornia.com
Alternative Fuels & Vehicles National Conference + Expo	Las Vegas, Nevada	May 11-14, 2008	http://www.afvi.org/NationalConference2008/

NEW PUBLICATIONS OF INTEREST

[Red text indicates a new entry compared to last month.]

Source	Title	Website or Contact
American Transportation Research Institute	<i>Critical Issues in the Trucking Industry – 2007</i>	http://www.atri-online.org



Source	Title	Website or Contact
CARB	<i>Economic and Technology Advancement for California Climate Solutions</i>	http://www.arb.ca.gov/cc/etaac/etaac.htm
	<i>Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California Recommended for Board Consideration</i>	http://www.arb.ca.gov/cc/ccea/ccea.htm
	<i>Railyard Health Risk Assessments</i>	http://www.arb.ca.gov/railyard/hra/hra.htm
EPA	<i>The Magic School Bus Gets Cleaned Up</i>	http://www.epa.gov/cleanschoolbus/msb-book.htm
National Renewable Energy Laboratory	<i>Clean Cities Annual Metrics Report 2006</i>	http://www.nrel.gov/docs/fy07osti/41753.pdf
Port of Seattle	<i>Northwest Ports Clean Air Strategy</i>	www.portseattle.org/downloads/community/environment/NWCleanAirStrat_20071.pdf
U.S. Internal Revenue Service (IRS)	<i>Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users, §11144 – Idling Report</i>	Please contact Reuben Robinson, IRS, at reuben.a.robinson@irs.gov for a copy.

ELECTRIFIED PARKING SPACES

CabAire Opens Automated Truck Stop Systems in Connecticut

There is a new entrant in the field of electrified parking spaces. CabAire LLC, the sales and marketing arm of Control Module, has developed an automated truck stop system that offers a modular suite of technology that adapts to the facilities' specific lot sizes and does not require overhead booms, office trailers, or round-the-clock, on-site personnel. The company claims that the system offers such advantages as increasing the revenue for the truck stop owner, improving



efficiency of the truck driver, and reducing labor costs, diesel idling, engine noise, and light pollution at the truck stop.

The CabAire Idle Reduction Service Towers can provide service to one or two trucks at the same time and allow for either back-in or nose-in parking. The towers are



equipped with ultraviolet-treated air for heating, cooling, and dehumidification. There are two 120-V outlets and cable and internet service. CabAire also offers light-emitting diode (LED) lighting for the parking lot that is designed to minimize light pollution; as a result, there is a “park-like” setting that is less disturbing to the area abutting the truck stop.

The company’s first installation, which opened in November 2007, is at the new American Auto Stop, formerly the Tinaco Plaza, in North

Stonington, Connecticut, at Exit 93 of Interstate 95, the Connecticut Turnpike. The project was self-funded by James Bianco, Chief Executive Officer and President of CabAire. At the present time, drivers are not being charged; however, occupancy has ranged from 5 to 20 percent of the spaces. More information is available at <http://www.cabaire.com> and <http://www.nhcleancities.org/presentations/cabaire.pdf>. Source: Daniel Shanahan, CabAire

Rest Stops in Japan Provide AC for Trucks

According to the English version of the *Asahi Shimbun*, truckers can now stay cool since mid-October at several truck stops in Japan by plugging into 50 electricity dispensers at rest stations in Kanagawa, Saitama, Shizuoka, Shiga, Osaka, Fukuoka, and Saga prefectures. Each dispenser is capable of providing power to 100 trucks.

Tokyo Electric Power Company (TEPCO) and Hino Motors Limited are developers of the system, which can reduce CO₂ emissions from a large truck by 98 percent. TEPCO plans for the units to be installed at other rest areas along expressways, at fueling stations, and at factories. With the new power-supply system, drivers get the added bonus of a rest without the noise, vibrations, or exhaust from idling engines, according to the companies.

To use the new system, truck drivers must buy an AC unit, which would be installed on the roof, and electric cables, which together cost about 300,000 ¥ (roughly US\$2,648). The dedicated AC unit is designed only for cooling, but the power-supply system allows drivers to use electric blankets or other heating devices when it is cold.

To use the system, truck drivers must sign a contract with TEPCO and receive an identification card, which is placed over a reader device of the dispenser unit. The monthly fee is 1,050 ¥ (\$9.25), including tax, and 72 ¥ (64¢) is charged additionally for each hour of electricity supply. TEPCO said the hourly fee is less than half of the 187 ¥ (\$1.65) required for the diesel fuel that a large truck consumes in 1 hour while idling its engine and running its AC system. More information is at <http://www.asahi.com/english/Herald-asahi/TKY200711170092.html>.



FINANCING

OOIDA Now Offers Financing for Generators, APU's

As a result of member requests, the Owner-Operator Independent Drivers Association (OOIDA) is offering financing through its Finance Department for generators and APU's. Having this financing available can help drivers with what can be high, up-front costs of this idling reduction equipment. More States and localities are putting anti-idling laws in place, and OOIDA is responding to its members' requests for paying for devices to help avoid fines while keeping comfortable.

Rates on the loans range from 8.36 to 10.36 percent and cover the actual costs of the unit and its installation. While there is a set dollar limit on the amount that can be financed, the program does allow financing from 12 to 60 months with no penalties for paying off the loan early. More information is available at http://www.landlinemag.com/todays_news/Daily/2007/Oct07/102207/102607-03.htm or by calling OOIDA at (800) 444-5791 and asking for the Truck Finance Department. *Source:* Linda Gaines, Argonne National Laboratory

Virginia Port Authority Partners with SmartWay for Low-Cost Financing

Truckers in the Norfolk, Virginia, area are now eligible to participate in a pilot program launched by the Virginia Port Authority and the EPA SmartWay Transport Partnership. The new program offers low-cost financing to purchase diesel trucks with more emission efficient engines or to retrofit older models for efficiency. It also brings together lenders and truck dealers to help truckers buy APU's, single wide-based tires, and improved aerodynamic tractors and trailers, which are some of the components of the SmartWay Upgrade Kit. Truck owners who participate in this program are likely to save between \$100 and \$200 per month on their loan payments while also improving their fuel economy and reducing emissions

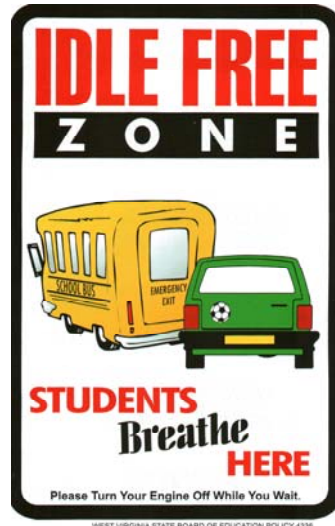
Partners in the Norfolk area include the Virginia Port Authority, BB&T Bank, Resource Bank, Community Development Transportation Lending Services, Norfolk Truck Center, and Virginia Truck Center. EPA is working with other port authorities to eventually expand the program nationwide, with an overall goal of reducing emissions from millions of existing diesel engines. More information about this partnership is at <http://yosemite.epa.gov/opa/admpress.nsf/eebfaebc1afd883d85257355005afd19/ff9377a9ec8d159185257369004f730b!OpenDocument>.



SCHOOL BUSES

Wheeling Area Schools Establish "Idle-Free" Zones

Parents and school bus drivers in Ohio County (West Virginia) Schools are being asked to turn off their engines when they pick up and drop off students. The West Virginia State Board of Education (BOE) has implemented a new policy (WV BOE 4336) that calls for minimizing idling as an effective and immediate way to reduce diesel emissions. The policy protects indoor health and saves money on fuel and maintenance for school buses in the Wheeling area while improving air quality. "Idle Free Zone" signs are now being installed at all Ohio County schools, which the West Virginia Department of Environmental Protection



has made available at no cost to the school systems. A total of 30 signs will be going up at each school in the county.

During the cold weather month, drivers are supposed to limit their idling to 5 minutes. However, when temperatures are at 40°F or below, drivers are permitted to idle, as necessary, to defrost windows and to keep passengers comfortable. Parents are being urged to shut down their own vehicles in normal weather.

Every bus in the county is using ultra-low diesel fuel and low-ash oil. New buses are equipped with diesel oxidation catalysts and diesel particulate filters. Please see <http://www.theintelligencer.net/page/content.detail/id/501578.html?nav=510&showlayout=0> and <http://www.wvdep.org/alt.cfm?asid=151> for more information.

School Buses in Michigan Get Truck Cab Heaters

WJRT in Fenton, Michigan, reports that nine school buses in the Swartz Creek School District are using Webasto heaters to keep the buses warm while the engine is turned off. The heater costs about \$2,000 and can go on any vehicle that does a lot of idling. The School District has found that the payback is normally less than a

year. The TV station notes that EPA figures show 668 barrels of diesel fuel are wasted every day by idling school buses in Michigan. Further information is available at <http://abclocal.go.com/wjrt/story?section=local&id=5714131>.



MANUFACTURERS NEWS

More Cab Comfort Systems Meet California Regs

As of January 1, 2008, sleeper cabs will not longer be exempt from idling regulations in California. In order to meet that regulatory requirement, Kenworth and Webasto have joined Cummins, Dometic, Espar, and RigMaster in offering diesel-fueled APU's, battery-powered APU's (which are already exempt as they have no internal combustion engines), or diesel-fired heaters. As of that date, new trucks must have a tamper-proof, non-programmable automatic shut-down system that prevents trucks from idling more than 5 minutes unless they have NO_x emissions at idle of 30 grams per hour or less.

Kenworth. The Kenworth Clean Power no-idle system is now fully compliant with California requirements, and uses dedicated, advanced deep-cycle batteries to power a thermal storage cooler having 21,000 Btu's of cooling capacity. The system offers engine-off cooling and heating along with 120-V power for hotel loads. The company reports that drivers can stay comfortable for up to 10 hours when the outside temperature is 95°F and suggests that using this system could result in fuel economy savings of as much as 8 percent if the driver usually idles a lot. When temperatures dip, the heater mounted under the bunk and controlled by a thermostat provides heat in the sleeper. Kenworth Clean Power also comes with an enhanced sleeper insulation package and high-output, low-current LED lighting for greater efficiency. Further information is available at

http://www.kenworth.com/6100_pre_mor.asp?file=2225 and <http://www.etrucker.com/apps/news/article.asp?id=64454>.

Webasto. Webasto's Air Top Heaters address driver comfort by efficiently heating sleeper cabs without idling the vehicle engine. Air Top 2000 S and Air Top 2000 ST heaters operate up to 20 hours on a gallon of fuel, are extremely quiet in operation, and can typically pay for themselves in one season of use. The Webasto Thermo Top Z/C (TSL 17) provides reliable, on-demand engine preheating. This system heats and circulates coolant through the engine block. The Thermo Top/TSL 17 significantly reduces fuel consumption, cold engine start damage, and exhaust emissions. It is a self-contained system that is compact and easily mounts in the engine compartment. Designed for no-idle bunk cooling while the driver sleeps, BlueCool Truck is charged while the truck is moving down the road. It provides cool cabin air via stored thermal energy, and uses minimal 12-V power to run fans and circulate the coolant. The system uses no diesel fuel and therefore produces no emissions during the cooling operation because it runs independently of the original equipment manufacturer AC system. More information is at http://www.fleetowner.com/equipment/webasto_california_air_quality/index.html and [http://www.fuelpub.com/web/online/Newsletter-News/Three-Webasto-Non-Idle-Heating-Products-Earn-California-ARB-Approval-/4\\$558](http://www.fuelpub.com/web/online/Newsletter-News/Three-Webasto-Non-Idle-Heating-Products-Earn-California-ARB-Approval-/4$558).



OTHER NEWS OF INTEREST

Trucking Companies See Value in APU's

Two large trucking fleets are realizing the benefits of installing APU's for their drivers. Feedback from drivers is positive in terms of being well-rested and comfortable while sleeping in the cabs; the companies like the payback of 18 months or so, given the high cost of diesel fuel.

Schneider National Inc. Schneider is the first major U.S. transportation carrier to install Webasto's Air Top 2000 in-cab heater in all its new tractors purchased since June 2003. The heater, the size of a standard mailbox, sits under the bunk of a truck's sleeper cab, is diesel-fired, and operates like a forced-air furnace. The heater uses less than 0.07 gallon of fuel per hour, compared to almost 0.8 gallon when

the tractor is idling. Drivers like the quiet units and the more comfortable sleep they were able to get, according to Schneider. Please go to http://www.webasto.us/press/en/press_company_3534.html for more information.

Marten Transport. This fleet of over 2,000 trucks is in the process of installing APU's on all its vehicles and aims to have APU's on 1,200 of them by the end of 2007. According to the company, the installation is costing them around \$16 million: \$8,000-\$8,500 per APU plus 10 hours of labor to install each one. Payback is about 18 months. Please see <http://www.weau.com/home/headlines/11631151.html> for more details.

Changes in Wisconsin Grant Program May Offer More Assistance

Wisconsin's Diesel Idling Reduction Grant Program has been a roaring success, by any measure. Although it had been funded at \$1 million a year, applications for funding have come in at \$6 million. In recognition of the need for more funding, the Wisconsin legislature has upped the funding. Funds for grants available in 2007-2008 and 2008-2009 will be \$2 million per cycle instead of \$1 million per cycle. Funding for 2009-2010 and 2010-2011 will stay the same at \$1 million per cycle as of now.

Other changes in 2007 Wisconsin Act 20 include reducing the amount of cost sharing from the State from 70 percent to 50 percent and limiting the total number of idling reduction units for which motor carriers are eligible to receive grant coverage from July 1, 2007, to June 30, 2011. For more information, please go to <http://commerce.wi.gov/dieselgrantprogram> and <http://www.legis.state.wi.us/2007/data/acts/07Act20.pdf>. Source: Tom Coogan, Wisconsin Department of Commerce



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How to Find Back Issues of National Idling Reduction Network News

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Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Please let us know if you are aware of other sources that the readers of this newsletter might want to know about. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)

- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- **Natural Resources Canada** (<http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)



Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in August 2007, are available at http://www.atrionline.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/afdc/vehicles/idle_reduction_stations.html.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, Na-

tional Clean Diesel Campaign Retrofit Projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.



Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Lawyers in the Federal Highway Administration interpreted the language to mean that each State would have to adopt that provision. The table below will be updated as States adopt the exemption. URL's are provided so that interested parties,

such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table. Red indicates a new entry compared to the previous month.]

State	Bill	URL	Status
Arkansas			As of April 23, 2007, the Arkansas Highway Police (AHP), a division of the Arkansas Highway and Transportation Department, will accept an APU weighing up to 400 pounds so long as the driver has a written certificate to that effect and the APU is fully functional at all times (AHP Enforcement Policy 07-03-030).
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsite-frame.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.
Missouri	HB 488, An Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/bills071/biltxt/perf/HB0488P.HTM	Died upon adjourned due to no final vote in the Senate.



State	Bill	URL	Status
New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.
Washington		http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-073	Effective August 30, 2007.

Editor

Terry Levinson, Argonne National Laboratory, (202) 488-2472, tlevinson@anl.gov

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Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable



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[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are awarded.	http://www.njmta.org/images/pages/novemberdep.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are awarded.	http://www.dieselretrofitrebate.org
U.S. Department of Energy (DOE)	Phase I of Small Business Innovation Research and Small Business Technology Transfer Research Programs	Up to \$100,000 per grant award	November 27, 2007	http://www.grants.gov/search/search.do;jsessionid=HDGDvDvTGztQ5Bq0QwTqJb9NVDyL27y6f0NhLPh6TsYTFJkyXdNG!2111326422?oppId=15553&flag2006=true&mode=VIEW
Texas Environmental Research Consortium	Development, Verification, and Testing of Technologies to Reduce NOx Emissions from Diesel Engines	\$6.5 million	December 5, 2007	http://www.tercairquality.org/NTRD/Funding/RFGAs/
EPA Region 3	Mid-Atlantic Diesel Collaborative Port Sector Demonstration Project	\$750,000	December 12, 2007	http://www.epa.gov/reg3artd/diesel/news.htm and refer to solicitation EPA-R3APD-07-04



Organization	Project	Funding	Deadline	Website
Pennsylvania Department of Environmental Protection	2008 Environmental Education Grants Program	Varies	December 14, 2007, for pre-application	http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4840&varQueryType=Detail
EPA	Environmental Education Grants	\$1.5 million	December 20, 2007	http://www.epa.gov/enviroed/grants.html and refer to EPA-EE-08-02
Baltimore (Maryland) Regional Transportation Board (BRTB)	FY 2008 BRTB Competitive Selection Process for Congestion Mitigation and Air Quality Improvement Program Funding	\$1 million	December 28, 2007	http://www.baltometro.org/content/view/922

UPCOMING MEETINGS AND EVENTS

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Meeting	Location	Date	Website or Contact
New Jersey Motor Truck Association 2007 Annual Education Forum & Exhibition	Edison, New Jersey	November 27, 2007	http://www.njmta.org/events.dws
California Air Resources Board (CARB) Climate Change Scoping Plan Public Workshop	Diamond Bar, California	November 30, 2007	http://www.arb.ca.gov/app/calendar/cal_wksp.php
Port & Intermodal Finance & Investment Summit	Coral Gables, Florida	December 3-5, 2007	http://www.infocastinc.com/ports.html
Florida Department of Environmental Protection Heavy-Duty Vehicle Idling Reduction Rulemaking Workshop	Tallahassee, Florida	December 5, 2007	https://www.flrules.org/gateway/ruleNo.asp?id=62-285.420
CARB Board Meeting	Sacramento, California	December 6-	http://www.arb.ca.gov/board/ma/2007/ma120607.htm



Meeting	Location	Date	Website or Contact
Carl Moyer Program Advisory Group meeting	Sacramento, California	December 10, 2007	http://www.arb.ca.gov/app/calendar/cal_wksp.php
EPA National Clean Diesel Campaign Diesel Retrofit Technology Verification Workshop	Washington, D.C.	December 13, 2007	http://epa.gov/otaq/retrofit/index.htm
CARB Climate Change Scoping Plan Sector-Based Workshop	Sacramento, California	December 14, 2007	http://www.arb.ca.gov/app/calendar/cal_wksp.php
Carl Moyer Program Advisory Group Meeting	Sacramento, California	January 9, 2008	http://www.arb.ca.gov/app/calendar/cal_wksp.php
87th Annual Transportation Research Board Meeting	Washington, D.C.	January 13-17, 2008	http://www.trb.org/news/blurb_detail.asp?id=8181
CARB Climate Change Scoping Plan Alternative Mechanisms Workshop	TBD	January 16, 2008	http://www.arb.ca.gov/app/calendar/cal_wksp.php
CARB Board Meeting	Sacramento, California	January 24-25, 2008	http://www.arb.ca.gov/bonds/schoolbus/schoolbus.htm
Society of Automotive Engineers 2008 Hybrid Vehicle Technologies Symposium	San Diego, California	February 13-14, 2008	http://www.sae.org/events/training/symposia/hybrid
Clean Heavy-Duty Vehicle Conference	San Diego, California	February 20-22, 2008	http://www.calstart.org/programs/chdvc/2008index.php?p=programs
Alternative Fuels & Vehicles National Conference + Expo	Las Vegas, Nevada	May 11-14, 2008	http://www.afvi.org/NationalConference2008/



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- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- **Teleflex auxiliary power units** (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
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	Technology		
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New Mexico	SB 496, Weight Distance Tax & Penalties Enforcement, §9D	http://legis.state.nm.us/lcs/session.asp?chamber=S&type=++&number=496&Submit=Search&year=07	Effective July 1, 2007.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.
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Editor

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Transport Canada	Freight Technology Incentive Program	Up to Can\$500,000 per project on a 50-50 cost share	November 1, 2007	http://www.tc.gc.ca/programs/environment/ec ofreight/programincentiveguide-eng.htm
Pennsylvania Department of Environmental Protection (PaDEP)	2008 Governor's Award for Environmental Excellence	N/A	November 2, 2007	http://www.ahs.dep.state.pa.us/newsreleases /default.asp?ID=4795
U.S. Department of Energy (DOE)	Phase I of Small Business Innovation Research and Small Business Technology Transfer Research Programs	Up to \$100,000 per grant award	November 27, 2007	http://www07.grants.gov/search/search.do?o ppld=15553&flag2006=true&mode=VIEW



UPCOMING MEETINGS AND EVENTS

Meeting	Location	Date	Website or Contact
California Air Resources Board (CARB) On-Road Heavy-Duty Diesel Vehicles Public Workshop	San Diego, Sacramento, Fresno, El Monte, and Oakland, California	October 19, 22, 23, 24, 25, 2007, respectively	http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm
Railroad Environmental Conference 2007	Urbana, Illinois	October 23-24, 2007	http://cee.uiuc.edu/railroad/RREC/overview.asp
Marine Fuel Sustainability Forum	Long Beach, California	October 24-26, 2007	http://www.bunkerworld.com/events/losangeles2007/
CARB Board Meeting	Sacramento, California	October 25-26, 2007	http://www.arb.ca.gov/board/ma/2007/ma102507.htm
Society of Automotive Engineers Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 30 – November 1, 2007	http://www.sae.org/cve
Nevada Department of Transportation (NDOT) and Regional Transportation Commission of Southern Nevada “Reduce Idling – Breathe Easier” Public Lecture	Las Vegas, Nevada	November 14, 2007	Pat Mohn, NDOT, pmohn@dot.state.nv.us , (775) 888-7693
Port & Intermodal Finance & Investment Summit	Coral Gables, Florida	December 3-5, 2007	http://www.infocastinc.com/ports.html
87 th Annual Transportation Research Board Meeting	Washington, D.C.	January 13-17, 2008	http://www.trb.org/news/blurbs_detail.asp?id=8181

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
CARB Emissions Inventory for In-Use On-Road Heavy-Duty Diesel Vehicle Workshop	Sacramento and El Monte, California	July 12 and 17, 2007, respectively	http://www.arb.ca.gov/msprog/onrdiesel/workshops.htm



Meeting	Location	Date	Website or Contact
DOE Diesel Engine-Efficiency and Emissions Research Conference	Detroit, Michigan	August 12-16, 2007	http://www1.eere.energy.gov/vehiclesandfuels/resources/proceedings/2007_deer_presentations.html
CARB Shore-Power Public Workshop	Sacramento, California	September 24, 25, and 27, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
CARB Ocean-Going Ship Main Engine Workshop	Sacramento, California	September 24, 2007	http://www.arb.ca.gov/ports/marinevess/marinevess.htm#092407

REGULATORY NEWS

New Jersey Tightens Anti-Idling Regulations for Diesel Vehicles

Effective July 2, 2007, NJDEP put revised anti-idling regulations in place for diesel vehicles that eliminate most of the exemptions that had allowed these vehicles to idle for up to 3 minutes. Other changes include:

- Diesel-vehicle drivers can no longer idle for 30 minutes at their place of business at the beginning of the day
- Idling for 15 minutes following a 3-hour engine shutdown is no longer permitted except when temperatures are below 25°F
- A diesel bus while it is actively discharging or picking up passengers may idle for 15 consecutive minutes in a 60-minute period
- Special exemptions exist for in-service emergency vehicles, such as police, fire, and military vehicles
- Beginning May 8, 2008, drivers cannot idle for more than 3 minutes in parking spaces equipped with electrification to eliminate idling.
- After April 30, 2010, truck operators are prohibited from idling their vehicles overnight. New technologies, such as truck-stop electrification and auxiliary power units, are to be used to provide heating, cooling, and other amenities without running the engine



Sign at Wawa convenience store in Ocean City, New Jersey (photo by Terry Levinson)

- Violators are subject to a penalty of \$250-\$1,000 per day for each vehicle.

To help spread this message, NJDEP launched a State-wide public education campaign with the tag line, "Idling Stinks." In September 2005, New Jersey became first in the Nation to require emissions controls on all public and privately owned transit buses and garbage trucks. The landmark program funds the installation of air-pollution controls on these vehicles with revenue generated from the State's Corporate Business Tax.

To help further reduce diesel pollution, NJDEP is partnering with the New Jersey Motor Truck Association (NJMTA) to provide grants to truck owners to install technologies proven to reduce idling and save



fuel. These technologies include auxiliary power units (APU's), bunk heaters, and tailpipe retrofits. Interested truck owners can contact the NJMTA at (732) 254-5000 for more information on these grants or use the URL on page 1 of this newsletter.

For more information, please go to http://www.nj.gov/dep/newsrel/2007/07_0036.htm , http://www.state.nj.us/dep/aqm/Sub14_Rule.pdf, and <http://www.stopthesoot.org>.

Pennsylvania Moves to Limit Idling Throughout the State

Legislators from areas of Pennsylvania where there is very heavy truck traffic have introduced bills in both the Pennsylvania House and Senate to limit idling of commercial diesel vehicles throughout the entire State. Currently, only the City of Philadelphia and Allegheny County (Pittsburgh area) restrict idling. All introduced bills (HB 1113, SB 295, and SB 1095) would limit idling of these vehicles to no more than 5 minutes in any 60-minute period, unless the vehicle met certain exemptions. The exemptions include many of those in the U.S. Environmental Protection Agency (EPA) Model State Idling Law, such as when:

- The vehicle is stuck in traffic or following the direction of a law enforcement official
- The vehicle is operating defrosters, heaters, or refrigeration equipment to prevent safety or health emergencies
- The vehicle is undergoing maintenance, servicing, repair, testing, active loading or unloading, or mixing.

SB 1095 and HB 1113 include provisions similar to those included in a petition for a State-wide regulation submitted by the Clean Air Board of Central Pennsylvania to the PaDEP, such as temperature-based exemptions for sleeper berth equipped trucks that would expire 3 years after enactment of a State financial assistance program for idling reduction technologies or strategies.

All versions of the bill have been referred to their respective Transportation Committees. The legislature is expected to adjourn in late November.

Meanwhile, PaDEP is also developing a State-wide regulation covering the same issues. On October 16, 2007, the PaDEP Environmental Quality Board will consider a proposed regulation; subsequent to that, there will most likely be a 60-day comment period and three public hearings once the draft regulation is published in the *Pennsylvania Bulletin*.

More information is available at http://www.landlinemag.com/todays_news/Daily/2007/Sep07/091007/091307-01.htm, <http://www.cumberlandlink.com/articles/2007/09/25/news/news187.txt>, <http://www.legis.state.pa.us/cfdocs/billinfo/billinfo.cfm?syear=2007&sid=0&body=H&type=B&BN=1113>, <http://www.legis.state.pa.us/cfdocs/billinfo/billinfo.cfm?syear=2007&sid=0&body=S&type=B&BN=0295>, <http://www.legis.state.pa.us/cfdocs/billinfo/billinfo.cfm?syear=2007&sid=0&body=S&type=B&BN=1095>, and <http://www.dep.state.pa.us/dep/deputate/airwaste/aq/cars/idling.htm>.
Source: Arleen Shulman, PaDEP



Canada Offers Fuel Tax Refund for Reefers, Anti-Idling Devices

According to the Ontario Trucking Association (OTA), a Canadian Federal court decision in June 2007 allows for an expanded exemption from tax on diesel fuel used for heating or cooling the cab or cargo. Deloitte & Touche, the OTA tax advisors, has alerted the association to the potential opportunity for a refund of Canadian Federal excise tax paid in the last 2 years on fuel used to operate refrigerated units or anti-idling devices.

While some OTA members may have been recovering tax using narrower approaches previously available, OTA is urging its members to review their fuel costs and submit claims for this refund. The trucking association and Deloitte will seek refunds on behalf of interested

OTA-member carriers, with Deloitte working on a contingency basis. If Deloitte is successful in obtaining refunds on behalf of participating carriers, it will retain 35 percent of the refund from the carrier, a portion of which will be provided to OTA and the Canadian Trucking Alliance.

More information is available at

http://www.ontruck.org/news/news/2007/pnews_2007_06_08_110950_rt.php3 and <http://www.todaystrucking.com/news.cfm?intDocID=18039&login=tlevinson%40anl%2Egov&datalogin=%2790%5E3JY5%25%5EP%20%20%0A>.

California Adds More "Early Action" Measures to Fight Global Warming

Pursuant to AB 32, the Global Warming Solutions Act, CARB has proposed adding more measure to its "early action" list. These measures exceed the minimum statutory requirement and if adopted, would significantly increase the list of early action measures approved by CARB in June 2007. The goal is to help California reduce its greenhouse gas emission to 1990 levels by 2020. AB32 was approved and signed into law by Governor Arnold Schwarzenegger in 2006 and gives CARB the authority to research, write, and enforce regulations related to greenhouse gas emissions and links such emissions with global warming.

Some of the new proposed measures, which will likely be adopted and enforced by CARB by January 1, 2010, include requiring existing trucks and trailers to be retrofitted to reduce aerodynamic drag and allowing docked ships to shut off auxiliary engines by using shore

power. Another proposed action calls for tripled fines and increased enforcement of anti-idling regulations. Still others are increased truck stop electrification, financial incentives for truckers, and electrification of loading docks and off-road construction equipment. Implementing these measures, along with many others, would reduce emissions by more than 36 metric tons by 2020.

CARB held a public workshop on these measures on September 17, 2007, and is currently scheduled to vote on them at a Board meeting on October 25-26, 2007, in Sacramento. The full list of measures is at http://www.arb.ca.gov/cc/ccea/meetings/091707workshop/ea_ii_report.pdf.

CARB now proposes to speed up the "SmartWay Truck Efficiency" program, including requiring in-use trucks and trailers to be retrofitted with aerodynamic devices including cab roof fairings, cab-side gap fairings, cab-side skirts, trailer-side skirts, gap fairings, and a trailer



tail. Additionally, CARB wants to reduce rolling resistance by use of wide-base tires, low-rolling-resistance tires, and automatic tire inflation systems for both tractors and trailers. Please go to http://www.landlinemag.com/todays_news/Daily/2007/Sep07/091007/091007-03.htm, http://www.landlinemag.com/todays_news/Daily/2007/Sep07/091707/

[092107-02.htm](#), and <http://www.realestateandconstructionlawblog.com/environmental-california-air-resources-board-proposes-additional-early-action-measures-pursuant-to-the-global-warming-solutions-act-ab-32.html> for more information.

NEW REPORTS OF INTEREST

Source	Title	Website or Contact
San Diego Unified Port District (SDUPD)	<i>Cold Ironing Feasibility Study for Electric Services at Cruise Ship & 10th Avenue Marine Terminals</i>	Contact Michelle White, SDUPD, at (619) 686-7297 or mwhite@portofsandiego.org .
SDUPD	<i>Port of San Diego 2006 Emissions Inventory</i>	http://www.portofsandiego.org/sandiego_environment/documents/2006_air_emissions_inventory-september_2007.pdf
San Pedro Bay Ports Clean Air Action Plan	<i>Economic Analysis: Proposed Clean Truck Program</i>	http://polb.com/civica/filebank/blobdload.asp?BlobID=4397
New Jersey Department of Transportation	<i>2007 Comprehensive Statewide Freight Plan</i>	http://www.state.nj.us/transportation/freight/plan/study.shtm
American Transportation Research Institute	<i>Fuel Saving/Emissions Reducing Technologies and Incentives: Use and Preferences among Diesel Truck Owners in the Baltimore Region</i>	http://www.atri-online.org/research/results/environmentalfactors/index.htm
CARB	<i>Draft Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California Recommended for Board Consideration</i>	http://www.arb.ca.gov/cc/ccea/meetings/091707workshop/ea_ii_report.pdf



ELECTRIFIED PARKING SPACES

IdleAire Files Paperwork for IPO

As a further sign that it is planning to go public, IdleAire Technologies Corporation has filed a prospectus with the U.S. Securities and Exchange Commission for an initial public offering (IPO). The company has successfully completed its consent solicitation for its 13-percent notes and related warrants preparatory to this action.

IdleAire looks to bring in up to \$100 million from the public to augment the \$320 million that Jeffries & Co. underwrote in December 2005. Jeffries will again underwrite this offering along with JPMorgan.

While IdleAire plans to list its shares on the NASDAQ Stock Market, it did not disclose a proposed stock symbol, when the stock will be for sale, or what the list price of the stock for the IPO would be. The company plans to use the net proceeds from the IPO to repay a portion of its senior discount notes, fund expansion of its network of parking spaces, and for working capital and other general corporate purposes.

Although the company has been successful in rolling out its patented technology, the prospectus notes that there is a risk that IdleAire will

ever turn a profit. The company was incorporated in 2000 and began operations in 2003. Last year the company reported a net loss of \$60.3 million on revenue of \$14 million. In the 6 months ending June 30, 2007, IdleAire increased its losses to \$44.4 million from \$25.8 million in the prior-year period. During the same period, the company increased its total net revenue to \$14.9 million from \$4.2 million.

IdleAire has noted that it has 8,246 parking spaces at 127 locations in 33 States as of the end of August 2007. The company's long-term plans call for 73,600 parking spaces at more than 600 locations. Truckers have used this service for a total of almost 20 million hours. Further information can be found at http://www.idleaire.com/newsroom/releases/07_25_2007.jsp, <http://knoxnews.com/news/2007/sep/20/idleaire-in-idle-mode-on-ipo/>, <http://www.sec.gov/Archives/edgar/data/1162298/000095013307003856/w39530sv1.htm>, http://www.truckinginfo.com/news/news-detail.asp?news_id=59139, <http://www.ttnews.com/articles/basetemplate.aspx?storyid=18378>, and <http://www.etrucker.com/apps/news/article.asp?id=63318>.

MANUFACTURERS' NEWS

More Companies Offer California-Compliant Auxiliary Heating/Cooling Systems

As the January 1, 2008, deadline in California looms ever closer, the rush is on to market anti-idling equipment whose low emissions levels allow truckers to idle their sleeper cabs. CARB will be enforcing rules

as of Jan. 1, 2008, which will require new trucks to have a tamper-proof and non-programmable automatic shutdown system that prevents trucks from idling more than 5 minutes unless they have NOx



idle emissions of 30 grams per hour or less. Below is an update on these devices:

Cummins. Not only will the 2008 engines from Cummins emit fewer than 30 grams of NOx per hour, but the company has announced that its ComfortGuard APU will also meet the new CARB regulations requiring such devices to have exhaust aftertreatment. Cummins says that its 2008 engines can be idled indefinitely under the impending CARB standards. The revamped ComfortGuard will be available with either a stand-alone diesel particulate filter (DPF) or an installation that allows the APU's diesel exhaust to be routed through the engine's DPF. Please see http://www.landlinemag.com/todays_news/Daily/2007/Sep07/092407/092407-05.htm for more information.

Dometic. This company is offering a new battery-powered auxiliary air-conditioning system that is 100-percent compliant with CARB's regulations. The system is exempt because it has no internal combustion engine and therefore produces no emissions at the truck stop. The company claims that a truck driver can be cool for 10 hours or more, while reducing fuel consumption and emissions to zero. Dometic's system runs on 12-V power from a bank of absorbed glass

mat (AGM) Group 31 batteries. It has a 2-kW DC/AC inverter that converts the battery output to 115-V power to run the air-conditioner. It includes a high-capacity alternator with external regulator, which is designed for rapid recharging of the batteries. The inverter also contains a 115-V pass-through circuit and 50-amp charger to run the air-conditioner and recharge the batteries when the truck is connected to shore power. Dometic also offers an optional inverter-only model for applications where shore power hookups are not needed. More information can be found at <http://www.layover.com/news/article/domestic-battery-powered-auxiliary-air-conditioning-systems-are-fully-compliant-with-california-clean-air-regulations-11820.html>.

RigMaster. RigMaster Power has worked with emissions-control specialists DCL International to come up with its 2008 model APU complete with Tier 4a-compliant engine and DPF. The company says that the unit's DPF was designed by DCL specifically for RigMaster to lower diesel particulate matter by the requisite 90 percent. Submission for certification was presented to CARB this past summer, and RigMaster expects the product to be available in time to meet 2008 requirements. Further details can be found at http://www.rigmasterpower.com/Sections/index.php?vSec=whats_new.

New Crop of Cab Comfort Equipment Now Available

Several new or improved devices to provide cab comfort in sleeper cabs are now entering the marketplace. Among them are:

Alliance APU. The 2007 Alliance Premium APU, the private label brand of Freightliner LLC, provides 12,000 Btu's of air-conditioning, 10,000 Btu's of heating, and 3.3 kW of 110-V electricity. Its one-cylinder engine, claimed to be unique in the industry, burns just 1/10

of a gallon of fuel per hour. The APU, manufactured by SCS Frigette in Dallas, Texas, is a free-standing unit operating independently of the truck's factory heating, ventilation, and air-conditioning system. It integrates with the truck only through a supply and return line to the fuel tank so it does not violate any original equipment manufacturer's warranties. The unit has six 110-V outlets for microwaves and other appliances, and a 60-amp charger maintains the truck's batteries when



the APU is running. A simple control panel is mounted near the bunk. The unit weighs 418 pounds.

Driver Comfort System. This APU provides 9,200 or 15,000 Btu's of heating and cooling and up to 10 hours of air-conditioning through a battery pack. It has a shore power option and an advanced on-board battery charging system. The company claims that the air-conditioning system is emission free and emissions from the direct-fired heater meet all State emission standards. More information is available at <http://www.drivercomfort.com>.

Teleflex ComfortPro. The latest ComfortPro APU is has an increased oil service interval of 1,000 hours, increased alternator output to 60 amps, and an air-conditioning refrigerant change to R-134A. The ComfortPro model is distributed exclusively by Carrier Transicold.

More information can be found at <http://www.gfisystems.com/pdf/GenXProductNewsA-2.pdf>.

Teleflex Proheat Air. This new line of advanced auxiliary cab heaters is available in 2- or 4-kW models and is reputed to reduce fuel consumption by up to 95 percent compared to engine idling. Teleflex asserts that it provides quiet and efficient heat. The control panel for the device includes a time-delay timer that allows the trucker to warm up the cab remotely and also to set an ambient temperature similar to a home thermostat. The Proheat Air heaters are distributed by Carrier Transicold. Please go to <http://www.todaystrucking.com/products.cfm?intDocID=18504> for more information.

Cummins Looks to Future, Sees Fuel Cell APU's

Protonex Technology Corporation has received a significant subcontract from Cummins Power Generation to supply solid oxide fuel cell (SOFC) power systems for integration into a demonstration system for a DOE contract. Cummins had been awarded a \$10-year, \$71 million cost-shared contract to develop a diesel-fueled SOFC system for a wide range of commercial applications, including on-highway truck auxiliary power.

Integrating SOFC auxiliary power systems in over-the-road trucks will allow a significant reduction in main engine idle operation and result in

greater fuel savings and lower emissions than what is possible with current technologies, according to Protonex. The SOFC power system will supply base power for air-conditioning, heating, lighting, and other loads. Fuel cells can offer higher efficiencies and significantly lower emissions than typical small auxiliary power systems that utilize internal combustion engines. Please see <http://www.protonex.com/09-24-07%20Cummins%20US.pdf> and <http://www.cumminspower.com/na/about/environmental/fuelcells/> for more details.



RAILROAD NEWS

Pan Am Railways Uses Markers to Curtail Idling

Since the beginning of September 2007, the town of Exeter, New Hampshire, has had markers along railroad tracks used by Pan Am Railways to indicate where residences are one-third of a mile away. The presence of the markers enables Pan Am engineers to tell how close they are to residential areas so that they do not idle within those zones. Pan Am has also voluntarily agreed to shut down a train and restart it if the train will be on the tracks for an extended period of time, thereby reducing idling times. According to an article in Sea-

coastonline quoting a spokesman from the New Hampshire Department of Environmental Services (DES), DES has no authority under the Clean Air Act to regulate idling locomotives in New Hampshire, and the State's 5-minute anti-idling rule applies only to on-road engines. More information is available at <http://www.seacoastonline.com/apps/pbcs.dll/article?AID=/20070904/NEWS/709040357/-1/NEWS11&sfad=1>.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Here are a few sites that might be of benefit to you. Please let us know if you are

aware of other sources that the readers of this newsletter might want to know about.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Cummins (<http://www.cumminscomfortguard.com/offer>)



- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems ([http://www.kohlerpower.com/mobile/solutions/apucalculator.htm](http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102))

- Thermo King (<http://www.thermoking.com/tripac/>)

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in August 2007, are available at http://www.atr-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show Locations of Electrified Parking Spaces

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South

Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/afdc/vehicles/idle_reduction_stations.html.



The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA Projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location

of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Lawyers in the Federal Highway Administration interpreted the language to mean that each State would have to adopt that provision. The table below will be updated as States

adopt the exemption. URL's are provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table.]

State	Bill	URL	Status
Arkansas			As of April 23, 2007, Arkansas Highway Police (AHP), a Division of the Arkansas Highway and Transportation Department, will accept an APU weighing up to 400 pounds so long as the driver has a written certificate to that effect and the APU is fully functional at all times (AHP Enforcement Policy 07-03-030).
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.



State	Bill	URL	Status
Missouri	HB 488, an Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/bills071/biltxt/perf/HB0488P.HTM	Died upon adjournment due to no final vote in the Senate.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtm/#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.

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NATIONAL IDLING REDUCTION NETWORK NEWS

July/August 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are fully awarded	http://www.njmta.org/images/pages/Grant_Pr e Approval Application.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are fully awarded	http://www.dieselretrofitrebate.org
U.S. Environmental Protection Agency (EPA) HQ	Mobile Source Outreach Assistance Competition	\$557,000	August 31, 2007	http://www.grants.gov/search/search.do?mode=VIEW&opId=14555
EPA Region 5	Midwest Clean Diesel Leadership Awards	N/A	September 1, 2007	http://www.epa.gov/midwestcleandiesel/leadershipgroup/lqawards.html
Ohio EPA	Clean Diesel School Bus Fund	<\$1 million	September 1, 2007	http://www.epa.state.oh.us/oeef/html/schoolbus
EPA	SmartWay Transport Partnership Affiliate Challenge	N/A	September 12, 2007	http://www.epa.gov/smartway/documents/420f07034.htm
EPA Region 5	Midwest Clean Diesel Collaborative	\$300,000	September 18, 2007	http://www.epa.gov/midwestcleandiesel
EPA Regions 5 and 6	Clean School Bus USA	\$1.36 million	September 21, 2007	http://blueskyways.org/Funding/bsc_csb_FY07.htm



Organization	Project	Funding	Deadline	Website
EPA Regions 9 and 10	Clean School Bus USA	\$1.37 million	September 24, 2007	http://www.grants.gov/search/search.do?oppId=14488&mode=VIEW
New York State Energy Research and Development Authority	Round 2 of PON 1143, Advanced Transportation Technologies	<\$4 million	September 27, 2007	http://www.nyserda.org/funding/funding.asp?i=2 and search for PON 1143
Society of Automotive Engineers	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2007	http://www.sae.org/news/awards/list/e2t/

UPCOMING MEETINGS AND EVENTS

Meeting	Location	Date	Website or Contact
Nevada Department of Transportation and Regional Transportation Commission of Southern Nevada "Reduce Idling – Breathe Easier" Public Lecture	Las Vegas, Nevada	August 29 and November 14, 2007	Pat Mohn, NDOT, pmohn@dot.state.nv.us , (775) 888-7693
Hybrid Truck Users Forum	Seattle, Washington	September 19-21, 2007	http://www.htuf.org
California Air Pollution Control Officers Association	Carson, California	September 19-20, 2007	http://www.capcoa.org/healthconference.php
National Center for Vehicle Emissions Control and Safety 23d Annual Clean Air Conference	Breckenridge, Colorado	September 24-27, 2007	http://ncvecs.colostate.edu/cac.docs/cac23/CAC23_announce.html
South Coast Air Quality Management District Southern California Clean Vehicle Technology Expo	Ontario, California	October 16-17, 2007	http://www.cleanvehicleexpo.com



Meeting	Location	Date	Website or Contact
Society of Automotive Engineers Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 30 – November 1, 2007	http://www.sae.org/cve

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
California Air Resources Board On-Road Heavy-Duty Diesel Vehicle Workshop	Sacramento and El Monte, California	July 12 and 17, 2007, respectively	http://www.arb.ca.gov/msprog/onrdiesel/workshops.htm

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Here are a few sites that might be of help to you. Please let us know if you are aware

of other sources that the readers of this newsletter might want to know about.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Cummins (<http://www.cumminscomfortguard.com/offer>)



- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems ([http://www.kohlerpower.com/mobile/solutions/apucalculator.htm](http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102))

- Thermo King (<http://www.thermoking.com/tripac/>)

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's (DOE) Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show TSE Locations

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South

Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.



The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit Projects, School Bus USA Projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location

of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Lawyers in the Federal Highway Administration interpreted the language to mean that each State would have to adopt that provision. The table below will be updated as States

adopt the exemption. URL's are provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table.]

State	Bill	URL	Status
Arkansas			As of April 23, 2007, Arkansas Highway Police (AHP), a Division of the Arkansas Highway and Transportation Department, will accept an APU weighing up to 400 pounds so long as the driver has a written certificate to that effect and the APU is fully functional at all times (AHP Enforcement Policy 07-03-030).
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.



State	Bill	URL	Status
Missouri	HB 488, an Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/bills071/biltxt/perf/HB0488P.HTM	Died upon adjournment due to no final vote in the Senate.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtm/#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.

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NATIONAL IDLING REDUCTION NETWORK NEWS

June 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are fully awarded	http://www.njmta.org/images/pages/Grant_Preview_Approval_Application.pdf
Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force	Pittsburgh Healthy School Bus Fund	\$500,000	Rolling deadline until funds are fully awarded	http://www.dieselretrofitrebate.org
U.S. Environmental Protection Agency (EPA) Regions 1 and 2	Northeast Diesel Collaborative Emissions Reduction Grants	~\$1.7 million	July 31, 2007	http://www.epa.gov/region02/grants/nedc_rfp_final_060707.pdf
EPA Region 4	Clean School Bus USA	\$680,000	August 3, 2007	http://www.grants.gov/search/search.do?mode=VIEW&oppld=14523
U.S. Department of Energy (DOE)	Clean Energy & Air Quality Integration	\$500,000	August 7, 2007	http://www.grants.gov/search/search.do?oppld=14418&mode=VIEW
EPA Regions 9 and 10	West Coast Collaborative and Clean School Bus USA	\$1,379,400	August 20, 2007	http://yosemite.epa.gov/R10/AIRPAGE.NSF/webpage/Clean+School+Bus or http://www.epa.gov/region10/cleanschoolbus.html



Organization	Project	Funding	Deadline	Website
EPA HQ	Mobile Source Outreach Assistance Competition	\$557,000	August 31, 2007	http://www.grants.gov/search/search.do?mode=VIEW&opId=14555
EPA Region 5	Midwest Clean Diesel Leadership Awards	N/A	September 1, 2007	http://www.epa.gov/midwestcleandiesel/leadershipgroup/lqawards.html
Ohio EPA	Clean Diesel School Bus Fund	<\$1 million	September 1, 2007	http://www.epa.state.oh.us/oeef/html/schoolbus
EPA	SmartWay Transport Partnership Affiliate Challenge	N/A	September 12, 2007	http://www.epa.gov/smartway/documents/420f07034.htm
EPA Region 5	Midwest Clean Diesel Collaborative	\$300,000	September 18, 2007	http://www.epa.gov/midwestcleandiesel
EPA Region 6	Clean School Bus USA	\$1.36 million	September 21, 2007	http://blueskyways.org/Funding/bsc_csb_FY07.htm
New York State Energy Research and Development Authority (NYSERDA)	Round 2 of PON 1143, Advanced Transportation Technologies	<\$4 million	September 27, 2007	http://www.nyserda.org/funding/funding.asp?i=2 and search for PON 1143
Society of Automotive Engineers	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2007	http://www.sae.org/news/awards/list/e2t/

UPCOMING MEETINGS AND EVENTS

Meeting	Location	Date	Website or Contact
Nevada Department of Transportation (NDOT) and Regional Transportation Commission of Southern Nevada "Reduce Idling – Breathe Easier" Public Lecture	Las Vegas, Nevada	July 25, August 29, November 14, 2007	Pat Mohn, NDOT, pmohn@dot.state.nv.us , (775) 888-7693



Meeting	Location	Date	Website or Contact
CARB Chair's Seminar Series: Regional Commercial Marine Vessel Inventories and Forecasts	Sacramento, California	July 26, 2007	http://www.arb.ca.gov/research/seminars/corbett2/corbett2.htm
CARB Board Meeting	Sacramento, California	July 26-27, 2007	http://www.arb.ca.gov/board/ma/2007/ma072607.htm
DOE Diesel Engine-Efficiency and Emissions Research Conference	Detroit, Michigan	August 12 -16, 2007	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html
CARB Economic and Technology Advancement Advisory Committee	Sacramento, California	August 14, 2007	http://www.arb.ca.gov/cc/081407pubmeet/081407pubmeet.htm
Hybrid Truck Users Forum	Seattle, Washington	September 19-21, 2007	http://www.htuf.org
California Air Pollution Control Officers Association	Carson, California	September 19-20, 2007	http://www.capcoa.org/healthconference.php
National Center for Vehicle Emissions Control and Safety 23d Annual Clean Air Conference	Breckenridge, Colorado	September 24-27, 2007	http://ncvecs.colostate.edu/cac.docs/cac23/CAC23_announce.html
South Coast Air Quality Management District Southern California Clean Vehicle Technology Expo	Ontario, California	October 16-17, 2007	http://www.cleanvehicleexpo.com
Society of Automotive Engineers Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 30 – November 1, 2007	http://www.sae.org/cve



PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
CARB Shore Power Workgroup Meeting	Long Beach, California	June 1 and 12, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
CARB Transport Refrigeration Unit Airborne Toxic Control Measure Workshop	Sacramento, California	June 14, 2007	http://www.arb.ca.gov/diesel/tru/documents/slides6_14_07.pdf
EPA/Massachusetts Motor Transportation Association Fuel-Saving Equipment Showcase	Marlborough, Massachusetts	June 15-16, 2007	http://www.northeastdiesel.org/freight.htm#smartway
CARB In-Use Off-Road Diesel Vehicle Regulation Cost Workshop	Sacramento, California	June 18, 2007	http://www.arb.ca.gov/msprog/ordiesel/meetings.htm
CARB Commercial Harbor Craft Public Workshop	Los Angeles, California	June 27, 2007	http://www.arb.ca.gov/ports/marinevess/presentations.htm#062707

REGULATORY NEWS

Texas Governor Vetoes School Bus Anti-Idling Bill

HB 3457, "Relating to a school bus idling near a public school or school event", was vetoed by Texas Governor Rick Perry because of his concern "that schools would have a difficult time enforcing this law with regard to the provision prohibiting a school bus engine from idling for more than the *minimum time necessary to heat or cool the bus before departure*." He also noted that schools should focus on more

pressing issues, such as teaching a standards-based curriculum, providing free lunches to low-income students, and providing extracurricular activities. More information can be found at http://www.governor.state.tx.us/divisions/press/bills/veto_statements/message-hb3457.



New Jersey Weighs Penalties to Reduce Idling At Ports

Port terminal operators would be subject to a fine if drayage trucks are idling or queuing more than 30 minutes before loading or off-loading container cargo. If S2217 is passed and signed by the Governor, fines would be \$250, and each delayed truck would be a separate violation. If terminal operators attempted to circumvent the requirements of this bill by diverting a truck to area roadways, other staging areas, or forcing it to wait inside the gate, then the operators would face a \$750 fine. The bill would exempt terminals that maintain a fully

staffed gate 2 hours before and after peak commuter hours in the morning and afternoon at least 5 days a week. The bill is currently in the Senate Transportation Committee. More information is available at http://www.landlinemag.com/todays_news/Daily/2007/Jul07/070207/070607-04.htm and <http://www.njleg.state.nj.us/bills/BillsByNumber.asp> (insert "2217" into the search box).

Pennsylvania Considers Statewide Limit on Idling

Anti-idling rules are currently in place only in Pennsylvania only in Allegheny County and the City of Philadelphia. However, the Pennsylvania General Assembly is considering a bill that would apply everywhere in the Commonwealth where diesel-powered vehicles load, unload, or park.

HB 1113, the Restrictions on Idling Act, would limit idling of diesel-powered vehicles to no more than 5 minutes in any 60-minute period unless the vehicle were equipped with an auxiliary power unit (APU), a generator set, or other mobile idling reduction technology. Trucks could idle for up to 20 minutes in any 60-minute period when temperatures are colder than 40°F or hotter than 80°F. Drivers resting or

sleeping are some of the exemptions. Diesel-powered vehicles used for transportation of people would be allowed to idle for up to 10 minutes to allow for boarding of passengers and their comfort when they are on board.

The bill has been in the House Transportation Committee since April 18, 2007. More information can be found at http://www.landlinemag.com/todays_news/Daily/2007/Jun07/062507/062507-01.htm and <http://www.legis.state.pa.us/cfdocs/billinfo/billinfo.cfm?year=2007&sid=0&body=H&type=B&BN=1113>.

Massachusetts Looks to Update Idling Legislation

H866, An Act Relative to Reducing Emissions from Idling Vehicles, would change the current law and add more exemptions, such as allowing idling for truck drivers while sleeping or resting, employing an

APU or like device, power-takeoff devices, or cargo refrigeration. Idling would be limited to 5 minutes in any 60-minute period, except for passenger transportation, where the limits would be 15 minutes in



any 60-minute period. Fines would be a minimum of \$100, with subsequent offenses resulting in fines of up to \$500.

Should legislation be enacted to provide for State financial assistance programs to purchase APU's, then some of these exemptions and time periods would expire 5 years of the date of enactment. The bill is

currently in the Joint Environment, Natural Resources, and Agriculture Committee. Further information is available at http://www.landlinemag.com/todays_news/Daily/2007/Jun07/062507/062507-01.htm and <http://www.mass.gov/legis/hbillsrch.htm> (plug in "866" into the search box).

California Anti-Idling Law Kicks in January 1

California will forego its current 5-minute idling limit for sleeper berths starting January 1, 2008. On that date, the law will apply to all trucks over 10,000 pounds, regardless of model year. Violators may be fined up to \$1,000 per day and may face possible criminal charges.

To address the need for cab comfort, CARB recommends that truckers adopt battery-powered APU's, fuel-fired heaters (see article on

Espar on page 10), or use electrified parking spaces at truck stops and other locations. Diesel-powered APU's must meet additional emission standards on 2007-model year trucks and also cannot operate within 100 feet of a residential area or schools. More information is available at <http://www.arb.ca.gov/msprog/cabcomfort/cabcomfort.htm> and <http://www.todaystrucking.com/news.cfm?intDocID=18152>.

NEW REPORTS OF INTEREST

Source	Title	Website or Contact
CARB	<i>Annual Report of Enforcement Activities for 2006</i>	http://www.arb.ca.gov/enf/reports/06enfrpt.pdf
The Council of the City of New York	<i>Idling Buses: Exhausting Our Health</i>	http://home2.nyc.gov/html/records/pdf/govpub/760busidling.pdf
EPA	<i>Characterization of Fine Particle and Gaseous Emissions during School Bus Idling</i>	http://pubs3.acs.org/acs/journals/doilookup?in_doi=10.1021/es0625024



SCHOOL BUSES

EPA Study Supports Stopping and Restarting School Buses to Reduce Emissions

According to a press release from EPA Region 2, the agency has completed a study of school bus exhaust levels when the buses were parked but idling. The study's investigators calculated the benefits from turning off the engines for various periods, restarting them, and then departing quickly without an extended period of idling. The study concluded that idling for more than 3 minutes generates more pollution than stopping and re-starting the engine, debunking a widely held belief of some drivers. By turning off the engine, carbon monoxide, particulate matter (PM), nitrogen oxide, and carbon dioxide, a greenhouse gas, are reduced.

EPA measured the pollution from six buses owned and operated by the Katonah-Lewisboro School District of New York. The level of pollution from buses that idled for more than 3 minutes was 66 percent higher in PM than pollution generated from shutting off the buses and then re-starting them. Due to the longevity of diesel engines, it is estimated that about one-third of all diesel school buses now in service

were built before 1990. Older buses are not equipped with today's pollution controls or safety features and are estimated to emit as much as six times more pollution as the new buses that were built starting in 2004, and as much as 60 times more pollution as buses that meet the 2007 diesel standards. There are steps that school bus operators can take now to reduce pollution levels including idling reduction programs, anti-caravanning practices, ensuring proper maintenance of engines, and replacing and retrofitting older buses. More information is available at

<http://yosemite.epa.gov/opa/admpress.nsf/cafbebb41895f4a9852572a000657b5c/b46195ea25bc1552852572e20052c3b7!OpenDocument>,
<http://www.sciencedaily.com/releases/2007/06/070625093623.htm>,
and
http://pubs3.acs.org/acs/journals/doi/lookup?in_doi=10.1021/es0625024.

NEWS ABOUT PORTS

Major Japanese Carrier to Use Shore Power at POLB

"K" Line, one of the world's largest ocean carriers, will soon begin to use electricity to power its diesel ships while they are docked at the Port of Long Beach (POLB), California. The shipper has the option to use shore power or an alternative power source that results in equal emission reductions. However, port engineers have not yet fully wired

the complex for dockside electricity so K-Line will have until the summer of 2008 to plug in.

The company has nearly completed the retrofits of five vessels – the *Chicago Bridge*, *Rotterdam Bridge*, *Genoa Bridge*, *Shanghai Bridge*, and *Long Beach Bridge* – in order to plug into shore-side electricity at



POLB and improve air quality. K Line specializes in vessel, ocean terminal, and double-stack train operations and movement for containerized, car carrier, bulk, and energy cargoes.

Industry estimates put ship conversion costs at a minimum of \$150,000-\$500,000 per vessel, and electricity costs can run in the thousands of dollars per visit. In the Port of Los Angeles, it took a multimillion-dollar environmental lawsuit before one carrier agreed to plug in its ships. The cost of shore-side power infrastructure in Long Beach is estimated at more than \$10 million per berth; as a result, many shippers and terminal operators have been looking for a cheaper alternative.

The Port and K Line agreed to an historic "green" lease agreement last year that will transform K Line's International Transportation Service (ITS) facility, one of POLB's largest container terminals, into the most environmentally friendly facility at the Port. Guided by the Green Port Policy environmental ethic, the Port is planning more than \$600 million in improvements to the ITS facility, including the construction of a new deep-water berth powered with shore-side electricity to be ready next year.

Separately, Port customers Matson Shipping and British Petroleum have also agreed to cold-iron in the future. More information is at http://www.presselegram.com/business/ci_6117922 and <http://www.polb.com/civica/press/display.asp?layout=1&Entry=67>.

MANUFACTURERS' NEWS

More Idling Reduction Devices Now Available for Heavy-Duty, Long-Haul Trucks

Regulations and high fuel prices are some of the factors behind more and different types of idling reduction devices being offered by manufacturers to increase cab comfort in heavy-duty, long-haul trucks. Some are auxiliary power units (APU's) that provide heating and cooling along with generating electricity to power laptop computers, refrigerators, and microwaves. Other devices use battery power to keep the cab temperature at comfortable level. Below is a summary of all the news that has come our way over the past few months:

Video of Kenworth Clean Power™ System Now Available. Kenworth has recently unveiled its Clean Power no-idle system that uses dedicated, deep-cycle batteries to power a thermal storage cooler of-

fering 21,000 Btu's of cooling. A 4-minute video shows how, after the truck is shut off, a thermostat kicks in to regulate the desired temperature in the cabin. A variable-speed fan circulates chilled air in the bunk area. Kenworth claims that when the outside temperature is as high as 95°F, the cab can stay cool for up to 10 hours. In cold weather, a small thermostatically controlled diesel-fired heater comes into play. Computers and small appliances can be powered by a 110-V system, which can also accept shore power connections. The company also states that savings of up to 8 percent on fuel are possible with this system. The video is available at <http://www.kenworth.com> under "Clean Power Technology Tour" on the right side of the home page.

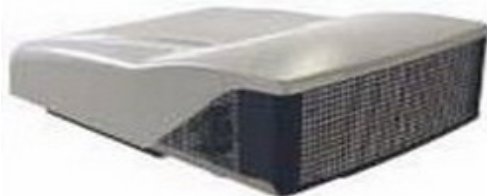


Truckers Like “Bling,” Too. For those truckers for whom there can never be too much chrome, Carrier Transicold now offers aftermarket kits for its ComfortPro™ APU and transport refrigeration unit (TRU). The kits come in a smooth chrome finish and a diamond-plate finish and can be quickly installed. The TRU covers for the X2-Series are white with black grill and trim, but they are also available



with chrome latches and a bright chrome grill. More information is available at http://www.trucktrailer.carrier.com/generic/0.2804,CL11_DIV7_ETI9198.00.html, and go to “News and ExtraMile” on the left side of the screen.

DC Power Launches New Air-Conditioner. DC Power Solutions says its roof-mounted 12- and 24-V DC Flex-Cool split unit is the latest addition to its offering of DC-powered air-conditioners. This high-efficiency split unit provides cooling from 5,800 to 11,500 Btu/hr, without idling an engine. The Flex-Cool technology uses the truck's starting or auxiliary batteries



to power the air-conditioner, employing a battery monitor and control to prevent discharging below the voltage required to start the engine. The air-conditioner is said to provide significant savings in fuel and maintenance costs, along with reductions in engine wear. The DC Flex-Cool can also be used for cooling while driving, reducing the engine load and providing further fuel savings. Please see <http://www.dcpowersales.com/news.htm> for more information.

Belts and Pulleys are Hallmark of CabRunner Integrated Power System. The CabRunner System is integrated with the truck's existing accessory system to provide heat, air-conditioning, lighting, and power for the tractor and trailer. It also keeps the main engine ready for an easy startup. The system uses a diesel engine to drive a slightly modified Accessory Belt Drive System (ABDS), which drives all the truck's accessories when the truck engine is not running. This is accomplished by an innovative pulley design that allows either the CabRunner system or the truck engine to operate the ABDS. On the highway, the truck engine is in control. In the parking lot, the CabRunner system takes over. The company claims diesel fuel savings of up to 60 percent compared to idling, and accessories can be operated using in-cab controls. More information is available at http://www.gates.com/brochure.cfm?brochure=5189&location_id=534.

Willis Claims Best Cooling on the Planet. The Willis APU (please see <http://www.willisapu.com>), according to the company, offers cab cooling to 100°F and above. It uses a 3-cylinder Kubota engine to run the APU and has an integrated alternator, heat exchanger, and air-conditioning compressor. The APU also uses about an average of 1 pint/hour of diesel fuel in the normal heating mode and an average of over 1 quart/hour of diesel fuel during air-conditioning mode, as compared to 1.0-1.2 gallons/hour when idling the main tractor engine.



Espar Earns 2008 CARB Certification

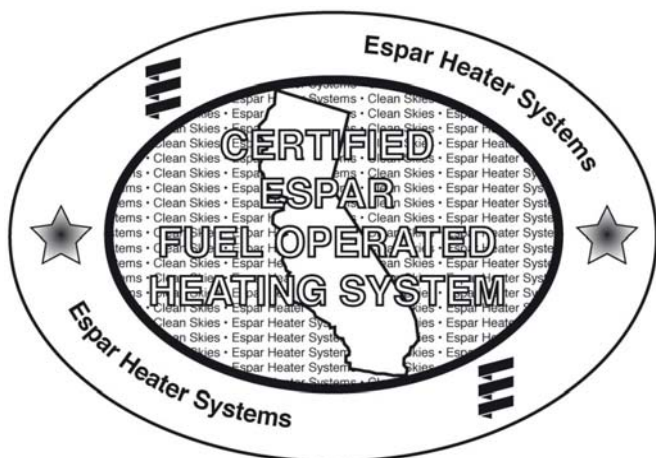
As of January 1, 2008, all fuel-fired heaters (bunk heaters and engine pre-heaters) in diesel commercial vehicles will have to meet stringent new emission standards in California. CARB's Ultra Low Emission Vehicle (ULEV) II regulations go into effect at that time, and as a result, all diesel-powered commercial vehicles –regardless of model year -- weighing more than 10,000 pounds will not be allowed to idle for more than 5 minutes in the State of California. The regulation applies to exhaust emissions from cabin comfort devices, such as heaters and APU's. These vehicles must be equipped with an automatic shut-down device that kicks in after 5 minutes of idling. Fines could be \$1,000 per day from the California Department of Transportation and Highway Patrol, violators could face criminal charges, and no idling could be done within 100 feet of a residence. APU's would have to meet the same emission requirements as engines manufactured starting with the 2007 model year, a tough technical challenge. Idling is acceptable only when the truck is stuck in traffic or immobile

due to adverse weather, is being inspected or serviced, or is operating a power take-off device. CARB's position is that truckers should have battery-powered APU's, fuel-fired heaters, or use electrified parking spaces at truck stops or other locations where such equipment is installed.



Espar has announced that it is the first manufacturer to meet the certification requirements for three models of its heaters: the Airtronic D2, a small bunk heater; Airtronic D4, a large bunk heater; and the Hydronic 5,

and engine pre-heater. These heaters will be shipped with two stickers to show compliance: one for the driver and one on the equipment itself. More information is available at <http://www.todaystrucking.com/news.cfm?intDocID=18152>, <http://www.todaystrucking.com/news.cfm?intDocID=18071>, and <http://www.fleetowner.com/news/espar-heater-systems-carb-0618/index.html>.





Trucker-Invented APU Now Available Only on Mack Trucks

Robert Jordan, a long-haul trucker, used his time on the road to devise a system that could keep in comfortable no matter what the weather, without the need to idle. His Idle Free Hybrid System, which is now available on Mack Trucks, uses absorbed glass mat (AGM) batteries to provide stored electrical power for heating, air-conditioning, and appliances. The five batteries are stored under the bunk in the sleeper compartment, and can be recharged by the truck's alternator when the engine is running, connected to shore power, or through a connection to the reefer unit for tractors hauling refrigerated loads. When the truck is parked, the driver can use either shore power or battery power to maintain cab comfort.

The Idle Free Hybrid System uses a Xantrex Prosine 2,000-W inverter/charger to control and regulate electrical power, as well as to charge the Idle Free batteries and the truck's batteries. The Odyssey AGM 31 batteries can run the air-conditioner for 10 hours when the

outside air temperature is 90°F. Mack's complete climate control package includes a Webasto diesel-fired heater and a Dometic HVAC unit. The total weight of the system, including five batteries, inverter, HVAC, and controls is 370 pounds, less than the 400-pound weight exemption in the 2005 Energy Policy Act. According to Mack, the system is quiet, maintenance free, and not subject to idling restrictions.

Jordan has earned the 2006 *Overdrive* Trucker of the Year Award from *Overdrive* magazine and a Gold Medallion and Friend of the Environment Award in 2004 from the Minnesota Inventors Congress. For more information, please go to <http://www.etrucker.com/apps/news/article.asp?id=60570>, <http://www.macktrucks.com/default.aspx?pageid=2092>, <http://inventhelper.org/b-index.html> and go to the 2004 medal in the lower right-hand corner of the screen, and www.idlefree.net.

Marten Transport Orders 2,000+ Thermo King TriPac's

Refrigerated truckload carrier Marten Transport has ordered more than 2,000 Thermo King TriPac™ APU's to be installed over the next 18 months on its company-owned tractors. Marten gained experience with the performance of TriPac while it was testing the effectiveness of the TriPac system through a grant from the State of Wisconsin. The TriPac system provides drivers with heat, engine pre-heat, air conditioning, accessory power and battery charging while reducing idling, conserving fuel and extending tractor engine service intervals. After the installation of the APU's, the company expects to eliminate

idling while maintaining driver comfort. Given the current cost of fuel, the company also expects to save \$1 million per month and pay for the system in 12-18 months. Marten has a fleet of more than 2,500 tractors and 3,900 trailers and is ranked No. 53 on the *Transport Topics* 100 listing of U.S. and Canadian for-hire carriers. For more information, please go to <http://www.thermoking.com/tk/index.asp> and <http://www.ttnews.com/articles/basetemplate.aspx?storyid=17782>. Source: Mike O'Brien, Ingersoll Rand Climate Control Technologies



Fontaine Inks Deal with Carrier ComfortPro to Install APU's

Carrier Transicold has signed up Fontaine Modification to be its largest single installer of the ComfortPro APU for new trucks. The ComfortPro APU provides climate control for heating and air-conditioning as well as AC power supply, truck battery charging, engine warming, and optional shore-power connectivity. The arrangement allows trucks built at an OEM plant to be diverted to an adjacent intermediate manufacturing facility run by Fontaine to install the APU. After the installation, the truck is then returned to the OEM freight system for delivery to the next or final destination with little or no additional freight or logistics costs.

Fontaine's extensive knowledge of all truck types provides added assurance that installations are done in a manner that will not void any

new-equipment warranties. As part of the agreement, Carrier provides training, certification, and support to Fontaine's installation technicians. Fontaine Modification provides warranty activation for customers as well as pre-delivery inspection.

Carrier noted that fleets placing new truck orders will now have a turn-key partner for the ComfortPro system that will install it exactly to the specifications of the tractor/sleeper configuration. More information is available at

http://www.trucktrailer.carrier.com/generic/0,2804,CL11_DIV7_ET19198,00.html and

http://www.fleetowner.com/news/fontaine_to_install_carrier_comfortpro/index.html.

OTHER NEWS OF INTEREST

DOE to Work with Mack Trucks on Advanced Commercial Vehicles

DOE recently announced that it plans to work with Mack Trucks to develop environmentally friendly commercial vehicle technologies. DOE and Volvo AB, the parent company of Mack Trucks, are currently negotiating the terms of the cost-shared project, which will aim to increase the fuel economy and reduce the greenhouse gas emissions of new long-haul trucks by more than 10 percent. The project, which is valued at about \$9 million, will also include the development of advanced hybrid vehicle technology and conversion of waste heat to useful energy for heavy-duty diesel engines. Much of that work will be

performed by Volvo Powertrain North America. The company also noted that Mack is also partnering with the U.S. Air Force in the development of heavy-duty hybrid trucks as another step in bringing this very clean technology to the commercial marketplace. More information is available at

http://www.eere.energy.gov/news/news_detail.cfm/news_id=11094

and <http://www.fleetowner.com/news/volvo-mack-trucks-us-doe-environment/index.html>.



D.C. Extends Discounted Tour Bus Parking

To relieve congestion and tour bus idling in the District of Columbia, the Downtown Business Improvement District of the District of Columbia, the Office of the Deputy Mayor for Planning and Economic Development, the Washington Convention Authority, and City Center Parking lot operators have extended a coordinated promotion for tour bus parking at the City Center parking lot at the site of the Old Convention Center. This effort started as part of the 2007 National Cherry Blossom Festival® and had been scheduled to end on April 15, 2007. The new expiration date is December 31, 2007. A revised rate structure offers a subsidized rate of \$15 for tour bus operators when parking for

shorter periods of time and offers in-and-out privileges within a 24-hour period for \$35.

During the first month of the promotion, the number of tour buses at the City Center parking lot increased 41 percent. The parking lot, which will become the site of a building at some future time, covers 10 acres and has a parking capacity of 1,000 spaces, including 30 spaces for tour buses. *Source:* Vanessa Reisin, Downtown Business Improvement District

Motor Coach Idling Solution Now Offered

Craufurd Manufacturing has designed what it dubs the Universal Bus Anti-Idling System, which allows motor coaches to plug into a stationary, stand-alone heating and air-conditioning unit. Conditioned air from each unit is delivered by an insulated duct that is directly incorporated into the bus's system. The capacity of the unit is 22,000 Btu's. The unit also supplies power to the lighting onboard the bus. A power pedestal is placed at the front of the terminal parking space that is

connected to the parked bus while it is parked and during loading of passengers. The on-board unit, which can be placed in the baggage storage compartment near the main heating/cooling unit, takes up 8.75 cubic feet and weighs 150 pounds. The system costs \$5,000. Please go to <http://www.craufurdmanufacturing.com> for more information. *Source:* Paul Bubbosh, EPA

CSS is Looking for a Few Good Trucks

Cascade Sierra Solutions (CSS) is starting a truck replacement program for port trucks and other drayage trucks. In order to qualify for the program, trucks would have to have excellent maintenance records and be approximately 5-6 years old. The program would accept donations of trucks from a dealer or CSS would purchase the trucks at wholesale. The trucks would be retrofit with a level 3 device, and the engine would be reprogrammed with speed governors and idling re-

duction equipment. CSS would offer low-cost financing at about \$500 a month or less. To date, six dealers are participating in the program. The organization is seeking funding from government programs, such as the Carl Moyer Program, to pay for the level 3 retrofit. Please contact Sharon Banks at CSS (Sharon@cascadesierrasolutions.org) for more information. *Source:* Kristin Riha, EPA Region 9



RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Here are a few sites that might be of help to you. Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)

- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102>)
- Thermo King (<http://www.thermoking.com/tripac/>)

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's (DOE) Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show TSE Locations

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, Na-

tional Clean Diesel Campaign Retrofit Projects, School Bus USA Projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Lawyers in the Federal Highway Administration interpreted the language to mean that each State would have to adopt that provision. The table below will be updated as States

adopt the exemption. URL's are provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table.]



State	Bill	URL	Status
Arkansas			As of April 23, 2007, Arkansas Highway Police (AHP), a Division of the Arkansas Highway and Transportation Department, will accept an APU weighing up to 400 pounds so long as the driver has a written certificate to that effect and the APU is fully functional at all times (AHP Enforcement Policy 07-03-030).
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/legsrv-bills/searchBillNumber.do and insert "8" in the search box	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Died upon adjournment of the Legislature on June 21, 2007.
Missouri	HB 488, an Act to Amend Chapter 135, RSMO, by Adding Thereto One New Section Relating to a Tax Credit for the Use of Idle Reduction Technology	http://www.house.mo.gov/bills071/biltxt/perf/HB0488P.HTM	Died upon adjournment due to no final vote in the Senate.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtm#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.



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NATIONAL IDLING REDUCTION NETWORK NEWS

May 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
New Jersey Department of Environmental Protection	New Jersey Truckers Challenge	\$750,000	Rolling deadline until funds are fully awarded	http://www.njmta.org/images/pages/Grant_Pr e Approval Application.pdf
U.S. Environmental Protection Agency (EPA)	Region 5 Clean School Bus USA	\$700,000	June 22, 2007	http://www.epa.gov/midwestcleandiesel/grants/csb-rfp07.pdf
	Region 3 Clean School Bus USA	\$680,000	June 26, 2007	http://www.epa.gov/reg3artd/diesel/news.htm
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$1 million starting July 1, subject to legislative approval	Applications accepted starting July 1, 2007	http://commerce.wi.gov/dieselgrantprogram
U.S. Department of Agriculture	Conservation Innovation Grant for Rhode Island	\$178,000	July 6, 2007	http://www.grants.gov/search/search.do?mode=VIEW&opId=14279
EPA	Northeast Diesel Collaborative Emissions Reduction Grants	~\$1.7 million	July 31, 2007	http://www.epa.gov/region02/grants/nedc_rfp_final_060707.pdf
EPA Region 5	Midwest Clean Diesel Leadership Awards	N/A	September 1, 2007	http://www.epa.gov/midwestcleandiesel/leadershipgroup/lqawards.html
Ohio EPA	Clean Diesel School Bus Fund	<\$1 million	September 1, 2007	http://www.epa.state.oh.us/oeef/html/schoolbus
EPA	SmartWay Transport Partnership Affiliate Challenge	N/A	September 12, 2007	http://www.epa.gov/smartway/documents/420f07034.htm



Organization	Project	Funding	Deadline	Website
New York State Energy Research and Development Authority (NYSERDA)	Round 2 of PON 1143, Advanced Transportation Technologies	<\$4 million	September 27, 2007	http://www.nyserda.org/funding/funding.asp?i=2 and search for PON 1143
Society of Automotive Engineers	Environmental Excellence in Transportation (E2T) Award	N/A	October 15, 2007	http://www.sae.org/news/awards/list/e2t/

UPCOMING MEETINGS

Meeting	Location	Date	Website or Contact
CARB Commercial Harbor Craft Workshop	San Pedro, California	June 27, 2007	http://www.arb.ca.gov/msprog/offroad/marinevess/harborcraft.htm
Transportation Research Board 32d Annual Summer Ports, Waterways, Freight, and International Trade Conference	Chicago, Illinois	July 7-9, 2007	http://gulliver.trb.org/news/blurb_detail.asp?id=7373
CARB Carl Moyer Program Guidelines Workshops	Sacramento, El Monte, and Fresno, California	July 9, 12, and 18, 2007, respectively	http://www.arb.ca.gov/msprog/moyer/2008guideline_updates.htm
CARB Draft Rail Yard Health Risk Assessments and Potential Mitigation Measures Meeting	TBD	July 11, 2007	http://www.arb.ca.gov/railyard/community/community.htm
U.S. Department of Energy (DOE) Diesel Engine-Efficiency and Emissions Research Conference	Detroit, Michigan	August 12-16, 2007	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html



Meeting	Location	Date	Website or Contact
National Center for Vehicle Emissions Control and Safety 23d Annual Clean Air Conference	Breckenridge, Colorado	September 24-27, 2007	http://ncvecs.colostate.edu/cac.docs/cac23/CAC23_announce.html

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, and June 1, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
Alternative Fuels & Vehicles Conference + Expo 2007	Anaheim, California	April 1-4, 2007	http://www.afvi.org/2007ConferencePresentations/index.html
CARB In-Use On-Road Diesel Vehicle Workshop	Sacramento and El Monte, California	April 11 and 17, 2007, respectively	http://www.arb.ca.gov/msprog/onrdiesel/presentations.htm
Workshop on Innovative Funding for Clean Diesel Initiatives	Philadelphia, Pennsylvania	April 23-24, 2007	http://www.dieselmideatlantic.org/diesel/events/2007_04DieselFundPres.html
CARB Commercial Harbor Craft Emissions Inventory	Sacramento, California	April 24, 2007	http://www.arb.ca.gov/harborcraft
Tri-State Idle Reduction Conference	Willowbrook, Illinois	May 10, 2007	http://www.smartidle.com/conference.html



AWARDS AND RECOGNITION

FHWA Makes Awards for Environmental Excellence

In response to its solicitation for awards for environmental excellence in transportation, the Federal Highway Administration (FHWA) recently made 13 awards in 12 separate categories. The recipients were selected from 174 entries from around the Nation. In the category of Air Quality Improvement, Sharon Banks, CEO of Cascade Si-

erra Solutions, was the winner for the project "I-5 Corridor: Saving Fuel and Reducing Pollution" project. More information about the winners and the awards is available at

http://www.fhwa.dot.gov/environment/eea2007/air_quality.htm.

Source: Diane Turchetta, FHWA

EPA Clean Air Awards Acknowledge Idling Reduction Activities

EPA's 7th Annual Clean Air Excellence Awards recently recognized 13 businesses, organizations, and individuals from 75 applicants from around the country for outstanding accomplishments in reducing air emissions. The Clean Air Excellence Awards program is broken into five categories, including one for Clean Air Technology and another for Transportation Efficiency Innovations. RailPower Hybrid Corporation of Erie, Pennsylvania, received recognition in the Clean Air Technology category for its ultra-clean hybrid switcher locomotives, while Lane Regional Air Protection Agency of Springfield, Oregon, received an award in the Transportation Efficiency Innovations category for its Everybody Wins program that helps truckers purchase auxiliary power units (APU's).

In addition, former Collin County (Texas) Judge Ron Harris was recognized for his outstanding individual achievement in helping to secure funding for the Texas Emission Reduction Plan (TERP), which now has over \$150 million to improve air quality in Texas. Some TERP monies have been used for truck stop electrification and to purchase APU's. TERP has more money to clean up diesel engine exhaust than all similar programs in the United States combined. More information is available at

<http://www.epa.gov/air/caaac/2006awar.html>,

<http://www.railpower.com>, and <http://www.lrapa.org/>.



REGULATORY NEWS

Status of 400-Pound Weight Exemption for Idling Reduction Devices

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adopt the exemption. URL's are provided so that interested parties, such as trucking companies, can work with their State trucking associations to make sure that enforcement officials are aware of changes in the laws. Please feel free to provide updates for this table.]

State	Bill	URL	Status
Kansas	SB 8, An Act Concerning Motor Vehicles	http://www.kslegislature.org/bills/2008/8.pdf	Approved by Governor Sebelius on April 14, 2007.
Maine	LD 265 (HP 221), An Act to Allow a Weight Tolerance for Vehicle Auxiliary Power Units	http://janus.state.me.us/legis/LawMakerWeb/externalsiteframe.asp?ID=280022617&LD=265&Type=1&SessionID=7	Awaiting report on revenue impact on Highway, General, and Law Enforcement Agency Reimbursement Funds.
Oregon	SB 223, An Act Relating to Exemption from Weight Limitations for Vehicles with Idle Reduction Systems	http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml#SB223 APU weight allowance	Governor Kulongoski signed the bill on May 7, 2007, and it was effective immediately.

Vermont Bans School Bus Idling on School Grounds

Starting at the beginning of the 2007-2008 school year, school buses in Vermont will no longer be permitted to idle when they are parked on school grounds, except under special circumstances. Anti-idling signs

stating "Please turn off your engines for our health" will go to every school. The new law not only bans school buses from idling, but also does not preclude a local school board from restricting idling on



school grounds for all vehicles. School children learned a civics lesson as they lobbied the legislature for this restriction.

S.0013, The Idling of Motor Vehicle Engines on School Property, was signed into law on May 25, 2007. Please go to

<http://www.burlingtonfreepress.com/apps/pbcs.dll/article?AID=/20070526/NEWS02/705260304/1007/NEWS05> and <http://www.leg.state.vt.us/docs/legdoc.cfm?URL=/docs/2008/acts/ACT048.HTM> for more information.

Minnesota to Start New Retrofit and Loan Program

The Minnesota legislature has recently set up a one-time appropriation of \$2.4 million for the next 2 years to retrofit school buses State-wide and establish a loan program for small trucking companies to install equipment to reduce fuel consumption. SF 2096, an omnibus bill, establishes the use of funds for these purposes. Please go to

<http://www.revisor.leg.state.mn.us/bin/bldbill.php?bill=S2096.3.html&session=ls85> and http://www.landlinemag.com/todays_news/Daily/2007/Jun07/060407.htm/060707-01.htm for more information.

California Looks to Limit Reefers to 2001 and Newer Model Years

Use of refrigerated trailers, or “reefers,” will be limited in California as soon as December 2008 if the CARB has its way. Only reefers that are 2001 and newer will be allowed there, and as time goes on, restrictions will tighten. Models from 2002 will be excluded by 2009, and so on. Retrofits for these years will be allowed. CARB estimated last year that the cost of retrofitting or replacing trailers would be between \$2,000 and \$20,000.

Retrofitting of older reefers must reduce emissions by 50 percent for 2001 and older models, and 2002 and newer trailer retrofits must re-

duce emissions by 85 percent. California-based trucking companies are required to register their reefers and place identification numbers on the trailers. This ruling would also apply to all reefers that enter California, whether they are based there or not. However, before being implemented, the rule must be granted an exemption by the EPA from the Clean Air Act. More information is available at http://www.landlinemag.com/todays_news/Daily/2007/Apr07/043007.htm/043007-02.htm.



NEW REPORTS OF INTEREST

Source	Title	Website or Contact
CARB	<i>Draft Rail Yard Risk Assessments and Mitigation Measures</i>	http://www.arb.ca.gov/railyard/hra/hra.htm
Delaware Department of Transportation and the Center for Energy and Environmental Policy	<i>Investigating the Cost, Liability and Reliability of Anti-Idling Equipment for Trucks</i>	http://ceep.udel.edu/publications/energy/reports/ and search for this title
Diesel Technology Forum	<i>CMAQ Funded Diesel Retrofit Projects: A Guide to Understanding and Accessing the Congestion Mitigation and Air Quality Program</i>	http://www.dieselforum.org/policy-insider/cmaq/
DOE	<i>21st Century Truck Partnership Roadmap and Technical White Papers</i>	http://www1.eere.energy.gov/vehiclesandfuels/about/partnerships/21centurytruck/index.html
Emisstar	<i>Research of Three Supplemental Emissions Reduction Measures For Potential Implementation in the NYMTC Region</i>	http://www.emisstar.com/resources_research.php
EPA	<i>The Cost-Effectiveness of Heavy-Duty Diesel Retrofits and Other Mobile Source Emission Reduction Projects and Programs</i>	http://www.epa.gov/cleandiesel/publications.htm



Source	Title	Website or Contact
EPA	<i>Diesel Retrofit Technology: An Analysis of the Cost Effectiveness of Reducing Particulate Matter and Nitrogen Oxides Emissions from Heavy-Duty Nonroad Diesel Engines Through Retrofits</i>	http://www.epa.gov/cleandiesel/publications.htm
Oregon State University	<i>Fleet and Owner-Operator Capacity for Utilizing Idle Reduction Technology: A Report to the U.S. Environmental Protection Agency</i>	http://inr.oregonstate.edu/download/idle_free_final_report.pdf
Port of Seattle, Port of Tacoma, and Vancouver Port Authority	<i>Northwest Ports Clean Air Strategy</i>	http://www.portseattle.org/downloads/community/environment/NWCleanAirStrat_20070516.pdf

NEWS ABOUT PORTS

Pacific Northwest Ports Launch Effort to Reduce Maritime Emissions, Use Shore Power

The Ports of Seattle and Tacoma, Washington, along with the Port of Vancouver, British Columbia, have begun a coordinated program to reduce emissions from trucks, cargo ships, and other port yard equipment. The driver for this effort is the recently released *Pacific Northwest Ports Clean Air Strategy*, which lists sources and amounts of various types of maritime-related air pollutants.

For ocean-going vessels, the plan suggests the near-term use of cleaner fuels at berth and at anchor, use of shore power where available and evaluation at other cruise berths, and studying the feasibility of expanding shore power or infrastructure for other at-dock treatment of emissions. For the long term, there would be installation of ship-side or shore-side power at berth for cruise ships.



Among the measures proposed for cargo-handling equipment would be implementation of idling reduction education, technology, and policy programs to assure that everyone at the terminal is following the established anti-idling policies and procedures. Hybrid vehicles would be used as would alternative-fueled equipment.

Railroads would contribute to cleaner air by installing anti-idling equipment and education programs for railroad staff. Cleaner fuels would be used to reduce emissions along with demonstration projects of recapturing electricity during line haul. Electrification of switch yards would be evaluated.

The ports will continue to work together over the summer with their customers, tenants, and other stakeholders to iron out the details. The plan will be submitted in the fall to the Port of Seattle and Port of Tacoma Commissions and to the Vancouver Port Authority Board of Directors for final approval in December 2007. Further information is available at http://www.portseattle.org/news/press/2007/05_16_2007_30.shtml and the reference to the report listed in the above table on the preceding page.

Evergreen Launches Ever Safety

Mitsubishi Heavy Industries has launched the *Ever Safety*, the ninth of 10 7,024 20-foot equivalent unit (TEU) series ships built for Evergreen Line in Kobe, Japan. The ship will be delivered in October 2007 and will be put into transpacific service. This S-series ship is designed to minimize its impact on the environment during normal operations and in the unlikely event of an accident. Among its environmentally sensi-

tive characteristics is the ability to use cold ironing so that all ship-board generators are shut down while in port. The ship can switch to shore-side electricity while she is in port, thus minimizing pollution from diesel fuel. More information can be found at <http://www.cargonewsasia.com/secured/article.aspx?id=3&article=13153>.

TRUCK STOP ELECTRIFICATION

"Network Effect" Taking Hold for IdleAire, Losses Continue

For the first quarter of 2007, IdleAire Technology Corporation reported that it now has truck stop electrification (TSE) equipment at 108 locations in 29 States, revenues increased by almost 300 percent to \$6.5 million, and fleet utilization of its facilities increased to almost 87 percent. One goal of the company was to have a network of at least 100

locations, and that so-called "network effect" is taking hold in terms of increased utilization and visibility along high-volume freight delivery routes. The network had a total of 7,156 parking spaces as of March 31, 2007. Compared to 487,000 hours a year ago, hourly usage in-



creased over 400 percent to 2.6 million hours in the first quarter of 2007, yielding a fuel saving of 2.5 million gallons.

IdleAire also announced a strategic alliance with J. J. Keller & Associates, a company that provides commercial driver and safety-related training. Having the option of attending training classes in one's cab affords the driver the opportunity to brush up on driving skills without having to return to his or her company headquarters for that purpose. A benefit to IdleAire is that it also increases utilization of parking spaces at travel centers.

For the 3 months ending on March 31, 2007, IdleAire reported net revenues of \$6.5 million, a 291-percent increase over net revenues of

\$1.7 million for the same 3 months last year. Operating expenses increased \$13.5 million, or 172 percent, for the 3 months ending on March 31, 2007, compared to the same period in 2006, due principally to increases associated with the "net" addition of 83 new sites and increased corporate overhead. The company announced that it expects to continue to incur net losses for the near future as it accelerates building and opening new sites. The net loss for the 3 months ending on March 31, 2007, was \$21.9 million, compared to a net loss of \$11.9 million for the 3 months ending on March 31, 2006; this increase was principally due to costs associated with the network deployment and the related net interest expense. More information is available at

http://www.idleaire.com/newsroom/releases/05_14_2007.jsp.

NEWS ABOUT RAILROADS

GE Introduces Hybrid Road Locomotive

General Electric Company (GE) recently unveiled a prototype hybrid road (not switcher) locomotive in Los Angeles, California. The 4,400-hp Evolution Hybrid diesel-electric locomotive uses batteries to capture and store energy dissipated during dynamic braking. The energy stored in the batteries is then used to help the train accelerate from a stop, reducing fuel consumption and emissions by up to 10 percent compared to most of the freight locomotives in use today. The energy dissipated in braking a 207-ton locomotive during the course of 1 year is enough to power 160 households, according to GE.

The Evolution Hybrid is the first hybrid locomotive designed for long-distance travel and uses a new type of lead-free rechargeable batteries. More work will be conducted on improving the batteries and control systems before offering pre-production units to customers for field validation. The technical development of the energy storage system modules, the energy management system, the locomotive consist manager, and the trip optimizer were a result of cost-sharing between DOE and GE. For more information, please go to http://home.businesswire.com/portal/site/ge/index.jsp?ndmViewId=news_view&ndmConfigId=1001109&newsId=20070523005908&newsLang=en&vnsId=681.



Idling Locomotives Anger Local Residents in 3 States

Three localities have sought solutions to the idling of locomotives in their neighborhoods. Residents complain about noise, poor air quality, and vibrations given off by the trains. Below are examples of situations where the residents have tried to regain peace, quiet, and good air:

Pan Am Railways (aka Guilford) Continues to Idle in Massachusetts. According to residents of Andover, Massachusetts, Pan Am Railways, formerly known as Guilford Rail System, is still idling its locomotives there. Residents have not yet benefited from Guilford's claim that the company is planning to install idling reduction equipment on its freight trains. Problems with trains idling in Andover have gone on since 1998 and culminated in a law suit in Federal District Court in April 2005 (please see November 2006 issue of this newsletter for more information). The railroad agreed to install APU's on all 105 locomotives over the next 4 years at the rate of 2 locomotives per month. More information can be found at http://www.eagletribune.com/local/local_story_147093823.

NJ Transit Trains May Cease Idling in New York State. As a follow-on to the situation mentioned in the April 2006 issue of this newsletter, residents unhappy with New Jersey Transit (NJ Transit) trains idling in the Woodbine train yard in Spring Valley, New York, have received some assistance from scientists at Columbia University's Lamont-Doherty Earth Observatory. The scientists used leftover grant money from the National Institute of Environmental Health Sciences in May 2006 to examine air quality near the train yard. Their tests

showed a direct correlation between poor air quality and the nights when the trains are left idling.

EPA has joined it, pledging help to find a solution and pointing out the technologies available to reduce the need to idle 10 locomotives in the rail yard. In addition, EPA is asking that NJ Transit come up with a timetable or plan to reduce any idling. NJ Transit is also showing "good cooperation," according to articles in *The Journal News*. The full articles are at

<http://www.thejournalnews.com/apps/pbcs.dll/article?AID=/20070506/NEWS03/705060413/1019/SPECIAL02>,
<http://www.nyjournalnews.com/apps/pbcs.dll/article?AID=/20070520/NEWS03/705200415> and
<http://www.nyjournalnews.com/apps/pbcs.dll/article?AID=/20070524/OPINION/705240332/1151>. Source: Joe Tario, NYSERDA

Freight Train Idles for More than 13 Hours in Illinois. A train of mostly tanker cars idled in Justice, Illinois, angering many residents who lived near the tracks. They were unhappy not only about the soot and the smell, but the lack of knowledge of exactly what the tank cars contained and possible security issues. CN and Burlington Northern Santa Fe (BNSF), which respectively own the tracks and the train, said the incident was not their fault. They blamed the situation on the Federal Hours of Service for train crews and full freight yards in Chicago. One reason locomotives idle is to power a compressor that keeps the air brakes functioning, even while the train is disabled to keep it from moving. More information is available at <http://www.dailysouthtown.com/news/391677,train-518.article>.



SCAQMD to Appeal Federal Ruling Barring Limits to Idling Trains

The South Coast Air Quality Management District (SCAQMD) plans to appeal the April 2007 Federal District Court ruling striking down three SCAQMD rules aimed at reducing diesel emissions from idling locomotives. The District Court decision resulted from a lawsuit (#CV06-1416) filed by Union Pacific Railroad Company, BNSF Railway Company, and the American Association of Railroads against SCAQMD in March 2006. SCAQMD had held that it had the authority to limit locomotive idling to 30 minutes and require the railroads to track idling times. The air-quality agency also wanted the railroads to assess the

health risks of residents living near the 19 rail yards in Southern California. The Federal judge sided with the railroads in agreeing that SCAQMD had no authority to regulate what is pre-empted by Federal regulations protecting interstate commerce. More information is available at

http://www.pe.com/localnews/transportation/stories/PE_News_Local_B_rail19.9e7245.html and
<http://www.aqmd.gov/news1/2007/AppealRailroadDecision.html>.

OTHER NEWS OF INTEREST

Washington National Cathedral Opens First Underground Garage in D.C.

There has long been a shortage of parking for tourists and worshippers at the Washington National Cathedral in Washington, D.C. A new, \$34-million underground garage for both tour buses and automobiles has recently opened. The bus garage is driver friendly, accommodates 18 tour buses, and features restrooms and a lounge for drivers.

As the Washington, D.C., area is often viewed as the tour bus capital of the United States, idling of tour buses is increasingly a problem. The National Cathedral attracts about 180,000 visitors each year by bus, thus making it a major tourist area. Taking idling buses off the local streets will allow not only for better pedestrian safety but better air quality for the residents. More information can be found at
http://www.episcopal-life.org/81803_85882_ENG_HTM.htm.

SmartWay Certified Trucks Now Available

Certain models of Freightliner, International, Kenworth, Mack, Peterbilt, and Volvo trucks have been designated as SmartWay Transport Partnership trucks. These trucks are equipped with 2007 EPA-compliant engines along with the SmartWay Upgrade Kit, which in-

cludes idling reduction devices, such as auxiliary power units (APU's); generator sets; direct-fired heaters; battery-powered heating, cooling, and ventilation systems; or automatic engine start/stop systems. EPA plans to set more ambitious performance targets for the Smart-



Way-recognized tractor-trailer combination in the future. EPA is also developing guidelines for recognizing other vehicles such as delivery vans, in which hybrid technology can dramatically improve fuel efficiency. Please go to

<http://www.epa.gov/smartway/documents/420f07033.htm> for the detailed specifications and information on becoming a SmartWay partner. *Source:* Paul Bubbosh, EPA Headquarters

TTI and EPA Launch Website to Advance TSE

Researchers at the Texas Transportation Institute (TTI) have finished the first phase of a 3-year project for the EPA SmartWay Transport Partnership designed to help reduce impact of idling long-haul trucks on the environment. EPA estimated that these trucks waste 300,000 gallons of diesel fuel in unnecessary idling every day, causing an estimated 500 tons of nitrogen oxides to be released into the atmosphere.

The TTI project resulted in a nationwide deployment strategy for truck stop electrification (TSE) and a user-friendly web tool that pinpoints

ideal locations for this technology. The project identified 15 major truck corridors along the U.S. interstate system and ranked them in terms of potential for TSE. The web tool generated from the TTI project enables users to zoom to a map of a State, corridor, or a specific zone within the corridor. Information about that area is on screen, including the truck stops in the zone that can be converted to TSE locations. The web tool is located <http://tse.tamu.edu/>. For more information, please contact Joe Zietsman (zietsman@tamu.edu) or 979-458-3476) at TTI. *Source:* Paul Bubbosh, EPA Headquarters

CTA Looks for Incentives for “Green” Trucks

The Canadian Trucking Alliance (CTA) is seeking support from its industry suppliers in its attempt to lobby for a new initiative called the enviroTruck program. This program would seek tax credits and/or other financial incentives from the Canadian government for the purchase or lease of new trucks equipped with the 2007 engines, which meet clean environmental standards in the United States and Canada. These new engines can cost as much as \$10,000 more than pre-2007 engines.

For the purpose of this initiative, the “green” trucks would also be equipped with APU’s and other devices similar to those in the U.S. EPA SmartWay Upgrade Kit. They would also have speed limiters and allow for double trailers. More information is available at http://www.cantruck.com/news/news/2007/ctapr_2007_06_04_163117_rt.php3 and <http://www.todaystrucking.com/news.cfm?intDocID=18005>.



RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Here are a few sites that might be of help to you. Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)

- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA (<http://www.epa.gov/otag/smartway/calculator/loancalc.htm>)
- Espar (<http://www.espar.com/html/service/calculator/calculator.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's (DOE) Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show TSE Locations

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, Na-

tional Clean Diesel Campaign Retrofit Projects, School Bus USA Projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Editor

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NATIONAL IDLING REDUCTION NETWORK NEWS

April 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
North Central Texas Council of Governments	North Texas Emission Reduction grants for vehicular NO _x reduction projects, including on-site electrification and auxiliary power units (APU's)	~\$5 million	Rolling deadline until funds are fully awarded	http://www.nctcog.org/trans/air/programs/terp/cfps/index.asp
U.S. Department of Agriculture (USDA)	Rhode Island Conservation Innovation Grant	\$176,000	May 18, 2007	http://www.grants.gov/search/search.do?mode=VIEW&oppld=13518
U.S. Environmental Protection Agency (EPA)	Small Business Innovation Research Program	~\$3 million	May 23, 2007	http://www.fbo.gov/spg/EPA/OAM/CMD/PR%2DNC%2D07%2D10155/SynopsisP.html
California Air Resources Board (CARB)	Governor's Environmental and Economic Leadership Awards	N/A	May 25, 2007	http://www.arb.ca.gov/docs/2007/geela.pdf
USDA	Kentucky Conservation Innovation Grant	\$150,000	May 25, 2007	http://www.grants.gov/search/search.do?mode=VIEW&oppld=13556
	Iowa Conservation Innovation Grant	\$250,000	May 31, 2007	http://www.ia.nrcs.usda.gov/programs/CIG.html
	New York Conservation Innovation Grant	\$250,000	June 1, 2007	http://www.ny.nrcs.usda.gov/programs/programs/cig.html
Texas Emissions Reduction Plan (TERP)	Emissions Incentive Reduction Grants	Subject to amount of revenue in TERP account	June 1, 2007	http://www.tceq.state.tx.us/implementation/air/terp/erig.html



Organization	Project	Funding	Deadline	Website
Pennsylvania Department of Environmental Protection (DEP)	Energy Harvest Grant Program	\$5 million	June 15, 2007	http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4452
EPA	Region 5 Clean School Bus USA	\$700,000	June 22, 2007	http://www.epa.gov/midwestcleandiesel/grants/csb-rfp07.pdf
Wisconsin Department of Commerce	Diesel Truck Idling Reduction Grant Program	\$1 million starting July 1, subject to legislative approval	Forms available starting May 25, 2007, and applications accepted starting July 1	http://commerce.wi.gov/dieselgrantprogram
Ohio EPA	Clean Diesel School Bus Fund	<\$1 million	September 1, 2007	http://www.epa.state.oh.us/oeef/html/schoolbus
EPA	SmartWay Transport Partnership Affiliate Challenge	N/A	September 12, 2007	http://www.epa.gov/smartway/documents/420f07034.htm
New York State Energy Research and Development Authority (NYSERDA)	Round 2 of PON 1143, Advanced Transportation Technologies	<\$4 million	September 27, 2007	http://www.nyserda.org/funding/funding.asp?i=2

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm



Meeting	Location	Date	Website or Contact
Alternative Fuels & Vehicles Conference + Expo 2007	Anaheim, California	April 1-4, 2007	http://www.afvi.org/2007ConferencePresentations/index.html
CARB In-Use On-Road Diesel Vehicle Workshop	Sacramento and El Monte, California	April 11 and 17, 2007, respectively	http://www.arb.ca.gov/msprog/onrdiesel/presentations.htm
CARB Commercial Harbor Craft Emissions Inventory	Sacramento, California	April 24, 2007	http://www.arb.ca.gov/harborcraft

UPCOMING MEETINGS

Meeting	Location	Date	Website or Contact
CARB Public Meeting	San Diego, California	May 24-25, 2007	http://www.arb.ca.gov/regact/2007/ordiesl07/ordiesl07.htm
Economic and Technology Advancement Advisory Committee Public Meeting	Diamond Bar, California	May 31, 2007	http://www.arb.ca.gov/cc/etaac/etaac.htm#meetings
11th Canadian Pollution Prevention Roundtable	Winnipeg, Manitoba, Canada	June 13-15, 2007	http://www.c2p2online.com/main.php3?section=98&doc_id=65
Transportation Research Board 32d Annual Summer Ports, Waterways, Freight, and International Trade Conference	Chicago, Illinois	July 7-9, 2007	http://gulliver.trb.org/news/blurb_detail.asp?id=7373
U.S. Department of Energy (DOE) Diesel Engine-Efficiency and Emissions Reduction Conference	Detroit, Michigan	August 12-16, 2007	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html



Meeting	Location	Date	Website or Contact
National Center for Vehicle Emissions Control and Safety 23d Annual Clean Air Conference	Breckenridge, Colorado	September 24-27, 2007	http://ncvecs.colostate.edu/cac.docs/cac23/CAC23_announce.html

AWARDS FROM SOLICITATIONS

Pennsylvania Rewards Environmental Excellence in Trucking Fleets

The Governor's Award for Environmental Excellence continues to honor Pennsylvania businesses and organizations that put in place projects that tackle environmental problems and help build new businesses, enhance the bottom line, and engage residents in a renewed commitment to investing in their communities. Of the 12 winners recently announced, one award went to CARDONE Industries, a Philadelphia-based remanufacturer of automotive parts. The 36-year old, privately held company participates in the EPA National Environmental Performance Track program and is actively seeking ways to reduce emissions from its diesel truck fleet.

The November 2005 issue of this newsletter mentioned that CARDONE had won a \$63,000 from the Pennsylvania DEP Energy Harvest Grant Program to purchase 23 auxiliary power units (APU's). By June 2006, CARDONE had purchased and installed 23 RigMaster APU's on its long-haul fleet, estimating conservatively that it could reduce actual idle hours to 10 percent or less of the total operating hours. According to a company spokesman, the company expects to meet that goal in another year and a half.

CARDONE's baseline idling percentage for 2005 had been 28.4 percent. Their idle percentage for the first 6 months of 2006 was 23.9

percent with the APU's being installed during June. Main engine idling for the period of June-July 2006 was 3,357 hours less than the same 2-month period in 2005. Fuel savings for the 2 months at \$2.93/gal were about \$9,800. An annual net savings of 12,000 idling hours, which the company expects to meet or exceed (using EPA's "Emission Facts Study" February 2003), means a savings of 9,600 gallons (\$28,128 at \$2.93/gal) of fuel with a NO_x emission reduction of 3,703 pounds and a CO₂ reduction of 216,931 pounds per year.

Another award winner, Resilite Sports Products, Inc., has been manufacturing quality athletic mats for over 40 years. After using matching funds from the Pennsylvania DEP Small Business Advantage Program and undertaking an energy assessment from a Small Business Development Center, the company realized that it could save money by installing APU's on its fleet. With the continued rise in diesel fuel costs, the company purchased two APU's. The estimated savings are 2,160 gallons of fuel and \$6,480 per year. Resilite applied for a second Small Business Advantage Grant for the APU's and was awarded the grant in September 2006. The company is currently implementing that pollution prevention project at its facility.



Winners of the 2007 Governor's Award for Environmental Excellence receive a commemorative plaque and an outdoor flag to acknowledge their commitment to environmental quality. Each recipient will be presented with these exclusive awards during events at the winners' location. More information is available at <http://www.depweb.state.pa.us/news/cwp/view.asp?a=3&q=520523>, [http://www.prnewswire.com/cgi-](http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=104&STORY=/www/story/04-12-2007/0004564643&EDATE=)

[bin/stories.pl?ACCT=104&STORY=/www/story/04-12-2007/0004564643&EDATE=](http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=104&STORY=/www/story/04-12-2007/0004564643&EDATE=), http://www.resilite.com/pr_resilitenews.shtm, and <http://www.cardone.com/English/Club/News/PressR/29092006171008.asp>. Source: Arleen Shulman, Pennsylvania Department of Environmental Protection, and Mike Atwood, CARDONE

Pennsylvania DEP Grant Helps Secure Hybrid School Bus

Nazareth Area School District will become the first school district in Pennsylvania to operate a new hybrid diesel-electric school bus built by IC Corporation and Enova Systems. The Pennsylvania DEP Alternative Fuels Incentive Grant Program provided \$112,000 toward the cost of the vehicle. A total of 19 such hybrid school buses have been awarded to States around the country by Advanced Energy, a non-profit corporation that initiated a buyer's consortium of school districts, State energy agencies, and student transportation providers.

The bus is expected to have almost double the fuel economy of conventional diesel buses and reduce emissions by 90 percent. The hybrid drive from Enova allows the bus to be plugged to recharge its bat-

teries overnight. When the bus is in service, the stored energy can be drawn down more efficiently and thus improve fuel economy.

Jennings Transportation, the school bus contractor in Nazareth, will begin operating the bus during this school year. More information is available at http://www.fleetowner.com/equipment/news/hybrid_school_bus_hits_s_treets/index.html, http://home.businesswire.com/portal/site/home/index.jsp?ndmViewId=news_view&ndmConfigId=1000018&newsId=20070425005368&newsLang=en, and <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=3813&arQueryType=Detail>.

Fuel Cell APU Project Wins EPA SBIR Funding

EPA recently announced the winners of the Phase II support from its Small Business Innovation Research (SBIR) Program. One of the 13 companies received \$224,996 to commence a 2-year project to develop a fuel cell APU. Altex Technology Corporation of Santa Clara, California, plans to leverage its Phase I effort to design and test a

critical reformer component for the proposed device; tests during this period of funding showed that the concept was feasible. Altex had received \$69,981 for its Phase I, or proof of concept, effort from EPA's SBIR Program.



During Phase II, Altex plans to refine and scale up its concept by first building and testing a 2-kW unit for emissions, efficiency, reliability, and short-term reliability along with estimating first and operating costs. Should this phase of the project be successful, then a 6-kW unit would be built and tested through EPA's Environmental Technol-

ogy Verification Program. More information is available at http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/8381/report/0.

NYSERDA to Fund Another Demo of Hybrid TRU

A new demonstration project of hybrid trailer refrigeration units (TRU's) will be conducted in upstate New York as a result of a project funded by NYSERDA and DOE's Clean Cities Program. Shurepower, LLC, will employ a modified version of its Shurepower Truck Electrified Parking (STEP) technology integrated with a Rite-Hite Corporation Dok Lok® docking system for a TRU equipped with a Carrier Transicold unit using Deltek™ hybrid diesel-electric technology. This system will enable the TRU to operate at all duty cycles on shore power electricity, thereby reducing both emissions and noise.

The project will fund the implementation and development of docking safety systems and advanced wiring connections for heavy-duty diesel trucks and refrigerated trailers. Three-phase grid power from the New York State Electric & Gas Corporation will be supplied to designated loading docks at the fast food distribution center of Willow Run Foods in Kirkwood, New York. Other partners include Great Dane, which is supplying nine refrigerated trailers, and New West Technologies, which will provide engineering expertise. For more information, please go to <http://www.sbwire.com/news/print.php?sid=11827>.

REGULATORY NEWS

Hebron (Connecticut) Considers Limiting Idling Trucks

As part of its review of noise pollution issues, the town of Hebron, Connecticut, is contemplating limiting idling trucks in residential neighborhoods. This central Connecticut town of about 8,600 people may limit idling of any vehicle weight more than 10,000 pounds gross vehicle weight for more than 10 minutes when the vehicle is parked on a residential premise or on a town road next to a residential premise. Violations of this ordinance would be enforced by the Hebron Town Manager or his designee.

First-time violators would be given a 2-week grace period to correct the violation. After that time, a violator could be fined up to \$25. Each day of continuing violation would be a separate violation, and the amount of the fine would increase to \$50 per day for each violation.

The proposed ordinance would take effect on publication if the Connecticut Commissioner of Environmental Protection approves the or-



dinance as required under Connecticut General Statutes §22a-73. The State of Connecticut currently limits idling of any vehicle to 3 minutes. For more information, please go to http://www.journalinquirer.com/site/news.cfm?newsid=18167821&BRD=985&PAG=461&dept_id=569428&rfi=6,

<http://www.hebronct.com/local.htm>, and <http://www.atrionline.org/research/idling/Idling%20Regulations%20Compendium%20Dec%200611.pdf>.

Pennsylvania EQB to Consider State-Wide Anti-Idling Rule

Based in part on efforts of the Carlisle-based Clean Air Board and the recommendation from the DEP staff, the Environmental Quality Board (EQB) of the Pennsylvania DEP will meet on May 16, 2007, to consider whether to begin a rulemaking process to develop a State-wide anti-idling rule for heavy diesel trucks. The DEP staff recommendation does not specifically endorse the Clean Air Board proposal but suggested it be used as a starting point for the proposed State-wide rule. DEP staff said agency inspectors, as well as State and local police, could enforce the rule and encourage property owners to develop more idling alternatives.

A response to the petition filed by the Clean Air Board of Central Pennsylvania for a State-wide idling regulation has been posted on the website of DEP's Environmental Quality Board at <http://www.depweb.state.pa.us/pubpartcenter/cwp/view.asp?a=3&q=515987>. Questions about the EQB and the rulemaking process should be directed to Michele Tate as directed on the website or to mtate@state.pa.us.

A petition from the Clean Air Board would limit truck idling to 5 minutes in any 60-minute period, except when the temperature is below 40°F or above 80°F when the driver does not have an APU or ability to use truck stop electrification. If EQB accepts the staff recommen-

dation, then DEP would begin the administrative rulemaking process. The anti-idling rule would not require legislative approval and could be in effect sometime next year. Nearby States (Delaware, Maryland, New Jersey, New York, and New Jersey) currently limit idling of heavy vehicles.

The Clean Air Board has noted that Carlisle lies at the intersection of the Pennsylvania Turnpike and Interstate 81 in Cumberland County; as a result, there are an increasing number of warehouses, related truck traffic, and poor air quality due to idling trucks. A DEP staff report showed that freight trucks idle there a combined 2.3 million hours, more than any other county in Pennsylvania. Nearby Dauphin County ranks 8th in terms of idling time, with about 700,000 hours. In addition, the American Lung Association has moved the Carlisle area up in its rankings of worst short-term particle pollution, from 24th to 14th. The DEP has installed a particulate emissions monitor to collect air samples in Carlisle. For more information, please go to <http://www.pennlive.com/news/patriotnews/index.ssf?/base/news/117841202793790.xml&coll=1&thispage=1> and <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4486>. Source: Arleen Shulman, Pennsylvania DEP



Efforts to Reduce Idling Fail in Minnesota and Indiana

A bill to establish a grant program in Minnesota for truckers to purchase idling reduction technology failed to meet necessary deadlines. HF 1280 would have authorized grants for up to 50 percent of the purchase and installation costs for one or more qualifying idling reduction devices. The \$2 million proposed for funding the program would have come from the Minnesota general fund for the next 2 fiscal years. There would have been limitations on how many awards could have gone to any one company and the number of awards to both large and small trucking firms. More information is available at [http://www.landlinemag.com/todays_news/Daily/2007/Apr07/041607.h](http://www.landlinemag.com/todays_news/Daily/2007/Apr07/041607.htm/042007-03.htm)

[tm/042007-03.htm](http://www.landlinemag.com/todays_news/Daily/2007/Apr07/042007-03.htm).

Likewise, the Indiana General Assembly failed to meet an internal deadline to provide tax credits to individuals and corporations who purchase and install APU's for their sleeper cabs. HB 1165 would have allowed tax credits starting this past January 1 and would have been equal to 20 percent of the purchase price and installation cost of the APU. Please go to [http://www.landlinemag.com/todays_news/Daily/2007/Apr07/042307.h](http://www.landlinemag.com/todays_news/Daily/2007/Apr07/042307.htm/042507-04.htm) [tm/042507-04.htm](http://www.landlinemag.com/todays_news/Daily/2007/Apr07/042507-04.htm) for more details.

Vermont Could Adopt Idle Reduction Law for School Buses

Students from Browns River Middle School were part of the driving forces behind a possible new law to limit the idling of school buses on school grounds. If a compromise crafted by Senate and House negotiators is adopted and signed into law, starting this fall school bus drivers would not be allowed to idle their schools buses. The Vermont Department of Education would be instructed to draw up rules for limited exemptions to a State-wide ban on idling school buses. The bill also asks the Department of Education to write a model policy about

idling by other vehicles near schools. H.0058, School Bus Engines on School Property, and S.0013, The Idling of Motor Vehicle Engines on School Property, are the bills in question. Please go to <http://www.burlingtonfreepress.com/apps/pbcs.dll/article?AID=/20070505/NEWS02/705050304/1007> for more information and <http://www.leg.state.vt.us/database/search/search.cfm?Session=2008>, then plug in "idling" as the key word, and the bills will come up.

Tax on TEU's Proposed to Fund Air Pollution Projects at California Ports

A new bill in the California Senate, SB 974, would collect a \$30 fee for every 20-foot equivalent (TEU) container shipped to the Port of Long Beach (POLB), Port of Los Angeles (POLA), and Port of Oakland. Money collected would go improvements in rail and road infrastructure to and from those locations and clean-air programs associated with

the movement of containers. A hearing before the Appropriations committee was scheduled for May 14, 2007. If the bill is passed and signed by Governor Arnold Schwarzenegger, more than \$525 million could be generated annually from shippers to these ports.



There is concern from other States about charging a fee to receive TEU's. Some shippers have noted that they may move their business to other ports where there is currently no fee. The most recent attempt to accomplish these goals had been vetoed by Governor Schwarzenegger due to language in the bill at that time. More information is available at

http://www.landlinemag.com/todays_news/Daily/2007/Apr07/040907.htm/041207-05.htm, http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=sb_974&sess=CUR&house=B&author=lowenthal, and http://www.caltax.org/caltaxletter/2007/042007_shipping_container_tax_hikes_advances.htm.

Trucking Companies Doubtful about Meeting CARB Requirements for Clean APU's

According to a recent article in *Transport Topics*, trucking and trade association executives have expressed concern about meeting the January 1, 2008, deadline for having clean APU's installed on sleeper cabs. At that time, trucks must turn off their engines after idling for more than 5 minutes when the driver is parked or resting, even if the driver needs to sleep. The new rule also tightens emissions standards, and the trucking industry is saying that technology does not exist to meet a 30 gram per hour standard for NO_x for APU's. Meeting particulate matter (PM) standards requires a diesel particulate trap, and these do not yet exist, according to an industry spokesman. So far, only battery-powered APU's may meet this requirement. Truck

drivers could face a \$100 fine and civil penalties if they idle after the first of next year. For more information, please go to <http://www.ttnews.com/articles/basetemplate.aspx?storyid=17425>.

In cooperation with CARB, the American Trucking Associations is reaching out to affected carriers to determine their preparedness and to identify any potential barriers to compliance. Carriers with California operations are encouraged to complete a brief survey at http://www.truckline.com/carb_idlereg.

Federal Judge Blocks SCAQMD Limits on Idling Locomotives

A Federal judge in Los Angeles, California, has ruled against the South Coast Air Quality Management District (SCAQMD) in its effort to regulate emissions from idling locomotives. The regulations had set a 30-minute limit on idling locomotives operating in most of Los Angeles, Riverside, Orange, and San Bernadino Counties and had required additional recordkeeping, emission inventories, and health risk assessments. These requirements were stricter than those established in 2005 by a Memorandum of Understanding (MOU) between

Union Pacific (UP) Railroad Company, Burlington Northern Santa Fe (BNSF) Railway, and CARB. The case, #CV06-1416, was originally filed by the railroads in March 2006. This ruling in the case follows a 3-day, non-jury civil trial in late November 2006 in Federal District Court in Los Angeles.

The regulations were challenged by UP and BNSF, who said the rules interfered with Federal interstate commerce laws. The judge's written



opinion said the SCAQMD lacked authority under California law to impose the idling limits, but that local and State agencies do have a role implementing Federal environmental standards, such as the Clean Air Act. The judge also stated that the regulations needed to be written by State air-quality officials, not those at the regional level.

According to a newspaper report, UP and BNSF responded that the 2005 agreement with CARB will lead to significantly cleaner rail yards and locomotives by 2010. The American Association of Railroads also commented that the agreement would lead to the same or lower

emissions than the SCAQMD idling restrictions. UP and BNSF, meanwhile, have begun purchasing and using new diesel-electric hybrid and low-emission diesel trains and low-sulfur fuels in and around the ports. SCAQMD is deciding whether to appeal the judge's ruling. For more information, please see

http://www.presstelegram.com/news/ci_5814170 and

<http://www.aqmd.gov/news1/2007/RRfederalcourtdecisionPR.html>.

Rockland Joins Other NY Counties in Limiting Idling

The Rockland County legislature has passed a bill that limits idling to 3 minutes. Once the County Executive signs it and registers it with the New York Secretary of State, the bill will become law. As part of informing the public, the County plans to erect signs to let everyone know that this law is in effect for all vehicles. Persons convicted of idling could be fined for criminal penalties of up to \$250, jail for up to 15 days, or both; ignorance of the signage would not be a defensible argument. Subsequent violations and convictions could be subject to fines of up to \$1,000, 15 days in jail, or both. Civil penalties would be equally stiff: violations could be up to \$1,000. Some exemptions have been proposed to include emergency vehicles and vehicles stuck in traffic. Also exempted are vehicles that need to have the engine run-

ning to perform services or for cargo temperature control or have medically fragile people in them. Once the bill is signed, Rockland County would join Westchester, Nassau, and New York City in having laws on the books to improve air quality by reducing idling of vehicles. Please go to

<http://www.nyjournalnews.com/apps/pbcs.dll/article?AID=/20070412/OPINION/704120345/1151>,

<http://www.epa.gov/cleandiesel/construction/documents/cl-rockland-idling-law.doc>, and

<http://www.wcbs880.com/pages/339089.php?contentType=4&contentId=399400> for more information.

Oregon, Kansas Adopt 400-Pound Weight Exemption for APU's, Missouri May Be Next

Kansas becomes the first State to adopt a 400-pound weight exemption for APU's authorized by the Energy Policy Act (EPA) of 2005. SB 8, effective April 26, 2007, is the legislation that gives carriers a 400-pound weight exemption from the State's gross and axle weight

limits on any vehicle equipped with idling reduction technology. Under a provision of EPA, this 400-pound exemption was to have been available nationwide, but the U.S. Department of Transportation has



interpreted that language as being optional with the States. *Source:* Jeff Kim, Shurepower, and *Truckline Express*, May 1, 2007.

By unanimous consent at its biennial session this year, the Oregon General Assembly approved SB 223, a bill to increase the maximum weight limits for heavy-duty trucks equipped with idling reduction technology. The weight of such vehicles can increase by up to 400 pounds for a fully functional idle reduction system. The bill has passed both the House and Senate and is awaiting Governor Ted Kulongoski's signature. In addition, it takes place immediately as an emergency measure to preserve public peace, health, and safety. More information is available at <http://www.oregon.gov/ODOT/MCT/LEGISLATURE07.shtml> and http://www.landlinemag.com/todays_news/Daily/2007/Apr07/042307.htm/042607-06.htm. *Source:* Glen Kedzie, American Trucking Associations

The Missouri Senate unanimously approved SB 102, a bill that would increase the maximum gross vehicle weight limit and axle weight limit for large trucks equipped with idle reduction technology. The bill, SB102, would also authorize these trucks to weigh up to an additional 400 pounds. The bill is in the House Transportation Committee. In addition, SB202 would create an income tax credit for idle reduction devices for the next 2 years. The credit would be 50 percent of the purchase price and installation cost for Class 8 trucks, up to \$3,500 per truck. The bill is in the Senate Ways and Means committee. For more information please go to http://www.senate.mo.gov/07info/BTS_Web/Bill.aspx?SessionType=R&BillID=23. *Source:* http://www.landlinemag.com/todays_news/Daily/2007/Apr07/043007.htm/050207-04.htm.

IRS Says Aftermarket APU's Can Be Taxed

The Internal Revenue Service (IRS) confirmed in March 2007 that APU's installed on tractors within 6 months of the tractors being placed into service would typically be subject to the 12-percent Federal excise tax on heavy vehicles. The decision, outlined in a private letter ruling to an undisclosed fleet owner, comes as no surprise as tax rules already include other parts and accessories costing at least \$1,000 and installed within 6 months of a new heavy truck, tractor, or trailer being placed into service.

Technically, a private letter ruling applies only to the taxpayer who requested the ruling and is limited to the facts presented. The IRS Code specifically states that such taxpayer-specific documents are not to be cited as precedent. In this case, the unnamed fleet began

installing APU's on its tractors in 2006, but in almost all cases, it installed the APU's more than 6 months after the tractors were placed in service. The fleet owner did not have to pay the excise tax in those situations, but it sought a ruling on the applicability of the tax to tractors acquired more recently.

The APU package involved in this ruling included a 2-cylinder diesel engine and an air-conditioning compressor mounted on the side of the tractor's frame rails; a fuel-fired bunk heater, evaporator, and controller installed in the cab, sleeper compartment, or tractor toolbox; and a condenser usually mounted on the back of a tractor cab. A copy of the IRS letter is available at <http://www.etrucker.com/apps/news/article.asp?id=59550>.



REPORTS OF INTEREST

Source	Title	Website or Contact
CARB	<i>Proposed Regulation for In-Use Off-Road Diesel Vehicles</i>	http://www.arb.ca.gov/regact/2007/ordiesl07/ordiesl07.htm
Puget Sound Air Maritime Forum	<i>Puget Sound Maritime Air Forum Maritime Air Emissions Inventory</i>	http://www.maritimeairforum.org/emissions.shtml
Placer County Air Pollution Control District	<i>Evaluation of the Advanced Locomotive Emissions Control System (ALECS)</i>	http://www.placer.ca.gov/upload/apc/documents/up/alecsfinalreport2007.pdf

NEWS ABOUT PORTS

NYK to Outfit Its Container Ships with AMP

Nippon Yusen Kabushiki Kaisha (NYK) announced recently that it will install Alternative Maritime Power (AMP) in 38 ships of its container vessel fleet over the next few years at a cost of \$22 million. The Panamax and post-Panamax vessels (ships that are able or not able to traverse the Panama Canal due to their size) range in size from 4,800 to 8,600 TEU's. Following the lead of the NYK *ATLAS*, the first NYK vessel built from the keel up to utilize AMP, 20 new ships currently on order will be delivered with AMP capability. In addition, 17 ships presently in service will be retrofitted with AMP technology during their regularly scheduled inspections. The first ship to be retrofitted will be the NYK *APOLLO*, which will enter dry dock in November of this year. The company expects to have over 30 of the AMP capable vessels in service by the end of 2009.

The NYK *ATLAS* presently operates between Asia and the West Coast of North America. The vessel is currently participating in AMP



testing at NYK's terminal at POLA, which is managed by Yusen Terminals, Inc.

AMP technology allows a vessel to shut down the on-board diesel power generators while at berth and connect directly to more environmentally friendly shore-side electrical power. Utilizing shore power while at dockside significantly reduces and

almost eliminates the vessel's emission of gases which contain pollutants, such as CO₂, NO_x, SO_x, and PM.



In addition to the AMP technology, 8 of the 8,600 TEU containerships that NYK currently has on order will be equipped with electronically controlled engines to further reduce air emissions and leak-preventing

hulls to protect the marine environment. More information is available at http://www.shippingtimes.co.uk/item511_NYK.htm.

Foss Maritime to Build World's First True Hybrid Tug

Foss Maritime Company announced that it plans to build the world's first true hybrid tug boat, a "green" vessel that will significantly reduce NO_x, PM, SO₂, and carbon emissions. It will also consume less fuel and be quieter than its conventional predecessors. Officials of the Seattle-based marine services company, which specializes in worldwide marine transportation and logistics, say the project must still gain final board approval. The decision to move forward with the hybrid tug got a boost when POLA pledged \$850,000 to the project, in association with the SCAQMD, and the Long Beach Board of Harbor Commissioners preliminarily approved a \$500,000 contribution to the vessel's construction.

POLA and POLB, the Nation's No. 1 and No. 2 container ports, have expressed interest in funding Foss' hybrid tug as part of their San Pedro Bay Ports *Clean Air Action Plan*, a sweeping proposal aimed at significantly reducing the health risks posed by air pollution from port-related ships, trains, trucks, terminal equipment, and harbor craft. In exchange for funding, Foss would agree to homeport the new hybrid tug in Southern California for 5 years.

The Foss hybrid tug is scheduled to go into production later this year and will be delivered to Foss' Southern California operations in 2008. It is a new-build project, a continuation of the Dolphin-class tug boat series built at Foss' Rainier, Oregon, shipyard. The Foss hybrid tug will look almost identical to its sister Dolphin-class tug boats, but will be quieter, cleaner, and more fuel efficient, using proven hybrid technology. The hybrid tug's drive units will be powered by batteries cou-

pled with diesel generators and feature a modified engine room accommodating two 670-hp battery packs and two 335-hp generators. Although the main engines in the hybrid tug will have lower horsepower than the existing Dolphin engines, overall the tug will have the same total horsepower as its sister tugs. The 5,000-hp Foss hybrid tug will be primarily used for harbor assist services, moving vessels such as tankers and container ships in and out of the harbor and into their berths.

Among the benefits of this tug will be lower emissions, fuel consumption, and noise. Instead of idling the main engines while in standby mode when alongside a customer vessel and awaiting orders from the pilot, the hybrid tug will run on battery power and shut off the main engines. This will contribute to lower emissions. Harbor tugs need high amounts of power for short periods of time. Tugs at POLA/POLB typically spend 50 percent of their time idling their main engines and being ready to respond but with no power actually being used for propulsion. The hybrid tug would produce energy only on demand so that idling the main engines would not be necessary. The hybrid tug design will make it adaptable for retrofit of existing harbor tugs. The flexible design of the tug also has the ability to take advantage of emerging technologies such as improved battery and fuel advances. This tug could also take advantage of cleaner, less expensive shore power to charge the batteries. For more information, please see http://www.foss.com/press/Press_Release_030207.html.



NEWS ABOUT RAILROADS

Retrofitting Public Agency Diesel Engines Includes Locomotives in Washington State

Prodded by the Washington State Department of Ecology, the Olympic Region Clean Air Agency, and the Puget Sound Clean Air Agency, Tacoma Rail has retrofit engines in four locomotives to reduce the need to idle. The \$200,000 project, which involves the two locomotives that Tacoma Rail owns and operates in East Olympia and two others in Tacoma, is in response to complaints from East Olympia residents about non-stop idling. Kim HotStart Diesel Driven Heating Systems and SmartStart data logging and auto engine start/stop systems will be installed. Tacoma Rail expects noise and pollutants to be reduced by about 90 percent.

Tacoma Rail is an arm of Tacoma Public Utilities and owns the two red-and-white locomotives. Because it is a publicly owned railroad, it was eligible for public monies; about half the funding came from the

public agencies, with the rest from the railroad. Payback is expected to be about 4 years.

In November 2004, Tacoma Rail took over short-line freight service on the spur line that runs from the BNSF Railway main line north into Olympia and Tumwater. Since that time, the company has left two locomotives parked and idling on the spur line near its terminus in East Olympia when they are not in use, much to the chagrin of residents and businesses near the railroad tracks. The trains are used nearly every day but sit idle during nights and weekends. Thanks to the retrofit, idling will be significantly reduced. More information can be found at <http://www.theolympian.com/112/story/84532.html>.

Source: Frank Van Haren, Washington State Department of Ecology

ALECS Test Viewed as a Success

A system for capturing emissions from locomotives, the Advanced Locomotive Emissions Control System (ALECS), virtually eliminated certain exhaust pollutants emitted by idling locomotives, according to a Placer County Air Pollution Control District report released April 7, 2007 (please see page 12 for URL). More testing is needed to determine whether the system



could be successfully integrated with rail yard operations. The study details the pollution control efficiency and cost-effectiveness of the \$1.7 million project, which was tested over 3 weeks at UP's Pacific's J.R. Davis Yard following a much-publicized demonstration last August.

ALECS connects idling locomotives' smokestacks to a multi-stage "scrubbing" system. Exhaust is then cooled and mixed with chemicals to extract the pollutants, which are deposited into tanks that can be



disposed of at approved facilities. The study showed ALECS “scrubbed” nearly 98 percent of NO₂, 92 percent of PM, and 97 percent of SO₂ from idling locomotives.

Hydrocarbon emissions, a precursor to ground-level ozone, were reduced by nearly 63 percent. Those numbers could keep up to 83 tons of pollutants out of the atmosphere annually, according to the report.

The study estimated the cost for a fully loaded ALECS system at about \$8.7 million, with an annual operating cost of \$900,000. That translates into anywhere from about \$7,200-\$18,400 per ton of pollutants captured. Officials said they hope to build a more robust ALECS to learn how to better integrate it into a normal rail yard setting. That endeavor could take the form of a six-bonnet system that would solely test rail yard logistics, not pollution control. They are currently search-

ing for funding for the project, estimated at about \$1.5 million. Future technology enhancements are also being looked at, such as an automatic bonnet connection that could remove the need for human controllers.

The test was the result of a public-private partnership between air-quality agencies, the City of Roseville, UP, and Advanced Cleanup Technologies Inc., the Rancho Dominguez-based company that designed the system. The ALECS system tested at the J.R. Davis Yard is now en route to POLB, where officials will attempt to conduct similar tests on idling ships. Please go to http://www.thepresstribune.com/articles/2007/04/25/news/top_stories/06rail_tests.txt and <http://www.placer.ca.gov/upload/apc/documents/up/pressrelease040507.pdf> for more information.

OTHER NEWS OF INTEREST

NYSERDA, EPA Demonstrate New Hybrid TRU

Pier 92 in New York City was the site of a recent press event highlighting the use of shore power for TRU's. As noted on page 6, NYSERDA is sponsoring another demonstration project to show the opportunities for saving energy and reducing pollution for refrigerated trailers, and this project at the New York Cruise Terminal is the culmination of the first project NYSERDA had sponsored. Partners in this effort included Shurepower, Carrier Transicold, Maines Paper and Food Service, New West Technologies, and Great Dane trailers. The original project at Maines distribution facility in Conklin, New York, had set up and operated electrified loading docks and parking spaces for commercial trucks and their trailers. EPA's SmartWay Transport Partnership had contributed \$100,000 to this effort.

Trucks equipped with the Shurepower equipment can park at electrified loading docks for \$1 per hour. At the event, Shurepower plugged the back of a trailer into the electrical terminal to power the reefer unit. The up-charge on hybrid TRU compared to one without an “electric standby” option is estimated to be \$3,000, according to Carrier officials. A Maines company official said the payback was 1 year on its port-bound trucks. NYSERDA pointed out that ports are well equipped to supply electricity but the cost to install the electrification terminals is significant, especially given the high price of copper. On the other hand, potential savings at facilities that receive a lot of reefer traffic could be high. More information is available at <http://yosemite.epa.gov/opa/admpress.nsf/d9d1f718ae373653852572>



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http://www.fleetowner.com/management/news/port_reefers_plug_in/in/

[dex.html](http://www.etrucker.com/apps/news/article.asp?id=59384), <http://www.etrucker.com/apps/news/article.asp?id=59384>,
and <http://www.webwire.com/ViewPressRel.asp?ald=32176>.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Here are a few sites that might be of help to you. Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

- Argonne National Laboratory
(<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)

- Cummins (<http://www.cumminscomfortguard.com/offer>)
- EPA
(<http://www.epa.gov/otaq/smartway/calculator/loancalc.htm>)
- Espar
(<http://www.espar.com/html/service/calculator/calculator.html>)
- Thermo King (<http://www.thermoking.com/tripac/>)

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State

or municipality has changed anything listed here or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you



are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's (DOE) Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities, SmartWay Web Sites Show TSE Locations

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, Na-

tional Clean Diesel Campaign Retrofit Projects, School Bus USA Projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

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ernment or any agency thereof.



NATIONAL IDLING REDUCTION NETWORK NEWS

March 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
North Central Texas Council of Governments	North Texas Emission Reduction grants for vehicular NO _x reduction projects, including on-site electrification and auxiliary power units (APU's)	~\$5 million	Rolling deadline until funds are fully awarded	http://www.nctcog.org/trans/air/programs/terp/cfps/index.asp
New Jersey Department of Environmental Protection	New Jersey Trucker's Challenge	\$750,000	Rolling deadline until funds are fully awarded	http://www.njmta.org/images/pages/Grant_Pr_e_Approval_Application.pdf
U.S. Department of Agriculture (USDA)	Conservation Innovation Grants for Colorado	\$800,000	April 13, 2007	http://www.grants.gov/search/search.do?oppld=12999&mode=VIEW
	Conservation Innovation Grants for New Jersey	\$250,000		http://www.nj.nrcs.usda.gov/programs/cig/StateFundingOpportunities.html
	Conservation Innovation Grants for California	\$375,000	April 20, 2007	http://www.grants.gov/search/search.do?oppld=12690&mode=VIEW
	Conservation Innovation Grants for Utah	\$450,000		http://www.grants.gov/search/search.do?oppld=12952&mode=VIEW
	Conservation Innovation Grants for Maine	\$100,000	April 27, 2007	http://www.grants.gov/search/search.do?oppld=12575&mode=VIEW
California Air Resources Board (CARB)	2007 Multi-Jurisdictional Carl Moyer Program	~\$8.5 million	April 27, 2007	http://www.arb.ca.gov/msprog/moyer/multidistrict/2007_multidistrict_solicitation.pdf



Organization	Project	Funding	Deadline	Website
Federal Highway Administration (FHWA)	Intelligent Transportation Systems Operational Testing to Mitigate Congestion	\$100 million	April 30, 2007	http://www.grants.gov/search/search.do?mode=VIEW&oppld=11970
FHWA	Broad Agency Announcement for FHWA Transportation Planning Cooperative Research	\$650,000	April 30, 2007, for pre-proposals and June 25, 2007, for invited proposals	http://www.fbo.gov/spg/DOT/FHWA/OAM/Reference%2DNumber%2DFHWA%2DBAA%2DHPP%2D02%2D2007/listing.html
USDA	Conservation Innovation Grants for Idaho	\$450,000	May 1, 2007	http://www.grants.gov/search/search.do?oppld=12577&mode=VIEW
	Conservation Innovation Grants for Washington State	\$150,000		http://www.grants.gov/search/search.do?oppld=13197&mode=VIEW
South Coast Air Quality Management District	Carl Moyer Program	\$25.5 million	May 4, 2007	http://www.aqmd.gov/tao/Implementation/carl_moyer_program_2001.html
EPA	Small Business Innovation Research Program	~\$3 million	May 23, 2007	http://www.fbo.gov/spg/EPA/OAM/CMD/PR%2DNOC%2D07%2D10155/SynopsisP.html
Texas Emissions Reduction Plan (TERP)	Emissions Incentive Reduction Grants	Subject to amount of revenue in TERP account	June 1, 2007	http://www.tceq.state.tx.us/implementation/air/terp/erig.html
Ohio EPA	Clean Diesel School Bus Fund	<\$1 million	September 1, 2007	http://www.epa.state.oh.us/oeef/html/schoolbus



PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
CARB Shore Power Workgroup Meeting	Sacramento, California	January 11, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
Clean Ships: Advanced Technology for Cleaner Air	San Diego, California	February 7-9, 2007	http://www.cleanshipsconference.com/agenda.html
CARB Commercial Harbor Craft Public Workshop	Sacramento, California	February 16, 2007	The staff presentation is available at http://www.arb.ca.gov/msprog/offroad/marinevess/presentations.htm#021607 .
CARB In-Use Off-Road Diesel Vehicle Rule Workshops	San Diego, Fresno, Sacramento, and Riverside, California	February 20, February 23, February 26, and March 1, 2007, respectively	http://www.arb.ca.gov/msprog/ordiesel/workshops.htm
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm

UPCOMING MEETINGS

Meeting	Location	Date	Website or Contact
CARB On-Road Heavy Duty Diesel Vehicles Public Workshops	Sacramento and El Monte, California	April 11 and April 17, 2007, respectively	http://www.arb.ca.gov/msprog/onrdiesel/workshops.htm
Mobilizing North Carolina	Greensboro, North Carolina	April 18, 2007	http://www.mobilizingnc.com
Workshop on Innovative Funding for Clean Diesel Initiatives	Philadelphia, Pennsylvania	April 23-24, 2007	http://www.marama.org/calendar/events/2007_04DieselFund.html



Meeting	Location	Date	Website or Contact
CARB Commercial Harbor Craft Workshop	Sacramento, California	April 24, 2007	http://www.arb.ca.gov/msprog/offroad/marinevess/harborcraft.htm
CARB Public Meeting	Sacramento, California	April 26, 2007	http://www.arb.ca.gov/board/ma/2007/ma042607.htm
EPA Public Hearing on New Clean Locomotive and Marine Diesel Rule	Seattle, Washington, and Rosemont, Illinois	May 8 and May 10, 2007, respectively	http://www.epa.gov/otag/marine.htm and http://www.epa.gov/otag/locomotv.htm
Idle Less, Save More: the Tri-State Idle Reduction Conference	Willowbrook, Illinois	May 10, 2007	Contact Samantha.bingham@cityofchicago.org .
Society of Automotive Engineers Government/Industry Meeting	Washington, D.C.	May 14-16, 2007	http://www.sae.org/events/gim/
Faster Freight - Cleaner Air, Puget Sound	Seattle, Washington	May 16, 2007	http://www.fcapugetsound.com/
NextEnergy Michigan Clean Fleet Conference	Detroit, Michigan	May 17, 2007	http://www.nextenergy.org/events/detail.asp?ContentId=1946565E-ECEB-4F79-9FF1-97F6EFD15B0F&bk=%2Fevents%2Findex%2Easp
U.S. Department of Energy (DOE) Diesel Engine-Efficiency and Emissions Reduction Conference	Detroit, Michigan	August 12-16, 2007	http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html

AWARDS FROM SOLICITATIONS

Update on New NCSC TSE Project at Mebane Petro Stopping Center

To further expand on the North Carolina Solar Center (NCSC) grant for truck stop electrification (TSE) in the February 2007 issue of this newsletter, the power pods will be installed in May 2007, and service will become available by early summer. The service is designed for

use by sleeper trucks equipped with on-board alternating current heating and air-conditioning systems (AC-HVAC) that require 120V AC/2 x 20A pod power.



Additional funding has been proposed that would provide North Carolina truck owners with financial incentives to purchase trucks equipped with the on-board AC-HVAC systems that require the electrical hook-ups. This new service at Mebane will complement the existing 58 truck parking spaces operated by IdleAire, which offers electrical

hook-ups and HVAC services to trucks that are not equipped with on-board systems. More information is available at http://www.petrotruckstops.com/news_detail.sstg?id=185. Source: Skip Yeakel, Volvo Trucks North America

EPA Awards CARE Grants to West Oakland and Camden Projects

Two of 17 projects funded through EPA's Community Action for a Renewed Environment (CARE) Program are for diesel-related activities. The West Oakland, California, Environmental Indicators Project received \$223,675 to continue its effort to reduce community exposure to diesel pollution from trucks servicing the Port of Oakland. The CARE grant will help continue the effort toward reducing the impacts of diesel pollution.

The project in Camden, New Jersey, will reduce environmental risks to citizens of the Waterfront South neighborhood, which is home to

several industrial facilities as well as a major terminal of the South Jersey Port Corporation (SJPC). The grant funds will be used to educate the community about diesel emissions, compile and analyze port vehicles and equipment, determine the best available technologies to retrofit diesel vehicles and equipment owned and operated by SJPC, then prioritize and carry out the vehicle and equipment retrofits. More information is available at <http://yosemite.epa.gov/opa/admpress.nsf/665323ad33bb55ee852572a000657b63/8c9c0f1b4184a0c9852572aa007e039c!OpenDocument> and <http://www.epa.gov/care/community.htm#2006recip>.

Ohio Group Receives \$150,000 EPA Grant

The Mid-Ohio Regional Planning Commission is the recipient of a \$150,000 grant from EPA Region 5 for a project to reduce emissions from public diesel fleets in central Ohio. An additional \$68,924 in cost-sharing from other sources will augment this funding and used to purchase hydraulic heaters so that engines do not have to idle in cold weather. The project will also cover the costs of retrofitting diesel fleets with diesel oxidation catalysts and using biodiesel.

The project, called the Mid-Ohio Public Diesel Fleet Initiative, is a partnership of the Mid-Ohio Regional Planning Commission, the Ohio Environmental Council, the City of Columbus, and the Central Ohio Transit Authority to demonstrate clean-diesel technologies and strate-

gies to reduce diesel emissions.

The grant is part of Region 5's Midwest Clean Diesel Initiative (MCDI), which is a collaboration of Federal, State, and local agencies; communities; non-profit organizations; and private companies working together to reduce emissions from diesel engines in the Midwest. More information is available at <http://www.epa.gov/midwestcleandiesel> and <http://yosemite.epa.gov/opa/admpress.nsf/d9d1f718ae373653852572a000655936/7feb742c9112a621852572aa004f56f4!OpenDocument>.



REGULATORY NEWS

Missouri Proposes Tax Credit for APU's

The Ways and Means Committee of the Missouri House of Representatives is currently considering HB488, which proposes to authorize an income tax credit for up to 50 percent of the cost of purchasing and installing an APU on a Class 8 truck. The credit could not exceed \$3,500 per truck. The tax credits would be capped at \$15 million per

year and \$30 million over the 2-year life of the legislation. More information is available at <http://www.house.mo.gov/bills071/bills/hb488.htm>. Source: Glen Kedzie, American Trucking Associations

EPA Moves to Reduce Emissions from Locomotive Idling

Both the locomotive and marine sectors may come under additional regulations as recently announced by EPA. Among the proposed provisions would be the requirement for stop-stop devices on all new locomotives. These locomotives would have to be designed so that the engine(s) could withstand at least six stop-starts per day without any damage. The stop-start systems would have to turn the main engine(s) off after 30 minutes of idling and would prevent the engine(s) from resuming extended idling. Exceptions would be allowed for pre-

venting engine damage from freezing coolant, maintaining air-brake pressure, performing routine maintenance, and otherwise complying with Federal regulations.

EPA plans to hold two public hearings (listed above) at which the public can give the agency its thoughts on the proposed rule. More information is available at <http://www.epa.gov/otaq/locomotv.htm>.

REPORTS OF INTEREST

Source	Title	Website or Contact
Cummins	<i>Truckers Guide to APU Financing</i>	http://www.cumminscomfortguard.com
Pima Association of Governments	<i>Recommendations to Reduce Idling, Save Money, and Spare the Air</i>	Contact Colleen Crowninshield at (520) 792-1093 x426, or ccrowninshield@pagnet.org



Source	Title	Website or Contact
The International Council on Clean Transportation	<i>Air Pollution and Greenhouse Gas Emissions from Ocean-going Ships: Impacts, Mitigation Options and Opportunities for Managing Growth</i>	http://www.theicct.org/documents/MarineReport_Final_Web.pdf

MANUFACTURERS' NEWS

Thermo King Now Finances TriPac™ System

In response to the difficulty in finding financing for APU's, Thermo King and Ingersoll Rand Financial Services (IRFS) have teamed up to offer financing on Thermo King's TriPac Hybrid Auxiliary Idle Reduction and Temperature Management System. While Thermo King and IRFS have been providing a suite of financing solutions on Thermo King refrigerated units for many years, IRFS now offers TriPac financing options for all types of customers ranging from owner-operators to

the largest fleets in North America. Fuel savings from running the TriPac system may offset the monthly finance payments, according to the companies. Dealers of this equipment are offering financing packages in addition to sales, installation, and service. For more information, please access the Thermo King website at <http://www.thermoking.com/tk/index.asp>.

MATS Showcases Latest Idling Reduction Technologies

The Mid-America Trucking Show (MATS) in Louisville, Kentucky, is the largest annual heavy-duty truck show in the world and is to the trucking industry as the North American International Auto Show in Detroit is to four-wheelers. This year, according to some sources, there were 28 APU products, the largest number ever. Below are just a few of the highlights of the show as mentioned in company press releases. The message is that idling reduction is becoming main stream as more and more products are being offered for sale to meet the needs of cab comfort for the driver, improved fuel economy, and reduced emissions. More information is available at the websites listed after each bullet.

- Kenworth has enhanced its idle-free cab heating and cooling system, Clean Power, which will be available on the T660 this summer. It will provide engine-off heating and cooling as well as 110-V hotel load power using deep-cycle batteries that charge a thermal storage cooler while the truck is on or connected to shore power. When the truck is turned off, the system circulates cool air through the cab or, for heating, utilizes a small diesel-fired heater. The system can provide 10 hours of heating or cooling with ambient temperatures of up to 95°F, the company announced. Clean Power now comes with LED interior lighting and a sleeper insulation package that help improve the efficiency of the system by minimizing heat loss and



reducing the power demand on the battery. The company states that customers could expect an 8-percent improvement in fuel economy compared to idling, 35 percent less energy use by having LED instead of traditional lighting, and nearly 40 percent better thermal performance compared to standard insulation packages.

http://www.kenworth.com/6100_pre_mor.asp?file=2103

- Peterbilt will be offering its ComfortClass™ heating and cooling system on all of its 70-inch Unibilt Class 8 sleeper cabs. This system provides heating or cooling and 110-V electric power for up to 10 hours. The factory-installed option stores both electrical power and a cold charge collected while the truck is running down the road, and it then uses the stored energy to keep the driver comfortable without having to idle or use an APU. A small diesel-fired heater provides heat if needed, and a shore power connection can be made. In addition, field tests are underway on a Model 386 hybrid over-the-road tractor with a sleeper compartment. This vehicle uses diesel electric technology for both hotel power without idling and also augments the main diesel engine while on the road. http://www.peterbilt.com/index_new_mor.asp?file=2098&archivedate= and

http://www.peterbilt.com/index_new_mor.asp?file=2100&archivedate=

- Dometic introduced an expanded series of all-electric auxiliary air-conditioning systems that run on 12-V power from the truck's batteries. The new all-electric HVAC systems are designed to provide clean, quiet, and cost-effective cooling and heating without the need for a separate diesel APU. The company states that the device meets the most stringent emission requirements. The installed cost is claimed to be considerably less than that of an APU-based system while maintenance costs are eliminated. The Dometic all-electric package includes a 7,000 or 10,000 BTU split or self-contained air-conditioning system, a DC-AC inverter, a high-capacity alternator, and optional shore power capability. The inverter converts the 12-V battery output into 120-V AC power to drive the air-conditioner. The alternator, which replaces the existing engine-mounted alternator, keeps the batteries fully charged whenever the truck is running. The optional shore power connection can recharge the batteries and run the air-conditioner whenever an outside AC power hookup is available. <http://www.dometictruck.com/news.php>

NEWS ABOUT PORTS

RFID's Help to Reduce Waiting Time for Trucks at Port of Oakland

As part of increased security at the Port of Oakland, California, one terminal is testing 1,700 Radio Frequency Identification (RFID) tags on 300 trucks that regularly service the port. The tags go on the driver's mirror and provide identification to the port security officer. Reading the information on the tag allows for quicker identification of the driver rather the slow, manual inspection procedures that had

been in place. This action, in turn, reduces the idling time of vehicles queuing up to enter the port. The RFID also serves as an indication that the truck has arrived and is ready to pick up its load. Eventually, systems will be in place that can monitor the movement of each RFID-equipped truck while it is on port property and nearby areas. Approximately 2,000 trucks enter and leave the port everyday. More in-



formation is available at

<http://www.rfidjournal.com/article/articleview/3148/2/1/>.

South Carolina SPA Looks to Reduce Emissions, Consider Cold Ironing

The South Carolina State Ports Authority (SPA) has worked out a voluntary agreement and partnership with the South Carolina Department of Health and Environmental Control (DHEC) to reduce emissions at existing and future shipping terminals in the Charleston region. The approach will include having DHEC designate an individual to coordinate air quality at new and existing port facilities and conduct annual training for SPA staff. The agreement includes:

- The purchase and installation of a particulate matter monitoring station to be owned and operated by DHEC
- An "emissions inventory" of existing SPA facilities within 18 months and the purchase of cleaner-burning equipment for a terminal being proposed for the former Navy base in North Charleston
- The use of cleaner-burning engines when rebuilding or replacing equipment

- An evaluation of the use of cleaner fuels, such as biodiesel
- The future use of shore-to-ship electrical power for vessels that are in port, also known as "cold ironing"
- Air-quality education and outreach
- Anti-idling initiatives.

The SPA recently took delivery of four cranes that operate solely on electric power, replacing four older, smaller, and slower diesel-electric models. The cranes use power when in the lift mode but generate power when being lowered. In addition, SPA plans to improve productivity in the Port of Charleston, including having truckers spend less time idling. For more information, please go to http://www.charleston.net/assets/webPages/departamental/news/default_pf.aspx?NEWSID=136425 and http://www.port-of-charleston.com/community/press_room/pressroom.asp?PressRelease=171.

HYBRID COMMERCIAL VEHICLES

Wal-Mart, Eaton, and Peterbilt Partner on Class 8 Hybrid Truck

Wal-Mart Stores, Inc., is supporting development of hybrid technologies for Class 8 heavy-duty trucks as part of its announced strategy to double the fuel economy of its long-haul truck fleet, the second largest private fleet in the country. By helping to validate the concept and refine the final design, Wal-Mart is using aerodynamically styled tractors from Peterbilt Motors Company and Eaton Corporation's heavy-

duty hybrid system, which is equipped with idle-reduction features and an automated manual transmission. The transmission has a parallel-type direct hybrid system and incorporating a 44-kW electric motor/generator located between the output of an automated clutch and the input to Eaton's Fuller® UltraShift® transmission.



The system captures energy generated by the diesel engine and recovers energy normally lost during braking and stores the energy in batteries. That electric torque is then sent through the motor/generator and blended with engine torque to improve vehicle performance, operate the engine in a more fuel-efficient range for a given speed, and/or operate only with electric power in certain situations.



The system's batteries power the heating, air-conditioning, and vehicle electrical systems when the engine is off. When the idle-reduction mode is active, engine operation is limited to battery charging, an automatically controlled process that takes approximately 5 minutes per hour to fully charge the system. In the proposed system design, a

proprietary feature minimizes engine vibration during start-up and shutdown during the recharge periods, allowing the driver to rest without interruption.

During third-party testing, the Eaton Hybrid Power System has routinely achieved a 5-7 percent fuel savings versus comparable, non-hybrid models. According to Eaton, it may result in a savings of 1 gallon of fuel per hour when idling.

Peterbilt and Eaton have previously partnered to develop hybrid electric Class 6-7 vehicle platforms and Class 8 hybrid hydraulic vehicles. With a successful test and evaluation program, the heavy-duty hybrid electric power system will be available in 2009. For more information, please go to

http://www.greencarcongress.com/2007/03/peterbilt_eaton.html#more,
http://www.eaton.com/EatonCom/OurCompany/NewsandEvents/CT_112375, and
http://www.peterbilt.com/index_new_mor.asp?file=2093&archivedate=.

Source: Heather McKee, U.S. Army TARDEC

Peterbilt to Offer 4 Hybrid Models

Also at MATS, Peterbilt announced recently that it will be offering a both hybrid electric and hydraulic hybrid vehicles for four different applications: heavy-duty long-haul, medium-duty pick-up and delivery, medium-duty stationary power take-off (PTO) applications, and a heavy-duty vocational and stop-and-go. The company states that these new vehicles will increase fuel efficiency, reduce emissions, and improve service requirements.

Information about the long-haul application is described in the above article.

The medium-duty version is designed for both pick-up and delivery, and the Class 7 version can be equipped with a fully integrated Terex bucket lift body. For pick-up and delivery, the hybrid system is expected to offer 30-40 percent improved fuel economy by using electric power to accelerate the

vehicle from a stop. Lithium-ion batteries operate the PTO unit, which is designed for municipal and utility applications. Both of the medium-





duty trucks are expected to be in limited production in 2007 with full production scheduled for next year.

The hydraulic hybrid vocational truck is being evaluated for refuse applications. The system, which is being jointly developed with Eaton, is reputed to increase brake lift and reduce engine and transmission wear. Its Hydraulic Launch Assist (HLA®) recovers a portion of the energy normally lost as heat by the brakes in pressurized hydraulic fluid and stores it in on-board accumulators until the driver next accelerates.



Fuel savings occur when the stored energy is then used to launch the vehicle during the initial, high fuel consumption start from stop, followed seamlessly by power from the primary engine. In performance mode, the stored energy is released and blended with engine power at launch. This can significantly improve acceleration due to the high power density of hydraulics.

More information is available at

http://www.peterbilt.com/index_new_mor.asp?file=2100&archivedate=
and
<http://www.todaystrucking.com/news.cfm?intDocID=17647&login=tlevinson%40anl%2Egov&datalogin=%2790%5E3JY5%25%5EP%20%20%0A>.

TRUCK STOP ELECTRIFICATION

IdleAire Reports 2006 Operating and Financial Results

IdleAire Technologies Corporation has recently released its operating and financial results for the calendar year 2006. The company noted that it had increased the number of locations by more than threefold to 99 and had an almost fourfold increase to 6,559 in the number of parking spaces. There were approximately 90,000 regular users at the end of 2006, with fleets accounting for 84 percent of usage. Occupancy rates were relatively flat at 19.5 percent; however, for sites open for more than 1 year, annual occupancy averaged 25 percent in 2006.

The company reported that net revenues increased by 120 percent to \$14 million. In addition, IdleAire received \$1.5 million in grant funding

in 2006. Operating expenses increased \$23.8 million compared to 2005. At the end of 2006, IdleAire had over 1,000 full- and part-time employees.

Net losses of \$60.3 million in 2006 compared to net losses of \$26.9 million in 2005 are expected to continue as the company expands the number of locations, increases sales efforts, and hires more staff. For more information, please see <http://www.sec.gov/Archives/edgar/data/1162298/000095013307001519/w32641e10ksb.htm> and http://www.idleaire.com/newsroom/releases/04_04_2007.jsp.



Turning Off Engines at Truck Plazas Slow to Catch On

A recent article in *Fuel Advantage* covered some of the issues drivers and truck plaza operators face with respect to idling – or not – during rest periods or downtime. There is mention of 16 shore power connections at the Sacramento 49er Travel Plaza as part of the Shore Power Pilot program underway with the Sacramento Municipal Utility District. Although the parking spaces have been available for 3 years, it is only now that the spots are in use almost every night.

Another alternative is IdleAire (mentioned above), which is in the midst of an expansion program to garner what it calls “the network effect” to capture fleet business. Occupancy has not been what the company would like to see, but is higher at sites that have been open long enough for truckers to be aware of them.

The Shurepower system is less well known than IdleAire and at considerably fewer locations, but it too is expanding. It offers a 120-V and 240-V power hookup to access phone, internet, and cable TV. If the truck is so equipped, the driver can also hook up to power to run a block heater, air-conditioning, a microwave, and TV. Seven Shurepower locations are being built along the I-5 corridor in Washington State, Oregon, and northern California.

More information can be found at <http://www.fuelpub.com/publication/article.jsp?publd=com.proteus.cynus.value.Publication@2dfbc274&id=29>, <http://www.idleaire.com>, and <http://www.shurepower.com>.

OTHER NEWS OF INTEREST

AFVI Conference Showcases Idling Reduction

In one report of an idling reduction session at the Alternative Fuel Vehicle Institute (AFVI) Alternative Fuels & Vehicles National Conference + Expo 2007, presenters from SmartWay and Shurepower educated the audience on the use of partnerships to encourage idling reduction and new technologies. The presentations also included the introduction of the SmartWay Truck brand and discussion of anti-idling

regulations in California. Should the presentations be posted on the conference website, they will be listed in the table near the beginning of this newsletter when they are available. Please go to <http://envautomental.blogspot.com/afvi-show-diesel-anti-idling-technologies-save-money-while-you-sleep-3015/> for one view of this session.



Volvo to Market SmartWay-Approved Tractors



Later in the second quarter of this year, customers of Volvo Truck North America Volvo will be able to specify a SmartWay-eligible tractor component package when ordering their trucks. The required components will be specially identified in Volvo's truck ordering

system so that carriers participating in the SmartWay program can ensure their new trucks qualify for EPA's public designation. Some 78 percent of Volvo VNL (long hood) sleeper cabs sold in 2006, nearly

19,000 tractors, were equipped with the full aerodynamic package called for by the SmartWay Transport Partnership. Volvo also offers low-rolling resistance tires and systems to reduce the need for over-night idling of truck engines. Volvo has been a member of the SmartWay Transport Partnership since 2003 through Volvo Logistics North America. More information is available at <http://www.epa.gov/smartway> and http://www.volvo.com/trucks/na/en-us/news_and_events/news_releases/NewsItem-Page.htm?channelId=2319&ItemID=19971&sl=en-gb.

B of A Includes SmartWay in \$20 Billion Environmental Initiative

One of the world's largest financial institutions, Bank of America, has announced that it is devoting \$20 billion to a suite of environmental initiatives ranging from "green" credit card rewards to carbon emissions trading. One of the efforts it has included in this initiative is providing funding to the U.S. Small Business Administration (SBA) for its SBA Express loans. The EPA SmartWay Transport Partnership is now offering these loans for its SmartWay Upgrade Kits. The SBA

loans are available to small and mid-sized trucking companies with no collateral and flexible terms. The SmartWay Upgrade Kit includes idling reduction devices, low rolling resistance tires, aerodynamic equipment, diesel oxidation catalysts, and diesel particulate filters. For more information, please go to http://newsroom.bankofamerica.com/index.php?s=press_releases&item=7697.

ATRI Seeks Information for Baltimore Incentive Program

The American Transportation Research Institute (ATRI), the research arm of the American Trucking Associations, is working with the Baltimore (Maryland) Metropolitan Council to learn about awareness of idling reduction technologies and the EPA SmartWay Transport Partnership. A 12-question survey asks about the size of the companies, their equipment, miles traveled in the local area, and knowledge of

components in the SmartWay Upgrade Kit. The survey also wants to determine which financial resources companies use to purchase equipment.

The brief Baltimore Regional Diesel Truck Incentive Survey is available at <http://truckline.com/bmcsurvey>. People who complete the sur-



vey by April 30, 2007, will be eligible to win 1 of 10 “Good Stuff” collectible trucks. Please contact Mike Tunnell at (916) 373-3534 or

mtunnell@trucking.org for further information.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it or retype it in the address box of your browser.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at http://www.atri-online.org/research/idling/Truck_Idling_Regulations.htm. If your State or municipality has changed anything listed here or if the information

listed is in error, please let us know, and we’ll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy’s (DOE) Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.



Clean Cities, SmartWay Web Sites Show TSE Locations

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

The EPA SmartWay Interactive Activity Map features data from SmartWay Partners, National Transportation Idle-Free Corridors, Na-

tional Clean Diesel Campaign Retrofit Projects, School Bus USA Projects, ethanol (E-85) and biodiesel fueling stations, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

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NATIONAL IDLING REDUCTION NETWORK NEWS

February 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
NCTCOG	North Texas Emission Reduction grants for vehicular NO _x reduction projects, including on-site electrification and auxiliary power units (APU's)	~\$5 million	Rolling deadline until funds are fully awarded	http://www.nctcog.org/trans/air/programs/terp/cfps/index.asp
New Jersey Department of Environmental Protection	New Jersey Trucker's Challenge	\$750,000	Rolling deadline until funds are fully awarded	http://www.njmta.org/images/pages/Grant_Pr_e_Approval_Application.pdf
Wisconsin Department of Commerce	Diesel Exhaust Retrofit Grant (includes set-aside for vehicles equipped with idling reduction devices)	\$50,000	Applications available starting March 19, 2007, for submission starting March 23, 2007	http://commerce.wi.gov/retrofitgrant
Federal Highway Administration (FHWA)	Broad agency announcement (BAA) for Exploratory Advanced Research Program	~\$20 million over the next 3 years	March 30, 2007, for pre-proposals for projects to be funded in FY 2007	http://www.fbo.gov/spg/DOT/FHWA/OAM/DT_FH61%2D07%2DR%2D00117/Combine%20Synopsis%5FSolicitation.html
California Air Resources Board (CARB)	Innovative Clean Air Technologies (ICAT) 2007 Grant Program	~\$1 million	March 30, 2007, for application form	http://www.arb.ca.gov/research/icat/solicit.htm for application form and http://www.arb.ca.gov/research/icat/icat.htm for information



Organization	Project	Funding	Deadline	Website
U.S. Environmental Protection Agency (EPA)	2007 Pollution Prevention Grants Program	~\$4.5 million	April 2, 2007	http://www.epa.gov/p2/pubs/grants/ppis/2007fpp2grant.htm for information and http://www.grants.gov/search/search.do?mode=VIEW&oppid=12426 for application form
U. S. Department of Agriculture (USDA)	Conservation Innovation Grants for Kansas	\$200,000	April 2, 2007	http://www.grants.gov/search/search.do?oppld=12717&mode=VIEW
EPA	Community Action for a Renewed Environment (CARE)	~\$2.7 million	April 9, 2007	http://www.epa.gov/air/grants/07-02.pdf
USDA	Conservation Innovation Grants for California	\$375,000	April 20, 2007	http://www.grants.gov/search/search.do?oppld=12690&mode=VIEW
	Conservation Innovation Grants for Maine	\$100,000	April 27, 2007	http://www.grants.gov/search/search.do?oppld=12575&mode=VIEW
FHWA	Intelligent Transportation Systems (ITS) Operational Testing to Mitigate Congestion	\$100 million	April 30, 2007	http://www.grants.gov/search/search.do?mode=VIEW&oppld=11970
FHWA	BAA for FHWA Transportation Planning Cooperative Research	\$650,000	April 30, 2007 for pre-proposals and June 25, 2007 for invited proposals	http://www.fbo.gov/spg/DOT/FHWA/OAM/Reference%2DNumber%2DFHWA%2DBAA%2DHPP%2D02%2D2007/listing.html
USDA	Conservation Innovation Grants for Idaho	\$450,000	May 1, 2007	http://www.grants.gov/search/search.do?oppld=12577&mode=VIEW
EPA	Small Business Innovation Research Program	~\$3 million	May 23, 2007	http://www.fbo.gov/spg/EPA/OAM/CMD/PR%2DNDC%2D07%2D10155/SynopsisP.html
Ohio EPA	Clean Diesel School Bus Fund	<\$1 million	September 1, 2007	http://www.epa.state.oh.us/oeef/html/schoolbus



PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
1st Pacific Ports Conference on Clean Air Policies and Strategies	Los Angeles, California	December 13-15, 2006	Presentations are now available at http://www.ppcac.org/production/index.php?lang=en , but registration is required on the site to access them.
CARB Shore Power Workgroup Meeting	Sacramento, California	January 11, 2007	The presentation is available at http://www.arb.ca.gov/ports/shorepower/shorepower.htm .
CARB Commercial Harbor Craft Public Workshop	Sacramento, California	February 16, 2007	The staff presentation is available at http://www.arb.ca.gov/msprog/offroad/marinevess/presentations.htm#021607 .
CARB In-Use Off-Road Diesel Vehicle Rule Workshops	San Diego, Fresno, Sacramento, and Riverside, California	February 20, February 23, February 26, and March 1, 2007, respectively	http://www.arb.ca.gov/msprog/ordiesel/workshops.htm
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, 2007	Information will be posted soon at http://www.arb.ca.gov/ports/shorepower/shorepower.htm .

UPCOMING MEETINGS

Meeting	Location	Date	Website or Contact
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
2007 Annual West Coast Collaborative Partnership Meeting	Sacramento, California	March 28, 2007	http://www.westcoastcollaborative.org/partners-mtg07.htm



Meeting	Location	Date	Website or Contact
West Coast Collaborative Agricultural Leaders Forum	Sacramento, California	March 29, 2007	http://www.westcoastcollaborative.org/ag-leadership-forum.htm
Alternative Fuels and Vehicles National Conference and Expo 2007	Anaheim, California	April 1-4, 2007	http://www.afvi.org/NationalConference2007/index.html
Mobilizing North Carolina	Greensboro, North Carolina	April 18, 2007	http://www.mobilizingnc.com
Workshop on Innovative Funding for Clean Diesel Initiatives	Philadelphia, Pennsylvania	April 23-24, 2007	http://www.marama.org/calendar/events/2007_04DieselFund.html
EPA Public Hearing on New Clean Locomotive and Marine Diesel Rule	Seattle, Washington, and Rosemont, Illinois	May 8 and May 10, 2007, respectively	http://www.epa.gov/otag/marine.htm and http://www.epa.gov/otag/locomotv.htm
Idle Less, Save More: the Tri-State Idle Reduction Conference	Willowbrook, Illinois	May 10, 2007	Contact Samantha.bingham@cityofchicago.org .
Faster Freight - Cleaner Air, Puget Sound	Seattle, Washington	May 16, 2007	http://www.ffcapugetsound.com/

AWARDS FROM SOLICITATIONS

NEDC Grant to Reduce Locomotives Emissions

The EPA Northeast Diesel Collaborative (NEDC) recently awarded \$125,000 to the Port Authority of New York and New Jersey to retrofit five diesel locomotives utility track vehicles in New Jersey with idle reduction technologies to reduce diesel pollution. Part of the grant will also be used to add diesel oxidation catalysts to two or more of these

utility track vehicles to reduce the impact of locomotive operations on the environment. For more information, please go to http://yosemite.epa.gov/opa/admpress.nsf/names/r01_2007-2-16_cleandiesel and <http://www.northeastdiesel.org/>.



NCSC Funds 2 Idling Reduction Projects

Among the eight projects recently funded by the North Carolina Solar Center (NCSC) at North Carolina State University through the Clean Fuel Advanced Technology Project are two awards to reducing idling of diesel vehicles. One project, with Duke Energy, will share the cost for purchasing two hybrid electric/diesel aerial trucks. The typical aerial utility truck spends a significant amount of time idling at job sites to provide auxiliary power for the aerial portion of the truck. With the hybrid units, the diesel engine shuts down when the aerial equipment is in operation, totally reducing emissions from idling the vehicle at job sites.

The second project, which is with Petro Stopping Center, will help to cover the costs of dedicating 10 parking spaces at its Mebane facility as a Truck Stop Electrification (TSE) project to reduce emissions from

idling trucks. TSE for the 10 parking spaces will include a “power pod” and wiring to each of the spaces and will allow trucks equipped with electrical receptors to plug in for power needs. Free electricity will be provided at these plugs for the first year of operation.

Cost sharing of about 44 percent has come from the recipients. The projects are expected to be completed in the next 18 months. Another round of grants will be announced in March 2007.

More information is available at

http://www.ncsc.ncsu.edu/news/news_story.cfm?ID=279. Source: Anne Tazewell, NCSC

REGULATORY NEWS

Indiana, Maine Consider Bills to Help Truckers

The Indiana General Assembly has recently approved HB 1165, which would provide tax credits to individuals and corporations who purchase and install truck APU's in a qualified motor vehicle. To qualify, the motor vehicle must be classified as a heavy-duty vehicle under Federal law and be equipped with a sleeping compartment. The tax credit would be equal to 20 percent of the purchase price and installation cost of the APU and would be retroactive to January 1, 2007. As many as 24,000 Indiana-based truck drivers could be eligible. The bill has been forwarded to the Tax and Fiscal Policy Committee in the Indiana Senate. For more information on this bill, please see *Land Line* of February 27, 2007,

http://www.landlinemag.com/todays_news/Daily/2007/Feb07/022607/022707-04.htm, and <http://www.in.gov/legislative/bills/2007/HB/HB1165.1.html>.

Maine has taken steps to implement the weight waiver for APU's allowed by the Energy Policy Act of 2005. If enacted into law, LD 265 would exempt the weight of an APU weighing up to 400 pounds in heavy-duty diesel vehicles weighing over 8,500 pounds. More information can be found in *Land Line* of February 7, 2007, http://www.landlinemag.com/todays_news/Daily/2007/Feb07/022607/



[022807-07.htm](#) and

<http://www.mainelegislature.org/legis/bills/billtexts/LD026501.asp>.

EPA Seeks Comments on Locomotive, Marine Emissions

EPA is proposing a new rule, the Clean Air Locomotive and Marine Diesel Rule, to eliminate emissions from unnecessary locomotive idling and is asking for comments on a concept to reduce emissions from existing marine diesel engines when they are remanufactured. This proposal is part of EPA's ongoing National Clean Diesel Cam-

paign (NCDC) to reduce harmful emissions from diesel engines of all types. The draft regulatory impact analysis can be found at <http://www.epa.gov/otaq/regs/nonroad/420d07001.htm>. More information is available at http://www.greencarcongress.com/2007/03/epa_proposes_ru.html.

NEWS ABOUT PORTS

IEEE Begins Standard for Shore Power

The Institute for Electrical and Electronics Engineers (IEEE) has begun to develop the uniform standard for connecting commercial ships to shore power. Work on this international standard, IEEE P1713, "Electrical Shore-to-Ship Connections," responds to the likelihood that many ports will encourage or require vessels to access shore-based power during their time in port as a way to reduce air pollution.

The standard will offer recommended practices for all electrical system components needed when bringing power from shore to commercial ships, which often require more than 5 MW of power. Components covered include the shore power supply, shore connection boxes, cable connections, ship incoming panel, and control system.

IEEE P1713 also will address safety considerations and system maintenance and inspection.

This standard will recommend best practices to protect industry investment and promote universal connectivity. It also will foster coordinated development of analytical techniques, port infrastructure, and shipboard electrical plants to aid implementation of the "any ship, any port" concept. Additional information about this project can be found at http://standards.ieee.org/announcements/pr_P1713_new.html. Source: Joe Tario, New York State Energy Research and Development Authority (NYSERDA)



HYBRID COMMERCIAL VEHICLES

FedEx Puts More Medium-Duty Hybrids in Service

Four new FedEx medium-duty hybrid electric trucks are being put into service in Denver, Colorado, as the company plans to expand its hybrid fleet to 93 vehicles in 5 cities. In the company's view, these hybrids show commitment to a clean environment and offer a way to bring down the cost per vehicle. The delivery trucks, which have been developed in cooperation with Eaton Corporation and Environmental

Defense, decrease soot by 96 percent and NOx by 65 percent; in addition, the trucks travel 57 percent farther on a gallon of fuel while reducing fuel costs by over a third compared to diesel-only vehicles.

More information is available at

http://www.fleetowner.com/equipment/news/fedex_md_hybrids_service/index.html.

EPRI Leads Partnership to Develop Plug-In Hybrid Utility Truck

The Electric Power Research Institute (EPRI) is partnering with Eaton Corporation, Ford, and the South Coast Air Quality Management District (SCAQMD) to develop a plug-in hybrid utility trouble truck. SCAQMD is contributing \$300,000 to the \$1.6 million project. Other partners in the project include Southern California Edison (SCE), Los Angeles Department of Water and Power (LADWP), and Pacific Gas and Electric (PG&E), who have contributed \$900,000 in total.

The truck will be based on Ford's F-550 truck and will have plug-in capability with a goal of 20 miles of all-electric range for the vehicle, as well as 5 kW of export power for customers and accessory tools. In the second phase of the project, the scope will be expanded to 50 trucks and Ford's E-450 based vans. The F-550 truck will be equipped with a 6.0L V-8 diesel engine or a 6.8L V-10 gasoline engine and will use a parallel hybrid propulsion system. The battery pack will be recharged through regenerative braking, which recaptures

energy lost during braking.

SCE, PG&E and LADWP will each test the plug-in hybrid truck for durability and reliability as well as to determine final vehicle specifications for Phase 2.

PG&E and SCE will



Typical "Trouble" Truck (photo from EPRI)



demonstrate the diesel plug-in truck while PG&E and LADWP will test the gasoline truck. For more information on this project, please see <http://my.epri.com/port/server.pt?space=CommunityPage&cached=true&parent-name=ObjMgr&parentid=2&control=SetCommu->

[nity&CommunityID=221&PageIDqueryComId=0](#), plug in “plug-in hybrid trouble truck” into the search box, and look for the supplemental project dated 2/21/2007 (product ID 1014812). *Source:* Shefali, Ranganathan, Environmental and Energy Study Institute (EESI)

Hybrid School Buses Arrive in Florida

As mentioned in the July 2006 issue of this newsletter, school bus fleets are beginning to receive hybrid school buses from a Buyers Consortium organized by the Hybrid School Bus Project. Manatee school district in Florida recently took ownership of the first hybrid school buses in the State. The district received two 71-seater buses, which are powered by a V-8 engine and use an 80-W electric drive system. The buses are capable of recharging the battery pack through regenerative braking. The buses will join the district's fleet of 250 buses, all of which run on biodiesel.

The Manatee district received a grant of \$50,000 to purchase the buses, which are expected to improve fuel economy to 12 miles per gallon (up from 9 miles per gallon), helping the school district to save on fuel costs. The buses were purchased through a Buyers Consortium of school districts across the country seeking to lower the cost

premium associated with the purchase of these advanced technology buses. Currently, the buses cost \$225,000, a significant premium over comparable diesel school buses. Ten other States will receive hybrid school buses through the consortium.

Last year, the Hybrid School Bus Project coordinated by North Carolina-based Advanced Energy issued a request for bids for the manufacture of these buses. School bus manufacturer IC Corporation, in partnership with Enova Systems, responded to this request and won the bid to produce these buses. Volume purchases can help bring down the per bus cost while helping to build the market for this technology. More information about this project is available at <http://www.hybridschoolbus.org/>. *Source:* Shefali Ranganathan, EESI

Hybrid Tug Boats to Reduce Emissions at POLB

The Port of Long Beach (POLB) is sponsoring a new hybrid engine tug boat project to reduce emissions. The port will contribute \$500,000 to the \$8 million project, with the tug to be built by Foss Maritime. The vessel's hybrid engine will use diesel power for normal operations but switch to an electric engine during idling, much like a hybrid car. It will be “the first of its kind in the world,” according to the

port authority. Emissions from the hybrid engine will be reduced by at least 44 percent and fuel economy improved by 30 percent. The tug will cost around \$3 million more than a conventional configuration and the Port of Los Angeles may also contribute to the project.



Construction is expected to begin this year, and the new tug will enter into operations in 2008. For more information, please go to

<http://www.portworld.com/news/2007/02/67122>. Source: Joe Tario, NYSERDA

OTHER NEWS OF INTEREST

CAB Works to Reduce Idling in Central Pennsylvania, Engages DEP to Monitor Air Quality

The Clean Air Board (CAB) of Central Pennsylvania, a faith-based citizens' group from Carlisle, is actively working to limit idling of the trucking and warehouse industry in its environs. Board members appeared before the Pennsylvania Environmental Quality Board on January 17, 2007, to ask for legislation to limit diesel idling to 5 minutes in every hour after April 2010. Until then, CAB wants to limit idling to terminals, truck stops, and state-designated rest areas when temperatures are below 40°F or above 80°F.

The Environmental Quality Board moved the request to the Pennsylvania Department of Environmental Protection (DEP), which has until mid-April to suggest any changes before the proposal can move forward in the legislative process. It could take as long as 1-3 years before legislation could be in place.

CAB members say that Pennsylvania has become a haven for interstate truckers taking their required 10-hour breaks because it is the only State in the Mid-Atlantic region that has no restrictions on idling.

CAB's position is that a 5-minute limit would be consistent with Delaware (3 minutes), Maryland (5 minutes), New Jersey (5 minutes), and New York (5 minutes). Because of its location at the intersection of Interstates 81 and 76 (the Pennsylvania Turnpike), Carlisle sees a great deal of truck traffic.

The Pennsylvania Department of Environmental Protection (DEP) has recently announced that it install a stationary air monitor to gauge the amount of pollution in the area. More information is available at <http://www.cumberlandlink.com/articles/2007/02/05/news/news444.txt>, <http://www.cleanairboard.org>, <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4420>, <http://www.cumberlandlink.com/articles/2007/02/23/news/news179.txt>, <http://www.pennlive.com/news/patriotnews/index.ssf?/base/news/1172286614212770.xml&coll=1>, <http://www.cumberlandlink.com/articles/2007/02/23/news/news185.txt>, and <http://www.pennlive.com/news/patriotnews/index.ssf?/base/news/1173318930258400.xml&coll=1>.



Canada Announces “ecoFreight” Program

Transport Canada has unveiled a 4-year Can\$61 million environmental strategy, dubbed “ecoFreight,” that will affect all modes of transportation, including trucking. The program includes Can\$6 million to reduce provincial barriers to harmonization of adoption of emission-reducing technologies, including nationwide weight allowances for idling reduction equipment and other fuel-saving components. The six components of the program include anti-idling campaigns (in conjunction with Natural Resources Canada) and a Can\$6 million Marine Shore Power Program for ships docked in major urban centers. While

all components of the program are not yet firm, there is some hope from the Canadian Trucking Alliance that a rebate program will be reinstated for in-cab heaters. More information is available at <http://www.tc.gc.ca/programs/environment/ecotransport/ecofreight.htm>, http://www.fleetowner.com/management/news/canada_funds_ecofreight/index.html, and http://www.cantruck.com/news/news/2007/ctapr_2007_02_15_124129_rt.php3.

REGULAR FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it or retype it in the address box of your browser.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atrionline.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your State or municipality has changed anything listed here or if the infor-

mation listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South

Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

Editor

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NATIONAL IDLING REDUCTION NETWORK NEWS

January 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
California Air Pollution Control Officers Association (CAPCOA)	Carl Moyer Rural Assistance Program	\$977,000	February 15, 2007	http://capcoa.org/cmrap/
U.S. Environmental Protection Agency (EPA) Region 9	Annual Environmental Merit Awards	N/A	February 16, 2007	http://www.epa.gov/region09/awards/index.html
New York State Energy Research and Development Authority (NYSERDA)	PON 1090: Advanced vehicle R&D for new product development and for the siting or expansion of manufacturing facilities to produce innovative on-road vehicle components or systems in New York State	\$5 million	February 21, 2007	http://www.nyserda.org/includes/funding_content_pop.asp?i=PON%201090
North Central Texas Council of Governments (NCTCOG)	SmartWay Transport Partnership Upgrade Kit call for projects		February 23, 2007	http://www.nctcog.org/trans/air/programs/smartway/callforprojects.asp
Texas Emissions Reduction Plan (TERP)	First round of Emissions Reduction Incentive Grants for Houston-Galveston-Brazoria; Dallas-Fort Worth and Beaumont-Port Arthur Nonattainment Areas	TBD	February 28, 2007	http://www.tceq.state.tx.us/implementation/air/terp/erig.html



Organization	Project	Funding	Deadline	Website
Federal Highway Administration (FHWA)	Broad agency announcement for Exploratory Advanced Research Program	~\$20 million over the next 3 years	March 30, 2007, for pre-proposals for projects to be funded in FY 2007	http://www.fbo.gov/spg/DOT/FHWA/OAM/DTFH61%2D07%2DR%2D00117/Combine%20Synopsis%5FSolicitation.html
NCTCOG	North Texas Emission Reduction grants for vehicular NO _x reduction projects, including on-site electrification and auxiliary power units (APU's)	~\$5 million	Rolling deadline until funds are fully awarded	http://www.nctcog.org/trans/air/programs/terp/cfps/index.asp
North Carolina Solar Center	Mobile Clean Air Renewable Energy (CARE) awards	N/A	March 16, 2007	http://www.ncsc.ncsu.edu/news/news_story.cfm?ID=273

UPCOMING MEETINGS AND PRESENTATIONS FROM PAST MEETINGS

Meeting	Location	Date	Website or Contact
California Air Resources Board (CARB) Shore Power Workgroup Meeting	Sacramento, California	January 11, 2007	The presentation is available at http://www.arb.ca.gov/ports/shorepower/shorepower.htm
EPA SmartWay meeting on reducing motor coach idling	Washington, D.C.	February 15, 2007	Please call Paul Bubbosh, EPA, at (202) 343-9322 for more information.
CARB Commercial Harbor Craft Public Workshop	Sacramento, California	February 16, 2007	http://www.arb.ca.gov/harborcraft
CARB Workshop on In-Use Off-Road Diesel Vehicle rule	San Diego, Fresno, Sacramento, and Riverside, California	February 20, 23, 26, and March 1, respectively	Workshop information is available at http://www.arb.ca.gov/msprog/ordiesel/workshops.htm while pertinent documents are at http://www.arb.ca.gov/msprog/ordiesel/documents.htm .



Meeting	Location	Date	Website or Contact
Cascade Sierra Solutions Press Event and Open House	Coburg, Oregon	February 21, 2007	For more information, please contact Sharon Banks at (541) 302-0900 or sharon@cascadesierrasolutions.org .
Public meeting on Pier S Development Project	Long Beach, California	February 22, 2007	http://www.polb.com/civica/press/display.asp?layout=1&Entry=49
Faster Freight – Cleaner Air 2007	Long Beach, California	February 26-28, 2007	http://www.ffca2007.com/
Heavy-Duty Engine Emissions Reduction Funding Forum	Long Beach, California	March 1, 2007	http://www.westcoastdiesel.org/funding-forum-longbeach.htm
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, 2007	Information will be posted soon at http://www.arb.ca.gov/ports/shorepower/shorepower.htm
Annual West Coast Collaborative Partnership Meeting	Sacramento, California	March 28, 2007	For more information, please contact Trina Martynowicz at (415) 972-3966 or martynowicz.trina@epa.gov .
Alternative Fuels and Vehicles National Conference and Expo 2007	Anaheim, California	April 1-4, 2007	http://www.afvi.org/NationalConference2007/index.html
Workshop on Innovative Funding for Clean Diesel Initiatives	Philadelphia, Pennsylvania	April 23-24, 2007	http://www.marama.org/calendar/events/2007_04DieselFund.html

AWARDS FROM SOLICITATIONS

Pennsylvania DEP Exhausts Small Business Funding Again, Continues to Support Funding for Truck APU's

The Pennsylvania Department of Environmental Protection (DEP) has exhausted the funding available for the 2006-2007 budget years for its oversubscribed Small Business Advantage Grant Program. The program may reopen in July 2007 if the Pennsylvania legislature renews

funding for it. Prospective applicants are urged to check the program website in late June 2007 to find out the status of the program.



The DEP program recently made 29 awards valued at over \$185,000. Of these, six were for small trucking companies or owner-operators to purchase APU's for their trucks to reduce the need to idle. Cost-sharing of 50 percent is required for the total of \$28,705 awarded for

APU's. For more information, please go to <http://www.depweb.state.pa.us/enintech/cwp/view.asp?a=1413&q=503219> and <http://www.depweb.state.pa.us/news/cwp/view.asp?a=3&q=518087>.

REPORTS OF INTEREST

Source	Title	Website
EPA	<i>Motor Coach Idling Field Observation Study for Washington, DC, Metro Area</i>	http://www.epa.gov/smartway/idle-educ.htm
CARB	<i>Carl Moyer Program 2006 Status Report</i>	http://www.arb.ca.gov/msprog/moyer/moyer.htm
California Business, Transportation and Housing Agency and Cal/EPA	<i>Goods Movement Action Plan</i>	http://www.arb.ca.gov/gmp/gmp.htm
CARB	<i>Update on the Implementation of the 2005 ARB/Railroad Statewide Agreement</i>	http://www.arb.ca.gov/railyard/railyard.htm
CARB	<i>Draft Proposed State Strategy for California's 2007 Statewide Implementation Plan</i>	http://www.arb.ca.gov/planning/sip/2007casip.htm

REGULATORY NEWS

EPA Fines New England Bus Companies More Than \$237,000

Three bus companies in Connecticut, Rhode Island, and Massachusetts, jointly owned and operated by Peter Pan Bus Lines, will pay \$237,179 in penalties to settle violations of Federal clean air and clean water rules, some of which were violations of Massachusetts'

vehicle idling regulations. Massachusetts prohibits vehicle engine idling for more than 5 minutes, with certain exceptions.



According to the settlement consent agreement, Peter Pan violated this Clean Air Act regulation at least 45 times from February through April 2006 in and around Boston and Springfield, Massachusetts. This action is part of a larger EPA effort to minimize diesel idling, particularly in urban areas.

After EPA contacted Peter Pan regarding its air and water compliance, the company moved to strengthen its anti-idling program for its passenger buses. Specifically, the company implemented an innovative internal tracking system for monitoring bus idling in real time. More information on this enforcement action is available at <http://yosemite.epa.gov/opa/admpress.nsf/0/15f1471ddb02ad278525725f005439c1?OpenDocument>.

Aspen Gets Serious about Idling Vehicles

Employees of the Aspen, Colorado, Department of Environmental Health have recently begun to ticket idling cars for violating a year-old anti-idling ordinance. The city has been handing out \$50 tickets to violators whose engines are running for more than 5 minutes. Section 13.08.110 of Aspen's environmental regulations applies to any stationary motor vehicle that is idling for more than 5 minutes within any 1-hour period of time.

Although some people who have been ticketed profess ignorance of the ordinance, there are signs all over town. All city employees also carry informational cards about the ordinance. When they see an idling car but do not have a ticket booklet with them, they stick a card under the windshield wiper. More information is available at <http://www.summitdaily.com/apps/pbcs.dll/article?AID=/20070119/news/70119003&template=printart> and <http://www.vaildaily.com/apps/pbcs.dll/article?AID=/20070119/NEWS/101190059>

Photo by Jordan Curet/*The Aspen Times*





SCHOOL BUSES

Burlington Allows School Bus Heaters

State officials in Burlington, Vermont, have completed their review of whether small diesel-fired heaters to warm the engines in school buses should be regulated. Especially in cold climates, school buses often idle in school yards while the drivers wait to pick up students. Using these small heaters not only keeps the engines warm but means that the engines do not have to idle.

The Vermont Department of Motor Vehicles decided that school bus districts could install the heaters, but they must undergo inspections during the general school bus inspections that are conducted three times a year. For more information, please read <http://www.burlingtonfreepress.com/apps/pbcs.dll/article?AID=/20070109/NEWS02/701090311/1007&theme>. Source: Joe Tario, NYSERDA

TRUCK STOP ELECTRIFICATION

IdleAire Announces Opening of 100th Location

As part of its continued expansion, IdleAire Technologies Corporation recently opened its 100th Advanced Truckstop Electrification (ATE®) location and 6,622nd-equipped space. The milestone site, the sixth location in Illinois, is at the Bloomington TravelCenters of America at Exit 160A on the heavily traveled I-55 corridor. The company noted that it is well on its way to its goal of building 200 or more locations by the middle of 2007.

Now available in 26 States, IdleAire's technology allows drivers to shut off their engines instead of idling to maintain cab comfort, thus improving air quality, conserving fuel, contributing to better rested long-haul drivers on the highways, and improving drivers' comfort and lifestyle. IdleAire provides filtered central heating and air-conditioning, along with electrical outlets and a variety of communications and entertainment options into each truck cab. Drivers are required by Federal law to rest for at least 10 hours for every 11 hours on the road. Source: John Doty, IdleAire Technologies



New Start-Up Plans to Enter TSE Field

Truck Stop HVAC LLC of Palmer, Massachusetts, has developed a new business model for truck stop electrification (TSE). The new company claims that its approach is a simple and affordable system; it requires no person on-site, 100 percent of revenues go back to the travel center owner, and the drivers do not have to purchase any equipment. The system uses a universal, lightweight window insert to connect the vehicle to an air-conditioning/heat pump mounted on a concrete pedestal.

The company's business plan calls for bringing costs down so that the truck stop owner can buy or lease this equipment and have a new revenue stream from a currently non-performing asset, the parking lot. The company's AIRDOCK™ system will offer a 14,000-Btu heating and air-conditioning unit, internet access, and shore power to trucks parked at truck stops and terminals. For more information, please go to <http://www.truckstophvac.com> or contact Ken Neal at kneal@truckstophvac.com or (413) 519-5852.

NEWS ABOUT PORTS

Princess Cruises and Norwegian Cruise Line to Use AMP at Port of Los Angeles

Princess Cruises has signed an agreement to turn off its engines when its vessels dock at the Port of Los Angeles, and the ships will plug in to Alternative Maritime Power (AMP), or portside electrical power. The Port of Los Angeles' shore power capability will be available for use in 2008, and the technology is already available on 10 Princess ships that will call there. The project is similar to the shore power program Princess debuted in Juneau, Alaska, in 2001 and in Seattle, Washington, in 2005.

In a similar vein, Norwegian Cruise Line (NCL) has also committed to using AMP on its vessels while docked in Los Angeles starting in 2008. NCL has completed the initial technical modifications necessary to allow the *Norwegian Star*, whose home port is Los Angeles, to plug into the Port's AMP program. The second phase, which includes the installation of the plug-in switchboard, is scheduled to take place by the end of the year. Depending on the size of the ship, estimates are

that AMP will reduce NO_x by 1 ton and take more than half a ton of SO_x out of the air each day a ship is at berth and plugged in.

The new shore power agreement is part of the Port of Los Angeles' AMP Program. Princess and NCL have been actively engaged in the development of shore power capabilities at the Port and have provided technical support for the program. Shore power, also known as cold ironing, enables ships to turn off their diesel engines and connect to electric power that travels to the ship from a specially designed transformer. As a result, shore-based electricity runs all onboard services during the day-long calls.

To create this unusual power system, Princess has outfitted its ships with a custom-built state-of-the-art electrical connection cabinet that automatically connects the ship's electrical network to the local elec-



trical network ashore. The electrical power is transmitted from the landside transformer to the vessel via four 3½-inch diameter flexible electrical cables. The actual cable connection on the vessel is a traditional, though quite large, male/female plug and socket.

In November 2006, the Ports of Los Angeles and Long Beach approved a joint action to improve air quality in the South Coast Air Basin called the *Clean Air Action Plan*. The 5-year plan is a blueprint for the Ports to significantly reduce the health risks posed by air pollution from port-related ships, trains, trucks, terminal equipment, and harbor craft.

For more information, please see

<http://www.environmentalleader.com/?p=719>, <http://www.mycruiseplanner.net/2007/01/22/princess-to-use-shore-power-in-los-angeles/>, <http://www.travelweekly.com/articles.aspx?articleid=54697>, <http://www.travelweekly.com/articles.aspx?articleid=54804>, <http://www.mycruiseplanner.net/2007/01/29/ncl-signs-environmental-agreement-with-port-of-los-angeles/>, and http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20070131005957&newsLang=en.

MANUFACTURERS' NEWS

Dometic Receives Patent on Sleeper Cab Air-Conditioner

Dometic Environmental Corporation announced that it recently received U.S. Patent 7,171,822 on its new “split system” design for an auxiliary air-conditioning system for truck sleeper cabs. The system consists of a condensing unit mounted outside the truck and an evaporator-condenser-blower unit installed inside the vehicle. These two units are pre-charged with refrigerant at the factory so that the

entire system is automatically charged to the correct pressure when the line sets are connected. Another feature of this new system is “quick connect” refrigerant line sets. The means that there is no need for specialized EPA-approved tools for handling refrigerant. For more information, please go to <http://www.dometictruck.com/news.php>.

Thermo King Releases ROI Calculator for APU

Thermo King has introduced a return on investment (ROI) calculator for its TriPac Auxiliary Idle Reduction and Temperature Management System. This online tool is designed to help customers calculate the financial benefits of purchasing and operating TriPac systems and the associated payback period. The TriPac system allows truckers to

eliminate unnecessary idling and save money while providing engine preheating, battery charging, climate control, and power in truck cabs.

The calculator is available at <http://www.thermoking.com/tripac>. Once there, you can calculate the annual cost of idling, the annual costs



using a TriPac unit, annual savings, and payback period. You can then generate a detailed report for either a single tractor or an entire

fleet. The calculator allows for varying the time using both heating and air-conditioning and lets you factor in the maintenance costs also.

RigMaster Announces New Features for MY 2007 APU, Financing Options

Enhancements for the RigMaster Power Corporation Model Year 2007 APU are centered on the new microprocessor controller that features a large LCD display, one-touch stop/start and climate control, and single-tier access to all the menu features. The new controller also offers the user the option of displaying information in either English or metric units and improved engine monitoring, including a low-coolant sensor and adjustable voltage battery monitoring. The APU has an in-cab 20-amp GFI breaker easily accessible to the driver in the case of an overloaded fuse.

In addition, the RigMaster APU's AutoStart feature will become standard on all 2007 models. AutoStart features both a timed and automatic start mode for the climate control system as well as low-battery start up to ensure cold weather starts. Another improvement is that the system can go for 1,000 hours before needing an oil change.

RigMaster also announced a new financing partnership for its APU's offered by Lease Corporation of America (LCA) through RigMaster's dealer network. LCA is a full-service, direct finance, leasing company in the APU financing industry. More information is available at <http://www.rigmasterpower.com>. Source: Amy Ergeter, RigMaster Power Corporation

HYBRID COMMERCIAL VEHICLES

Volvo Introduces Hybrid Construction Truck

Volvo's Mack subsidiary, Mack Granite, recently unveiled a new construction truck that has a parallel hybrid drivetrain system. Developed with a \$6.8 million U.S. Air Force contract, the I-SAM driveline, which stands for Integrated Starter Alternator Motor, is expected to save up to 35 percent in fuel for stop-and-go applications today and up to 50 percent in the future, depending on driving conditions and applications. Trucks with the I-SAM driveline are scheduled to go into pro-

duction in 2009. The driveline is compatible with the Mack MP7 engine and automated manual transmission and works by storing electrical energy recovered during braking in ultracapacitors.

According to the company, there are many advantages to this system:



- it can be used as an auxiliary power source for refuse vehicles and other applications
- it may eliminate the need for power take-off equipment
- it has lower emissions
- it has low noise from the driveline
- it is lighter in weight because it can use a smaller diesel engine and ultracapacitors.

For more information, please see

http://www.landlinemag.com/todays_news/Daily/2007/Jan07/010807/011107-07.htm,
http://www.fleetowner.com/news/topstory/volvo_mack_hybrid_concept/index.html, and
http://www.todaystrucking.com/newsletter_archive.cfm?intNewsletterID=2&dtSentDate=2007-01-17%2010:00:00.0&intNewsletterCatID=3&pageaction=viewDetails&CFID=1161538&CFTOKEN=62794508.

ArvinMeritor to Develop First Diesel-Electric Drivetrain for Wal-Mart

ArvinMeritor Inc. and Wal-Mart Transportation have agreed to development of a dual-mode, diesel-electric drivetrain for a Class 8 tractor by 2009. The vehicle, which is believed to be the first dual-mode diesel-electric tractor prototype in development in North America, will be based on an International Class 8 ProStar tractor and powered by an engine developed by Cummins Inc.

Dual-mode diesel-electric drivetrains, which have both mechanical and electrical propulsion systems, use the electric motor drive primarily for periods of high demand under low-speed, high-load operating conditions, such as accelerating from a stop. Once moving, the mechanical propulsion system begins to blend its power with the electric motor until it reaches highway speeds, where the drive phases to completely mechanical. The electrical system can provide additional power during hill climbing, even at highway speeds. In addition to its work at highway speeds, the engine also charges an onboard energy storage system, which provides power to the electric motor when demand is high. Energy that is generated during braking is captured and stored using regenerative braking.

Wal-Mart, which is the second largest private fleet in the country, had announced earlier that in the next 10 years, it intends to double the fuel efficiency for its fleet of heavy-duty trucks. According to the *Financial Times*, Wal-Mart has been working with Environmental Defense, a not-for-profit environmental group, on applying the technology used by hybrid passenger cars to its tractors. Currently, the Wal-Mart company fleet averages 6.5 mpg, which is better than the industry average.

This year, the retailer is introducing more fuel-efficient conventional trucks that include aerodynamic side-skirts on its 53-foot long trailers, better tires, and auxiliary power units to reduce engine idling. The improvements are expected to improve fuel efficiency by no more than 13 percent so the retailer is turning to hybrid power to provide further gains.

The new vehicle will feature a long list environmentally friendly enhancements, including sufficient on-board battery power to handle overnight hotel loads, avoiding the need for shore-power or engine idling during rest periods; the ability to operate at low speeds for sustained periods of time without the use of the diesel engine; the elimi-



nation of engine idling during stops; and improved emissions through lower fuel consumption.

More information is available at <http://www.todaystrucking.com/news.cfm?intDocID=17273&CFID=1161538&CFTOKEN=62794508>,

<http://www.msnbc.msn.com/id/16564870/>, http://www.fleetowner.com/news/arvinmeritor_walmart_011207/index.html, <http://www.ttnews.com/members/topNews/0016790.html>, and http://www.todaystrucking.com/newsletter_archive.cfm?intNewsletterID=2&dtSentDate=2007-01-17%2010:00:00.0&intNewsletterCatID=3&pageaction=viewDetails&CFID=1161538&CFTOKEN=62794508.

OTHER NEWS OF INTEREST

South Shore Clean Cities Offers New Idling Reduction Website

As part of its mission to reduce emissions from diesel engines, South Shore Clean Cities of Northern Indiana has created a new website dedicated to idling reduction information. Check out this new website

at <http://www.smartidle.com> or contact Carl Lisek, at (219) 365-4289 or southscc@comcast.net for more information.

ATRI Updates Idling Regulations Compendium

The latest version of the American Transportation Research Institute (ATRI) compendium of idling regulations is now available online at http://www.atrionline.org/research/idling/Truck_Idling_Regulations.htm. Since first publishing the compendium in 2003, ATRI has distributed over 50,000 copies to truck drivers and motor carriers alike. Designed to help truck drivers reduce idling and comply with idling regulations throughout the United States, the compendium identifies 34 different State, district, county, and city regulations that establish idle limits for com-

mercial vehicles. Maximum idling limits and fines are listed, as well as specific exemptions. In addition to the online compendium, ATRI provides the information on a cab card which is designed to be printed, folded, and kept conveniently by drivers in the cab of the truck.

If your jurisdiction is not listed or if you find errors in the compendium, please contact Mike Tunnell (mtunnell@trucking.org) at ATRI.



Vermont Moves to Limit Idling of All Vehicles

Legislators in both the Vermont House and Senate have introduced bills to limit idling of all vehicles. H. 0058 and S. 0013 pertain only to idling school buses and would prohibit idling of school buses on school property. Exceptions to idling would have to be approved by the Vermont Secretary of Natural Resources, specifically for idling in cold weather.

H. 0069 pertains to prohibiting idling of vehicles weighing over 10,000 pounds while H. 0143 pertains to idling of all vehicles. As of yet, there is no companion legislation in the Vermont Senate for these two bills.

Idling would be limited to 5 minutes in any 60-minute period in H. 0069 while there is no time limit in H. 0143. Both bills propose exemptions for emergency and public safety vehicles, military vehicles, running auxiliary equipment, necessary maintenance, and being caught in traffic. Fines could be not more than \$500 in H. 0069, and no fine is mentioned in H. 0143. Temperature exemptions for idling when the temperature is less than 20°F for a 24-hour consecutive period or less than 10°F would be allowed in H. 0143. More information is available at <http://www.leg.state.vt.us/database/SEARCH/SEARCH.CFM> by plugging "idling" into the keyword search.

Indiana Considers Tax Credit for APU's

Indiana House Bill 1165 would provide an income tax credit of 20 percent for the cost of an APU and its installation in a commercial vehicle after December 31, 2006. The vehicle must be equipped with a sleeping compartment in order to qualify. The bill awaits further action in the Indiana Senate. For more information, please read [http://www.news-](http://www.news-tribune.net/clarkcounty/local_story_033120732.html/resources_printstory)

[trib-](http://www.news-tribune.net/clarkcounty/local_story_033120732.html/resources_printstory)
[une.net/clarkcounty/local_story_033120732.html/resources_printstory](http://www.in.gov/apps/lsa/session/billwatch/billinfo?year=2007&session=1&request=getBill&docno=1165)
and
[http://www.in.gov/apps/lsa/session/billwatch/billinfo?year=2007&sessi](http://www.in.gov/apps/lsa/session/billwatch/billinfo?year=2007&session=1&request=getBill&docno=1165)
[on=1&request=getBill&docno=1165](http://www.in.gov/apps/lsa/session/billwatch/billinfo?year=2007&session=1&request=getBill&docno=1165).

Cascade Sierra Solutions Opens First Showroom

Sharon Banks, CEO of the nonprofit agency Cascade Sierra Solutions, opened the first "green" trucking showroom recently in Coburg, Oregon. The organization will be offering loans to truckers and trucking companies along the I-5 corridor to purchase APU's and other energy-saving devices along with emission-reduction equipment that can be retrofit.

The showroom features 40 different kinds of technology for these improvements to long-haul tractors. Banks notes that trucks usually get only 5 miles per gallon of diesel fuel, but with a complete retrofit package of energy-saving technologies costing \$10,000-\$25,000 that she



offers, it would be possible to saving 25 percent of the trucker's fuel bill.



Banks has put together a loan portfolio of \$5.6 million from the Oregon Departments of Transportation and Energy plus the U.S. Small Business Administration. She is also lobbying for tax credits and grants from the States of

Oregon, Washington, and California to cover the cost of the more expensive devices. Banks intends to open showrooms in Seattle, Washington; Portland and Medford, Oregon; and Sacramento and Los Angeles, California. The showroom in Sacramento will open in July in partnership with the Sacramento Metropolitan Air Quality Management District. For more information, please go to <http://www.registerguard.com/news/2007/01/23/d1.bz.truckstop.0123.p1.php?section=business>, <http://www.oregonnews.com/apps/pbcs.dll/article?AID=/20070129/NEWS/70129006&template=printart>, and <http://www.cascadesierrasolutions.org>.

Photo by Thomas Boyd/*The Register-Guard*

REGULAR FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html.

Please update your bookmarks accordingly.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your State or municipality has changed anything listed here or if the infor-

mation listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South

Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

Editor

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Please note that some of the links in this newsletter are temporary and may move or expire in the coming weeks. Some sources may require registration or fee-based subscriptions.

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NATIONAL IDLING REDUCTION NETWORK NEWS

December 2006

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
Mid-Atlantic Regional Air Management Association	Mid-Atlantic Regional Small Business Anti-Idling Initiative for purchase of auxiliary power units (APU's) s for small trucking companies or independent truckers based in Delaware or Pennsylvania	\$48,000	January 15, 2007	http://www.dieselmidentatlantic.org/AntiIdle/index.html
City of Boston Air Pollution Control Commission	Demonstration, education, and research projects related to reducing air pollution emissions from on-road and off-road motor vehicles	Up to \$200,000	January 26, 2007	http://www.cityofboston.gov/environment
U.S. Environmental Protection Agency (EPA) Region 1	Annual Environmental Merit Awards	NA	January 27, 2007	http://www.epa.gov/ne/ra/ema
California Air Pollution Control Officers Association (CAPCOA)	Carl Moyer Rural Assistance Program	\$977,000	February 15, 2007	http://capcoa.org/cmrap/
New York State Energy Research and Development Authority (NYSERDA)	PON 1090: Advanced vehicle R&D for new product development and for the siting or expansion of manufacturing facilities to produce innovative on-road vehicle components or systems in New York State	\$5 million	February 21, 2007	http://www.nyserda.org/includes/funding_content_pop.asp?i=PON%201090



Organization	Project	Funding	Deadline	Website
Texas Emissions Reduction Plan (TERP)	First round of Emissions Reduction Incentive Grants for Houston-Galveston-Brazoria; Dallas-Fort Worth and Beaumont-Port Arthur Nonattainment Areas	TBD	February 28, 2007	http://www.tceq.state.tx.us/implementation/air/terp/erig.html
North Texas Council of Governments	North Texas Emission Reduction grants for vehicular NO _x reduction projects, including on-site electrification and APU's	~\$5 million	Rolling deadline until funds are fully awarded	http://www.nctcog.org/pa/YourRegion/YourRegion.pdf

UPCOMING MEETINGS AND PRESENTATIONS FROM PAST MEETINGS

Meeting	Location	Date	Website or Contact
California Air Resources Board (CARB) Public Workshops on In-Use Off-Road Diesel Vehicle Rule	Sacramento, Los Angeles, and Fresno (respectively), California	December 18, 20, 21, 2006	Presentations are at http://www.arb.ca.gov/msprog/ordiesel/workshops.htm .
CARB Shorepower Working Group	Sacramento, California	January 11, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
CAPCOA workshops on Carl Moyer Clean Engine Incentive Program	Redding, Ukiah, Jackson, Tehachapi, Colusa, California	January 17-31, 2007	Please see the CAPCOA website for the dates when the workshops will be held in each city: http://www.capcoa.org/workshops/cmrap.pdf
Transportation Research Board	Washington, D.C.	January 21-25, 2007	http://www.trb.org/meeting/
CARB Public Meeting (includes review of Carl Moyer Program)	Sacramento, California	January 25, 2007	http://www.arb.ca.gov/regact/nonreg/carlmoyer07.pdf



Meeting	Location	Date	Website or Contact
TERP Grant Writing Workshops	Fort Worth, Houston, Beaumont, Denton, Galveston (LaMarque), and Plano, Texas	January 30 - February 12, 2007	Please see the TERP website for the dates when the workshops will be held in each city: http://www.tceq.state.tx.us/implementation/air/terp/erig_mtg.html
Clean Ships: Advanced Technology for Clean Air	Coronado, California	February 7-9, 2007	http://www.westcoastdiesel.org/files/other/Clean%20Ships%20Announcement.pdf
2007 Clean Heavy-Duty Vehicle Conference	Los Angeles, California	February 13-15, 2007	http://www.cleanheavyduty.com
EPA SmartWay meeting on reducing motor coach idling	Washington, D.C.	February 15, 2007	Please call Paul Bubbosh, EPA, at (202) 343-9322 for more information.
Cascade Sierra Solutions Press Event and Open House	Coburg, Oregon	February 21, 2007	For more information, please contact Sharon Banks at (541) 302-0900 or sharon@cascadesierrasolutions.org .
Faster Freight – Cleaner Air 2007	Long Beach, California	February 26-28, 2007	http://www.ffca2007.com/
Heavy-Duty Engine Emissions Reduction Funding Forum	Long Beach, California	March 1, 2007	http://www.westcoastdiesel.org/funding-forum-longbeach.htm
Annual West Coast Collaborative Partnership Meeting	Sacramento, California	March 28, 2007	For more information, please contact Trina Martynowicz at (415) 972-3966 or martynowicz.trina@epa.gov .
Alternative Fuels and Vehicles National Conference and Expo 2007	Anaheim, California	April 1-4, 2007	http://www.afvi.org/NationalConference2007/index.html



AWARDS FROM SOLICITATIONS

Ports of Indiana to Reduce Rail Yard Emissions

The Midwest Clean Diesel Initiative of EPA Region 5 has announced that it has awarded a \$200,000 grant to the Indiana Department of Environmental Management (IDEM) for a project to cut diesel emissions from locomotives at the Ports of Indiana facility in Jeffersonville, Indiana. IDEM will use the grant to upgrade as many as four rail switch engines that operate full-time on the port property. Plans call for two locomotives to be equipped with APU's and two with slug

units. Improved air quality from these retrofits will help Clark County meet its national outdoor air-quality standards for fine particles. For more information, please go to <http://www.epa.gov/midwestcleandiesel/newsroom/newsroom2006.htm> and <http://yosemite.epa.gov/opa/admpress.nsf/81dfbf1a0b671f3b85257018004ce441/1360d4227a238bb685257242005d8275!OpenDocument>.

REPORTS OF INTEREST

Source	Title	Website or Contact
CARB	<i>The Carl Moyer Program 2006 Status Report</i>	http://www.arb.ca.gov/msprog/moyer/moyer.htm or Joe Calavita at (916) 445-4586 or jcalavit@arb.ca.gov for a hard copy
EPA SmartWay	<i>SmartWay Transport: Helping the Freight Industry Save Fuel, Money, and the Environment</i> (2005 annual progress report)	http://epa.gov/smartway/newsandevents.htm

TRUCK STOP ELECTRIFICATION

SmartWay Expands to Truck Stops

EPA's SmartWay Transport Partnership has been working with the National Association of Truck Stop Operators (NATSO) for the past 2 years to develop a partnership agreement for truck stops and plazas. In order for a NATSO member to become a SmartWay partner, the truck stop owner has to agree to create an idle-free zone of 50 or

more spaces or 25 percent of the spaces in the parking lot, whichever number is smaller for the first year. After 5 years, the number of spaces in the idle-free zone would grow to 150 or 75 percent of the spaces in the lot, again whichever number is smaller. Trucks would not be allowed to idle in this zone, but they could use an APU or elec-



trified spots. For more information, please go to [http://www.natso.com/Content/NavigationMenu/NewsPubs/NATSONe](http://www.natso.com/Content/NavigationMenu/NewsPubs/NATSONewsWeekly/101906/default.htm)

[wsWeekly/101906/default.htm](http://www.natso.com/Content/NavigationMenu/NewsPubs/NATSONewsWeekly/101906/default.htm).

NEWS ABOUT PORTS

Evergreen Group Ships Go Electric in LA

The *Hatsu Sigma*, the largest-ever vessel from the Evergreen Group, docked for the first time in early December 2006 at the Port of Los Angeles. This container ship holds 7,024 TEU's (twenty-foot equivalent unit) and is among the cleanest in the trade. Evergreen's "S" class vessels are equipped to operate from shoreside electrical power while at berth. While this adds \$2 million to the cost of the vessel, so-called "cold-ironing" significantly reduces pollutants compared to the

traditional use of auxiliary diesel engines for power while in port. Evergreen, a global operator, is equipping all 10 of its "S" class vessels with cold-ironing capability even though Los Angeles is the only port in the world that has a requirement for the use of shoreside electrical power for container ships. For more information, please go to <http://freightshipping.blogspot.com/2006/12/evergreen-mega-ship-calls-la.html>.

OTHER NEWS OF INTEREST

New SmartWay Website Shows Alternative Fuel Locations, Electrified Truck Stops, and More

The EPA SmartWay Transport Partnership has recently created and posted a new website of interest to their partners and others searching for the location of alternative fueling stations for E-85 and biodiesel, electrified truck stops. The interactive map of the continental United States allows finding whether the location is in a non-attainment area

or includes the headquarters of SmartWay partners; in addition, the map shows the location of National Clean Diesel Campaign and Clean School Bus USA projects. Please check it out at http://epamap10.epa.gov/website/irim_us_map.asp.



Washington State Wants Feedback on Reducing Diesel Emissions

The Washington State Department of Ecology's Air Quality Program has developed a strategy document to guide their work on reducing emissions from diesel engines. This document and a short focus sheet are available at <http://www.ecy.wa.gov/pubs/0602022.pdf> and <http://www.ecy.wa.gov/pubs/0602018.pdf>, respectively. While these

documents are "internal," in that they are being used to guide the work of the Air Quality Program, the program is seeking informal feedback on them from the public. Please respond to Frank Van Haren at (360) 407-6870 or fvan461@ecy.wa.gov, and feel free to forward this notice to others so that they can respond to him also.

REGULAR FEATURES

How to Find Back Issues of National Idling Reduction Network News

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http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your State or municipality has changed anything listed here or if the infor-

mation listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

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Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

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NATIONAL IDLING REDUCTION NETWORK NEWS

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SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
Mid-Atlantic Regional Air Management Association	Mid-Atlantic Regional Small Business Anti-Idling Initiative for purchase of auxiliary power units (APU's) for small trucking companies or independent truckers based in Delaware or Pennsylvania	\$48,000	January 15, 2007	http://www.dieselmidatlantic.org/AntiIdle/index.html
City of Boston Air Pollution Control Commission	Demonstration, education, and research projects related to reducing air pollution emissions from on-road and off-road motor vehicles	Up to \$200,000	January 26, 2007	http://www.cityofboston.gov/environment
U.S. Environmental Protection Agency (EPA) Region 1	Annual Environmental Merit Awards		January 27, 2007	http://www.epa.gov/ne/ra/ema/
New York State Energy Research and Development Authority (NYSERDA)	PON 1090: Advanced vehicle R&D for new product development and for the siting or expansion of manufacturing facilities to produce innovative on-road vehicle components or systems in New York State	\$5 million	February 21, 2007	http://www.nyserda.org/includes/funding_content_pop.asp?i=PON%201090
North Texas Council of Governments	North Texas Emission Reduction grants for vehicular NO _x reduction projects, including on-site electrification and APU's	~\$5 million	Rolling deadline until funds are fully awarded	http://www.nctcog.org/pa/YourRegion/YourRegion.pdf



UPCOMING MEETINGS AND PRESENTATIONS FROM PAST MEETINGS

Meeting	Location	Date	Website or Contact
EPA West Coast Diesel Collaborative Fall 2006 Diesel Emissions Reduction Funding Forums	Oakland, Fresno, and Sacramento, California	November 6, 7, and 8, 2006 (respectively)	Presentations are at http://www.westcoastcollaborative.org/funding-forum.htm
Pacific Ports Air Quality Collaborative, First International Conference on Port Clean Air Policies and Strategies	Los Angeles, California	December 13-15, 2006	http://www.ppagc.org/en_conference.html
California Air Resources Board (CARB) Public Workshops on In-Use Off-Road Diesel Vehicle Rule	Sacramento, Los Angeles, and Fresno (respectively)	December 18, 20, 21, 2006	http://www.arb.ca.gov/msprog/ordiesel/workshops.htm
CARB Shorepower Working Group	Sacramento, California	January 11, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
Transportation Research Board	Washington, D.C.	January 21-25, 2007	http://www.trb.org/meeting/
Clean Ships: Advanced Technology for Clean Air	Coronado, California	February 7-9, 2007	http://www.westcoastdiesel.org/files/other/Clean%20Ships%20Announcement.pdf
2007 Clean Heavy-Duty Vehicle Conference	Los Angeles, California	February 13-15, 2007	http://www.cleanheavyduty.com
Faster Freight – Cleaner Air 2007	Long Beach, California	February 26-28, 2007	http://www.ffca2007.com/



REGULATORY NEWS AND EVENTS

Massachusetts Continues its Crackdown on Idling Trucks

The Massachusetts Department of Environmental Protection (MassDEP) recently cited 12 truck operators for ignoring a State law that limits most idling of vehicles to 5 minutes or less. This was the second sweep of violators in less than a year. MassDEP noted that both the weather conditions and the use of the trucks at the time of the violation did not fall within any exemption and was therefore “unnecessary.” Between June and August 2006, MassDEP inspectors observed approximately 130 trucks on neighborhood streets, shopping centers, terminals, and distribution facilities in 13 communities in all parts of Massachusetts. Twelve trucks were running too long be-

tween stops. MassDEP is requiring the 12 truck operators to provide driver training so that the drivers know what the law is and how public health can be adversely affected by idling.

Massachusetts law and MassDEP regulations limit vehicle idling to no more than 5 minutes in most cases and applies to both gasoline- and diesel-powered vehicles. Enforcement is by MassDEP, police departments, and local boards of health. For more information, please see <http://www.mass.gov/dep/public/press/1006truc.htm>. Source: Julie Ross, MassDEP

Pennsylvania Move to Limit Idling Dies at End of Legislative Session

As reported in last month's issue, the Commonwealth of Pennsylvania is moving toward regulating unnecessary idling of commercial diesel-powered vehicles. On November 13, 2006, Representative Will Gabig (R-Carlisle) introduced HB 3079, the Restrictions on Idling Act, in the House Transportation Committee. This proposed law would apply to vehicles loading, unloading, or parked if they idle for more than 5 minutes in any 60-minute period. Vehicles would be allowed to idle if the temperature is lower than 40°F or higher than 80°F provided all truck stop, terminal, and rest area parking spots are occupied. Buses could idle for 10 minutes before passenger boarding and idle to maintain

passenger comfort while passengers are on board. Operating APU's, generator sets, or other types of mobile idling reduction technology would be exempt from the penalty of a summary offense. However, the General Assembly adjourned before the bill could be moved out of the Transportation committee. More information is available at http://www.landlinemag.com/todays_news/Daily/2006/Dec06/120406/120506-04.htm and <http://www.legis.state.pa.us/CFDOCS/Legis/PN/Public/btCheck.cfm?xtType=PDF&sessYr=2005&sessInd=0&billBody=H&billTyp=B&billNr=3079&pn=4914>.



TRUCK STOP ELECTRIFICATION

IdleAire Reports 3d Quarter Results, Reaches 10 Million Hours of Service

IdleAire Technologies Corporation released its 3d quarter revenues, which showed an increase of 89 percent for the first 9 months of this year compared to last year or \$8.9 million compared to \$4.7 million. Revenues for the 3d quarter of 2006 were \$4.7 million compared to \$2 million for the same quarter last year. As of September 30, 2006, IdleAire was operating 4,371 spaces at 67 sites in 21 States compared to 1,346 spaces at 24 sites last year. In the 3d quarter of 2006, IdleAire installed facilities at 30 new truck stops and 2 fleet terminals while closing 2 “non-core” locations.

The net loss for the quarter ending September 30, 2006, increased to \$13.6 million, compared with a net loss of \$4.8 million in the prior year period due to increases in net interest expense of \$4.3 million and direct site operating costs of \$4.6 million due to costs associated with

deployment of the network, according to the company. The company expects to be profitable in the first half of 2007.

Separately, IdleAire announced that it had reached 10 million hours of service on Thanksgiving Day, November 23, 2006. The company also reached two additional milestones – approximately 10 million gallons of diesel conserved and over 233 million pounds, or 105,900 metric tons, of diesel emissions eliminated -- since its first three small test installations in 2001. More information is at http://www.idleaire.com/newsroom/releases/11_14_2006.jsp, http://www.knoxnews.com/kns/business/article/0,1406,KNS_376_514_6981.00.html, and http://www.idleaire.com/newsroom/releases/11_27_2006.jsp.

Everhart Leaves IdleAire

David Everhart, one of the co-founders of IdleAire Technologies Corporation and its original Chief Executive Officer and current Chief Operating Officer, has resigned for medical reasons. IdleAire has named Lynn Youngs, its current Executive Vice President, as his successor. Everhart will continue to serve as a member of the Board of Directors

until January 15, 2007. Yong joined IdleAire in 2005 after serving as Vice-President of Goody's Family Clothing for more than 10 years. For more information, please go to http://www.idleaire.com/newsroom/releases/11_2_2006.jsp.

Inc. Names IdleAire to “Green 50”

The November issue of *Inc.*, a magazine for small businesses, has a list of the 50 companies that it has denoted as “The Green 50.” This

group of entrepreneurial companies runs good businesses, addresses environmental issues, and makes money at the same time. The



magazine profiles eight groups: industrialists, integrators, converts, pioneers, builders, the “road crew,” futurists, and recyclers. IdleAire is highlighted in the road crew group, which includes Tesla Motors,

Extengine Transport Systems, Prometheus Energy, and Zipcar. For more information, please view http://www.inc.com/magazine/20061101/green50_intro.html.

MANUFACTURERS' NEWS

Carrier Transicold to Offer APU Financing

With the growing interest in the use of APU's as a means for truckers to reduce diesel emissions while conserving fuel, Carrier Transicold's dealers now offer flexible financing for APU purchases. Carrier has selected Lease Corporation of America as a preferred supplier because of its trucking industry experience. According to the company, it is not unusual for monthly savings in fuel to more than offset the monthly installment payment. The ComfortPro APU provides air-conditioning, heating, and household current for a truck sleeper cab as well as battery charging and truck engine warming. The equip-

ment offers all-electric architecture, the Deltek™ hybrid diesel-electric technology found in Carrier's Vector™ 1800MT trailer refrigeration units. The ComfortPro APU's energy source is a 4,000-watt generator driven by a diesel engine. A hermetically sealed electric compressor inside the cabin provides air-conditioning. The APU has a 1,000-hour service interval and a 2-year, 4,000-hour warranty. For more information about financing options for the ComfortPro APU, please go to www.trucktrailer.carrier.com. Source: Tom Cunningham, Carrier Transicold

Teleflex Buys Ecotrans Technologies

Teleflex Incorporated has completed its purchase of Ecotrans Technologies Incorporated, a supplier of locomotive APU's. Ecotrans has annual revenues of about \$8 million.

Since 2001, Teleflex Power Systems, a subsidiary of Teleflex, has been the exclusive manufacturer of Ecotrans APU's. The locomotive APU supplies all necessary services, such as battery charging, coolant and oil heating, and electrical power management without the need to idle the main engine. Locomotive operators are expected to save between 16,000 and 22,000 gallons of fuel per year while reducing emissions of NOx and hydrocarbons.

Teleflex entered the truck market in 1990 with its Proheat® fuel-fired heater, and since 2000 has developed APU's. Earlier this year, Carrier Transicold became the exclusive global distributor of Teleflex's ComfortPro™ APU for heavy-duty trucks. Further information is available at <http://phx.corporate-ir.net/phoenix.zhtml?c=84306&p=irol-newsArticle&ID=928834&highlight=> and <http://phx.corporate-ir.net/phoenix.zhtml?c=84306&p=irol-newsArticle&ID=937618&highlight=>.



Two PACCAR Brands to Offer No-Idling Option

In the second quarter of 2007, PACCAR will offer an alternative energy platform in its Kenworth and Peterbilt tractors that will allow drivers to cool, heat, and operate electrical components inside the cab without idling their engines. The company claims that its Kenworth Clean Power™ and Peterbilt Comfort Class™ will reduce fuel consumption by 8 percent annually. For example, the Clean Power System provides 110 V for hotel loads during a 10-hour mandated rest period.

Kenworth uses four deep-cycle batteries to power a microwave-sized thermal storage cooler, which fits under the bunk. The liquid inside the cooler is cooled to freezing while the truck is being driven or is connected to shore power. The 21,000 Btu's of cooling capacity can keep the cab cool for 10 hours even when the outside temperature is up to 95°F. When drivers need heat instead of air-conditioning, they can either hook up to shore power and use a small diesel-fired heater, which is also mounted under the bunk. More information is available at http://www.paccar.com/NewsReleases/article_news.asp?file=2024 and http://www.kenworth.com/6100_pre_mor.asp?file=2014.

Eaton's New ePTO Patents Reduce Idling

Eaton Corporation has been awarded U.S. Patent 7,104,920, among others, for its Hybrid Electric Power System, which will be commercially available through manufacturers in 2007 (see article on hybrid trucks below). The patents are focused on controls and systems related to Eaton's hybrid technology for commercial vehicles, including its power take-off (ePTO) feature. The ePTO provides utility and telecommunications users the ability to run the vehicle's PTO while the engine is off, resulting in a fuel saving of up to 60 percent. That feature also cuts engine idling time by up to 87 percent while reducing noise and emissions, according to the company. For more informa-

tion, please go to

http://www.fleetowner.com/equipment/news/eaton_hybrid_patents/index.html and [http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnethtml%2FPTO%2Fsearch-bool.html&r=3&f=G&l=50&co1=AND&d=PTXT&s1=%22Eaton+Corporation%22.ASNM.&s2=hybrid&OS=AN/\"Eaton+Corporation\"+AND+hybrid&RS=AN/\"Eaton+Corporation\"+AND+hybrid](http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnethtml%2FPTO%2Fsearch-bool.html&r=3&f=G&l=50&co1=AND&d=PTXT&s1=%22Eaton+Corporation%22.ASNM.&s2=hybrid&OS=AN/\).



NEWS ABOUT PORTS

POLA, POLB Approve Landmark Port Action Plan

The governing boards of the Port of Los Angeles (POLA) and the Port of Long Beach (POLB) approved the *San Pedro Bay Ports Clean Air Action Plan*, the most comprehensive strategy to cut air pollution and reduce health risks at this seaport complex. The boards have now committed the ports to reducing pollution by at least 45 percent over the next 5 years at an estimated cost of \$2 billion. The plan was created with the cooperation and participation of the South Coast Air Quality Management Board, CARB, and EPA.

With regard to idling reduction, the plan calls for extensive use of ship-to-shore electricity at the ports within 5 years. All major container cargo and cruise ship terminals would be equipped with shore-side

electricity. POLB will develop 10-16 electrified berths in 5 years, while POLA will have shore-side electricity at 15 berths in that same time span.

Railroads fall under this plan, also. All Class 1 railroads operating in the rail yards at POLA and POLB will install anti-idling devices that automatically shut off after 15 minutes by 2011. In addition, exhaust hoods will be utilized to capture emissions from locomotives. For more information, please go to http://www.polb.com/environment/air_quality/clean_air_action_plan.asp.

USS Nimitz Shows CARB How Cold Ironing Keeps California's Air Clean

The USS Nimitz (CVN 68) hosted Dr. Robert Sawyer, CARB Chairman, recently as he sought information on how the U.S. Navy contributes to keeping California's air clean. Sawyer was very interested in the use of cold ironing, which naval vessels have been using for years while in port. Cold ironing uses shore power to run a ship's electrical systems instead of diesel generators, which give off large amounts of air pollutants. Despite resistance by the commercial shipping indus-

try, Sawyer commented that CARB is very interested in applying cold ironing to large cargo ships as dockside emissions from these ships are quite substantial when they are using auxiliary power. Sawyer said the Navy has a successful energy reduction program dating back to 1990 under the Federal Clean Air Act. For more information, please go to <http://www.navycompass.com/news/newsview.asp?c=199964>.



NEWS ABOUT HYBRID HEAVY VEHICLES

Manufacturers Introduce New Heavy-Duty Hybrids at HTUF

The Hybrid Truck Users Forum (HTUF) in San Diego, California, on November 14-16, 2006, was the venue for several manufacturers to make announcements about several new types of hybrid vehicles.

Peterbilt. This subsidiary of PACCAR plans to build a limited number of hybrid-electric Class 7 trucks for municipal and utility truck application sometime in 2007. This vehicle uses a PACCAR PX-6, 2007



Photos courtesy of Michael Laughlin, New West Technologies

Peterbilt Hybrid Utility Truck

EPA-compliant engine and an Eaton Corporation parallel hybrid system, which has regenerative braking. Energy stored during idling is used to power the vehicle's power take-off (PTO). The company expects fuel economy to improve by 30-40 percent and maintenance costs to go down. For more information, please go to http://www.fleetowner.com/equipment/news/peterbilt_hybrid_vehicle/index.html.

Peterbilt also announced that it has built a hybrid Class 8 tractor and is testing it over-the-road. Based on a Peterbilt Model 386 chassis, the truck uses an Eaton hybrid-electric drive system. The Eaton system is designed to capture high-speed braking energy going downhill and provide power for high-speed acceleration when climbing hills. Efficiency gains plus the opportunity to provide for hotel loads with the engine off could allow for a 5-7 percent improvement in fuel economy for long-haul trucks.

Oshkosh. This Wisconsin-based company introduced its proprietary ProPulse® hybrid drive technology in a refuse vehicle. The system increases fuel economy, reduces emissions, lowers life-cycle costs, and has lower interior and exterior noise. The company claims that customer tests show a 20-50 percent improved in fuel economy over typical refuse trucks. The hybrid technology is the result of a 4-year technology development partnership among the U.S. Department of Energy (DOE) National Renewable Energy Laboratory (NREL), Oshkosh, Rockwell Automation, The Ohio State University, Waste Management, and John Miller Enterprises. More information is available at <http://phx.corporate-ir.net/phoenix.zhtml?c=93403&p=irol-newsArticle&ID=931029&highlight=>.



Oshkosh Hybrid Refuse Hauler

Eaton. This company plans to manufacture 1,000 hybrid-electric drivelines annually for medium-duty trucks starting in mid-2007. Currently, 24 units have been produced for International-Eaton utility trucks, with 100 follow-on orders in the works.

NREL Study Compares Hybrid vs. CNG Transit Buses

NREL has published the final version of a study comparing 10 new compressed natural gas (CNG) and next-generation diesel series-hybrid electric bus propulsion systems operated at New York City Transit (NYCT) against a baseline of conventional diesel buses. The DOE laboratory report is part of a series of evaluations from NREL that track and evaluate new propulsion systems in transit buses and trucks. The buses evaluated in the study were the original 10 prototype diesel-hybrid buses from Orion and BAE Systems (model Orion VI buses) operated at NYCT. That evaluation was the subject of a July 2002 report and provided results from the prototype buses from 1998 through 2001. This report focuses on 10 new compressed natural gas (CNG) buses and hybrid propulsion systems.

This report describes the evaluation results for new Orion VII low floor buses at NYCT with CNG propulsion (equipped with Detroit Diesel Corporation Series 50G CNG engine) and new hybrid propulsion

(equipped with BAE Systems' HybriDrive propulsion system). These final results represent a 12-month evaluation of these two groups of buses (October 2004 through September 2005). The buses evaluated are the same age, the same bus platform, have been operated on similar duty cycles, and experienced similar maintenance practices.

Conclusions of the report include:

- Hybrid-diesel buses showed an increase of 37 percent in fuel economy compared to standard diesel-powered buses and 88 percent compared to CNG buses.
- Maintenance costs for hybrids were 5 percent lower than CNG buses.



- Emissions from the diesel hybrids were 90 percent lower for particulate matter, 40 percent lower for NO_x, and 30 percent fewer greenhouse gases.
- Drivers like the increased torque of the hybrid for help in accelerating and hill climbing.

The complete report can be found at
<http://www.nrel.gov/vehiclesandfuels/fleetttest/pdfs/40125.pdf>.

RAILROADS

Pan Am Railways (aka Guilford) Drops Lawsuits, Agrees to Install APU's Systemwide

Guilford Rail Systems, renamed Pan Am Railways in March 2006, has dropped its lawsuit against Andover, Massachusetts, and has agreed to equip its locomotives with APU's to reduce noise and fumes while the locomotives are idling in the town. This settles a long dispute between the railroad and the town about the town's ability to curtail idling within its borders. Residents living along the railroad tracks have long complained about trains that idled on sidings for up to 36 hours at a

time. Pan am has agreed to equip all of its 105 locomotives with APU's within 5 years at the rate of 2 engines a month. Please see the December 2004, December 2005, and January 2006 issues of this newsletter for the background of this and similar cases dealing with Pan Am. More information is available at
http://www.eagletribune.com/local/local_story_318063817.

OTHER NEWS OF INTEREST

Cummins Offers Free Guide to Idling Regulations

Cummins, manufacturer of the ComfortGuard™ APU, is now distributing a free 8-page guide to the myriad anti-idling regulations in States and localities. The guide, "Idle Talk: How the Regulations Affect You," offers fleet owners and truck drivers a quick-reference compendium of the latest maximum idling time allowed across the country. "Idle Talk" also gives a concise historical perspective of idling laws and how

APU's use can help truckers meet the confusing and conflicting regulations across the country. "Idle Talk: How the Regulations Affect You" may be downloaded at
<http://www.cumminscomfortguard.com/offer>. Source: Joe Tario, NYSERDA



SmartWay, SBA Roll Out New Loan Program for Upgrade Kits

EPA's SmartWay Transport Partnership has joined with the U.S. Small Business Administration (SBA) to use the resources of the SBA Express Loan program for the purchase of SmartWay Upgrade Kits by small trucking companies. Financial partners are currently Bank of America, Business Loan Express, Superior Financial Group, and other SBA lenders. The kits include idle-reduction devices, low rolling resistance tires, aerodynamic equipment, and exhaust aftertreatment devices. The kits can improve truck fuel efficiency by 15 percent and save more than \$8,000 in fuel costs annually, while significantly reducing emissions of soot and nitrogen oxides.

Participating lenders will provide quick approval and affordable monthly payments. Small trucking firms can borrow from \$5,000 to

\$25,000, with no collateral, an easy on-line or telephone application, and flexible loan terms. Over the last 2 years, EPA has worked with the Arkansas, Minnesota, and Oregon to create some small, State loan programs. These programs have limited capital available, and loans were available only to truckers licensed in the participating State. This new national SmartWay loan program now provides unlimited capital to any trucker or small company in the United States by means of loans available through SBA. Information on EPA's SmartWay Transport Partnership program and the loan initiative can be found at <http://www.epa.gov/smartway/financing.htm> and http://fleetowner.com/management/news/epa_offers_loans/.

New Canadian Program Helps Fleets Go Green

The Fraser Basin Council and its program partners – Western Economic Diversification Canada and the British Columbia Ministry of the Environment – recently kicked off the E3 Fleet Program for fleet managers. It is designed to help fleet managers increase fuel efficiency, reduce emissions, manage expenses, incorporate new technologies, and use alternative fuels. One of the features of this new program is a calculator to show cost savings of using idling-reduction equipment.

The E3 Fleet system has four components: a Green Rating Guide, a points system for determining just how green fleet is, a third-party audit of fleets, and the ultimate rating at the Bronze, Silver, Gold, or

Platinum level. The “green” rating of fleets, the first in North America, will be on a points-based system related to the company's fleet action plan, its driver training and awareness efforts, idling reduction, vehicle purchasing, fuel data management, operations and maintenance, trip and route planning, utilization management, fuel efficiency, and greenhouse gas performance. Members of the program have access to software-based services that provide comprehensive reports on fleet performance. For more information, please go to <http://www.e3fleet.com/mc/page.do?sitePagelD=38616>. Source: http://www.greenbiz.com/news/news_third.cfm?NewsID=34275



REGULAR FEATURES

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at

http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your

State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York,

South Carolina, Tennessee, and Texas). Both IdleAire and Shure-power installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.



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NATIONAL IDLING REDUCTION NETWORK NEWS

October 2006

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
New York State Energy Research and Development Authority (NYSERDA)	PON 1072: Clean diesel technology to improve the environmental performance of diesel-powered equipment in New York State, focusing on the use of anti-idling technologies and reduction of energy losses associated with emission controls	\$1.25 million with 50-percent cost share required for two categories and 25-percent cost share preferred for one category	November 20, 2006	http://www.nyserda.org/Funding/funding.asp?i=2
U.S. Environmental Protection Agency (EPA) Region 8	Region 8 Clean School Bus USA	\$415,000 with 5-percent cost share	November 30, 2006	http://www.epa.gov/region8/air/Reg8CSBRFP2006Rev3.pdf
	Rocky Mountain Clean Diesel Collaborative	\$100,000		http://www.epa.gov/region8/air/NCDCRFP2006Rev3.pdf
NYSERDA	PON 1090: Advanced vehicle R&D for new product development and for the siting or expansion of manufacturing facilities to produce innovative on-road vehicle components or systems in New York State	\$5 million	February 21, 2007	http://www.nyserda.org/includes/funding_content_pop.asp?i=PON%201090



SOLICITATION AWARDS

Pennsylvania Small Business Advantage Program Funds More APU's

More independent truckers and small trucking companies in Pennsylvania have received funding for auxiliary power units (APU's) from the Pennsylvania Department of Environmental Protection (DEP) Small Business Advantage Grant Program. In this round of funding, 45 percent of the \$224,318 awarded, or \$101,103, went for the purchase of APU's, and 18 of 39 awards, or 46 percent, went for this purpose. DEP requires a 50-50 cost share.

For the second year in a row, this grant program has proved so popular that funding soon will run out for the current fiscal year. The

program is no longer accepting applications for the current round of funding. This program is open to small business owners whose business or facility is located in Pennsylvania. An eligible applicant must be a for-profit business enterprise that is a corporation, limited liability company, partnership, sole proprietorship or other legal entity that has no more than 100 employees and is a separate legal business entity at the time the application is submitted. Applicants may be manufacturers or service providers. For more information, please go to

<http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4279>.

Too Much Success for New Wisconsin Program

Starting July 1, 2006, the Wisconsin Department of Commerce began a new grants program for truckers. The Diesel Truck Idling Reduction Grant Program allows trucking companies and independent truckers to purchase idling reduction equipment. The grants will reimburse the trucking companies for 70 percent of the cost of idling reduction equipment and installation.

The Department recently announced the results of its first solicitation, and it made awards totaling \$1 million to 58 trucking firms in Wisconsin. There were 18 awards totaling \$750,000 to large fleets

having over 50 trucks and 40 awards to small fleets having 50 or fewer trucks.

However, applications exceeded the funding available very quickly after the start date of the program. All applicants not funded are being encouraged to apply for the next round of funding starting July 1, 2007. Source: <http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html> and http://www.landlinemag.com/todays_news/Daily/2006/Oct06/100906/101006-01.html



SmartWay Recognizes Environmental Excellence in Fleet Operations and Shippers

EPA's SmartWay Transport Partnership recently held award ceremonies for environmental excellence at two national conferences. SmartWay Excellence Awards were presented to exemplary shipping companies at the Annual National Association of Environmental Management Conference in Savannah, Georgia, on October 25, 2006. At the American Trucking Associations Annual Management

Conference & Exhibition in Grapevine, Texas, on October 30, 2006, SmartWay acknowledged the accomplishments of trucking companies that had reduced energy consumption and greenhouse gas emissions by integrating innovative strategies and technologies into their fleet operations.

Category	Awardee	Location
Large, For-Hire Carriers	Contract Freighters, Inc.	Joplin, Missouri
	Roehl Transport, Inc.	Marshfield, Wisconsin
	Schneider National, Inc.	Green Bay, Wisconsin
	YRC Worldwide, Inc.	Overland Park, Kansas
Small-to-Mid-Size, For-Hire Carriers	Bison Transport, Inc.	Winnipeg, Manitoba
	Langford Trucking, Inc.	St. Cloud, Minnesota
	National Freight, Inc.	Vineland, New Jersey
	New Century Transportation, Inc.	Westhampton, New Jersey
	O & S Trucking, Inc.	Springfield, Missouri
Private Fleets	H-E-B	San Antonio, Texas
	Smithfield Transportation Co., Inc.	Smithfield, Virginia
	Quad Graphics	Sussex, Wisconsin
	Wal-Mart Stores, Inc.	Bentonville, Arkansas
Shippers	IKEA Distribution Services, North America	Plymouth Meeting, Pennsylvania
	Interface, Inc.	Atlanta, Georgia (joint award with Meridian IQ)
	Owens Corning	Toledo, Ohio
	Sharp Electronics Corporation	Mahwah, New Jersey
Logistics Companies	APL Logistics	Jacksonville, Florida
	Epes Logistics Services, Inc.	Greensboro, North Carolina
	Meridian IQ	Overland Park, Missouri (joint award with Interface, Inc.)
Affiliates	Minnesota Trucking Association	Roseville, Minnesota
	New Jersey Motor Carrier Association	East Brunswick, New Jersey
	Lane Regional Air Protection Agency and Cascade Sierra Solutions	Springfield, Oregon, and Brownville, Oregon (joint awardees)



More information is available at
<http://www.epa.gov/smartway/awards.htm> and

<http://www.truckline.com/NR/exeres/1A826B12-17E7-4DB0-B425-5A6FB20846CD.htm>.

UPCOMING CONFERENCES AND REGULATORY MEETINGS

Meeting	Location	Date	Website or Contact
Electric Drive Transportation Association Conference & Exposition	Washington, D.C.	November 28-30, 2006	http://www.electricdrive.org/conference2006/index.php?tg=addon/9/form&id_ap=1&trt_step=1&id_step=4
Bay Area Air Quality Management District Carl Moyer Workshop	San Francisco, Oakland, San Jose, and Vallejo, California	December 1, 4, 5, 6 (respectively)	http://www.baaqmd.gov/pln/grants_and_incentives/carl_moyer/index.htm
Pacific Ports Air Quality Collaborative, First International Conference on Port Clean Air Policies and Strategies	Los Angeles, California	December 13-15, 2006	http://www.ppagc.org/en_conference.html
Transportation Research Board	Washington, D.C.	January 21-25, 2007	http://www.trb.org/meeting/
Clean Ships: Advanced Technology for Clean Air	Coronado, California	February 7-9, 2007	http://www.westcoastdiesel.org/files/other/Clean%20Ships%20Announcement.pdf
2007 Clean Heavy-Duty Vehicle Conference	Los Angeles, California	February 13-15, 2007	http://www.cleanheavyduty.com
Faster Freight – Cleaner Air 2007	Long Beach, California	February 26-28, 2007	http://www.ffca2007.com/



REGULATORY NEWS AND EVENTS

Final Rules Published for FHWA Oasis Program

The Federal Highway Administration (FHWA) published its final policies on its Interstate Oasis Program in the *Federal Register* on October 18, 2006. This new program, which was established as part of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU, Public Law 109-59, August 10, 2005), allows States to designate and provide signing to certain facilities off the freeway that will provide increased opportunities for drivers of all vehicles who stop to rest, use restroom facilities, and obtain basic services. The policies include eligibility criteria for a business to be designated as an Interstate Oasis and uniform signing practices. Most Oases will be within 3 miles of the highway.

In response to a comment from the Owner-Operators Independent Drivers Association (OOIDA), FHWA agreed that there should be no charge for any vehicle to park at the facility. Parking would be available for 10 hours a day, or more. Electrical power hookups for vehicle heating, ventilation, and air-conditioning would be at the option of the operator of the Oasis. More information is available at http://ops.fhwa.dot.gov/resources/news/news_detail.asp?ID=287, http://www.landlinemag.com/todays_news/Daily/2006/Oct06/101606/101906-03.htm, and http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2006_register%26docid=E6-17367.

5 NY Counties Join Forces to Reduce Idling

Nassau, Putnam, Rockland, Suffolk, and Westchester Counties in New York State signed an agreement with EPA on October 12, 2006, to work on specific projects to reduce diesel pollution. The counties have committed to designing and enforcing measures to reduce engine idling, along with retrofitting, retiring, and replacing polluting engines; creating cleaner fleets of municipal vehicles; adopting cleaner fuels; and investing in pollution reduction technologies. The efforts associated with idling reduction include:

- Nassau County will work to pass a local law restricting vehicle idling to no more than 3 minutes by December 2006.
- Putnam County will work to pass a local law restricting vehicle idling to no more than 3 minutes by December 2008 and reach out to school districts, school bus operators, private bus operators, and public and private fleet operators to encourage idling reduction measures.
- Rockland County will:
 - Continue its efforts to establish an idling law to reinforce and supplement the 1972 Sanitary Code of the County of Rockland, which already restricts the idling of motor vehicles in the county to no more than 3 consecutive minutes.
 - Develop a public education campaign, including the posting of “No Idling” signs, that informs the citizens of the monetary and health penalties associated with unnecessary idling.



- Advocate for the placement of truck stop electrification facilities at truck stops and rest areas in the region.
- Work with commuter and freight rail operators to encourage them to install APU's to reduce emissions from idling diesel locomotives in rail yards and along the county's rail lines.
- Suffolk County will work to encourage implementation of idle reduction measures through education campaigns and explore ways to increase enforcement.
- Westchester County will implement the provisions of Local Law 1-2006, signed on March 1, 2006, which reduces idling of vehicles within the county to 3 minutes.

For the complete text of the agreement and for more information about how to reduce diesel emissions, please go to <http://yosemite.epa.gov/opa/admpress.nsf/7144dd430c47561885257018004c77a3/ff11b8c2a24b531a8525720500659047!OpenDocument>, <http://www.epa.gov/region02/air/nymagi.pdf>, and <http://www.northeastdiesel.org>.

Three States Study Truck Rest Area Needs

State agencies in New Jersey, New York, and Connecticut are cooperating on a regional study to recommend new sites for rest areas and/or expansion of current facilities. Due to the lack of sufficient parking spaces at rest areas and truck stops, truck drivers frequently end of turning the shoulders of I-95, I-80, and I-78 into de facto rest stops at night. This situation creates a safety hazard and security issues as the drivers are required to pull over to rest after

driving a certain number of hours. The study is expected to be completed early next year and presented to transportation departments and lawmakers in those three States at that time.

Source: *Land Line*, October 26, 2006,

http://www.landlinemag.com/todays_news/Daily/2006/Oct06/102306/102606-05.htm

Pennsylvania Considering New Anti-Idling Regulation

The Clean Air Board of Central Pennsylvania has asked the DEP to enact statewide restrictions for big trucks and other diesel vehicles idling at rest stops. The proposed restrictions would limit idling to 5 minutes per hour, except when the temperature falls below 40°F or above 80°F. The restrictions do not apply if the truck is using an APU. An article in the Harrisburg *Patriot-News* referred to the 5-minute limit as “a sufficient time to heat or cool an occupied truck cabin.” All idling, regardless of temperature, would be restricted to 5 minutes

after 2010. Again, anti-idling technologies would be excluded.

Source:

http://www.landlinemag.com/todays_news/Daily/2006/Oct06/101606/102006-01.htm and http://nl.newsbank.com/nl-search/we/Archives?p_product=HRNB&p_theme=hrnb&p_action=search&p_maxdocs=200&s_referrer=HRNB&s_dispstring=idling&p_fieldadvanced-0=&p_textadvanced-



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CARB's Final Regulation on Reducing Idling Emissions from Diesel Trucks Now Official

The California Office of Administrative Law (OAL) has approved the requirements to reduce idling emissions from new and in-use diesel trucks as adopted by the California Air Resources Board (CARB) on October 20, 2006. The rulemaking, which applies to model year 2008 and later model year truck engines, became effective on November 15, 2006.

Title 13 of the California Code of Regulations, §2485, contains the specifics pertaining to what devices are allowed. APU's must be equipped with acceptable pollution control equipment and route the

exhaust directly into the vehicle's exhaust pipe before the location of the aftertreatment equipment. There are exemptions for buses, school buses, recreational vehicles, medium-duty vehicles, emergency vehicles, and military tactical vehicles. Enforcement would be from CARB, police, and local air pollution and air quality management districts. Fines would start at \$100.

The final rulemaking package can be viewed at CARB's webpage at <http://www.arb.ca.gov/regact/hdvidle/hdvidle.htm>.

MANUFACTURERS' NEWS

Carrier Lengthens Service Interval, Boosts Reliability of ComfortPro™ APU

Carrier Transicold announced that it has improved its ComfortPro™ Auxiliary Power Unit (APU) by extending the service interval to 1000 hours, using R-134a refrigerant, and changing to a 60-amp alternator. The company claims that performance is enhanced while lowering lifecycle costs.

The ComfortPro™ APU provides air-conditioning, heating, and household electrical current for a truck sleeper cab, battery charging, and truck engine warming. It also offers an all-electric architecture in its Deltek™ hybrid diesel-electric technology, which is found in Carrier's Vector™ 1800MT trailer refrigeration units.

By using a larger oil reservoir and new oil filter, the oil-service interval has been doubled and means that a truck will not have to perform a maintenance stop exclusively for an APU oil change. The R-134a refrigerant is the same as that used in automotive air-conditioning systems, making service simpler for technicians due to standardized parts and procedures. The new alternator provides 50-percent more power than the original so that the truck driver is assured of being able to charge the most deeply depleted batteries in a timely fashion. Other improvements include a new condenser with a proven fin-and-tube design; use of a thermostatic expansion valve, rather than a



capillary tube mechanism; and addition of a low-pressure sensor to protect the unit by shutting it down in the event of a refrigerant leak. The energy source for the APU is a 4,000-watt generator driven by its diesel engine. For high reliability, its air-conditioning system uses a sealed electric compressor located inside the cabin. All ComfortPro

APU's have 2-year, 4,000-hour warranty. For more information, please go to http://www.fleetowner.com/news/carrier_transicold_comfortpro_apu/index.html and <http://www.trucktrailer.carrier.com>. Source: Thomas Cunningham, Carrier Transicold

NEWS ABOUT PORTS

POLB Approves "Green Lease" Project

The Long Beach, California, Board of Harbor Commissioners have given preliminary approval for a major construction contract that calls for "environmentally friendly" improvements under the Port of Long Beach (POLB) "green lease" terminal agreements. Under this \$45.8 million contract, work will begin on required facilities necessary to provide shore-side electricity, also known as "cold-ironing," to docked ships that will enable them to shut down their diesel engines and

reduce polluting emissions. The entire 8-year, \$686 million development project is intended to modernize the entire terminal with more efficient, environmentally friendly truck gates, rail yards, and berths. For more information, please go to http://www.polb.com/about/news/2006_news.asp and October 4, 2006, issue of *Truckline Express*.

OTHER NEWS OF INTEREST

Guidance on Idling Reduction in New York State Now Available

With the support of NYSERDA and EPA's SmartWay Transport Partnership, the New York Planning Federation has recently published an idling reduction guidance document for the various local, regional, and metropolitan planning commissions across the State. Entitled "A Municipal Official's Guide to Diesel Idling Reduction in New York State," the guidebook presents basic information and practical solutions for consideration in land use planning and zoning. The document is designed to assist State and local officials in

understanding the issues, alternative technologies and approaches, and in making sound decisions that can proactively reduce the occurrence and impact of diesel idling. The guidebook is available on NYSERDA's website at <http://www.nyserda.org/publications/09-06GuidetoDieselIdlingReduction.pdf>. If you would like a hard copy, please contact Joe Tario of NYSERDA at jdt@nyserda.org or (518) 862-1090 ext 3215.



Syracuse Shopping Mall to Use “Green” Approaches, Reduce Construction Vehicle Idling, Promote SmartWay

The developer of the expansion of the Carousel Center shopping mall in Syracuse, New York, has signed an agreement with EPA Region 2 to turn the expansion of the shopping center into an opportunity to be “green.” Among the voluntary measures cited in the agreement between the developer and EPA are retrofitting more than 100 construction vehicles used in the expansion with diesel particulate filters, implementing techniques to reduce the idling of construction equipment, increasing hybrid and biodiesel-powered vehicles in the

fleet, and promoting the EPA SmartWay Transport Partnership to the project’s carriers, shippers, and tenants in order to reduce diesel emissions and conserve energy. For more information, please contact Rick Moriarty at (470) 3148 or rmoriarty@syracuse.com, or go to

<http://www.syracuse.com/business/poststandard/index.ssf?/base/business-5/1159262611252860.xml&coll=1>.

STANDARD FEATURES

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at

http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your State or municipality has changed anything listed here or if it is in

error, please let us know, and we’ll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York,

South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

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NATIONAL IDLING REDUCTION NETWORK NEWS

September 2006

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
U.S. Environmental Protection Agency (EPA) Region 3	Mid-Atlantic Diesel Collaborative	\$300,000	October 30, 2006	http://www.epa.gov/region03/grants/RFP_Diesel_Collaborative_R3APD.pdf
Federal Highway Administration (FHWA)	Pilot program for State and local governments to create more long-term parking spaces for trucks on or near the National Highway System	\$5.385 million	November 27, 2006	http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/pdf/E6-14254.pdf
EPA Region 8	Region 8 Clean School Bus USA	\$415,000 with 5-percent cost share	November 30, 2006	http://www.epa.gov/region8/air/Reg8CSBRFP2006Rev3.pdf
	Rocky Mountain Clean Diesel Collaborative	\$100,000		http://www.epa.gov/region8/air/NCDCRFP2006Rev3.pdf
New York State Energy Research and Development Authority (NYSERDA)	Advanced vehicle R&D for new product development and for the siting or expansion of manufacturing facilities to produce innovative on-road vehicle components or systems in New York State	\$5 million	February 21, 2007	http://www.nysenda.org/includes/funding_content_pop.asp?i=PON%201090



SOLICITATION AWARDS

DOE Clean Cities Funds Idling Reduction Training, Awareness for School Districts

The U.S. Department of Energy (DOE) Clean Cities program has selected two projects for its Idle Reduction Training and Awareness for School Districts topic area. These projects will develop and implement comprehensive school bus driver, student, faculty, and parent education and awareness programs to eliminate or reduce idling of school buses in school districts.

Salt Lake City Clean Cities Utah Clean Cities Coalition. This \$100,000 award will create and disseminate a model idling-reduction program that can be easily replicated by school districts across the country to help them reduce petroleum consumption, save on fuel costs, minimize harmful emissions, and protect children's health. This project includes the development of an idling-reduction curriculum, training in six partnership school districts in Utah and Nevada, and the dissemination of the school bus idling reduction model to schools nationwide. The current idling baseline will be established to determine the effectiveness of the program. Team members include the National Energy Foundation, the Nevada Office of Energy, the Environmental and Energy Study Institute, the National School Board

Association, the Cache County School District, the Washington County School District, and the Salt Lake School District. The Coalition will provide a cost share of \$115,000.

Association of Central Oklahoma Governments. This grant is a 50-50 cost share of \$50,242 from DOE and \$50,242 from the awardee. Funding will be used to conduct idling-reduction training and awareness for school districts in central Oklahoma. The project will include the development and demonstration of techniques to reduce fuel usage and harmful emissions, demonstration of the benefits of idling policies, publishing and presentation of project results including best practices and fuel savings realized, training of transportation directors, bus drivers and key communicators, and dissemination of results to all Oklahoma school districts and school districts nationwide. Team members include the Oklahoma Department of Environmental Quality and the Choctaw Nicoma Park Public Schools. Clean Cities partners include Central Oklahoma. *Source:* Dennis Smith, DOE Clean Cities

Pennsylvania Small Business Advantage Program Succeeds Too Well

As of September 7, 2006, Pennsylvania's Small Business Advantage Program had already exhausted its funding for the fiscal year that had begun on July 1, 2006. Small Business Advantage is a highly successful grant program from the Department of Environmental Protection (DEP) that provides 50-percent matching grants, up to a maximum of \$7,500, to enable a Pennsylvania small business to

adopt or acquire energy-efficient or pollution prevention equipment or processes. As in the past, trucking companies and independent truckers have used program as a source of grants to purchase auxiliary power units (APU's). Of the \$373,554 available in this round of grants, almost 42 percent of the funding, or \$156,380, was used to cost-share the purchase of APU's. For more information, please go to



<http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4190>.

Source: Arleen Shulman, Pennsylvania DEP

TCEQ Announces TERP Grants

The Texas Commission on Environmental Quality (TCEQ) Texas Emissions Reduction Plan (TERP) Program recently released its list of projects recommended for \$78.4 million in funding from the latest Emissions Reduction Incentive Grants Program Request for Applications, which closed on July 7, 2006. Applicants were from the

Houston-Galveston-Brazoria, Dallas-Fort Worth, and Beaumont-Port Arthur areas. Of the 283 awards that TERP made, 12 were for APU's for trucks, and the total funding awarded for APU's was \$71,814. Further information is available at <http://www.terpgrants.org> or (800) 919-TERP (8377).

New Jersey Receives \$2.1 Million for Diesel Emissions Reduction

EPA Region 2 recently awarded \$2.1 million to the State of New Jersey for four projects to reduce diesel emissions:

Truckers' Challenge -- On-Board Idling Reduction Devices (\$750,000). An innovative trucking industry effort to purchase alternative energy sources and equipment to reduce idling and help truckers save on fuel costs. The New Jersey Department of Environmental Protection (NJDEP) will work with EPA and a New Jersey-based trucking association that represents short-haul motor carriers to purchase of APU's or bunk heaters.

Idle-Free Corridor -- New Jersey Turnpike Truck Stop Electrification Project (\$1 million). This project will expand the infrastructure for truck-stop electrification in New Jersey by electrifying parking spaces at a truck stop along the New Jersey Turnpike.

Diesel Risk Reduction Project -- Analysis of In-Cabin School Bus Emissions (\$215,000). This study will determine how effective retrofits are in reducing fine-particle pollution inside school buses. The results of the analysis will provide scientific direction for an upcoming legislated statewide mandatory retrofit program for certain diesel vehicles, including school buses.

Idling Minimization Outreach Project (\$135,000). This outreach campaign will discourage unnecessary idling of engines throughout New Jersey, particularly targeting the trucking industry. The outreach campaign will, for the first time, focus on idling transit buses and idling passenger vehicles at New Jersey's many tourist attractions. The campaign will also train police in New Jersey on how to effectively enforce the State's 3-minute limit for engine idling. Source: <http://yosemite.epa.gov/opa/admpress.nsf/7144dd430c47561885257018004c77a3/7c3309b33a632ed5852571f00054d79f!OpenDocument>



North Texas Truckers Receive EPA Grant to Save Fuel, Reduce Emissions

EPA's SmartWay Transport Partnership awarded a \$300,000 grant to the North Central Texas Council of Governments (NCTCOG) to test the SmartWay Upgrade Kit on local long-haul delivery routes to reduce truck emissions and save fuel. NCTCOG will use the grant to work with transport companies to test the equipment on 30- 50 trucks.

The SmartWay Upgrade Kit comprises five fuel-saving and emission reduction technologies. It typically consists of an idling reduction

technology, low rolling resistance tires, improved aerodynamics, a diesel fuel oxidation catalyst, and a particulate matter (PM) filter. In tests, these kits can reduce fuel consumption by 10-15 percent. They also reduce pollution from carbon dioxide and nitrogen oxide emissions by 10-15 percent and PM by 25-90 percent. More information is available at

<http://yosemite.epa.gov/opa/admpress.nsf/4d84d5d9a719de8c85257018005467c2/50167c009d5044e4852571ff0054ff43!OpenDocument>.

UPCOMING MEETINGS

Meeting	Location	Date	Website or Contact
Cascade Sierra Solutions Information Meeting	Eugene, Oregon	October 30, 2006	Sharon Banks, sharon@cascadesierrasolutions.org
Society of Automotive Engineers Commercial Vehicle Engineering Congress	Rosemont, Illinois	October 31-November 2, 2006	http://www.sae.org/events/cve
Rocky Mountain Clean Diesel Conference	Denver, Colorado	November 1-2, 2006	http://www.cleanairfleets.org/conference.html
Workshop on Innovative Funding on Clean Diesel Initiatives	Albany, New York	November 8-9, 2006	http://marama.org/calendar/events/2006_11DieselFund.html
EPA West Coast Diesel Collaborative Fall 2006 Diesel Emissions Reduction Funding Forums	Oakland, Fresno, and Sacramento, California	November 6, 7, and 8, 2006 (respectively)	http://www.westcoastdiesel.org/index.htm
Pacific Ports Air Quality Collaborative, First International Conference on Port Clean Air	Los Angeles, California	December 13-15, 2006	http://www.ppaqc.org/eng_conf_info.htm



Policies and Strategies			
2007 Clean Heavy-Duty Vehicle Conference	Los Angeles, California	February 13-15, 2007	http://www.cleanheavyduty.com

REGULATORY NEWS

DNREC Gets Serious about Truck and Bus Idling

As of September 1, 2006, Delaware began enforcing a 3-minute anti-idling regulation. The target vehicles are tractor-trailers, school buses, delivery vans, and other heavy vehicles. Under the rules, drivers of vehicles 8,500 pounds and over face fines of \$50 to \$500 for first offenses if caught idling for longer than 3 minutes, with some exceptions. Penalties for subsequent offenses can range from \$500 to \$1,500. Delaware Department of Natural Resources and Environmental Control (DNREC) officials approved the idling restrictions in April 2005 and will have primary responsibility for its enforcement.

School bus drivers can idle for up to 5 minutes during pickups, while a 15-minute window is allowed when the weather is below freezing; limits are waived when temperatures dip below -10°F. There are also exemptions for emergency vehicles and drivers using truck sleepers who need power for air-conditioners or other systems if they would have to drive more than 25 miles to reach an outside power source.

According to the August/September issue of Land Line Magazine, Delaware does not offer any type of incentive, grant, or tax-break program specifically designed for truckers to purchase anti-idling technologies, such as APU's.

Citizens can report idling violations by calling Delaware's 24-hour Environmental Complaint Line in-state at (800) 662-8802. Verizon wireless cellular phone users can lodge a complaint by calling #DNR. Exceptions are listed at http://www.dnrec.state.de.us/air/aqm_page/docs/pdf/REG_45.pdf or by calling (302) 739-9402. For more information, please go to <http://www.delawareonline.com/apps/pbcs.dll/article?AID=/20060901/NEWS/609010352>, <http://www.awm.delaware.gov/awm/newsStory.asp?PRID=2183>, and http://www.truckflix.com/news_article.php?newsid=4177.

Wisconsin Summarizes Idling Reduction at Construction and Distribution Sites

The Wisconsin Bureau of Equity and Environmental Services commissioned a study from CTC & Associates on States' regulation of the idling of on- and off-road diesel equipment on construction

projects and the idling of diesel trucks at distribution/warehouse facilities. Below are some of their findings:



Overview:

- Model State Idling Law. EPA has issued a Model State Idling Law document to provide guidance for States for use in developing their own anti-idling regulations.
- Emission Reduction Incentives for Off-Road Diesel Equipment Used in the Port and Construction Sectors. A number of States are adopting laws that limit vehicle and equipment idling; enforcement of these anti-idling regulations reportedly varies widely.
- Status Report on Clean Mobile Source Diesel Initiatives in the Northeast States and Eastern Canadian Provinces. A number of States in the Northeast report considerable success with anti-idling initiatives through education, rather than enforcement.

Idling at Distribution Facilities:

- Illinois Approves Idling Restrictions. Violators would face a fine of \$50 for a first offense; a second or subsequent offense within any 12-month period would bring a \$150 fine.
- Maricopa County, Arizona, Vehicle Idling Restriction Ordinance. Distribution center owners or operators are required to erect and maintain a permanent sign at least 12" X 18" in size that indicates the maximum idling time allowed in the county, fines, and a phone number for further information.

Idling at Construction Projects:

- Connecticut Clean Air Construction Initiative. Truck staging zones will be established for diesel-powered vehicles waiting to load or unload materials. The zones will be located where diesel emissions will have the least impact on abutters and the general public. Idling will be limited to 3 minutes for delivery, dump trucks, and other diesel-powered equipment with some exceptions.

- Construction Equipment Operating Restrictions. TCEQ adopted a rule to restrict heavy-duty diesel construction equipment rated at 50 horsepower or more from operating from 6 a.m. through 12 p.m. from April through October, in an attempt to delay nitrogen oxides emission and limit ozone production.
- Cost-Benefit Analysis of Equipment Idling Reduction and Control on Construction Sites. EPA is partnering with the Associated General Contractors of America on a research effort to analyze the costs and benefits of equipment idling reduction and control on construction sites.
- Bay Area 2005 Ozone Strategy and Draft Environmental Impact Report – Summary. The Bay Area Air Quality Management District has drafted a control measure that would reduce emissions from the idling of diesel equipment through the voluntary adoption and enforcement of a model ordinance by local government agencies. Compliance by construction contractors could be promoted through informational materials provided by local governments, license renewals, and/or mailings.
- Clean Construction Equipment -- Voluntarily Accelerating Emissions Benefits. Cost-effective measures that provide immediate and significant reductions without requiring infrastructure change include retrofitting with pollution-control devices, replacing old engines, using low-sulfur fuel or fuel additives, and repairing/rebuilding existing engines (smoke testing programs). Idling restrictions for construction equipment may be applied through government contracts.

Further information is available at

<http://www.dot.state.wi.us/library/research/docs/tsrs/tsrdieselidling.pdf>.



Idling Restriction Sought in Michigan, Other States Take Action

Michigan. More States continue to consider enacting anti-idling laws. According to *Land Line*, a bill in the Michigan Senate is intended to reduce unnecessary idling of large trucks; however, in most instances, drivers idling their trucks while sleeping or resting would be exempt from the rule. SB1406 would prohibit diesel-powered vehicles with gross vehicle weights of more than 8,000 pounds from stationary idling for more than 10 minutes per hour in areas that include Detroit and Ann Arbor. Exemptions would include situations when vehicles are stuck in traffic, required by law enforcement to stop, or when idling is necessary “to operate defrosters, heaters, air-conditioners, or other equipment solely to prevent a safety or health emergency.” The operation of APU’s needed to load, unload, mix, or process cargo and control cargo temperature are among the activities that are not included in the restriction. The idling rule would be waived when temperatures are less than 32°F or higher than 80°F.

Illinois. Governor Rod Blagojevich signed an anti-idling bill similar to Michigan’s into law this summer. The new law prohibits stationary idling longer than 10 minutes per hour in areas that include Chicago and East St. Louis. It took effect July 1. While waiting to weigh, load, or unload cargo or freight, truckers will have their idling limited to no more than 30 minutes per hour, “unless they are in a line of vehicles that regularly and periodically moves forward.” The idling rule will be waived when temperatures are less than 32°F or higher than 80°F. Truckers will also be allowed to operate defrosters, heaters, air-conditioners, or other equipment necessary “to prevent a safety or health emergency.”

The idling prohibition will not apply when idling of trucks is required “to operate auxiliary equipment to accomplish the intended use of the vehicle.” Examples specifically cited in the bill include “loading, unloading, mixing, or processing cargo; controlling cargo temperature, construction operations; lumbering operations; oil and gas well servicing or farming operations.”

Rhode Island. Truck drivers soon will be prohibited from idling their engines for more than 5 consecutive minutes in any 60-minute period. The State Department of Environmental Management will have until July 1, 2007, to develop regulations to limit idling. Violators will face up to \$100 fines. Subsequent violations will result in up to \$500 fines. Exemptions include situations when vehicles are stuck in traffic, required by law enforcement to stop or “when it is necessary to operate defrosting, heating, or cooling equipment to ensure the health or safety of the driver or passengers or to operate auxiliary equipment; when it is necessary to bring the engine to the manufacturer’s recommended operating temperature or when the engine is undergoing maintenance or inspection.” The new law also clarifies that APU’s and vehicles delivering fuel or energy products are not included in the restriction. *Source: Land Line*, September 19, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Sep06/091906.htm#3



MANUFACTURERS' NEWS

Cummins Introduces Comfortguard™ APU System

The new ComfortGuard™ APU from Cummins is the engine manufacturer's first complete APU system for over-the-road trucks. The system combines the generator expertise of the company's Onan brand with tailored heating, ventilation, and air-conditioning (HVAC) components to power all hotel loads for comfort and convenience. The system is quiet and compact and offers a way to deal with anti-idling regulations and the high cost of diesel fuel. According to Cummins, this APU can pay for itself through reduced engine idling in about 18 months or less.

The ComfortGuard system's unique plug-and-play design reduces the cost of installation by up to one-half. Quick disconnects, pre-charged A/C lines, and compact dimensions allow system installation on most trucks in about a day. The system can be installed and serviced throughout the United States and Canada by the extensive network of Cummins distributors and authorized dealer service locations. The

ComfortGuard system reduces wear and tear on truck engines and is designed to match the engine's oil change interval of 500 hours.

Unlike similar units that have to be mounted vertically, the ComfortGuard Cab Air condenser is designed to mount in any orientation – upside-down, right-side-up or lying flat on its back, it still delivers cool and comfortable air. Overall dimensions are 21" L X 24.5" D X 28" H, making it compact enough to mount behind fairings.

The ComfortGuard APU system is powered by a two-cylinder diesel engine – the same engine as used in many Onan RV generators. Weighing 375 pounds, the ComfortGuard APU system is within the allowable gross vehicle weight variance for tractor-trailers equipped with APU equipment. More information and complete specifications are available at [ftp://ftp.cccinc.com/cummins/comfortguard](http://ftp.cccinc.com/cummins/comfortguard). Source: Shawn Wasson, Cummins

New Hybrid APU Introduced for Long-Haul Trucks

Aura Systems has announced the development of a hybrid APU system, which it calls "Gen-a-Sys." The hybrid system combines electric power generated from batteries and a small diesel engine that provides continuous power even during recharging of the batteries. The AuraGen patented Bi-Directional Power Supply allows the

seamless transition from battery power to APU-engine-generated power automatically. Unlike other systems, the APU engine is only used during low battery power levels. Source: <http://www.theautochannel.com/news/2006/09/13/021744.html> and http://driversmag.com/news/091406_apu



APU Manufacturer Moves to Bigger Location, Anticipates Triple-Digit Growth

Auxiliary Power Dynamics, manufacturers of the Willis APU, recently completed its move to a new facility in Sparks, Nevada, which is five times bigger than Willis' previous location. According to the company, sales of the APU have increased by 400 percent in the last 6-8 months for several reasons: high fuel costs, enforcement of anti-idling regulations in the United States and Canada, a more comfortable and safer environment for the driver, a positive cash flow from the first month through a leasing program, and the added trade-in value of the device.

The Willis APU claims to deliver more heating and cooling capacity up to 33,000 BTU (British thermal units). Its three-cylinder, 18-hp Kubota engine is quiet, powerful, and inexpensive to maintain. At 350 pounds, it is also one of the lowest weight APUs on the market. More information is available at <http://www.layover.com/cgi-bin/portal/printnews.pl/9689.html>

New Position Created at RigMaster to Serve Customers

RigMaster Power Corporation has announced the appointment of Scott Shaw to the newly created position of Customer Support Manager, North America. In this role, Shaw's focus will be on the adoption and expansion of the company's customer support and quality assurance initiatives. The new appointment is in response to

RigMaster's continued growth and follows closely behind its expansion into a second production facility based in Olathe, Kansas.

Scott brings to the organization over 25 years of experience in the Customer Support field. Scott assumes his new role.

Source: Amy Ergeter, RigMaster Power Corporation

SCHOOL BUSES

New York State School Buses Fleets Stop Idling at Warm-Up, Go Hybrid

High fuel prices have caused managers of some school bus fleets in New York State to look into ways to reduce their costs. According to the Albany *Times-Union*, 31 buses in the Ravenna-Coeymans-Selkirk (RCS) Central School District will benefit from having fuel-fired coolant heaters to reduce idling for early morning bus start-up. The New York State Energy Research and Development Authority (NYSERDA) has

received funding from the U.S. Department of Energy (DOE) to purchase these heaters, which can either work on a timer or be manually turned on to preheat the bus fluids each morning. Given the idling time before installation of the heaters, the RCS Central School District expects to save as much as 30 gallons of fuel a day when these heaters are in use. Another benefit is the reduction of diesel



exhaust fumes. NYSERDA expects to be able to install these heaters on a second fleet later this year.

Other school districts are looking into purchasing hybrid school buses. Shenendehowa Central School District is planning on putting a diesel-electric hybrid school bus into operation in November 2006. The hybrid bus is expected to get almost 9 mpg, a 50-percent increase over the 6 mpg of a conventional diesel-powered school bus engine. However, its \$160,000 cost is about twice the cost of a comparably

sized school bus. For more information about what's going on in New York State, please go to http://www.rcscsd.org/Archives/news_ending_week_of_9.16/Fumes_solution_9.13.htm and <http://timesunion.com/AspStories/story.asp?storyID=514114&category=REGION&BCCode=HOME&newsdate=9/5/2006>. Source: Joe Tario, NYSERDA

CARB Seeks New Funding for Old School Buses

The 2006-2007 California budget provides \$25 million to the California Air Resources Board (CARB) Lower-Emission School Bus Program to replace pre-1977 model year public school buses with new, lower emitting buses meeting the latest Federal motor vehicle safety standards. This funding could replace nearly all of the approximately 200 pre-1977 heavy-duty school buses that CARB estimates are still in use throughout California.

In addition, a Transportation and Air Quality Bond will be on the ballot for voter approval in the November 2006 statewide general election. If approved by the California voters, \$200 million from the bond would be available for new school bus purchases and retrofits for eligible

existing diesel school buses with the stipulation that the \$25 million in 2006-2007 fiscal year funding be diverted to the purchase of low-polluting construction equipment. The \$200 million would be appropriated in the 2007-2008 State budget next summer.

In preparation for replacing nearly all of the pre-1977 public school buses in California, and possibly a large number of pre-1987 school buses if the bond passes, CARB staff will be calling school districts using pre-1977 school buses to verify if these buses are still in their fleets. Please see <http://www.arb.ca.gov/msprog/schoolbus/schoolbus.htm> for more information.

CEC to Solicit Funding Applications for FY2005-2006 Program Funds

Starting the week of September 11, 2006, the staff of the California Energy Commission (CEC) began contacting the public school districts that own the 90 oldest school buses in California (in regions other than the Bay Area Air Quality Management District, the San Joaquin Valley Air Pollution Control District, and the South Coast Air Quality Management District) to solicit applications to replace these pre-1977 model year school buses. These buses are to be replaced in

order of oldest bus first with 2005-2006 fiscal year Lower-Emission School Bus Program funds. Depending on actual bus prices, the



funds will replace approximately 90 buses, possibly all 1972 and older models. School districts owning any of the 90 oldest school buses to be replaced that are located within the Bay Area Air Quality Management District, the San Joaquin Valley Air Pollution Control District, and the South Coast Air Quality Management District should

contact their local air district for more information. All other school districts owning any of the 90 oldest school buses should contact Mike Trujillo of the CEC at (916) 654-4566. For more information, please go to <http://www.arb.ca.gov/msprog/schoolbus/2006/2006.htm>.

NEWS ABOUT PORTS

Port of Long Beach to Try Out Hybrid Yard Hostlers

EPA recently presented a \$300,000 grant to the Port of Long Beach to fund the development of hybrid-powered cargo-handling equipment and testing at one of the Port's container shipping terminals. The 2-year, \$1.2 million project will research, develop, build, and test ultra-low emissions hybrid cargo-handling vehicles, known as "yard hostlers," to improve air quality. The project will test hybrid technology, which combines a clean source of power with a clean diesel engine for dramatic emissions reductions.

The Hybrid Yard Hostler Demonstration and Commercialization Project will be headed by the Port of Long Beach in partnership with the Port of Los Angeles. The testing will be at Long Beach Container Terminal's Pier F facility at the Port of Long Beach. Cargo-handling equipment manufacturer Kalmar Industries will integrate the cleaner hybrid system into the yard hostlers. CALSTART, a non-profit company that focuses on advancing cleaner technologies, is assisting in evaluation of the feasibility of the hybrid hostlers, looking at air quality impacts and fuel savings. Providing \$300,000 in funds through the EPA for this project, the West Coast Collaborative, an integral part of the National Clean Diesel Campaign, is a public private partnership working to reduce diesel emissions voluntarily up and down the West Coast.

Three of the hybrid yard hostlers will be operated and tested for 6 months at Long Beach Container Terminal. The hybrid vehicles would use either a hybrid-electric system to combine the cleanest available diesel engine technology with an electric motor, or a hybrid-hydraulic system that would combine the cleanest available diesel engine technology with components that use hydraulic fluid compression to store energy. The hybrid technology is expected to reduce or eliminate emissions during idling, which can represent more than 50 percent of the yard hostler duty cycle.

In addition to the \$300,000 award from the EPA's West Coast Collaborative, the two ports have agreed to contribute \$375,000 each in funding and services toward the project. Kalmar, Long Beach Container Terminal and the hybrid technology supplier will provide an additional \$150,000 in services. For more information, please go to <http://yosemite.epa.gov/opa/admpress.nsf/9e50770d29adb32685257018004d06fd/d41e576493233f4e852571e10068d565!OpenDocument>

Source: Lisa Fasano, EPA Region 9



POLB Approves "Green Lease" Construction Contract

The Long Beach Board of Harbor Commissioners on Monday, September 18, gave preliminary approval to a major construction contract that will begin environmentally friendly improvements under the Port's groundbreaking "green lease" terminal agreements. In May, the Board approved a 20-year lease with International Transportation Service, Inc., that calls for significant terminal improvements and equipment investments by the Port and ITS to achieve a 90 percent reduction in air pollutants at ITS' Pier G container cargo facility. The \$45.8 million construction contract, conditionally approved Monday with Manson Construction Co. of San Pedro, will kick off the Pier G upgrades. Under the contract Manson

Co. will begin building the necessary facilities to provide shore-side electricity, also known as "cold-ironing," to visiting ships. Shore-side electricity enables ships to shut down their diesel engines during their visits to the Port, for significant pollution reduction. Manson is tentatively scheduled to begin construction this fall and to complete its work by spring 2008. ITS is a subsidiary of Japan-based "K" Line, one of the world's leading shipping lines. For more information, please read

<http://www.polb.com/civica/inc/displayblobpdf2.asp?BlobID=3284>.

NEWS ABOUT RAILROADS

Update on Implementation of Railroad Agreement with CARB

In July 2005, BNSF began implementation of the terms of its voluntary agreement with CARB to contribute to efforts based on the key principles of California's goods movement efforts. In the summer of 2006, BNSF submitted a report detailing the progress it has made in meeting the requirements of the agreement. Overall, BNSF has met all of the requirements for the first year:

- Installed idle-reduction devices on more than 33 percent of its unequipped intrastate locomotives
- Developed procedures, training, and other appropriate educational programs to implement idling reduction and visible emissions reduction procedures
- Agreed to retrofit a Southern California switch engine with a diesel particulate filter before the end of the year for external evaluation

- Continued to modernize its fleet – 2,800 new cleaner-burning fuel-efficient locomotives put into service in the last 10 years
- Established procedures to process and respond to community concerns
- Held community meetings at eight rail yards statewide
- Expect to achieve 99 percent of locomotive visible emissions compliance rate
- Implementing plans to comply with CARB's low-sulfur fuel requirement, which goes into effect in January 2007

In addition, BNSF is currently developing emissions inventories for all of its California rail yards and will submit data this fall. BNSF is committed to meeting the requirements of the CARB agreement and will continue to do so. For more information, please go to <http://www.communitiesmatter.com/enewsletter/0906/>.



OTHER NEWS OF INTEREST

Ohio Releases Its Vision of Secure Energy Future

Ohio University's Consortium for Energy, Economics and the Environment presented the findings of a 6-month study at an energy summit hosted by Senator George Voinovich (R-Ohio) on September 18, 2006. The report, "Ohio: Securing America's Energy Future," has several pages dedicated to issues associated with truck stop electrification (TSE) and idling reduction.

It mentions the fact that the Ohio Department of Development Office of Energy Efficiency won a \$500,000 grant from the EPA SmartWay Transport Partnership to evaluate the emissions reduction potential of one or more TSE facilities in Ohio. The \$400,000 was made available by a grant from the United States Environmental Protection Agency and is available to one or more businesses that supply and install truck stop electrification facilities. The successful bidders will have to equip up to 50 parking spaces with stationary anti-idling technology, collect and report data on its utilization participate in a case study about the effectiveness of the project and match the grant funds with at least 50 percent of the total project costs. Construction should be completed by Fall 2007, and data collection and evaluation of the facility (conducted with full cooperation of the TSE vendor) will continue, with a case study and final report due by the spring of 2008.

The report also proposes 12 policy options for Ohio to reduce idling of heavy vehicles, some of which are listed below:

- Establish a mandatory statewide idling reduction regulation for public transit systems, school buses, and other public fleets
- Adopt a mandatory statewide idling policy for commercial diesel--fueled vehicles
- Create an incentive for adoption of idle reduction technologies by establishing a revolving loan or lease-to-own program to assist fleets (public and private) with the initial purchase of idling reduction equipment.
- Develop a program to reduce idling from switchyard locomotives
- Require the Ohio Department of Transportation to mandate that all newly constructed public rest stops/truck stops include the electrical infrastructure necessary to meet the increasing demand of long-haul transportation on Ohio's roadways and air-quality requirements.

Source:

<http://www.cleveland.com/news/plaindealer/index.ssf?/base/news/1158654616210350.xml&coll=2>,
http://www.voinovichcenter.ohiou.edu/news/energy_summit_report.html, <http://www.odod.state.oh.us/newsroom/2006pr/releases/1403.asp>, and
http://www.voinovichcenter.ohiou.edu/news/Energy_Summit_Report.pdf



Wal-Mart to Reduce Fuel Use, Wins Energy-Saving Award

According to a report in the Arkansas News-Gazette, Wal-Mart expects to save more than 10 million gallons of diesel fuel this year by using new technology on its fleet. Installing APU's and high-efficiency generators on its trucks will allow for an idle-free experience for drivers. Wal-Mart seeks to improve its fuel efficiency by 30 percent over the next 4 years and double it in the next 10 years. Source: <http://www.nwanews.com/adg/News/167891/>

Wal-Mart has also won the Alliance to Save Energy 2005 Chairman's Award for its commitment to energy efficiency. While the Alliance award called out the company's efforts in the building sector, it also commended Wal-Mart for its goals of improving energy-efficiency in its fleets. Source: <http://www.ase.org/content/news/detail/3345> and <http://www.eere.energy.gov/news/archive.cfm/pubDate=%7Bd%20%272006%2D09%2D13%27%7D>

DOE Seeks Input on Idling Reduction Education

As part of its ongoing efforts to educate truckers about the benefits of idling reduction, DOE's Argonne National Laboratory has prepared a worksheet to enable truck owners to estimate their savings and payback when using idling reduction equipment. Argonne would like potential users to try it and make any suggestions about how to make the worksheet easier to use and more meaningful to truck operators. The worksheet is valid for on-board equipment ranging from

generators and auxiliary power units to fuel-fired heaters and battery-powered air-conditioners, and is also applicable to truck stop electrification. It allows owners to compare savings from alternative devices. The worksheet can be found at <http://www.transportation.anl.gov/pdfs/TA/361.pdf>. Please send any comments about the worksheet to Dr. Linda Gaines at Argonne (lgaines@anl.gov).

STANDARD FEATURES

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at

http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.



Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your State or municipality has changed anything listed here or if it is in

error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York,

South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

Editor

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NATIONAL IDLING REDUCTION NETWORK NEWS

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SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
New York State Energy Research and Development Authority (NYSERDA)	Advanced vehicle R&D for new product development and for the siting or expansion of manufacturing facilities to produce innovative on-road vehicle components or systems in New York State	\$5 million	October 4, 2006, and February 21, 2007	http://www.nyserda.org/includes/funding_content_pop.asp?i=PON%201090
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	None	October 15, 2006	http://www.sae.org/news/awards/list/e2t/
U.S. Environmental Protection Agency (EPA) Region 3	Mid-Atlantic Diesel Collaborative	\$300,000	October 30, 2006	http://www.epa.gov/region03/grants/RFP_Diesel_Collaborative_R3APD.pdf
Federal Highway Administration (FHWA)	Pilot program for State and local governments to create more long-term parking spaces for trucks on or near the National Highway System	\$5.385 million	November 27, 2006	http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/pdf/E6-14254.pdf
EPA Region 8	Region 8 Clean School Bus USA	\$415,000 with 5-percent cost share	November 30, 2006	http://www.epa.gov/region8/air/Reg8CSBRFP2006Rev3.pdf
	Rocky Mountain Clean Diesel Collaborative	\$100,000		http://www.epa.gov/region8/air/NCDCRFP2006Rev3.pdf



UPCOMING MEETINGS AND PRESENTATIONS FROM PAST MEETINGS

Meeting	Location	Date	Website
Rocky Mountain Clean Diesel Conference	Denver, Colorado	November 1-2, 2006	http://www.cleanairfleets.org/conference.html
Tools & Incentives for Green Diesel Technology: Lower Emissions, Higher Profits	Chicago, Illinois	September 6-7, 2006	http://www.epa.gov/midwestcleandiesel/publications/index.html#il06financeprz
Diesel Engine-Efficiency and Emissions Research Conference	Detroit, Michigan	August 20-25, 2006	http://www.cemamerica.com/doeevents/DEER/presentations.html (this URL will be accessible for the next few weeks and then the presentations will be available on the U.S. Department of Energy [DOE] website, which is undergoing extensive maintenance)

REGULATORY NEWS

Cars and Trucks Can't Idle in Vancouver, British Columbia

The Vancouver, British Columbia, City Council enacted an idle-free bylaw on July 18, 2006, that applies to parked vehicles and prohibits idling for more than 3 minutes in a 60-minute period. Violators will incur a \$50 fine for idling passenger vehicles or \$100 fines for heavy trucks and unlocked, unattended vehicles. Vehicles idling in order to power equipment for a commercial purpose, such as a refrigerated truck, or public service, such as a fire truck responding to an emergency, are exempt. September 12, 2006, is when a 6-month education effort of warning tickets and informational postcards will begin, and repeat or problem offenders will face fines. Vancouver's idling complaint hotline to report frequent offenders is being widely advertised. City officials feel that most enforcement will come as a

result of citizen complaints. The City of North Vancouver has a similar idling bylaw.

The British Columbia Trucking Association complains that the bylaw is discriminatory because it applies a higher fine against truckers and does not allow for idling a truck to heat or cool the vehicle for cab comfort of the driver. For more information, please see <http://vancouver.ca/ctyclerk/NewsReleases2006/NRidlingbylaw.html> and <http://todaystrucking.com/news.cfm?intDocID=16541&CFID=1115806&CFTOKEN=91692472>



CARB Updates Diesel Web Pages

The California Air Resources Board (CARB) has revised the organization and readability of its home page on diesel programs and

activities. Please go to <http://www.arb.ca.gov/diesel/diesel.htm> to see these improvements.

MANUFACTURERS' NEWS

New Financing Option for Thermo King APU

Thermo King and GE Capital Solutions are now offering financing for owner-operators on the TriPac auxiliary power unit system. TriPac provides cost savings by reducing unnecessary idling, which in turn extends truck engine maintenance intervals and reduces wear on the truck engine, according to the APU manufacturer. TriPac now offers a 1,000-hour maintenance interval, which coincides with maintenance

on the tractor. Thermo King has created a payback calculator, which helps calculate potential savings when a TriPac is installed. For more information, please go to www.thermoking.com. Source: *Fleet Owner*, August 28, 2006, http://fleetowner.com/news/thermo_king_apu_financing_owner_operator_ge_082806/

Canadian Company Idle-Kleen Offers New Compact, Lightweight Hitchhiker APU

The **Hitchhiker** APU and HVAC system manufactured by Idle-Kleen Inc. of Cambridge, Ontario, provides independent all-electric heating and air-conditioning to reduce unnecessary engine idling. It is lightweight at 220 pounds (100 kg) and sits on the frame rails of the truck. The system runs on 115-volt AC power, which is supplied by the **Hitchhiker** unit or a shore-power connection. Models are available in 10,000 and 14,000 BTU/hr sizes, with 1.5, 2.0 or 2.5 kW of electric heating capacity run by a single-cylinder, air-cooled diesel engine.

Idle-Kleen says the **Hitchhiker** will supply ample power for all electrical needs while drawing nothing from the truck's batteries. Two duplex receptacles mounted in the cab supply 110-volt AC household power to run appliances such as computers, coffee makers, and microwaves. Continuous trickle charging of the truck's batteries helps to ensure a positive engine start while extending battery life too. The company states that fuel savings over 1 year will cover the cost of the unit. For more information, please go to <http://www.idle-kleen.com/>.



Source: Today's Trucking Online, August 2, 2006,
<http://todaystrucking.com/products.cfm?intDocID=16535&CFID=1115>

[806&CFTOKEN=91692472](#)

Modine Introduces Fuel Cell Anti-Idling Device

Modine Manufacturing Company recently unveiled a new fuel cell idle-off system that heats and cools the cabin in a heavy-duty truck. The new CO₂ air-conditioning and heating system was designed internally by Modine at its research and development facility in Racine, Wisconsin. Using a CO₂ heat pump to heat the cabin in cold weather conditions is more energy efficient than using other conventional heating products, according to the company. The fuel cell power pack

is manufactured by General Hydrogen Corporation and uses hydrogen gas as the fuel with the only byproduct being water. It was specifically designed for a truck APU and produces electrical energy continuously for more than 10 hours. The thermal management system was designed and built by Modine's fuel cell products group. For more information, please go to <http://www.modine.com>. Source: Heather McKee, U.S. Army TARDEC

Carrier Promotes Eduardo Andrade as New Head of APU Business Unit

Carrier's new business unit for APU's has a new head, Eduardo Andrade, who now has the title of Business Manager – Special Products. Mr. Andrade has been with Carrier for more than 10 years and has actively pursued an APU business for the company, a unit of United Technologies. His accomplishments culminated in this year's announcement that Carrier would be the exclusive worldwide

distributor of APUs manufactured by Teleflex Inc., under the new ComfortPro™ name. For more information, please go to <http://www.trucktrailer.carrier.com/Files/TruckTrailer/Local/US-en/trucktrailer/EduardoAndrade.pdf>. Source: Tom Cunningham, Carrier Transicold

Freightliner Introduces Prototype Hybrid Utility Truck

A Freightliner proof-of-concept prototype vehicle was put on display at the recent Great America Trucking Show as an example of how Freightliner has integrated a diesel engine, powertrain, and other vehicle functions in a medium-duty hybrid vehicle for possible use as

a utility truck. The Class 7 Business Class® M2 106 prototype is a full-parallel hybrid, similar to hybrid electric cars, with regenerative braking that recharges the batteries and electric launch functionality. It has an integrated electric motor in line with the engine and



transmission, enabling operation with electric or diesel power, either separately or in combination. The truck launches with electric power and the diesel engine provides additional torque as required.

Of special interest to utility customers, the prototype vehicle on display integrates the Hybrid Electric Vehicle (HEV) system with hydraulics for electric power takeoff (ePTO) operation. On a jobsite, the engine remains off for the majority of the operation with the hydraulics being run by batteries. When the batteries get low, the engine automatically turns on to recharge them. This takes approximately 5 minutes and, when the batteries are fully recharged, the engine automatically turns itself off. Work is not interrupted during this process. Besides the significant fuel savings, this prototype vehicle features additional advantages for utility customers. Because of the ePTO operation, utility companies will be able to perform their

duties with significantly less idle time, meaning lower levels of noise, heat, and exhaust emissions.

Pending final results of tests currently underway with this proof-of-concept vehicle, Freightliner is considering implementing the hybrid system in a variety of medium-duty trucking segments, including beverage, school bus, and pick-up and delivery applications. Freightliner is collaborating with the Hybrid Business Unit of Eaton Corporation on this effort. For more information, please go to <http://www.freightliner.com/news/press-release-detail.aspx?id=554> and http://fleetowner.com/news/freightliner_hybrid_utility_truck_m2_106_082506/.

HYBRID VEHICLE NEWS

MoDOT and UPS Test Hybrid Truck Prototypes

The Missouri Department of Transportation (MoDOT) plans to test three hybrid bucket trucks over the next 18 months at district offices in Kansas City, St. Louis, and Joplin. MoDOT received two trucks in July and is the first government agency in the country to test a diesel-hybrid truck. Hybrid diesel-electric technology in utility trucks uses electric power to raise the hydraulic arm to lift maintenance workers in the air to install signs, fix traffic signals, or replace streetlights. This allows the conventional engine to be turned off and reduces fuel consumption and smog-forming emissions. The hybrid truck is manufactured by International Truck Corporation and Eaton Corporation and is powered by a conventional diesel engine, electric motor, and lithium-ion battery pack.

Conventional bucket trucks at MoDOT consume on average 2,176 gallons of diesel per year; the hybrids are expected to improve fuel efficiency by 50 percent. Further, the agency will use a B20 blend of biodiesel (20 percent biodiesel, 80 percent petroleum) in the trucks. MoDOT officials estimate potential savings of approximately \$3,134 a year per vehicle replaced, with 106 conventional bucket trucks in the MoDOT fleet.

MoDOT's hybrid truck demonstration is part of the Utility Hybrid Truck Pilot Program spearheaded by California-based WestStart-CALSTART. Thirteen other utility companies across the Nation will participate in this demonstration program. *Source: National Clean Bus Update, August 2006,*



<http://www.eesi.org/publications/Newsletters/Clean%20Bus%20Update/August2006.htm>

[e/August2006.htm](http://www.eesi.org/publications/Newsletters/Clean%20Bus%20Update/August2006.htm)

SCHOOL BUSES

Sources of Information for Signage for School Buses and Trucks

Whether you are a school official, a concerned parent, or an interested citizen, you may want to know how to promote idle-free zones around schools. Below is a listing of signage and other materials from people who have responded to my request for these materials and some that I have found by searching on Google for “anti-idling signs.” The Canadians seem to be especially active in this area.

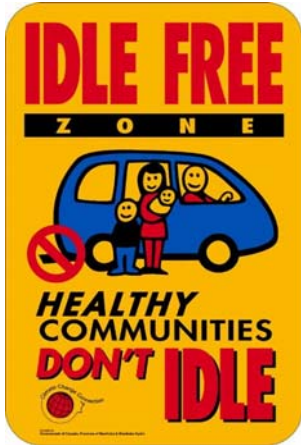
Below are examples of signs from Indiana (top left), Connecticut (top right), Manitoba (bottom left), and North Carolina (bottom right). If you know of more, please let me know, and I'll include that information in a future issue.



<http://www.in.gov/idem/programs/air/dieselwise/projects.html>



<http://dep.state.ct.us/air2/diesel/antiidle.htm>



http://www.climatechangeconnection.org/pages/subpages/idlefree_sign03.html



<http://www.co.forsyth.nc.us/EnvAffairs/triadair/idle-free-pledge-form.pdf#search+%22anti-idling%20signs%22>



Item	Website	Contact
Car magnets (restrictions on the material – please contact the agency)	http://www.airshare.info/index.cfm/1650	Debbie Avalone-King Maine Department of Environmental Protection (207) 287-7028 debbie.j.avalone-king@maine.gov
Sign (restrictions on the material – please contact the agency)	http://www.airshare.info/index.cfm/1651	Debbie Avalone-King Maine Department of Environmental Protection (207) 287-7028 debbie.j.avalone-king@maine.gov
Signs in English and Spanish	http://www.nj.gov/dep/stopthesoot/sts-no-idle-sign.htm	
Signs and promotional material (credit would be appreciated)		Glenn Krocheski-Meyer Minnesota Pollution Control Agency (651) 215-0231 glenn.meyer@state.mn.us
Fact sheets, signs		Halida Hatic EPA Region 1 (617) 918-1680 hatic.halida@epa.gov
Signs	http://www.asthmaregionalcouncil.org/about/BusToolkit.htm	
Signs	http://www.climatechangeconnection.org/pages/subpages/idl efree_sign03.html	Rachel Van Caesele (204) 943-4836 climate.connection@mts.net
Signs and other materials		Kathy Brockett New Hampshire Department of Environmental Services kbrockett@des.state.nh.us (603) 271-6284



Item	Website	Contact
Signs	http://www.in.gov/idem/programs/air/dieselwise/idling.html	Dona J. Bergman Evansville Environmental Protection Agency 812/435-6145 dbergman@evansvillegov.org
Links to resources available from many State school bus programs	http://www.epa.gov/cleanschoolbus/antiidling.htm	
Sign and resources	http://www.mass.gov/dep/air/community/schbusir.htm	
16" X 16" signs available upon request		Joseph J. Iannotti New York State Department of Environmental Conservation Division of Air Resources (518) 402-8292 jjianott@gw.dec.state.ny.us

TRUCK STOP ELECTRIFICATION

IdleAire Reports It's on Track to Build over 13,000 Parking Spots

Executives of IdleAire released the company's second quarter financial report on August 16, 2006. Despite a net loss of almost \$14 million on revenues of over \$2.5 million, the company plans to complete its nationwide plan to build over 13,000 parking spaces in 35 States. It also plans to improve its operating performance in 2007.

One focus for the company will be to increase its utilization rate, currently about 24 percent, to somewhere in the high 30-percent rate. That will most likely happen as more installations are in place and truckers use the service on a regular basis.

While IdleAire is a privately held company, it now has enough shareholders that it must file financial statements with the Security and Exchange Commission. Hundreds of investors in the Knoxville area have bought shares in IdleAire through private offerings. For more information, please read

http://www.knoxnews.com/kns/business/article/0,1406,KNS_376_4922099,00.html and http://www.idleaire.com/investor_relations/



NEWS ABOUT PORTS

Holland America Plugs in Dockside in Seattle

Two Holland America Line cruise ships, the *Oosterdam* and the *Westerdam*, have been retrofitted to use shore power (“cold ironing”) at the Port of Seattle in Washington State. The total cost to retrofit each ship is nearly \$1 million. In addition, approximately \$1.5 million has been spent dockside to establish hook-ups and install a transformer. Other than a \$25,000 grant from EPA and the Puget Sound Clean Air Agency, Holland America Line has assumed all these costs.

After docking under their own power, the *Oosterdam* and *Westerdam* are hooked up to shore power within 20-30 minutes. Power

generation is transferred back to the ship shortly before departure. The Port estimates a ship will use about the same amount of electricity per call as the Columbia Tower uses each weekday. The approximate cost for shore power each time a ship plugs in is \$5,000.

The cruise line plans to retrofit the *Noordam* for its 2007 cruises from Seattle to Alaska. For more information, please read <http://www.cruisecritic.com/news/news.cfm?ID=1759> and http://hollandamerica.com/media/newsRelease.do?fileName=/200608/18_Corporate_02.xml

NEWS ABOUT RAILROADS

New Clean Air Technology Tested at Roseville Rail Yard

Union Pacific Railroad unveiled an innovative technology to capture and treat emissions from diesel locomotives in its Roseville, California, rail yard on August 2, 2006. The system, called “Advanced Locomotive Emission Control System,” or ALECS, will apply technology used to capture emissions from industrial plants to locomotives that are near stationary in the rail yard. The ALECS includes a stationary emissions treatment unit that is connected to diesel locomotives with flexible ducts and a hood designed to fit over and attach to the exhaust stacks. Diesel-related emissions are then captured and treated rather than being released into the air. The system will be used on locomotives that are idling or undergoing

engine load tests, and will allow for some train movement so that there is minimal disruption to maintenance and testing operations.

ALECS is expected to reduce sulfur dioxide by 99 percent, particulate matter by 99 percent, nitrogen oxide by 95 percent, and water-soluble volatile organic compounds by 50 percent from captured and treated locomotive emissions. If proven effective through the demonstration project, the system could be used more extensively at the Roseville facility or similar railroad operations throughout the country.



Following this \$1.75 million demonstration project in Roseville, the system will be reconfigured as an Advanced Maritime Emissions Control System at the Port of Long Beach to demonstrate its effectiveness in capturing and treating emissions from ships loading and unloading cargo in port.

The demonstration project will take place at Union Pacific's 950-acre J.R. Davis Rail Yard in Roseville, which services more than 30,000 locomotives annually, making it the largest service and maintenance rail yard in the West. Partners in the project include the Placer County Air Pollution Control District, Advanced Cleanup

Technologies, Inc.(the developer of the ALECS), Union Pacific Railroad, EPA, Sacramento Metropolitan Air Quality Management District, South Coast Air Quality Management District, the City of Roseville, and the California Air Resources Board. More information can be found at

http://www.thepresstribune.com/articles/2006/08/05/news/top_stories/01clean.txt. Sources: Lisa Fasano, EPA Region 9, and Joe Tario, NYSERDA

OTHER NEWS OF INTEREST

DOE Seeks Input on Idling Reduction Education

As part of its ongoing efforts to educate truckers about the benefits of idling reduction, DOE's Argonne National Laboratory has prepared a worksheet to enable truck owners to estimate their savings and payback when using idling reduction equipment. Argonne would like potential users to try it and make any suggestions about how to make the worksheet easier to use and more meaningful to truck operators. The worksheet is valid for on-board equipment ranging from generators and auxiliary power units to fuel-fired heaters and battery-

powered air-conditioners, and is also applicable to truck stop electrification. It allows owners to compare savings from alternative devices.

The worksheet can be found at <http://www.transportation.anl.gov/pdfs/EE/361.pdf>. Please send any comments about the worksheet to Dr. Linda Gaines at Argonne (lgaines@anl.gov).

STANDARD FEATURES

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at

http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.



Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your State or municipality has changed anything listed here or if it is in

error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

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Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York,

South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

Editor

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NATIONAL IDLING REDUCTION NETWORK NEWS

July 2006



FUNDING OPPORTUNITIES

Blue Sky Collaborative Extends Deadline for Submissions

The closing date for the U.S. Environmental Protection Agency (EPA) Blue Sky Collaborative solicitation for the Clean School Bus USA program has been extended from Thursday, July 27, 2006, to Tuesday, September 26, 2006. For more information, please go to <http://www.epa.gov/region07/economics/pdf/epa-r7artd-06-008new.pdf>.

Pennsylvania Opens New Round of Small Business Advantage Grants

The Pennsylvania Department of Environmental Protection (DEP) has \$1 million for applicants for its next round of Small Business Advantage Grants. This program is open to small businesses whose business or facility is located in Pennsylvania. It has been extremely popular, with more than \$2 million in awards to 400 recipients since the launch of the program in July 2004. Grants are to be used to help small business owners put equipment or processes in place to enhance energy efficiency or promote pollution prevention. This year, there is \$1 million available for awards, which provide a 50-percent matching grant of up to \$7,500 for equipment or processes. In the past, Pennsylvania trucking companies and independent truckers have used the money to purchase auxiliary power units (APU's). Applications for the Small Business Advantage Grant Program will be accepted through Friday, December 15, 2006. Applications can be downloaded from the DEP website at www.depweb.state.pa.us, keyword: "SBAdvantage," or by selecting "Small Business Advantage Grant Program" from the Energy Topics dropdown list.

2007 Applications Now Being Accepted for Pennsylvania Governor's Award for Environmental Excellence

The Pennsylvania DEP is now accepting applications for its next round of funding for the Governor's Award for Environmental Excellence. The award is open to any Pennsylvania business, governmental agency, educational institution, nonprofit organization, individual, or farm that has created or participated in the development of a project that promotes environmental stewardship and economic development in the Commonwealth. Eligible projects for the 2007 Award must have been completed between August 1, 2005, and July 31, 2006. The project categories for consideration include, but are not limited to:

- Environmental Technology Innovation
- Pollution Prevention and Resource Efficiency
- Community Revitalization
- Environmental Education and Outreach



- Watershed Stewardship
- Mine Safety
- Clean Energy Innovations and Environmental Market Development.

The deadline to submit projects is Monday, October 30, 2006. To download an application, please visit DEP at www.depweb.state.pa.us, and click on "2007 Governor's Award for Environmental Excellence."

REGULATORY ACTIVITIES

OOIDA Files Comments on 400-Pound APU Weight Exemption

The Owner-Operator Independent Drivers Association (OOIDA) submitted comments in response to a proposed rulemaking that would allow a 400-pound weight exemption for idle-reduction technologies. The comments are in reference to a Notice of Proposed Rulemaking that appeared in the *Federal Register* on May 1, 2006. Under the proposed provision, a commercial vehicle's maximum gross vehicle weight limit and axle weight limit would be increased by 400 pounds, for the purpose of adding a qualified idle-reduction technology, such as an APU.

OOIDA officials support the exemption, but in their view, some of the wording in the final draft of the rulemaking needs clarification or changing. OOIDA has asked that an APU's weight be certifiable by documentation from either the manufacturer, or from the truck owner if the owner built or installed the equipment him or herself. The comments also said a driver's oral assertion, rather than demonstration or certification, should serve as proof of its ability to function fully at all times, since drivers do not stand to gain anything from carrying a broken APU. OOIDA also asked that language be included that would prevent inspectors from requiring proof of APU certification unless the vehicle is over 80,400 pounds in the first place, to prevent unnecessary ticketing or inspections.

Additionally, OOIDA officials request that APU's weighing more than 400 pounds still be allowed an exemption for up to 400 pounds of their equipment. Under the proposed rulemaking, trucks hauling heavier APU's would not be eligible for the program's benefits, the comments said. By clarifying the rulemaking's certification requirements and weight provisions, OOIDA officials said they are hoping to prevent enforcement ambiguities that could cause problems for drivers during inspections.

Even if the rulemaking is approved, that does not mean it will be in effect nationwide. According to a memo from Federal Highway Administration's (FHWA) Size and Weight Division in November 2005, the exemption is not a Federal mandate because of the way it is worded. It is each State's prerogative to decide whether to honor the additional weight limit. For more information, please see *Land Line*, July 6, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Jul06/070606.htm#2. Source: Paul Abelson, *Land Line*



Rhode Island Restricts Idling

On July 10, 2006, Governor Donald Carcieri signed H. 7756, An Act Relating to Health and Safety -- Anti-Idling Act. The new law prohibits operators of both on-road and non-road diesel engines from idling for more than 5 consecutive minutes in any 60-minute period. The measure would give the Rhode Island Department of Environmental Management until July 1, 2007, to develop regulations to limit idling. First-offenders would pay fines not more than \$100, while each subsequent violation would result in fines of not more than \$500 for each succeeding offense. Enforcement would fall to the State and local law enforcement authorities, including, but not limited to, State and local police, parking enforcement personnel, the Rhode Island Department of Environmental Management, and the Rhode Island Department of Motor Vehicles. Among the exemptions is one for APU's. While locomotives are mentioned in this law, it is unclear at this time as to whether their idling is exempted. The text of the law is at <http://www.rilin.state.ri.us/Billtext/BillText06/HouseText06/H7756Aaa.pdf>.

MANUFACTURERS' NEWS

Delphi Announces Milestone in Development of Fuel Cell APU

Delphi remains on schedule to bring a solid-oxide fuel cell (SOFC) to market by 2011, according to a recent press release. The company announced that it had met research and development milestones for peak-power performance, peak efficiency, power degradation, and factory cost for the first phase of its three-phase, 10-year joint effort with the U.S. Department of Energy's (DOE) Office of Fossil Energy. The SOFC unit must be powerful and small enough for practical applications, such as APU's for trucks, yet durable enough for years of trouble-free operation, as well as cost-effective to manufacture and for customers to buy.

The company will now begin phase 2 of the project, which will last for 3 years and continue to be cost-shared between Delphi and DOE. This contract will be worth more than \$45 million. Goals of this phase will be to lower factory cost from \$800 per kilowatt to less than \$600, to increase efficiency to 40 percent or more from the phase 1 goal of 35 percent, and to continue to increase power density. Final goals for phase 3 are to deliver a SOFC power system capable of 40 percent or greater efficiency at a factory cost of \$400 per kilowatt. For more information, please see http://delphi.com/news/pressReleases/pr_2006_06_20_001/. Source: Heather McKee, U.S. Army TARDEC

Kohler to Manufacture Truck APU's

Kohler Power Systems will be entering the APU market later this year by offering an air-cooled, 5-kW APU that can be mounted on the side rails of a truck. With dimensions of 27" x 26" x 23" and a weight of under 350 pounds, the APU is one of the smallest and lightest air-cooled generators on the market. It provides 120-volt AC and 50-Amp DC power. According to Kohler, its direct-drive alternator eliminates alternator belts, thereby increasing reliability and reducing maintenance. The oil service interval is 500 hours. For more information, please go to www.kohlerpowersystems.com/mobile.html. Source: Fleet Owner, http://fleetowner.com/news/kohler_auxiliary_power_unit_071406/



Walk-In Truck Market goes Hybrid

Regulation production of hybrid-electric chassis for walk-in trucks has begun as part of a partnership among chassis manufacturer Workhorse Custom Chassis, component integrator Productive Concept, Inc. (PCI), and Azure Dynamics Corp., a developer and producer of hybrid-electric systems. Production has just begun at the Workhorse and PCI plants in Union City, Indiana, with an initial run of 19 hybrid electric chassis. Forty more hybrid chassis are expected to be produced by the end of the year. The hybrid electric engine option represents a new power train choice for many walk-in truck customers who are faced with rising fuel and maintenance costs. For more information, please see http://www.fleet-central.com/af/t_inside.cfm?action=news_pick&storyID=24287.

SCHOOL BUSES

Arizona Scores with School Bus Idle Reduction Program

The Clean Cities Coalitions of Arizona (Valley of the Sun and Tucson Regional) have teamed with the Arizona Department of Environmental Quality (ADEQ) in implementing a successful Statewide School Bus Idle Reduction Program. To date, over one-half of the school districts in Arizona have signed on. Those participating school districts were honored at a Clean Cities sponsored legislative breakfast held on the lawn of the Arizona State Capitol entitled "Arizona's Road to Clean Air and Energy Security." Steve Owens, Director of ADEQ was one of the featured speakers at the event. Both Clean Cities and ADEQ are pitching in to repeat the program next year, with the goal of including a student poster contest as a part of the event. For more information, please contact Bill Schaeffer, Valley of the Sun Clean Cities Coalition, at bill@cleanairaz.org or Colleen Crowninshield, Tucson Regional Clean Cities Coalition, at ccrowninshield@pagnet.org. Source: Bill Schaeffer, Valley of the Sun Clean Cities

Hybrid School Buses Set to Roll Out this Fall

This school year, 11 States will be putting hybrid school buses into service. Advanced Energy, a Raleigh, North Carolina-based, nonprofit corporation, initiated a buyers' consortium of school districts, State energy offices, and student transportation providers through its Plug-In Hybrid Electric School Bus Project. The participating States are: Arkansas, California, Florida, Iowa, New York, North Carolina, Pennsylvania, South Carolina, Texas, Virginia, and Washington.

After issuing a nationwide Request for Proposals (RFP's) for hybrid school buses in June 2006, Advanced Energy made an announcement on July 25, 2005, at the 13th Annual School Transportation News Expo that IC Corporation, the Nation's largest school bus manufacturer, had won the bid and will provide up to 19 hybrid school buses to those 11 States.

Funding to support Advanced Energy's initiative has come from North Carolina's electric utilities (Duke Power, Progress Energy, Dominion North Carolina Power, and North Carolina electric cooperatives) and the North Carolina Energy Office. Advanced Energy is also welcoming additional funding at the State and private level to expand this program to more school districts and other States. More information about the program can be found at <http://www.hybridschoolbus.org>.



NEWS ABOUT PORTS

POLB and POLA Propose New Clean Air Plan

The Ports of Long Beach and Los Angeles released the San Pedro Bay Ports Clean Air Action Plan, a sweeping plan aimed at significantly reducing the health risks posed by air pollution from port-related ships, trains, trucks, terminal equipment, and harbor craft. The "San Pedro Bay Ports Clean Air Action Plan," released in draft for public review and comments on June 28, 2006, was created with the cooperation and participation of the staff of the South Coast Air Quality Management District, California Air Resources Board, and U.S. Environmental Protection Agency.

One recommendation calls for all major container cargo and cruise ship terminals at the ports to be equipped with shore-side electricity within 5-10 years so that vessels at berth can shut down their diesel-powered auxiliary engines. Another would require that within 5 years, all switching locomotives operating in the Ports will meet the toughest EPA standards for new locomotives, use cleaner fuel, and exhaust treatment and devices that will automatically shut off engines to prevent extensive idling.

The Plan is currently being finalized, based upon comments received during the public comment period. The final Plan is anticipated for adoption by each port's Board of Harbor Commissioners in late October or early November. For more information, please go to http://www.polb.com/environment/air_quality/clean_air_action_plan.asp.

PierPass a Success at its 1st Anniversary

Officials with PierPASS Inc.'s off-peak truck reduction program at the Ports of Long Beach and Los Angeles celebrated its first year of operation, saying the program has been able to divert about 2.5 million truck trips from daytime traffic. The program was launched July 23, 2005, and opened up the ports to process cargo from 6 p.m. to 3 a.m. Monday through Thursday and 8 a.m. to 6 p.m. on Saturdays. PierPASS provided economic incentives to use the off-peak gate hours, and trucks that use the ports during peak daytime traffic hours are charged traffic mitigation fees. An average of 60,000 truck trips per week are being funneled out of daytime freeway traffic patterns, reducing road congestion near the ports and helping cut into pollution caused when the trucks are forced to idle. For more information, please go to http://www.pierpass.org/press_room/releases/?id=38.

TRUCK STOP ELECTRIFICATION

IdleAire Marks 7 Million Customer Milestone

IdleAire passed 7 million hours of cumulative service to the Nation's fleets and drivers on July 10, 2006. That translates into over 74,000 metric tons of diesel emissions eliminated and 7 million gallons of fuel conserved. A company executive noted that the reason for the company's increased growth is that companies are directing their drivers to IdleAire sites as the sites are becoming more and more accessible along key freight corridors. IdleAire plans to build a total of approximately 210 new locations by the second quarter of 2007. Source: http://www.idleaire.com/newsroom/releases/07_12_2006.jsp



5-Year IdleAire Pilot Ends at 2 NY Thruway Sites

The Albany *Times-Union* reports that IdleAire installations at two New York Thruway service plazas are closing. The installation of hookups was a cooperative venture among the New York State Thruway Authority, Niagara Mohawk Power Corp., and the New York State Energy Research and Development Authority (NYSERDA), which split the \$581,000 cost with IdleAire. While all participants agreed that the 5-year pilot program was a success and it did help the environment, IdleAire officials are now concentrating their efforts at larger private truck stops where long-haul drivers spend more time and are more likely to want the service. IdleAire has not ruled out serving trucks stops elsewhere in upstate New York. For more information, please go to

<http://www.timesunion.com/AspStories/story.asp?storyID=501996&category=REION&newsdate=7/23/2006&TextPage=2>.

Source: Joe Tario, NYSERDA

OTHER NEWS OF INTEREST

EPA Unveils Hydraulic Hybrid, Begins Road Trip

In Washington, D.C., on June 21, 2006, EPA unveiled the world's first hydraulic hybrid delivery truck. Technology development partners of this demonstration vehicle include Eaton Corporation, UPS, International Truck and Engine Corporation, U.S. Army National Automotive Center, Morgan-Olson, FEV Engine Technology, and Southwest Research Institute. The UPS van then began a road trip to several cities around the United States, including Boston, Dallas, New York City, Philadelphia, and Portland, Maine.

This hybrid features a hydraulic drivetrain that replaces a conventional drivetrain and eliminates the need for a conventional transmission. By achieving 70-percent better fuel efficiency in urban driving and 40-percent lower CO₂ greenhouse gas emissions, this vehicle demonstrates the highest efficiency powertrain known. A fleet owner operating one of these high-efficiency hydraulic vehicles would save up to 1,000 gallons of fuel each year. EPA estimates that over the lifespan of the vehicle the net savings based on lowered fuel consumption and lowered brake maintenance cost to be over \$50,000. For more information, please go to <http://www.epa.gov/otaq/technology/recentdevelopments.htm>.

Oregon SIB Used to Fund SmartWay Upgrade Kits

At a June 22, 2006, EPA SmartWay press event held in Portland, Oregon, Governor Ted Kulongoski announced funding from its State Infrastructure Bank (SIB) and support for a new initiative that will reduce diesel emissions along the I-5 corridor on the West Coast. In partnership with the U.S. Department of Transportation (DOT), EPA, the U. S. Department of Energy (DOE), the West Coast Diesel Collaborative, the trucking industry, and Cascade Sierra Solutions, Oregon's Departments of Transportation and Energy have committed a total of \$5 million (\$3 million from the SIB and \$2 million from the Oregon Department of Energy). This application of SIB funds is truly unique, as SIB funds are typically expended on traditional surface transportation projects, such as highway and bridge construction. The Oregon Department of Energy is also offering a 35-percent tax credit for the Upgrade Kits.

NATIONAL IDLING REDUCTION NETWORK NEWS



Cascade Sierra Solutions, a recently established non-profit organization, will be responsible for deploying the SmartWay Upgrade Kits, which include:

- Engine idle-reduction technology, such as an APU, direct-fired heater, or truck-stop electrification
- Low rolling resistance tires
- Improved aerodynamics for tractors and trailers
- Exhaust aftertreatment devices, such as oxidation catalysts and particulate filters.

Because of the fuel savings, upfront capital costs of SmartWay kits are generally paid back within 1-3 years. In addition to the short payback period, if a loan is needed to purchase an upgrade kit, the monthly fuel savings exceed the monthly loan payments, thus increasing profits from the first day companies use the kits.

This marks the first deployment of SmartWay Upgrade Kits and innovative financing along a major transportation corridor. The DOT, EPA, and DOE intend to work together with State and local governments, non-profits, and State trucking associations in an effort to replicate this deployment strategy around the country. More information can be found at <http://www.fhwa.dot.gov/innovativefinance/index.htm>, <http://www.epa.gov/smartway>, <http://www.westcoastcollaborative.org>, and <http://www.cascadesierrasolutions.org>. Source: Diane Turchetta, FHWA

Canadian Trucking Alliance Calls for APU's in Proposed Made-in-Canada Clean Air Act

The Canadian Trucking Alliance (CTA), a federation of Canada's provincial trucking associations representing more than 4,500 trucking companies, unveiled a 14-point action plan on June 29, 2006, to drastically reduce smog and greenhouse gas (GHG) emissions in the freight transportation sector. The proposed measures, contained in a document entitled "Trucking & a Made-in-Canada Clean Air Act," would, according to CTA, have the equivalent impact in terms of air quality and GHG of removing over 200,000 heavy trucks from Canadian roads.

The plan calls not only for tax incentives but also other measures to reduce emissions and improve fuel economy. It proposes increasing the installation of APU's to reduce truck idling. Specific recommendations in this area call for (1) reinstating the Natural Resources Canada rebate program for truck idling-reduction technology and increasing the amount of the rebate from 19 percent to 50 percent and (2) encouraging an agreement whereby all provinces and territories would grant a 181-kg (400-lb) weight exemption for trucks equipped with an APU. To read the press release and the report, please go to http://www.cantruck.com/news/news/2006/ctapr_2006_06_30_110544_1.php3 and <http://www.cantruck.com/news/news/2006/pdf/CTA-CleanAirAct-GHG-Smog-TruckingPlan-Canada-Final.pdf>

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NATIONAL IDLING REDUCTION NETWORK NEWS



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The worksheet can be found at <http://www.transportation.anl.gov/pdfs/EE/361.pdf>. Please send any comments about the worksheet to Dr. Linda Gaines at Argonne (lgaines@anl.gov).

More Hybrid Transit Buses to be Put into Service

Several transit districts throughout the country have recently put hybrid-electric buses into revenue service, including Albany and Westchester County, New York; Baltimore, Maryland; and San Francisco, California. Information on costs, rationale, fuel savings, and environmental benefits can be found at <http://www.eesi.org>, <http://www.dcbusna.com>, <http://www.baesystems.com>, [http://westchester.com/Westchester News/Westchester Traffic News/Westchester Puts First 'Green' Buses In Service_200607206743.html](http://westchester.com/Westchester%20News/Westchester%20Traffic%20News/Westchester%20Puts%20First%20'Green'%20Buses%20In%20Service_200607206743.html), and http://fleetowner.com/news/topstory/senator_hilary_clinton_westchester_daimlerchrysler_orion_hybrid_bus_transit_071806/.

UPS Avoids Left Turns to Conserve Fuel, Reduce Idling

Land Line reports that UPS is using navigation and route-planning software that minimizes the number of left turns drivers are supposed to make. This reduces idling at red lights where right-turn-on-red is allowed. The company states that right turns take less time and use less fuel than left turns. While seemingly a small action individually, for a fleet the size of UPS – 88,000 vehicles – little things do add up. For more information, please see *Land Line*, July 17, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Jul06/071706.htm#5.

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NATIONAL IDLING REDUCTION NETWORK NEWS



information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

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SOLICITATIONS

New Grant Program for Idling Reduction Equipment Begins in Wisconsin

Wisconsin joins a number of States offering grants for trucking companies and owner-operators headquartered there for the purchase and installation of idling reduction equipment in 1999 or newer model-year trucks. The State has \$1 million per year starting July 1, 2006, and lasting through June 2011. There is a requirement for a 30-percent cost share, and 75 percent of the funding will go to fleets. More information can be found by contacting Tom Coogan at (608) 267-9214, thomas.coogan@wisconsin.gov, or <http://commerce.wi.gov/BD/BD-CA-Diesel-Grant-Program.html>. Source: *Land Line*, June 16, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Jun06/061606.htm#4

TCEQ's TERP Program Announces Extension of Incentive Grant Request for Applications

The Texas Emissions Reduction Plan (TERP) of the Texas Commission on Environmental Quality (TCEQ) announces that it has extended the deadline to accept applications for its Emission Reduction Incentive Grants (ERIG) Program. The new deadline is Friday, July 7, 2006. Applications that previously had been submitted for the earlier deadline need not be resubmitted.

The ERIG Program provides incentives to eligible individuals, businesses or local governments to reduce emissions from polluting vehicles and equipment. The current Request for Applications (RFA) is for projects in the Houston-Galveston-Brazoria, Dallas-Fort Worth, and Beaumont-Port Arthur nonattainment areas. To be eligible for funding, the grant-funded vehicle or equipment must operate at least 75 percent of its annual usage in the following counties: Brazoria, Chambers, Collin, Dallas, Denton, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, and Waller. Copies of the RFA, eligibility requirements, application forms, and supporting technical documents may be viewed and downloaded from <http://www.terpgrants.org>. Further information is available at (800) 919-TERP (8377).

Northeast Diesel Collaborative Extends Deadline for Funding

The Northeast Diesel Collaborative of the U.S. Environmental Protection Agency (EPA) Regions 1 and 2 has extended the deadline for its procurement seeking proposals to reduce diesel emissions in these regions. The due date to apply for \$1.48 million from the Voluntary Diesel Retrofit Program and the Clean School Bus USA has been changed from Thursday, June 29, 2006, to Thursday, July 13, 2006. For more information, please go to the solicitation at <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9357>.

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NYSERDA and NYSDOT Jointly Seek Transportation Proposals

In partnership with the New York State Department of Transportation (NYSDOT), the New York State Energy Research and Development Authority (NYSERDA) Program Opportunity Notice (PON) 1028 seeks proposals to support the development, qualification, and/or demonstration of innovative transportation products and systems. The total amount of funding available is \$1.5 million, and all, or none, of the available funding may be allocated. Among the types of projects of interest are anti-idling and retrofit technologies for freight and passenger rail system in New York State. Funding for demonstration projects will be limited to \$300,000 for each project. Qualification/validation projects would be limited to \$150,000 each, while needs assessments will be funded at \$50,000 each. Cost-sharing is required. Proposals are due on Wednesday, July 19, 2006. For more information, please go to http://www.nyserdera.org/includes/funding_content_pop.asp?i=PON%201028. Source: Joe Tario, NYSERDA

Blue Skyways Collaborative Offers \$1.14M for Clean School Buses

EPA's Regions 6 and 7 Blue Skyways Collaborative has recently released a solicitation for Clean School Bus USA. The Collaborative will be funding approximately 6-22 grants and cooperative agreements worth \$1.14 million; the maximum award will be \$200,000, and the minimum will be \$50,000. A 5-percent cost share is required. Proposals are due on Thursday, July 27, 2006. For more information, please go to <http://www.epa.gov/region07/economics/pdf/epa-r7artd-06-008.pdf>. Source: Cynthia Fanning, EPA Region 6, and <http://www.grants.gov>

CONFERENCES, MEETINGS, AND WORKSHOPS

6 School Bus Workshops to be Held in Michigan

"Clean Air Program for School Buses – Plus, " a program of the Okemos, Michigan, public schools, was designed and developed through a partnership among the EPA, the Okemos public schools, the Michigan Department of Environmental Quality, Rotary District 6360, and the Michigan Association of Community and Adult Education. Okemos public schools will work with 112 participating school districts to retrofit over 375 Michigan school buses. In addition, six educational workshops for transportation managers and staff, as well as any other interested school officials, will be held and will cover information about emission control technologies, fuels, idling reduction options, and new bus purchase information. The workshops will be held in the following locations:

- July 18 Waterford
- July 19 Okemos
- July 20 Monroe
- August 1 Kalamazoo
- August 2 Reeths-Puffer Schools (Muskegon)
- August 23 Mt. Morris

For more information about these workshops, please contact the Project Director, John Zappala, of Okemos public schools at (517) 349-2209, extension 7. Source: Jonathan Nichols, EPA Region 5



DOE to Hold 12th DEER Conference in August

The U.S. Department of Energy (DOE) Office of FreedomCAR and Vehicle Technologies will be holding its 12th Diesel Engine-Efficiency and Emissions Research (DEER) Conference in Detroit, Michigan, on August 20-24, 2006. The conference is expected to draw over 700 engineers and scientists from around the world to hear presentations on the latest research and development on diesel engines in the areas of advanced combustion, emission controls, and petroleum-based and renewable-energy fuels and lubricants. There will also be a Ride & Drive of diesel-powered light- and heavy-duty vehicles. More information is available at <http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html>.

PRESENTATIONS NOW AVAILABLE

Mid-Atlantic Clean Ports Workshop Posts Presentations

Almost every presentation from the Clean Ports Workshop sponsored by the Mid-Atlantic Diesel Consortium in Philadelphia on May 10, 2006, has now been posted on the workshop web site. They can be found at <http://www.cleanair.org/portworkshop/PresentationIndex.html>. Source: Perry Pandya, EPA Region 3

REGULATORY ACTIVITIES AND PUBLIC MEETINGS

More Explanation about EPO Act 2005 Weight Exemption for APU's

In §756 of the Energy Policy Act of 2005 (EPO Act 2005), the Federal axle and gross weight limits applicable to vehicles equipped with functioning auxiliary power units (APU's) operating on the Interstate System have been increased by up to 400 pounds. This provision amended §127(a) of Title 23, United States Code (USC), which prohibits the apportionment of National Highway System funds to any State that does not establish for vehicle operation on the Interstate System maximum gross weight limits of 20,000 pounds for one axle, 34,000 pounds for a tandem axle, and up to 80,000 pounds overall based on the application of a bridge formula. A part of the EPO Act amendment added the following language to §127(a)(12):

(A)... in order to promote reduction of fuel use and emissions because of engine idling, the maximum gross vehicle weight limit and the axle weight limit for any heavy-duty vehicle equipped with an idle reduction technology shall be increased by a quantity necessary to compensate for the additional weight of the idle reduction system.

(B). . . The weight increase under subparagraph (A) shall not be greater than 400 pounds.

As written, the current provision does not preempt State weight limits; it just allows the weight increase on the Interstates, without the States' being subjected to the highway funding sanction in §127. Therefore, the Federal Highway Administration (FHWA) lacks authority to impose funding sanctions or require that a State adopt and enforce the weight increases for vehicles equipped with APU's. Congress would need to enact new legislation to provide the necessary authority. Please note that some States have adopted the weight increases for APU-equipped vehicles. In addition, the FHWA requested comment on the enforcement component of this provision in the May 1, 2006, Federal Register (71 FR 25516), and the comment period closed on June 30, 2006. To see how this is affecting



truckers, please go to the June 6 issue of *Land Line* at http://www.landlinemag.com/todays_news/Daily/2006/Jun06/060606.htm. Source: Diane Turchetta, FHWA

Illinois Governor Signs Anti-Idling Law

Effective July 1, 2006, truckers in Illinois now have a new law restricting the amount of time they can idle in certain parts of the State. However, drivers who are idling their trucks while sleeping or resting in sleeper berths are exempt from this new regulation. The new law prohibits diesel-powered vehicles having a gross vehicle weight of more than 6,001 pounds from idling longer than 10 minutes in areas that include Chicago and East St. Louis, Illinois. There is also an exemption for waiting to weigh, load, or unload cargo or freight, as long as this time doesn't exceed 30 minutes. Fines start at \$50 for a first offense while subsequent offenses in a 12-month period could cost \$150. When temperatures are above 80°F, or less than 32°F, the idling rule will be waived.

Truckers will also be allowed to operate defrosters, heaters, air-conditioners, or other equipment necessary to prevent a safety or health emergency. The idling prohibition will not apply when idling of trucks is required to operate auxiliary equipment to accomplish the intended use of the vehicle. Examples specifically cited by the bill include loading, unloading, mixing, or processing cargo; controlling cargo temperature; construction operations; lumbering operations; oil and gas well servicing; or farming operations. For more information, please go to

<http://www.illinois.gov/PressReleases/ShowPressRelease.cfm?SubjectID=3&RecNum=4976> and http://www.landlinemag.com/todays_news/Daily/2006/Jun06/061506.htm. Source: Brian Urbaszewski, American Lung Association of Metropolitan Chicago, and *Land Line*

Idling Restrictions Advance in Rhode Island

Rhode Island is considering joining the increasing number of States that restrict the idling of diesel engines in on-road and off-road vehicles. According to *Land Line* of June 22, 2006, a Rhode Island Senate Judiciary Committee has approved a bill to prohibit idling for more than 5 consecutive minutes in any 60-minute period. The House approved the bill in May, and the full Senate approved the bill at the end of June. Once the bill is signed by the Governor, it would give the Rhode Island Department of Environmental Management until July 1, 2007, to develop regulations to limit idling. Language in the current bill would make violators pay up to \$100 in fines, and subsequent violations would result in fines of up to \$500.

Among the exemptions that would apply are for situations when vehicles are stuck in traffic, required by law enforcement to stop, or "when it is necessary to operate defrosting, heating, or cooling equipment to ensure the health or safety of the driver or passengers or to operate auxiliary equipment; when it is necessary to bring the engine to the manufacturer's recommended operating temperature; or when the engine is undergoing maintenance or inspection." The bill, H7756, also clarifies that APU's and vehicles delivering fuel or energy products are not included in the restriction. For more information, please go to <http://www.rilin.state.ri.us/Billtext/BillText06/HouseText06/H7756Aaa.pdf>. Source: Linda Gaines, Argonne National Laboratory



Washington State Tax Credit for Shore Power and Retrofits Goes into Effect

Tax incentives for truck stop owners and truckers in Washington State became effective on June 7, 2006, for truck stop electrification and on-board retrofits that allow the truck to plug in to grid-supplied electricity. There is still an unresolved question about the eligibility of an APU that has shore power capabilities as an optional component. APU's are not included in the tax break, but staff at the Washington State Departments of Revenue and Ecology thinks that a shore power option might be interpreted as at least partly eligible for the tax break. There is also a question about whether the entire cost of the APU is eligible for the tax break or just the cost of the shore-power component. The agencies are in the process of clarifying this issue. Further information about how these incentives work is available at http://dor.wa.gov/Docs/Pubs/SpecialNotices/2006/sn_06_Trucks.pdf. Source: Frank Van Haren, Washington State Department of Ecology

POLA and POLB to Hold Public Hearing on Clean Air Action Plan

After a 30-day public comment period, commissioners of the Port of Los Angeles (POLA) and the Port of Long Beach (POLB) will be voting on whether to adopt the San Pedro Bay Ports Clean Air Action Plan, a program aimed at significantly reducing air pollution from port-related ships, trains, trucks, terminal equipment, and harbor craft. The plan was created with the cooperation and participation of the staff of the South Coast Air Quality Management District (SCAQMD), CARB, and EPA.

Public hearings on this plan will start on July 12, 2006, and end on July 25. Public comments will be accepted through Friday, July 28, 2006.

Among the actions in the plan are for State and local agencies to finance new or retrofitted vehicles. The ports and SCAQMD have proposed allocating more than \$200 million for removing old polluting trucks from the port and replacing them with newer, clean diesel engines. The plan also calls for installing shore-side power for major container cargo and cruise ship terminals within 5-10 years. More information is available at <http://www.polb.com/news/displaynews.asp?NewsID=68>. Source: Bill Jones, EPA Region 9

CARB Plans Semi-Annual Meeting on Statewide Rail Yard Agreement

The California Air Resources Board (CARB) will be holding its second public meeting this year to discuss potential future emission control measures to reduce railroad emissions. The meeting will be in Sacramento on Thursday, July 13, 2006, and will be web cast. More information is available at <http://www.arb.ca.gov/railyard/ryagreement/713lrts.pdf>. Please contact Harold Holmes, CARB, at (916) 324-8029 or hholmes@arb.ca.gov if you have any questions.

CARB Asks for Public Comments on Revised Anti-Idling Regulation

The regulatory process in California to develop an anti-idling regulation continues with a 15-day window to comment on CARB's proposed modification to its original proposed regulation that came out in October 2005. The regulation is applicable to model year 2008 and newer vehicles. The comment period closes on Thursday, July 13, 2006. The proposed changes, discussion of issues, and further information are available at <http://www.arb.ca.gov/regact/hdvidle/hdvidle.htm>.



FHWA Seeks Comments on Information Gathering for Non-Traditional Truck Parking Spots

The June 26, 2006, issue of the *Federal Register* contains a notice from the FHWA asking for comments on a requirement of §1305 of SAFETEA-LU (the Safe, Accountable, Flexible, Efficient Transportation Equity Act of 2005 – a Legacy for Users). FHWA is required to establish a pilot program to address the shortages of parking shortages along the National Highway System. To administer this program for fiscal years 2006 through 2009, the FHWA will collect information necessary to evaluate and rank projects. The information collection is intended only to address the project funding allotted through the program.

In FY 2006, there is \$5.385 million available for grants under §1305, after obligation limitations. Projects funded under this section shall be treated as projects on a Federal-Aid System under Chapter 1 of Title 23 USC. Grants may be funded at an 80-100 percent funding level based on the criteria specified in § 120 of Title 23 USC. As soon as practicable, a Federal Register notice will be published with information and guidance relating to the application process. The comment period ends on Friday, August 25, 2006. Please go to <http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/06-5663.htm> for the complete text of the notice. *Source:* Kelly Sheckler, EPA Region 3

PUBLICATIONS

ABA Releases Study on Motor Coach Idling

The American Bus Association (ABA) has recently published its findings on a test program to evaluate the potential effects of idling restrictions on coach buses, particularly when they are forced to circulate in urban traffic for passenger comfort. Tests were conducted by M. J. Bradley and Associates, Inc., for the FHWA, EPA, DOE, and the ABA at the U.S. Army Aberdeen Proving Ground using EPA's Real-time On-road Vehicle Emissions Reporter (ROVER), a portable emissions monitoring system. The six coaches were run under various conditions: with and without air-conditioning, idling, and driving in urban traffic. For all buses, fuel use at least doubled in simulated urban driving compared to stationary idling, by a gallon or more per hour for all buses. Likewise, for all buses, NO_x emissions increased significantly in simulated urban driving compared to stationary idling. Copies of the report are available at http://www.busesoverdrive.org/files/motorcoach_idling_study.pdf. *Source:* Linda Bauer Darr, ABA

TRUCK STOP ELECTRIFICATION

Plug-In Truck Stop Electrification Benefits from Alliance of Organic Bouquet and the Climate Trust

Organic Bouquet has joined with the Climate Trust to participate in the Climate Trust's Truck Stop Electrification Program, which reduces diesel emissions at truck stops. The program will retrofit 275 Shurepower pedestals at 7 major truck stops along the I-5 corridor. Organic Bouquet is this country's first organic floral company and will be using this effort to integrate environmental sustainability at every level of its operation. The Climate Trust is a

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leading provider of carbon offset programs, and Organic Bouquet will be purchasing carbon offsets to mitigate greenhouse gases generated from shipping its flowers.

The Climate Trust estimates this program will remove nearly 90,000 metric tons of CO₂ over the next 16 years, the equivalent of taking 16,000 cars off the road or planting 180,000 trees. By offering a cleaner and cheaper alternative to diesel idling, the project will also save truckers an estimated 10 million gallons of fuel. *Source:* PR Newswire, <http://www.newscom.com/cgi-bin/prnh/20050404/SFORGBOUQLOGO>

Reservations Now Available for IdleAire Parking Spots at Truck Stops

IdleAire has begun to take reservations from truckers for a limited number of reserved spots at six TravelCenters of America and Petro Stopping Centers. Roughly 10 percent of

IdleAire spaces at these locations will be set aside to test the system before implementing it on a larger scale later this year. The company now has 1,830 equipped spaces in 30 locations, with plans to open five new sites per week beginning in July. For more information, please see http://www.idleaire.com/newsroom/releases/06_15_2006.jsp and <http://www.etrucker.com/apps/news/article.asp?id=53911>. *Source:* Joe Tario, NYSERDA

NEWS ABOUT PORTS

Smokestack Bonnets Next Step in Controlling Ship Emissions

Based on its experience with cleaning up emissions from locomotives at rail yards, Advanced Cleanup Technologies, Inc. (ACTI) has developed a similar "bonnet" that fits over the smokestacks of docked ships to capture and clean the exhaust. Once the current testing period is over at a Union Pacific rail yard, CARB, EPA, and SCAQMD will be paying for the testing of the bonnets at POLB in November. These tests are estimated to cost several hundred thousand dollars. The bonnets will capture emissions from the docked ships, which will be idling to produce operational power while cargo is being unloaded and loaded. It's being viewed as a cheaper alternative to cold ironing, especially for smaller shipping companies. If the tests prove successful, the ACTI plans to market the device at about \$4.5 million. More information is available at <http://www.polb.com/civica/filebank/blobdload.asp?blobid=2921> and http://www.presstelegram.com/business/ci_3926594 (no longer available on-line). *Source:* Joe Tario, NYSERDA

MANUFACTURERS' NEWS

RigMaster APU to Run on ULSD

RigMaster Power Corp. announces that all current models of its RigMaster APU are capable of operating on the ultra low sulfur diesel (ULSD), which recently entered the market. All current RigMaster models built with either Perkins 402.05 Series engine or the Caterpillar C0.5 engine are capable of running on ULSD, which contains fewer than 15 parts per million of sulfur. The company states that its APU's currently installed on current or older trucks can be easily removed and installed on new trucks that operate on ULSD without any problems. The RigMaster® Power APU is a fully independent system that provides heat,

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A/C, battery charging, and 120V power for the driver and burns 80 percent less fuel than an idling truck. For more information, please contact Amy Egerter, RigMaster Power Corp., at (416) 201-0040 or aegerter@rigmasterpower.com.

Webasto Announces BlueCool Truck Tour

The BlueCool Truck idling reduction technology from Webasto is going on tour around the United States. The system is installed on tractor-trailers to keep the interior bunk temperature near 70°F for up to 10 hours, which negates the need to idle for cab comfort. Unlike APU's, the BlueCool Truck does not use the vehicle's fuel. Webasto is taking the BlueCool Truck technology on a cross-country tour this summer to demonstrate the system's potential to meet the demands of both emissions reduction and idling reduction. The system uses a thermal energy cold-storage unit and minimal 12-V power to run fans and circulate coolant. No diesel fuel is used during the cooling operation because it is independent of the air-conditioning system, and there are no emissions as a result. For more information, please check out the company's web site at <http://www.webasto.us>, or call (800) 215-7010. *Source:* Joe Tario, NYSEDA

OTHER NEWS OF INTEREST

Knoxville Implements Idling Reduction

In October 2005, the Knoxville area joined a number of areas that have elected to reduce idling of their municipally owned vehicles. Knox County employees have been prohibited from leaving a vehicle's engine running while parked for more than 3 minutes, except for vehicles being serviced, engaged in the delivery or acceptance of goods, or where engine power is necessary for an associated work function. For more information contact Lynne Liddington at (865) 215-5914 or LaMonté Bishop at (865) 215-4428. *Source:* http://www.knoxcounty.org/current/idle_reduction_policy.php

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf> and <http://www.epa.gov/smartway/documents/420b06004.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further

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information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

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SOLICITATIONS

New Closing Date for Clean Cities Proposals for Idling Reduction Training and Awareness for School Districts

The U.S. Department of Energy's (DOE) Clean Cities Program has extended the closing date for acceptance of proposals for projects that eliminate or reduce idling in school buses through the development and implementation of comprehensive driver education and awareness materials to reduce or eliminate idling. The new due date is Tuesday, June 13, 2006. Unlike previous years, all applications for grants and cooperative agreements responding to this request for proposals (RFP) need to be sent to <http://www.grants.gov>. DOE expects to make 1-3 awards ranging from no less than \$50,000 to no more than \$150,000, and cost sharing is not required. The complete RFP is available at <http://www.grants.gov/search/search.do?oppld=9114&mode=VIEW>. For more information, please contact Jodi Collins at jodi.collins@netl.doe.gov.

Reminder about MCDI Clean Diesel and Clean School Bus Requests for Proposals (RFP)

The U.S. Environmental Protection Agency (EPA) Midwest Clean Diesel Initiative (MCDI) has two requests for proposals (RFP's) that are closing on Friday, June 16, 2006. The first is for Clean Diesel projects, and the second is for Clean School Bus projects. More information about the RFP's can be found at <http://www.epa.gov/midwestcleandiesel/grants/csb-06-rfp.pdf>. Source: Jonathan Nichols, EPA Region 5

NEDC to Offer Almost \$1.5 Million in Grants to Reduce Emissions

The Northeast Diesel Collaborative (NEDC) of the U.S. Environmental Protection Agency (EPA) Regions 1 and 2 has released a joint solicitation for projects to reduce diesel emissions in these regions. Funding of \$1.48 million from the Voluntary Diesel Retrofit Program and the Clean School Bus USA will be awarded in the form of a total of 6-12 cooperative agreements or grants to State and local governments, federally recognized Indian Tribes, environmental organizations, colleges and universities, hospitals, and other non-profits interested in establishing innovative projects to reduce diesel emissions in their communities. There is no cost sharing required for the Voluntary Diesel Retrofit Program, but cost sharing of 5 percent is required for projects funded by Clean School Bus USA. Projects can involve cleaner fuels, idle reduction, and retrofit technology for a range of diesel engines, including school buses, marine engines and ports, construction equipment, and locomotive or rail operations. Proposals are due Thursday, June 29, 2006. For more information, please go to <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9357>, or contact Lucy Edmondson, EPA Region 1 (edmondson.lucy@epa.gov, 617-918-1004) or Faye Blondin, EPA Region 2 (blondin.faye@epa.gov, 212-637-3713). Source: Patricia Komen, EPA Ann Arbor



SEDC Seeks Idling Reduction Solutions

The EPA Southeast Diesel Collaborative (SEDC) has announced a \$100,000 RFP to fund projects within the southeastern United States to demonstrate effective diesel emission control technologies, strategies, methods, or approaches to reducing emissions. Projects may include, but are not limited to, a variety of emission-reduction solutions, such as add-on technology, engine replacement or rebuilds, and idling reduction technologies or strategies. SEDC plans to make 2-3 grants of between \$25,000 and \$75,000. Projects should address diesel emissions in the construction, agriculture, on-road, or public fleet sectors. Proposals are due Friday, July 7, 2006. For more information, please go to <http://www.epa.gov/region4/air/mobile/sedc-rfpfinal52306.pdf>.

Two Pennsylvania Programs Offer \$10 Million for Clean Energy Projects

Each of two programs of the Pennsylvania Department of Environmental Protection has a total of \$5 million to put toward investments in clean energy. The Energy Harvest Grant Program is accepting applications for innovative energy deployment projects in the areas of renewable energy deployment, waste coal reclamation for energy, deployment of innovative energy-efficiency technologies, and distributed electricity generation projects. Applications for the Pennsylvania Energy Development Authority awards may include solar energy; wind; low-impact hydropower; geothermal; biologically derived methane gas, including landfill gas; biomass; fuel cells; coal-mine methane; waste coal; integrated gasification combined cycle; demand management measures, including recycled energy and energy recovery, energy efficiency and load management; and clean, alternative fuels for transportation. Both programs have made awards in the area of idling reduction in past solicitations. Applications for both programs are due Friday, July 14, 2006. For more information, please visit www.depweb.state.pa.us, and type the keywords "PEDA" and "Energy Harvest" in the DEP Keywords block in the upper left-hand corner of the site. Source: <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=3939>.

FUNDING AWARDS

TERP Grants Promote Air Quality in Texas

Shurepower and IdleAire received more than \$5 million in grants to install idle reduction equipment in the Dallas-Fort Worth, Texas, area. Administered by the North Central Texas Council of Governments (NCTCOG), the grants are part of the Texas Emissions Reduction Plan (TERP), a comprehensive set of incentive programs aimed at improving air quality. Shurepower received almost \$155,000 to install and operate at least 25 idle-reduction pedestals, while IdleAire received more than \$5.4 million to install and operate up to 600 advanced electrification units. The companies are required to match the funding by 50 percent and place their units at truck stops within the Dallas-Fort Worth nonattainment counties of Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant. For more information, please see http://www.eere.energy.gov/cleancities/ccn/progs/story.cgi/WHATS_NEW/570/0/A. Source: *Clean Cities Now*, May 2006



Transport Canada Freight Sustainability Demo Program Funds Idle-Time Project

Sunbury Transport Ltd.'s Fuel Efficiency Online Tool was one of the cost-shared projects selected for 2 years of funding from Transport Canada under its Freight Sustainability Demonstration Program. Sunbury will receive Can\$97,000 from the Canadian Government to assist its on-road fleet with managing fuel consumption. Through a satellite tracking system, Sunbury gathers data from the engine computer on each satellite-equipped truck. The information captured includes data on miles per gallon, idling time, and inter-trip idling, among others. The information is sent each week to a secure website where drivers can access personal performance data and compare that to the divisional averages and the top 25 percent of each fleet. The program aims to monitor fuel consumption, reduce greenhouse gas emissions, and increase profitability by reducing fuel costs. For more information, please go to <http://www.tc.gc.ca/mediaroom/releases/nat/2006/06-h027e.htm>. Source: Joe Tario, New York State Research and Development Authority (NYSERDA)

ATRI Selects Teams to Evaluate Mobile Idling Reduction Technologies

The American Transportation Research Institute (ATRI) announced the selection of three project teams to demonstrate and evaluate mobile idling reduction technologies on heavy-duty trucks. The use of these technologies should allow truck drivers to rest in comfort while the truck's engine is shut off. The demonstration is being funded as part of a grant program administered by the EPA SmartWay Transport Partnership to help promote technologies that save fuel while also reducing pollution. The year-long data collection effort will document engine idle times with and without the use of the selected idle reduction technologies. The selected project teams will be led by the following trucking companies:

- Diversified Transfer and Storage will evaluate an auxiliary power unit (APU) manufactured by RigMaster Power Corporation
- National Freight will evaluate an APU manufactured by Teleflex Energy Systems
- Schneider National will evaluate two separate air-conditioning systems, a Bergstrom 12-volt system and a Webasto thermal storage system operated in conjunction with a Webasto cab heater.

The successful demonstration and evaluation of these idle reduction technologies is expected to provide truck owners with a better understanding of the costs and benefits associated with the use of these technologies. For more information, please see http://www.atri-online.org/news/ATRI_Selects_Teams.htm. Source: Linda Gaines, Argonne National Laboratory

CONFERENCES, MEETINGS, AND WORKSHOPS

Chicago Area Clean Cities to Sponsor Idling Reduction Picnic

On Thursday, June 15, 2006, the Chicago Area Clean Cities will hold a picnic lunch meeting sponsored by AUTOTHERM and the Forest Preserve District of DuPage County to examine simple and effective ways to reduce idling of fleets. The event will be held outdoors, weather permitting, in Lombard, Illinois. For further information, please call Matt Stewart at (630) 792-2110 or, go to <http://www.chicagocleancities.org/education.shtml>.



Efficient Diesel Workshop in Portland, Oregon, to Feature SmartWay Press Conference

Along with the Oregon Department of Energy and Cascade Sierra Solutions, the Columbia-Williamette Clean Cities Coalition will hold a 1-day workshop at the Portland International Airport Embassy Suites Hotel on Thursday, June 22, 2006, to showcase fuel-saving, emissions-reducing technologies included in EPA SmartWay Upgrade Kits. During lunch, a press conference will be held to announce the first deployment of the SmartWay Upgrade Kits along the I-5 Corridor and to launch the formation of Cascade Sierra Solutions. Speakers at the event may include EPA Administrator Stephen Johnson, Oregon Governor Ted Kulongoski, Oregon Trucking Association President Bob Russell, and Washington Trucking Association Vice President Jim Tutton. For more information about the workshop, please visit <http://www.cwcleancities.org>, or contact Annie Kee, EPA Headquarters, at (202) 343-9218 or kee.annie@epa.gov for more information about the press conference. *Source:* Kristin Sipes, EPA Region 9

TRB to Hold Concurrent Conferences on Ports, Freight, and Committee Meetings

The Transportation Research Board (TRB) will hold joint conferences in La Jolla, California, on July 9-11, 2006, dealing with ports, freight, and international trade concurrently with TRB committee meetings on finance, freight, and management. One session will be devoted to solving environmental health and community impacts of goods movement and ports operation. More information is available at <http://www.trb.org/conferences/jointsummer/2006/>. *Source:* Diane Turchetta, Federal Highway Administration (FHWA)

REGULATORY NEWS

FHWA Seeks Comments on APU Weight Exemption

On May 1, 2006, the FHWA published a notice in the *Federal Register* asking for comments from the public about a requirement in the Energy Policy Act of 2005 or EAct 2005 (P.L. 109-58, 119 Stat. 544) that allows for a 400-pound weight exemption for APU's on heavy-duty trucks. The FHWA is proposing regulations to implement the standards for certification and weight tolerances of this new statutory provision and is seeking comments on how the certification and demonstration required by this provision might best be carried out by State enforcement authorities or other sources. Comments are due on or before Friday, June 30, to the Dockets Management Facility of the U.S. Department of Transportation (DOT) in Washington, D.C. Addresses and contact information are listed in the *Federal Register* notice. For more information, please see <http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/pdf/E6-6422.pdf> *Source:* Diane Turchetta, FHWA

FHWA Says APU Weight Exemption Not Mandatory

Although the EAct 2005 allows for a 400-pound weight exemption for APU's, the FHWA has currently taken the position that the exemption is not a mandate, and each State can decide if it will honor the provision. According to the May 19, 2006, issue of *Land Line* magazine, there has been a handful of reports from truckers around the country saying that



enforcement officials are not acknowledging the increased weight limit. On the other hand, Oregon has gone public with its support, even before the legislature has considered passing a law allowing it. For more information, please go to http://www.landlinemag.com/todays_news/Daily/2006/May06/051906.htm#2.

CONGRESSIONAL UPDATE

New Bills in Congress Would Give Tax Incentives for APU's

Two new bills in the U.S. House of Representatives and Senate could give tax credits to truckers who purchase anti-idling technology, such as APU's. Senator Jeff Bingaman (D-NM) introduced S. 2748, the Enhanced Energy Security Act of 2006, which includes a provision in §206 to amend the Internal Revenue Code of 1986 to allow for a tax credit of up to \$1,000 for the purchase on an idling reduction device. The device must be installed on a heavy-duty, diesel powered, on-highway vehicle and must provide heat, air-conditioning, or electricity while the main engine is turned off. If enacted into law, this tax credit would apply to equipment put into service between December 31, 2006, and December 31, 2010.

A companion bill in the House, H.R. 4409, is sponsored by Rep. Jack Kingston (R-GA), and contains language similar to the Idling Reduction Tax Act of 2006, a bill sponsored by U.S. Rep. Kay Granger (R-TX), which has been referred to the House Ways and Means Committee. Kingston's bill would allow for a 50-percent tax credit on purchases up to \$3,500. For more information please see <http://www.govtrack.us/data/us/bills.text/109/s2748.pdf> and http://www.landlinemag.com/todays_news/Daily/2006/May06/051206.htm. *Source:* Susan McDowell, EPA Region 3

PRESENTATIONS NOW AVAILABLE

More Presentations Now Available from CMANC Conference

Presentations from more speakers at the Alternative Maritime Power (AMP) Conference sponsored by the California Marine Affairs and Navigation Conference (CMANC) in April are now posted at <http://www.cmanc.com/web/Presentations.htm>. Due to many requests for more in-depth technical information and updates, CMANC will be holding an AMP 2007 Conference in Oakland. High interest in this subject was shown by the fact that 150 from 8 countries attended this year's conference. *Source:* Jim Haussener, CMANC

Knight Transportation Results Shown at Clean Cities Conference

The recently concluded Clean Cities Congress and Expo 2006 had a session on idling reduction, and the one presentation from that session that is posted on the conference web site is from Knight Transportation. According to the information in the presentation, the company has saved over \$3 million per year in fuel costs since installing idling reduction equipment. Please go to http://www.afvi.org/PhoenixCongress2006/presentations/may09/1030-1200_Prescott_6_Smartway_Forward/Clean_Cities.ppt for further information.

More than 150 Attend MCDI Event

EPA Region 5's Midwest Clean Diesel Initiative (MCDI) considered its 1-day "Tools for

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Cleaning Up Illinois Diesel: Technology, Funding, and Collaboration" conference on May 2, 2006, to be a success after more than 150 people showed up to learn about technologies and funding opportunities to assist fleets in reducing diesel emissions. Presentations from the event are now available on the MCDI web site at <http://www.epa.gov/midwestcleandiesel>.

Source: Jonathan Nichols, EPA Region 5

TRUCK STOP ELECTRIFICATION

The Climate Trust Claims GHG Offset Due to Oregon TSE

The Climate Trust and 3C have announced the first sale from the United States to Europe of voluntary emission reductions of greenhouse gases (GHG), also known as GHG offsets. The GHG offsets purchased by 3C come from U.S.-based Shurepower truck stop electrification projects that The Climate Trust acquired via a competitive selection process.

The Climate Trust and 3C made the announcement at the 4th Annual CarbonExpo in Cologne, Germany, where over 1,500 people from 87 countries and 134 companies gathered. The Climate Trust will manage the offset delivery contracts and secure third-party verification services on behalf of 3C, which will manage ownership transfer and registration of the GHG offsets on behalf of its European clients. Tradable offsets are an important component of strategies and policies to reduce GHG emissions on behalf of the global climate. For more information, please go to http://www.ewire.com/display.cfm/Wire_ID3082 and insert "3C" in the search box and also http://www.climatetrust.org/offset_truckstop.php. Source: Joe Tario, NYSDA

NEWS ABOUT PORTS

POLB to Phase in Cold Ironing at SSA Terminals

Under the agreement approved Monday, May 22, 2006, by the Long Beach Board of Harbor Commissioners, the container terminal ITS will phase in the use of shore-side electricity ("cold-ironing") and other environmentally friendly technologies that will significantly reduce emissions of nitrogen oxide (NOx) and diesel-related particulate matter from ships at berth and from cargo-handling equipment inside the 246-acre Pier G/J terminal.

Earlier in May the Board approved Long Beach's first "Green Port" agreement, an amendment to a lease with SSA Terminals, a joint venture of Matson Navigation Inc. and SSA Marine. The SSAT accord will cut pollution by 90 percent at the 68-acre Pier C container terminal. The Port of Long Beach includes seven container terminals. ITS is one of the Port's oldest customers, opening its original 48-acre Long Beach container terminal in 1972. The ITS lease was to expire this summer. The company is a subsidiary of Japan-based "K" Line, one of the world's leading shipping lines.

Through this new 20-year lease, ITS agrees to accelerate the replacement of its terminal cargo-handling fleet with cleaner-burning tractors and other equipment several years before the new technology will be required by law. The Port will build dockside electrical infrastructure for cold-ironing to improve air quality while "K" Line makes significant investments to upgrade ships to accommodate shore-side electricity. ITS will phase in the use of cold-ironing as the electrical infrastructure is built by the Port. Ultimately, 100 percent of the ships calling at ITS will use cold-ironing or comparable technology.

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The Harbor Commission also approved a \$7.3 million contract with Manson Construction Co. of San Pedro for the waterside electrical infrastructure at the Berth T121 oil terminal leased to BP. The work is scheduled for completion in spring 2007. A second contract will be awarded this fall for onshore electrical facilities, with completion expected in summer 2007. For more information, please go to <http://www.polb.com/civica/press/display.asp?layout=1&Entry=18> and <http://www.polb.com/news/displaynews.asp?NewsID=62>.

More Cruise Ships in Seattle to Plug in

According to *The Olympian* of May 4, 2006, the Port of Seattle expects more cruise ships to plug into its two electric berths for shore power instead of idling their diesel engines while the ships are in port. Princess Cruises plugged in its *Diamond Princess* and *Sapphire Princess* last year, and Holland America is planning to do the same with two of its three Seattle-based ships this season. It costs about \$1 million to equip a ship with the necessary electrical equipment on-board plus \$1.8 million to install the hardware shore side. Each company is paying most of the costs. Starting next year, the Port will require that ships not plugging into the grid must use low-sulfur fuel to reduce emissions. *Source:* Joe Tario, NYSERDA

MANUFACTURERS NEWS

ACC Climate Control Introduces New APU

At the Mid-America Trucking Show and other locales, ACC Climate Control introduced to the market its second generation TropiCool heating and air-conditioning system. The manufacturer claims longer term savings in both fuel consumption costs and truck engine maintenance costs. The dual-voltage 12V DC/110V AC TropiCool Power Plus is also a secondary loop, hermetic system that does not require refrigerant certification to install. The system includes TropiCool complete heating, ventilation, and air-conditioning (HVAC) system as well as a Group 31 AGM battery package, new style 2,500 W inverter/charger, 270 A alternator and power management system along with a digital thermostat and PC relay board. The system is fully compatible with ACC Comfort HD air-to-air or coolant-to-air, fuel-fired heaters that also operate from the same control. For more information, please see <http://www.accclimatecontrol.com>. *Source:* Alex Moulthanovsky, ACC Climate Control

OTHER NEWS OF INTEREST

Manufacturers Split on Future of Fuel Cell APU's

According to the May 30, 2006, issue of *Transport Topics*, the future of fuel cell APU's is uncertain. U.S. truck maker Freightliner LLC, after working on two development projects for more than 4 years, has decided that hydrogen fuel cell technology is not yet ready for a role in reducing idling in the trucking industry.

On the other hand, AB Volvo, parent of Volvo Trucks North America, continues to pursue an APU driven by a compact fuel cell. The Swedish automotive firm said this APU is based on recently patented technology that creates hydrogen gas from the truck's diesel fuel. The *Transport Topics* link is <http://www.ttnews.com/members/topNews/0015458.html>. More information is



available in the May/June issue of Equipment & Maintenance Update, a supplement to the May 15 print edition of *Transport Topics*, and available only by subscription.

CTA Urges Increase in Weight Allowances

New technology options for saving energy and reducing emissions has caused the Canadian Trucking Alliance (CTA) to urge the National Task Force on Vehicle Weights and Dimensions, which reports to the Council of Deputy Ministers Responsible for Highways and Transportation Safety to address this issue on a priority basis. The CTA and the provincial associations contend that current truck weight laws are a deterrent to investment in idling reduction devices, wide-base single tires, and new smog-free truck engines by penalizing the payloads of vehicles equipped with these new, fuel-efficient/environment-enhancing technologies. The CTA wants a 400-lb GVW tolerance for APU's because the weight of these units can reduce a truck's payload by as much as 500 lbs. The U.S. EPA's 2005, which was signed into law in August 2005, includes a 400-pound vehicle weight exemption for trucking companies operating such devices. For further information, please go to

http://www.cantruck.com/news/news/2006/ctapr_2006_05_11_094842_rt.php3. Source: Joe Tario,

CTA Wants NRCan to Restore CTEER Anti-Idling Rebate Program

A Canadian Government program that gave financial incentives for the purchase of idling reduction technology has expired, so the CTA is asking the Natural Resources of Canada (NRCan) to reinstate its Commercial Transportation Energy Efficiency Rebate (CTEER) program. That program was in place from August 2003 to March 31, 2006. Recently, the new Conservative government announced that it was suspending funding of all climate change programs pending the development of a new made-in-Canada approach to reducing GHG's.

CTEER, which was administered by NRCan's FleetSmart in cooperation with equipment suppliers, attempted to reduce unnecessary truck idling by offering rebates of up to 20 percent (between Can\$350 and \$1,400) on pre-approved cab heaters, air-conditioners, or APU's. During the life of the program, the Canadian Government invested \$5.8 million in rebates, and the trucking industry invested \$30 million. Over 13,000 auxiliary heating/cooling systems were introduced into the heavy truck market, and on average 2,200 idling hours were eliminated from trucks equipped with these devices. More information is available at <http://www.todaystrucking.com/news.cfm?intDocID=16199>. Source: John Dennehy, Espar

Diesel Hybrid Bucket Truck Now in Service

TXU Electric Delivery, the electric utility in the Dallas-Fort Worth, Texas, area, is now using its first hybrid diesel-electric bucket truck for maintenance and repair of overhead electric lines in selected parts of the company's system over the next 2 years. While the truck looks like a normal utility bucket truck, it runs on up to 60 percent less fuel. It is one of only 24 operating in North America, and TXU Electric Delivery is one of only 14 electric companies in this pilot program. In addition to being able to run on B20 biodiesel, the truck can operate for up to 2 hours on battery power during periods when the diesel engine would normally be idling. The hybrid truck was manufactured by International Truck and



Engine Corp., in partnership with Eaton Corp. The national pilot program is administered by WestStart-CALSTART. For more information, please visit <http://www.oncorgroup.com/about/newsroom/detail.asp?prid=953>. Source: Joe Tario, NYSERDA

California Legislators Review Two Trucking Bills

In an effort to cut down on emissions at ports, a bill moving through the California Senate would fine ports that cause truck drivers to wait more than 30 minutes while doing business with terminals in the State. Under current California law, marine terminals that cause trucks to idle or queue (wait in line) for more than 30 minutes to load or unload can face fines. Sponsored by Sen. Alan Lowenthal, D-Long Beach, SB 1829 would require marine terminals to operate in such a manner that does not cause trucks to wait and idle for more than 30 minutes outside terminal gates. The bill also states that once inside the gates, truckers could not be made to wait more than 30 minutes for a single transaction. Unloading and loading must be completed in 60 minutes.

Lowenthal's bill starts the clock on the so-called 30-minute "turn time" from the moment a truck enters the first gate or queue at the terminal, and does not stop the clock until that truck leaves the exit gate. Marine terminals found to be in violation would face a \$250 fine per occurrence. Any attempt by owners or operators of terminals to avoid or circumvent these requirements would result in a \$750 fine. Terminals would be exempted from the proposed rules if the delay is caused by certain specified events.

Another piece of legislation, introduced by Assemblywoman Jenny Oropeza (D-Carson), is also intended to aid truckers. AB 2647 would establish a revolving fund, no-interest or low-interest loan program to provide funding for truck parking space electrification, idling reduction truck cab technologies, and installation of SmartWay Upgrade Kits. Text of both bills is available at http://www.leginfo.ca.gov/pub/bill/sen/sb_1801-1850/sb_1829_bill_20060425_amended_sen.pdf, http://www.leginfo.ca.gov/pub/bill/asm/ab_2601-2650/ab_2647_bill_20060526_amended_asm.pdf, and http://www.landlinemag.com/todays_news/Daily/2006/May06/051906.htm#2. Source: *Land Line*, May 19, 2006

MIT Research Enhances Options for New In-Cab Idling Reduction Technologies

Massachusetts Institute of Technology (MIT) Professor John Kassakian is leading a team of professors, research engineers, and graduate students in developing a new application for an old technology, thermophotovoltaics. New materials and more knowledge may make it possible to convert light into electricity for automotive applications, such as supplying the power to run the lighting, air-conditioning, and electronic systems in heavy-duty trucks, eliminating the need to run the diesel engine all night long while the driver rests. For more information, please go to <http://web.mit.edu/newsoffice/2006/tpv.html>. Source: Joe Tario, NYSERDA

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.



Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

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SOLICITATIONS

DOT Looking for Partner Universities to Tackle Nation's Transportation Challenges

The U.S. Department of Transportation (DOT) is inviting colleges and universities across the country to compete for approximately \$6 million in Federal transportation research funds. The 10 winning schools will be designated as Regional University Transportation Centers (UTC) for a 3-year period. Applications for the merit-based competition are due by Thursday, June 1, 2006, and DOT will make its selections by July 14, 2006. Once selected, the new UTC's will be expected to provide leadership in solving national and regional transportation problems facing the nation today. Application forms, instructions, and selection criteria can be accessed online at <http://utc.dot.gov> or <http://www.grants.gov>. The UTC program is administered by DOT's Research and Innovative Technology Administration.

Clean Cities Seeks Proposals for Idling Reduction Training and Awareness for School Districts

The U.S. Department of Energy's (DOE) Clean Cities Program is seeking proposals for projects that eliminate or reduce idling in school buses through the development and implementation of comprehensive driver education and awareness materials to reduce or eliminate idling. This area of interest is targeted at school bus drivers, fleet managers, and maintenance personnel of school districts as well as students, faculty, and parent-teacher organizations. The closing date for submittal to DOE is Thursday, June 8, 2006, and unlike previous years, all applications for grants and cooperative agreements responding to this request for proposals (RFP) need to be sent to <http://www.grants.gov>. DOE expects to make 1-3 awards ranging from no less than \$50,000 to no more than \$150,000, and cost-sharing is not required. The complete RFP is available at [https://e-center.doe.gov/iips/faopor.nsf/UNID/7570D5A0D105311F85257161005FFAA5/\\$file/Amendment+001+and+002.pdf](https://e-center.doe.gov/iips/faopor.nsf/UNID/7570D5A0D105311F85257161005FFAA5/$file/Amendment+001+and+002.pdf). For more information, please contact Jodi Collins at jodi.collins@netl.doe.gov.

Mid-West Diesel Initiative Releases \$575,000 RFP for Diesel Emission Solutions

Applications are due on Friday, June 16, 2006, for grants or cooperative agreements for a U.S. Environmental Protection Agency (EPA) Mid-West Diesel Initiative RFP. The RFP is for projects within the Region 5 States of Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin that will demonstrate effective emission control technologies and strategies, methods, or approaches to reducing diesel emissions. Projects may include, but are not limited to, a variety of emissions reductions solutions, such as add-on technology, engine replacement or rebuilds, and idle reduction technologies or strategies. There are six categories in which there are funding opportunities: ports, agriculture, rail, construction, truck-based freight, and public fleets. EPA anticipates make 2-10 awards of at least \$50,000. For more information, please go to



<http://www.epa.gov/midwestcleandiesel/grants/mcdi-06-rfp.pdf>. Source: Jonathan Nichols, EPA Region 5

Mid-West Diesel Initiative Releases \$464,320 RFP for Clean School Buses

Also due on Friday, June 16, 2006, is another RFP from the Mid-West Diesel Initiative, but this one is for clean school bus retrofit and idling reduction strategies. This RFP is also for projects within Region 5 and requires a 5-percent cost share. EPA anticipates making 2-10 awards of at least \$50,000. For more information, please go to

<http://www.epa.gov/midwestcleandiesel/grants/csb-06-rfp.pdf>. Source: Jonathan Nichols, EPA Region 5

ETV Greenhouse Gas Technology Center Solicits Technology Vendors

Under contract to EPA, the Greenhouse Gas Center of the Southern Research Institute (SRI) is soliciting collaborators and vendors of on-board idling reduction technologies for medium- and heavy-duty diesel trucks for independent performance verification testing. Interested vendors and/or partners should contact Tim Hansen, SRI, at (919) 806-3456 or

hansen@sri.org. Source: <http://www.epa.gov/etop/news/>

UPCOMING MEETINGS

SAE Government/Industry Conference Highlights Diesel Partnership Programs and Offers Ride & Drive of Clean Diesel Vehicles

On Monday, May 8, 2006, the Society of Automotive Engineers (SAE) kicks off its annual 3-day Government/Industry meeting at the L'Enfant Plaza Hotel in Washington, D.C. One of the sessions will be dedicated to the multi-Federal agency 21st Century Truck Partnership, which is led by DOE; the DOE FreedomCAR and Fuel Partnership; and the EPA SmartWay Transport Partnership. Two of these partnerships include idling reduction of heavy vehicles as an important component of their efforts. In addition, there will be a Ride & Drive of almost 4 dozen light-duty and heavy-duty vehicles, including clean diesel passenger vehicles and Class 8 diesel-powered trucks that meet the 2007 engine emission standards. This part of the meeting will be held at RFK Stadium parking lots and is sponsored by SAE, DOE, and the Diesel Technology Forum. Transportation between the hotel and RFK Stadium will be furnished by clean diesel-hybrid Metrobuses. For further information, please go to <http://www.sae.org/events/gim/>.

Mid-Atlantic Clean Ports Workshop to Focus on Reducing Emissions from Vehicles and Emissions at Ports

Wednesday, May 10, 2006, is the date for the Mid-Atlantic Clean Ports Workshop in Philadelphia sponsored by the EPA Mid-Atlantic Diesel Collaborative, the North Atlantic Ports Association, the Philadelphia Regional Port Authority, the Clean Air Council, the National Association of Waterfront Employees, the Manufacturers of Emission Controls Association, and the Philadelphia Water Department. This free workshop at the Park Hyatt Hotel is aimed at employees of the maritime industry, such as terminal operators, ship pilots, longshoremen, and people associated with cruise, rail, trucking, and tug operations. Participants will gain in-depth knowledge of emission reduction strategies for port terminal operations with a focus on case studies, technology, and business needs. The agenda is

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available at <http://www.cleanair.org/portworkshop/Mid%20Atlantic%20Clean%20Ports%20Workshop%20Agenda.pdf>, and the workshop registration form can be found at <http://www.cleanair.org/portworkshop/email.php>. Please contact Sean Jacobs (sjacobs@cleanair.org) at (215) 567-4004 for more information. Source: Trish Koman, EPA Ann Arbor

CARB to Hold Workgroup Meeting on Emissions from Commercial Harbor Craft

The Commercial Harbor Craft Workgroup of the California Air Resources Board (CARB) will meet in Sacramento on Wednesday, May 17, 2006, from 9:30 a.m. to 12:00 noon PDT to discuss development of regulatory concepts for reducing diesel particulate matter (PM) and oxides of nitrogen (NO_x) emissions from in-use diesel-fueled engines on commercial harbor craft. If you are unable to attend, you may call in at (800) 369-2088, pass code 67149#; the leader's name is Todd Sterling. For more information, please see the notice at <http://www.arb.ca.gov/msprog/offroad/marinevevss/meetings/051706hcnotice.pdf>.

Managing Air Emissions from Ships to be Highlighted at AWMA Conference

The Air and Waste Management Association (AWMA) is sponsoring a conference on Managing Ship Emissions and Effluents: A North American Perspective in Vancouver, British Columbia, on May 22-24, 2006. Several speakers will be addressing the issues associated with reducing emissions at ports, including alternative approaches. More information is available at <http://www.awma.org/events/confs/CanShipEmissions/PrelimProgram.pdf>. Source: Brewster Boyd, Ross & Associates Environmental Consulting

AAPA to Host Seminar on Harbors, Navigation, and the Environment

The American Association of Port Authorities (AAPA) will also be having a meeting in Vancouver, British Columbia, but it will be on June 6-8, 2006. The Harbors, Navigation & Environment Seminar will have sessions on environmental solutions at terminals and technology breakthroughs. More information is available at http://www.aapa-ports.org/programs/seminar_agendas/06_HNE.pdf. Source: Brewster Boyd, Ross & Associates Environmental Consulting

Clean Technologies Forum to Feature APU's, Idling Reduction Equipment, and More

Many new technologies that offer the opportunity to stop idling and clean up the air will be available at the Clean Technologies Forum Workshop in Sacramento, California, on Thursday, June 8, 2006, from 9 a.m. to 3 p.m. The workshop includes a continental breakfast and a box lunch. A copy of the flyer for the workshop is at <http://www.airquality.org/mobile/cff/Events/20060608EventannouncementRev.pdf>. Space is limited, and RSVP's are needed by Friday, June 2, 2006, to jchan@airquality.org or (916) 874-6267. Source: Kristen Sipes, West Coast Diesel Collaborative



PRESENTATIONS NOW AVAILABLE FROM MEETINGS

CARB Holds Statewide Rail Yard Agreement Public Meeting

CARB held its initial public meeting to discuss potential future emission control measures to reduce railroad emissions as part of the Statewide Rail Yard Agreement on April 25, 2006, in El Monte, California. Four presentations from that meeting are now available at <http://www.arb.ca.gov/railyard/ryagreement/ryagreement.htm#meetings>.

Some Presentations from CNANC Conference Now on Web

Presentations from some of the speakers at the California Marine Affairs and Navigation Conference (CNANC) Alternative Maritime Symposium last month are now on the conference web site for downloading. You can find them at <http://cmanc.com/web/upme.htm>.

ANNOUNCEMENT OF FINANCIAL AND NON-MONETARY AWARDS

Third Frontier Makes \$1 Million Award for Fuel Cell APU

Ohio's Third Frontier Fuel Cell Program recently awarded \$1 million to the Edison Materials Technology Center (EMTEC) for its Design for Manufacturability of TMI's SOFC System project, which will develop Technology Management, Inc.'s (TMI) small-scale solid oxide fuel cell (SOFC) platform into a complete auxiliary power unit (APU) for use in over-the-road heavy trucks. The prototype unit generates 1 kW by combining hydrogen with oxygen and includes a built-in device that makes hydrogen from diesel fuel with water as a byproduct, according to the Cleveland Plain Dealer. The plan is to build an APU that can produce 1-5 kW, which would then be able to supply enough power for a cab heater, an air-conditioner, and in-cab power for small appliances. Collaborators on this project include Technology Management, Inc.; Ricardo, Inc.; Precision Energy & Technology; Remy International; and W.W. Williams. For more information, please see *Transport Topics* of March 28, 2006, <http://www.ttnews.com/members/topnews/0015049.html>, and http://www.thirdfrontier.com/06PressReleases/TFFCP_FY06_Press_Release_030706Final.pdf.

AMP Project Wins 1 of 16 EPA Clean Air Excellence Awards

EPA recently recognized the contribution of 16 projects from individuals, State and local governments, and organizations for their efforts to improve air quality. One project, Alternative Maritime Power (AMP) in the Port of Los Angeles, was recognized for its reduction in the levels of emissions that surround the port and communities by powering massive container ships with on-shore electricity. Through unique implementation of available technology and providing incentives such as up to \$810,000 toward the cost to install the necessary AMP equipment to steamship lines, the Port of Los Angeles's Alternative Maritime Power program greatly reduces air emissions in the area surrounding the port. For more information about this awards program, which was established in 2000 by EPA's Clean Air Act Advisory Committee, please go to <http://www.epa.gov/air/caaac/2005awar.html>.



Paul Abelson Wins Prestigious TWNA Award

One of the ablest writers in the field of reporting on news in the trucking world, Paul Abelson, has been awarded the Lifetime Achievement Award by the Truck Writers of North America (TWNA). Abelson, an award-winning technical editor for both *Land Line* and *Road King* magazines, has been writing technical articles for 20 years. He also contributes to the industry through his participation in the Technology and Maintenance Council, Society of Automotive Engineers, National Idling Reduction Planning Committee, Trucker Buddy International, and Truck Writers of North America. Only two other writers have been honored with this award. TWNA is the professional association of journalists covering commercial vehicles, with members in North America and three other continents.

REGULATORY ACTIVITIES

EPA Releases Model State Idling Law

On May 4, 2006, EPA released a model State idling law that is the product of five public workshops held last summer. This model law is for States and localities to consider adopting if they do not have one at this time or when they modify what they currently have in place. It is important to keep in mind that EPA is not promulgating any type of regulation regarding vehicle idling. EPA's role is limited to that of a facilitator to help create more consistent idling laws around the country that will achieve greater fuel savings, emission reductions, and compliance with such laws. For more information, please go to <http://www.epa.gov/smartway/idle-state.htm>. Source: Paul Bubbosh, EPA Headquarters

MassDEP Steps Up Anti-Idling Enforcement and Cites 10 Violators

The Massachusetts Department of Environmental Protection (MassDEP) has recently cited 10 truck operators – nine companies and a hospital – for keeping stopped vehicles running in violation of a State law that limits most engine idling to 5 minutes or less. MassDEP inspectors identified the violators during an enforcement sweep of neighborhood streets, shopping centers, truck terminals, and distribution facilities last fall in 10 communities: Boston, Cambridge, Dartmouth, Gardner, Montague (Turners Falls), New Bedford, Norwood, Quincy, Springfield, and Worcester. Twelve of 50 trucks observed were found to be idling too long during stops. Given weather conditions and how the trucks were being used at the time, MassDEP inspectors determined that running their engines for more than 5 minutes was “unnecessary” and therefore in violation of the idling law, which applies to both gasoline- and diesel-powered vehicles.

MassDEP is requiring the 10 truck operators it cited for violations to provide driver training so their employees will know what the law requires and how people's health can be affected by excessive idling. It includes exceptions for vehicles that are being serviced, making deliveries that require power for refrigeration, and operating power accessories. MassDEP, police departments, and local boards of health are empowered to enforce the state's idling restrictions.

The agency has also developed an Idling Reduction Toolkit to help Massachusetts' towns and cities combat air pollution from unnecessary vehicle idling. MassDEP is planning a

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second round of truck inspections over the next couple of months. More information can be found at <http://www.mass.gov/dep/public/press/truckidl.htm>. Source: Julie Ross, MassDEP

California Moves to Reduce Idling at Ports

In an effort to cut down on emissions, a bill in the California Senate would fine ports that cause truck drivers to wait more than 30 minutes while doing business with terminals in California. Under current California law, marine terminals that cause trucks to idle or queue for more than 30 minutes to load or unload can face fines. Sponsored by State Senator Alan Lowenthal, D-Long Beach, the bill would require marine terminals to operate in such a manner that doesn't cause trucks to wait – and idle – for more than 30 minutes outside terminal gates. Once inside the gates, the bill would also prohibit making truckers wait more than 30 minutes for a single transaction. Unloading and loading must be completed in 60 minutes. Lowenthal's bill starts the clock on the so-called 30-minute "turn time" from the moment a truck enters the first gate or queue at the terminal and does not stop the clock until that truck leaves the exit gate. Marine terminals found to be in violation would face a \$250 fine per occurrence. Any attempt by owners or operators of terminals to avoid or circumvent these requirements would result in a \$750 fine. Terminals would be exempted from the proposed rules if the delay is caused by certain specified events. A hearing on the bill, SB1829, is set for Monday, May 8, 2006, in the Senate Appropriations committee. Source: *Land Line*, April 11, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Apr06/041006.htm#3 and http://www.aroundthecapitol.com/billtrack/status.html?file=sb_1829_bill_20060426_status.html.

Revolving Loan Fund for TSE under Consideration in California

Another bill to benefit truckers, AB 2647, sponsored by State Assemblywoman Jenny Oropeza, D-Carson, would establish a revolving loan fund program to pay for truck stop electrification (TSE) and anti-idling truck cab technologies. According to a legislative analysis, the bill would also aid compliance with CARB's heavy-duty vehicle idling emission reduction requirements. It is also consistent with the mandate to reduce particulate emissions from heavy-duty diesel trucks. The bill has been re-referred to the Assembly Committee on Appropriations. Source: *Land Line*, April 11, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Apr06/041006.htm#3 and http://www.aroundthecapitol.com/Bills/AB_2647.

Washington State Creates Tax Credit for Auxiliary Power at Truck Stops

Effective June 7, 2006, Washington State will offer tax incentives to those who provide infrastructure and services to support the use of auxiliary power through on-board or stand-alone electrification systems at truck stops. A copy of the new law, SSB 6512, is available at <http://www.leg.wa.gov/pub/billinfo/2005-06/Pdf/Bills/Session%20Law%202006/6512-S.SL.pdf>.



REPORTS AND PUBLICATIONS

CARB Seeks Comments on Port Truck Report

The CARB staff report, "Evaluation of Port Trucks and Possible Mitigation Strategies," is now available for review at <http://www.arb.ca.gov/msprog/onroad/porttruck/porttruck.htm>. CARB is actively soliciting comments and suggestions by Friday, May 12, 2006, to Michael Miguel at (916) 445-4236. If you wish to follow the possible development of a port truck mitigation strategy (including possible workshops, workgroups, and other outreach efforts), please join the listserve 'Port Truck' at the following web site: <http://www.arb.ca.gov/listserv/porttruck.htm>.

CARB Approves Emissions Reduction Plan for Ports

At a recent meeting, CARB approved the "Emission Reduction Plan for Ports and Goods Movement in California," which lays out an approach to dramatically reduce the emissions associated with the movement of goods throughout the State, particularly with respect to diesel-powered ships, locomotives, trucks, harbor craft, and cargo handling equipment. The plan proposed strategies to reduce emissions from goods movement by 20-40 percent below 2001 levels by 2001. Pollution would be reduced by regulations, incentives from all levels of government, and individual efforts from the goods industry itself. CARB estimates that the cost of the plan would be \$6-\$10 billion over the next 15 years.

One key element of the plan is the focus on replacing older higher-emitting engines in trucks with newer engines. That would build on existing incentive programs already in place in the Ports of Long Beach and Los Angeles.

In related news, the Port of Los Angeles has announced that it will require all new lease agreements for companies renting real estate in the port to include emission-reduction provisions. They must provide AMP dockside to ships so that the ships can operate on-board electronics using the electrical grid instead of idling. Further information is available at <http://www.arb.ca.gov/gmp/gmp.htm>, http://www.landlinemaq.com/todays_news/Daily/2006/Apr06/042806.htm#5, and http://www.arb.ca.gov/planning/gmerp/march21plan/march22_plan.pdf. Source: Shefali Ranganathan, Environmental and Energy Study Institute

MANUFACTURERS' NEWS

Kenworth Offers Clean Power™ System as OEM Equipment

Kenworth unveiled its Clean Power™ System, a battery-powered climate control system with the capability of providing engine-off heating and cooling, plus 110-V "hotel load" power to drivers for a full 10 hours, at the Mid-America Trucking Show in Louisville, Kentucky. The Kenworth T660 has aerodynamic styling and will be available for customer delivery with the new 2007 engines. Kenworth expects as much as an 8-percent improvement in fuel economy when this system is used during the truck driver's 10-hour federally mandated rest periods. The company also expects the payback period to be in months rather than years. For more information, please go to http://www.kenworth.com/6100_pre_mor.asp?file=1960 and <http://www.etrucker.com/apps/news/article.asp?id=52528>.



Source: Joe Tario, New York State Energy Research and Development Authority (NYSERDA)

Major Trucking Firm to Spec Kenworth Clean Power™ System

Contract Freight, Inc. (CFI), which owns 2,100 trucks, will be spec'ing its new trucks with this system in anticipation of significant energy savings due to avoiding idling. CFI is a SmartWay partner and wants to clean up the air and reduce dependence on foreign oil. For more information, please see http://www.kenworth.com/6100_pre_mor.asp?file=1961. Source: Joe Tario, NYSERDA

Carrier Transicold Introduces First TRU with Built-In Electric Standby

The Mid-America Trucking Show was the site of the introduction of the Carrier Transicold Vector 1800MT, a multi-temperature unit offering what Carrier calls unprecedented system reliability and an estimated 30-percent reduction in maintenance cost for a trailer refrigeration unit (TRU). The Vector 1800MT is based on Carrier's patented Deltek™ hybrid diesel-electric technology. Carrier claims that this is the first TRU that has an integrated, built-in electric standby, which allows a parked unit to be plugged into an AC power source and eliminates the need to run the diesel motor. This TRU complies with regulations, including those in California. Carrier also claims that using operating on electric standby power saves 52 percent over the cost of running a diesel engine for high-speed mode and high-capacity demand. More information is available at <http://www.trucktrailer.carrier.com>. Source: Tom Cunningham, Carrier Transicold

Dometic Develops Non-APU Day Cab Cooling System

Dometic Environmental Corp. announced that it has introduced a new auxiliary air-conditioning system for day cabs that doesn't require a separate onboard diesel APU. The system, designed to reduce engine idling, includes an air-conditioning system, a DC-AC inverter, a high-capacity alternator, a thermostat control, and an optional shore-power plug to connect to electrical outlets at truck stops.

Dometic said it will offer a self-contained unit and a split-unit system. When the self-contained unit is installed in the cab, it can be located between the driver and passenger seats, or replace the passenger seat entirely. If a carrier wants to use the split format, the compressor is inside the cab, and the condensing unit is mounted underneath the carriage, the company said. The units are connected by refrigerant lines. For more information, please see <http://www.dometicenviro.com/downloads/DOM05015.pdf>. Source: *Transport Topics*, April 10, 2006, <http://www.ttnews.com/members/topNews/0015116.html#story5>

Peterbilt to Offer Two New Options to Reduce Idling

Peterbilt plans to offer its customers two new options that will help reduce fuel consumption starting later this year. One such option is a universal connection module that simplifies the installation of aftermarket APU's. The 12-V power comes pre-wired from the battery box to the module, allowing for the easy installation of aftermarket APU's in as little as 3 hours. Peterbilt also announced the availability of a new Comfort Class System, which is a battery-based power system that provides heating, cooling, and electrical power to the sleeper cab for up to 10 hours and reduces the need for idling. For more information,

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please see http://www.peterbilt.com/index_new_mor.asp?file=1954&archivedate=. Source: Joe Tario, NYSERDA

Freightliner Offers NITE Idle-Free Climate Control System

Century Class® S/T™, Coronado®, and Columbia® Class 8 models made by Freightliner can now be spec'd with the Bergstrom NITE (No-Idle Thermal Environment) system at the factory. The NITE system consists of a rechargeable battery system that supplies electricity to a hermetically sealed air-conditioning unit and an auxiliary heater. The batteries run the air-conditioner while less than 1/10 of a gallon of diesel fuel is needed to run the heater. The system weighs 345 pounds and can be controlled from inside the sleeper cab. For more information, please see <http://www.freightliner.com/news/press-release-detail.aspx?id=514>. Source: Joe Tario, NYSERDA

RAILROAD NEWS

Dow Takes Delivery of "Green Goats" Diesel Hybrid Locomotives

Through a partnership with the Texas Emissions Reduction Program (TERP) and RailServe, a developer of hybrid switcher locomotives, the Dow Chemical Company is currently using five 1,000-hp diesel hybrid locomotives, called "Green Kids," at its facility in Freeport, Texas. The chemical company will also take delivery of two 2,000-hp "Green Goats" by March 2007. These locomotives are used for switching or inside-the-facility transport of shipments coming or going out of the plants. Dow anticipates emissions reductions of up to 50percent over older switchers, a reduction of 30-50 in fuel use, reduced maintenance expenses, and reductions in noise at its largest production facility in the world.

Dow worked with TERP and locomotive owner and switching contractor RailServe to secure a grant to convert the former diesel locomotives to hybrids. By agreeing to a 5-year contract with its supplier, Dow helped RailServe meet a State requirement for the subsidy, facilitating the use of State money to help pay for the conversion costs of \$500,000 to \$750,000 per locomotive. For more information, please go to <http://www.news.dow.com/corporate/2006/20060322a.htm>. Source: Joe Tario, NYSERDA

NJ Transit Decreases Overnight Train Idling in Suffern

In an update to the situation in Suffern, New York, that was covered in the December 2005 issue of this newsletter, six of seven locomotives on New Jersey (NJ) Transit commuter trains are now idling less. According to *The Journal News* of April 14, 2006, all but one very old locomotive has been using ground power to run their engines during cleaning and servicing. However, only the smaller of each train's two engines, which controls the train's lights, air-conditioning, and heating, has been turned off. As a result, emissions and noise have been reduced by about one-third, but citizens in Suffern are not yet satisfied. NJ Transit recently completed installing ground power at the Suffern train yard; plans to add equipment that will allow all the engines to be shut off are in the works, but there is no timetable for when that will happen. The locomotives, which spend 6-8 hours at night in the rail yard about ¼ mile west of the station, will continue to run when the temperature is 35°F or lower. Source: Joe Tario, NYSERDA



NEWS ABOUT PORTS

PierPass Increases Truck Gate Charges

PierPASS Inc. is increasing its truck gate charge to \$50 per 20-foot equivalent unit (TEU) and \$100 per 40-foot equivalent unit (FEU) for loaded marine containers moving through the ports of Long Beach and Los Angeles during peak daytime hours. The Traffic Mitigation Fee adjustment, effective April 24, is aimed at better covering the cost of the non-profit's OffPeak program, which provides full truck gates and other terminal services harbor-wide on selected nights and Saturdays. Terminal operators launched the OffPeak program with an initial \$40 per TEU rate. The fee provides an incentive for cargo owners to move shipments at night and on weekends, when there is no fee. The intent is to reduce port-related truck traffic congestion and eliminate pollution caused by idling trucks. During the first 6 months, between 30 and 35 percent of all gate activity went to OffPeak operations, reducing more than 1 million truck trips off the freeways during the busy daytime commute periods. *Source: Tie Lines, April 2006, <http://www.POLB.com/civica/filebank/blobdload.asp?blobid=2802>*

OTHER ITEMS OF INTEREST

Cygnus Launches New Publication for Fleet Managers

Cygnus Business Media has launched a new magazine, *Fuel Advantage*, to help private and government fleets and commercial vehicle operators to get more out of their fuel expenditures. The magazine, which comes out seven times a year, is aimed at helping fleet operators find the vehicles, fuels, and technologies they need to stay profitable and competitive. The core audience is maintenance managers and executives at 50,000 of the largest fleets in the country, as well as 10,000 transit fleet managers and executives. The March issue contains a long and thorough article on idling reduction, which it views as one of the transportation industry's hottest issues. Subscription information is available at <http://www.fuelpub.com>. *Source: Mark O'Connell, Fuel Advantage*

New Directory of Idling Reduction Equipment Now Available

Fleet Owner has recently published a directory of commercially available idling reduction equipment. The article also cites the more comprehensive list on the SmartWay web site (<http://www.epa.gov/smartway/idlingtechnologies.htm>). For more information, please go to http://www.fleetowner.com/mag/idle_reduction_solution_directory_033106/. *Source: Joe Tario, NYSDOT*

Vehicle Idling Restrictions Spreading in Japan

While energy consumption in the transportation sector in Japan has increased by more than 20 percent since fiscal 1990, with private cars mostly responsible, a move to encourage drivers to stop idling while not in motion is spreading nationwide. Energy consumption in the transportation sector is a major source of carbon dioxide emissions that contribute to the global warming.

The Japanese Ministry of Land, Infrastructure, and Transport set up a subsidy system to promote vehicles with "idling-stop" devices installed and has been holding promotional



events, seminars, and test-drive events for this purpose. More and more prefectural and municipal governments have also enacted ordinances for discouraging idling, as a means of protecting the environment and citizens' lives from air pollution from nitrogen oxides, foul odors, and noise. For example, Kuki City, Saitama Prefecture, enforced an ordinance to restrict idling on August 1, 2001. It requires all car owners and drivers in the city to switch off their engines wherever and whenever they park and leave their cars. Taxi and bus drivers who are waiting for passengers are also subject to the ordinance. Exceptions include parking for less than 5 minutes when loading and unloading, parking for passengers to board or alight, and stops that are necessary to protect human lives and health. For more information, please see http://www.japanfs.org/db/database.cgi?cmd=dp&num=1300&dp=data_e.html. *Source:* Diane Turchetta, Federal Highway Administration

Georgia PIRG Publishes Clean Air Action Plan

A coalition of environmental groups, public health groups, and citizens in Atlanta has issued a call to action to provide clean air for all Georgians. Issuing a report, "A Call to Action for Clean Air," the Georgia Air Coalition set forth a series of recommendations designed to reduce pollution at its sources: tailpipes and smokestacks. With respect to idling reduction, the 20-page report recommends creating and enforcing idling reduction regulations and accelerating and expanding truck stop electrification along Georgia's Interstate highways. The report is available at <http://georgiapirog.org/GA.asp?id2=23306>. *Source:* Joe Tario, NYSEDA

SmartWay Upgrade Kit to be Offered as Part of I-5 Corridor Project

A new non-profit organization, called Cascade Sierra Solutions, has been working to create "one-stop shops" at major truck stops along the I-5 Corridor in Washington State, Oregon, and California for the SmartWay upgrade kits. In order to be successful, the organization needs to access large revolving loan funds. The general strategy is that revolving loans would pay for on- and off-board idling reduction technologies, but the on-the-ground infrastructure may not be included. In Oregon, they have good progress, as the Oregon Department of Energy has just agreed to make a 20-percent match to capitalize a \$20 million State Infrastructure Bank (SIB) fund. Cascade Sierra Solutions is still in discussions with the Oregon SIB regarding the eligibility of trucking retrofits for SIB funds. In addition, as a 501(c)(3) corporation, Cascade Sierra Solutions may be able to leverage funds through double-exempt tax bond funds that would not be tied to a State and would provide the best flexibility for implementing SmartWay upgrade kits along the I-5 corridor. Cascade Sierra Solutions plans to hold a technology forum workshop in Sacramento on Thursday, June 8, 2006, and there are efforts to get the showcase up and running, potentially through vendor commissions before the revolving funds are made available. *Source:* Kristen Sipes, West Coast Diesel Collaborative

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.



Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

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SOLICITATIONS

2006 Carl Moyer Program Multidistrict Solicitation Closes on April 14

The California Air Resources Board (CARB) has announced that the 2006 Carl Moyer Program Multidistrict Solicitation and associated applications are now available at <http://www.arb.ca.gov/msprog/moyer/moyer.htm>. This solicitation will provide grants to offset increment costs of reduced emission technologies in the following areas:

- Goods movement projects including
 - Marine vessels and locomotives
 - Off-road equipment permanently located at a maritime port or rail yard
 - On-road heavy-duty vehicles that transport cargo to and from a maritime port or rail yard and travel at least 400 trips per year to a port or rail yard
- Transport refrigeration units (TRU's)
- Off-road construction equipment and mobile agricultural equipment that operates in more than one air-quality district
- Particulate matter retrofit devices that also reduce NO_x for on-road heavy-duty vehicles that operate in more than one air-quality district
- Idling reduction technologies installed in on-road heavy-duty vehicles operating in more than one air-quality district
- TRU's on vehicles or equipment operating in more than one air-quality district.

All eligible projects must comply with the January 6, 2006, Carl Moyer Program Guidelines, the 2006 Carl Moyer Program Advisories, and the specific requirements of the solicitation.

A pre-bid conference will be held Monday, April 3, 2006, to provide potential project applicants with an opportunity to ask clarifying questions regarding general project requirements and specific technology questions. Applications must be received by CARB no later than 5:00 p.m. on Friday, April 14, 2006. Please direct questions regarding the administration of this solicitation to Ms. Stacey Dorais at (916) 322-2383 or sdorais@arb.ca.gov.

Texas Seeks Grantees for SmartWay's Technologies Test Program

The Texas New Technology Research and Development (NTRD) program has just released a request for grant applications (RFGA) for outdoor track testing of selected components of the SmartWay technology kit on drayage trucks. NTRD is soliciting the refinement of a drayage vehicle drive cycle and the performance of outdoor track testing utilizing this drive cycle. The project will utilize two tractor-trailers to evaluate the commercialization and emission reduction potentials of specific fuel-saving technologies as defined by the U.S. Environmental Protection

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Agency (EPA). The closing date for the solicitation is Monday, May 1, 2006, with an award anticipated by June 30, 2006, for a project period of 2-4 months. NTRD expects to make one award of \$200,000. Cost sharing is encouraged. The RFGA is available at <http://files.harc.edu/Sites/TERC/NTRD/RFGAs/RFGA-02.pdf>, and other information is available at <http://www.tercairquality.org/NTRD/RFGAs/RFGA-02>. Source: Terri Kurtin, Houston Advanced Research Center

SmartWay Seeks Applications to Conserve Fuel and Reduce Emissions from Heavy-Duty Trucks

The EPA SmartWay Transport Partnership is soliciting States, non-profit organizations, and educational institutions to submit applications for a project to evaluate energy savings and emission reduction technologies for long-haul trucks. The technologies for evaluation are part of a kit that includes, but is not limited to, wide-based tires, advanced trailer aerodynamics, idling reduction devices, automatic tire inflation systems, and a diesel oxidation catalyst. When combined, these devices have the potential to significantly reduce emissions and conserve fuel. Total funds available are \$300,000 for one or more awards. The deadline for submitting an application is Monday, May 15, 2006. For more information, please see RFA No. EPA-OAR-STP-06-07, which is available at http://www.epa.gov/air/grants_funding.html#0607. Source: Paul Bubbosh, EPA Headquarters

ANNOUNCEMENTS OF FINANCIAL AWARDS

North Carolina Solar Center Partners with Volvo Trucks to Demonstrate Mobile Idle Reduction Technologies

The North Carolina Solar Center at North Carolina State University (NCSU) will partner with Volvo Trucks North America to design and demonstrate a prep kit for mobile idle reduction technologies (MIRT's) for new commercial vehicles to reduce the idling times for long-haul trucks. The EPA SmartWay Transport Partnership awarded the Center \$500,000 in October 2005 for a 2½-year project to work with a truck manufacturer to design a prep kit to demonstrate MIRT's in over-the-road sleeper trucks. The Center then put out a competitive solicitation for truck manufacturers, and the proposal from Volvo Trucks North America was selected as the winner. Volvo has agreed to install the prep kits in at least 20 trucks. Volvo and NCSU will obtain data on operator and fleet usage of the systems during the program. Volvo will leverage its Volvo Link two-way satellite communications system for some of the data collection. The company will also recruit customer fleets to participate in the program. For more information, please go to http://www.ncsc.ncsu.edu/resources_by_sector/clean_transportation_projects.cfm, <http://www.volvo.com/trucks/na/en-us>, and http://fleetowner.com/news/volvo_trucks_mobile_idle_reduction_technology_mirt_030606/.

North Carolina Mobile Grants Program Announces 2 Idling Reduction Awards

The Division of Air Quality (DAQ) of the North Carolina Department of Environment and Natural Resources has recently announced the winners of its Mobile Source Emissions Reduction Grants solicitation. DAQ has awarded \$799,511 for 16 projects in 14 counties in the State. Two of these projects are for idling reduction: \$8,889 for idling reduction equipment for the Carolina Coastal Railway and \$60,000 for an idling reduction program and equipment for the Charlotte/Mecklenburg school district.

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The Mobile Source Emission Grants program is funded by a 1/64-cent per gallon tax on gasoline sold in North Carolina. It awards grants for projects and equipment that limit air pollution from cars, trucks, and other motor vehicles. The program has awarded 88 grants totaling \$6.44 million statewide since 1995. For further information, please see http://www.daq.state.nc.us/news/pr/2006/ms_emis_red_grants_03222006.shtml. Source: Heather Hildebrandt, DAQ

REGULATORY NEWS AND PUBLIC MEETINGS

Railroads Sue SCAQMD over New Idling Reduction Rules

South Coast Air Quality Management District (SCAQMD) in southern California is defending its right to reduce locomotive emissions in the wake of a court challenge filed by Union Pacific (UP) Railroad, Burlington Northern Santa Fe (BNSF) Railway, and the Association of American Railroads. SCAQMD has adopted three rules to reduce the public health risk associated with locomotive emissions:

- Rule 3501, adopted on February 3, 2006, requiring railroads in the region to keep records of all locomotive engine idling lasting more than 30 minutes, unless a locomotive is equipped with an anti-idling device
- Rule 3502, also adopted February 3, 2006, prohibiting unnecessary locomotive idling for more than 30 minutes, unless a locomotive is equipped with an anti-idling device
- Rule 3503, adopted on October 7, 2005, requiring 19 freight rail yards in the region to submit emissions inventories and health risk assessments to SCAQMD.

The railroads are arguing that SCAQMD is prohibited from adopting any locomotive emission regulations under the Federal Clean Air Act, the Federal Interstate Commerce Commission Termination Act, and other Federal laws.

SCAQMD's regulations are more stringent than requirements of a June 2005 voluntary agreement among CARB, UP, and BNSF. Unlike that voluntary agreement, SCAQMD's regulations are legally enforceable and subject the railroads to strict penalties if they do not comply with the rules. For further information, please go to <http://www.aqmd.gov/news1/2006/LocomotiveCourtChallengePR.html>. Source: Joe Tario, New York State Energy Research and Development Authority (NYSERDA)

FHWA Seeks Comments on Interstate Highway Oasis Program

The Federal Highway Administration (FHWA) is seeking comments on a provision of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) that calls for FHWA to establish an Interstate Oasis program. After the comment period is over, FHWA is to develop standards for designating an Interstate Oasis as a facility that offers, at a minimum, products and services to the public, 24-hour access to restrooms, and parking for automobiles and heavy trucks. According to *Fleet Owner*, some States could close down rest stops on Interstate highways, which could exacerbate the shortage of parking space for long-haul trucks.

Standard signage would be also created not only to indicate that an oasis is coming up but also to indicate to the traveling public what amenities are available at each oasis. Comments on the proposed Interstate Oasis program are due on or before Friday, April 28, 2006. More information is available in the *Federal Register* notice of February 27, 2006,



http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2006_register&docid=fr27fe06-91 and at http://preview.fleetowner.com/news/topstory/trcukstop_oasis_fhwa_030706/. Source: Joe Tario, NYSERDA

Washington State OKs Tax Incentives for On-Board/Off-Board Idling Reduction Equipment

The Washington State House and Senate have passed SSB 6512, "An Act Relating to enhancing air quality at truck stops." The bill seeks to provide tax incentives for the infrastructure and services that support the use of auxiliary power units (APU's) for heavy-duty vehicles weighing more than 14,000 pounds through on-board or stand-alone electrification systems. This bill essentially provides business, occupation, use, and sales tax credit for those who provide auxiliary power at truck stops. It also provides for a tax credit to truckers who install equipment on their truck that enables them to use auxiliary power. There are no tax credits for APU's, while an APU that also has plug-in capability might be eligible. These exemptions would expire on July 1, 2015. Further information is available at <http://apps.leg.wa.gov/billinfo/summary.aspx?bill=6512&year=2006>. Source: Paul Bubbosh, EPA Headquarters, and Frank Van Haren, Washington State Department of Ecology

California Considers Creation of New Loan Program for Idling Reduction Technologies

California Assemblywoman Shirley Horton introduced AB 1901, the "Truck Retrofit Revolving Loan Program," which would require the California Energy Resources Conservation and Development Commission to help finance, through direct loans, the retrofitting of trucks with EPA SmartWay Transport Partnership Upgrade Kits. The fund associated with the program would use monies from the State Treasury for the purpose of providing loans under this program. Trucks or fleets would have to operate 75 percent of the time in California to be eligible for the loan program. This bill would apply to trucks weighing over 33,000 pounds and would terminate on January 1, 2012. A hearing on the bill has been scheduled for Monday, April 3, 2006. More information about the legislative history of this bill can be found at http://www.aroundthecapitol.com/Bills/AB_1901. Source: Kristin Sipes, EPA Headquarters

CARB Public Hearing to Discuss Emission Reduction Plan for Ports and Goods Movement

CARB will be holding a public meeting on Thursday, April 20-21, 2006, in Long Beach. On the tentative agenda is a public hearing to consider the emission reduction plan for ports and goods movement in California. CARB staff has released its Proposed Emission Reduction Plan for Ports and Goods Movement for public review and comment. The plan includes an assessment of statewide health impacts from emissions related to ports and goods movement, and specific actions necessary to reduce those emissions and protect public health. The plan is available at <http://www.arb.ca.gov/planning/gmerp/gmerp.htm> along with information on related activities. Information about the agenda for this meeting is posted at <http://www.arb.ca.gov/board/ma/2006/ma042006.htm>.

Illinois Works on Restricting Idling

A bill pending in the Illinois General Assembly would limit idling for diesel-powered vehicles weighing more than 8,000 pounds in certain counties and locations in the State. HB 4782

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would allow no more than 10 minutes of idling in any 60-minute period, except for numerous exceptions. It would allow for the use of APU's. The anti-idling rule would not apply at or below 32°F and at or above 80°F. Fines would be pegged at \$50 for the first infraction and \$150 for the second and any subsequent infraction during a 12-month period. The bill currently awaits action in the Illinois Senate. For more information, please see http://www.landlinemaq.com/todays_news/Daily/2006/Mar06/031506.htm#2 and <http://www.ilga.gov/legislation/BillStatus.asp?DocNum=4782&GAID=8&DocTypeID=HB&LegID=23398&SessionID=50&GA=94>.

UPCOMING MEETINGS

Midwest Clean Diesel Initiative to Sponsor "Cleaning Up Illinois Diesel"

Details are being firmed up for a meeting on Tuesday, May 2, 2006, on "Tools for Cleaning Up Illinois Diesel: Technology, Funding, and Collaboration." It will be held at the BP Naperville Complex in Naperville, Illinois. Sponsors include the U.S. Department of Energy (DOE) Clean Cities Program, Illinois Environmental Protection Agency, Chicago Area Clean Cities, Illinois Lt. Governor Pat Quinn, and the Diesel Technology Forum. For more information, please check the Midwest Clean Diesel Initiative web site at <http://www.epa.gov/midwestcleandiesel> or contact Bethany Kraseman at bethany.kraseman@cityofchicago.org.

Save the Date for "Clean Air Innovations Conference 2006"

This year's EPA's "Clean Air Innovations Conference" will be held on September 6-8, 2006, in Denver, Colorado, at the Adams Mark Hotel. The conference web site is now up and can be found at <http://www.cleanairinfo.com/airinnovations/index.htm>. A tour of DOE's National Renewable Energy Laboratory is an optional pre-conference event. State, local, tribal, air-quality managers, and energy and transportation planners are the intended audience of this meeting, along with community and business leaders and others interested in new solutions and quality of life improvements related to cleaner air. Conference organizers are currently soliciting for interesting topics, sessions, and speakers for this event. For more information, please contact David Cole (cole.david@epa.gov) or Donna Rogers (rogers.donna@epa.gov) at EPA Research Triangle Park in North Carolina.

PUBLICATIONS

SmartWay Posts New Study of In-Cab Air Quality of Idling Trucks

EPA technical reports dealing with emissions from idling trucks are available at <http://www.epa.gov/smartway/idle-testing.htm>. A new report, *Measuring Air Pollution Inside and Outside of Diesel Truck Cabs*, has just been added to that site. This 154-page report documents the air quality inside trucks that were parked idling at an Interstate 40 truck stop near Knoxville, Tennessee. Researchers measured air quality inside and outside the truck cab for different models/makes of trucks and under various environmental conditions. Among the conclusions were that in-cab concentration of pollutants was dependent on the location of the truck at the truck stop *vis à vis* other idling trucks, leakage from the exhaust or engine compartment that entered the cab, whether the truck engine was on or off, and the air intake settings of the cab. For further information on the study, please contact Dr. Wayne Davis at (865) 974-5321. *Source:* Paul Bubbosh, EPA Headquarters



Connecticut Group Recommends Federal Subsidies for TSE and APU's

Environment & Human Health, Inc. (EHHI), a non-profit organization based in North Haven, Connecticut, has recently released a report entitled *The Harmful Effects of Vehicle Exhaust*. The report makes the point that there are significantly more vehicles on the road in Connecticut today than in the past and vehicle-miles traveled there have also shown the same kind of increase. Emissions from these vehicles, both gasoline-powered and diesel-powered, added to that of a State heavily dependent on the use of heating oil in the winter, causes health problems for its citizens. Among the solutions recommended to improve air quality are having the Federal Government subsidize truck stop electrification (TSE) and on-board APU's and supporting the use of idling reduction signs for schools and other places where unnecessary idling occurs. Other idling reduction recommendations are for State and local authorities. For more information, please go to <http://www.ehhi.org/reports/exhaust/default.htm>.

Source: Nancy Alderman, EHHI

PRESENTATIONS NOW AVAILABLE FROM SEVERAL MEETINGS

Northeast Clean Ports Workshop Posted on Web Site

Presentations from the February 1, 2006, Northeast Clean Ports Workshop, which was organized by the EPA Northeast Diesel Collaborative, are now available at <http://www.northeastdiesel.org/marine.htm>. Almost 170 people attended this meeting at which presentations from experts from ports, industry, and public agencies shared their experience in developing both comprehensive emission reduction programs and specific projects in the areas of cleaner fuels, retrofits, idling reduction, fleet modernization, and operational changes to improve efficiency.

"Talking Freight" Seminar Transcript and Slides Now Available

On February 21, 2006, the FWHHA sponsored another webcast in their "Talking Freight" series. The topic this time was the National Freight Policy Framework. Anyone interested in reading a transcript of the web cast and viewing the slides can find them at <http://www.fhwa.dot.gov/freightplanning/talking.htm>. Source: Jennifer Seplow, SAIC

Mid-Atlantic Diesel Collaborative Workshop Materials Now Available Electronically

Photos, participant information, and links to panel presentations from the Mid-Atlantic Diesel Collaborative Workshop are now up on the Mid-Atlantic Diesel Collaborative web site at <http://www.dieselmidaatlantic.org>. About 100 stakeholders attended the meeting on February 28, 2006, in Washington, D.C., and their discussions focused on what the Collaborative should be, new State and Federal funding options, incentives, and partnership-building opportunities. If you would like to be notified of future efforts of the Collaborative, please contact Kelly Sheckler, EPA Region 3, at sheckler.kelly@epa.gov or Susan Stephenson, Mid-Atlantic Regional Air Management Association at sstephenson@marama.org.



NEWS ABOUT PORTS

Public Comments Solicited for Draft Cold-Ironing Report

CARB staff is soliciting comments on its draft report, *Evaluation of Cold-Ironing Vessels at California Ports*. This report presents an analysis of the feasibility and cost effectiveness of cold-ironing ocean-going vessels while docked at California ports. Cold-ironing refers to shutting down auxiliary engines on ships while in port and connecting to electrical power supplied at the dock, thus eliminating virtually all emissions from a ship while it is in port. It is also referred to as "shore power" and alternative maritime power.

This report supports emission reduction goals outlined in the 2003 South Coast Air Basin State Implementation Plan (SIP), the CARB draft Goods Movement Emission Reduction Plan, and the Board's Diesel Risk Reduction Plan. The draft report is available at <http://www.arb.ca.gov/msprog/offroad/marineveess/documents.htm#coldiron0306>. Please submit comments to Mike Waugh, Manager, Program Assistance Section, by Monday, April 3, 2006, at mwaugh@arb.ca.gov or (916) 445-6018.

San Diego Looks to Cold Ironing for Cruise Ships

According to the San Diego *Union-Tribune*, the port of San Diego had 217 visits from cruise ships last year, more than double the number of calls in 2000. To reduce the amount of air pollution from these vessels when they are idling at the dock, the port plans to conduct a feasibility study of cost estimates and design concepts for shore power at its 10th Avenue and cruise ship terminals. San Diego Gas & Electric would look at ways to deliver 12-24 MW of electricity to each terminal. The project would cost \$3-\$5 million per terminal, and each ship would need to be modified to connect to the power onshore. For more information, please go to http://www.signonsandiego.com/uniontrib/20060223/news_7m23port.html. *Source:* Joe Tario, NYSERDA

MANUFACTURERS' NEWS

Carrier to Distribute Teleflex APU's

Starting March 1, 2006, Carrier Corporation's Transcold business unit will be the sole distributor for aftermarket Teleflex auxiliary power units (APU's), which will be renamed the ComfortPro™ series. Carrier will serve as the worldwide dealer network and vastly expand the distribution, service, and support for these APU's. The ComfortPro series includes a multi-function driver control panel, a climate-control unit, and a shore power option that enables a trucker to plug into a standard 110/120V outlet. Carrier expects the cost to be about \$8,500 installed, although that price may fall as volume increases. At the current price for diesel fuel, the company expects the payback period to be about 1½ years. For more information, please go to <http://www.trucktrailer.carrier.com>, <http://128.167.97.173/www/v/index.jsp?vgnextoid=b7199276ff0b9010VqnVCM100000cb890b80RCRD>, and http://fleetowner.com/news/carrier_comfortpro_apu_mats_032306/. *Source:* Joe Tario, NYSERDA

Shore Power Feature Added To Bergstrom Nite System

Bergstrom, Inc., has added a new APU to its produce line called the NITE (no-idle thermal environment) system. It uses a battery system that is independent of the truck's electrical

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system to offer climate control and electricity for appliances used while the driver is at rest. There is also a shore power feature so that the parked truck can connect to grid electricity as needed. This new feature allows for the vehicle to use both AC and 12V DC power. The air-conditioner can operate for varying lengths of time, depending on the number of batteries that are spec'd as part of the system. The unit weighs 210 pounds, well within the new weight waiver authorized by the Energy Policy Act of 2005. For more information, please see http://fleetowner.com/news/bergstrom_nite_system_030306/ and <http://www.nitesystem.com/index.cfm/news?id=4>.

Integrated Auxiliary HVAC and Power Unit Now Available on New Western Star Trucks

Western Star Trucks is now offering an integrated auxiliary heating/air-conditioning and power generation package as optional, factory-installed original equipment on new 4900-Series truck models. The Idle Solutions package is being supplied by Dometic Environmental Corporation and Temco Metal Products Company. The Idle Solutions system consists of a Dometic 14,000 BTU heating, ventilation, and air-conditioning (HVAC) system and a Temco 7.2 kW power generator. It is completely independent from the main engine and other truck systems. The Dometic HVAC system consists of a condensing unit, which is mounted outside the cab, and a cooling/heating unit inside the sleeper. The two components are joined by quick-connect refrigerant line sets, which are pre-charged at the factory, allowing for easy installation without special EPA-approved equipment. The system provides 4000 W of heating capacity for cold weather. The Temco APU consists of a 3-cylinder, liquid-cooled 15.8 HP Perkins diesel engine driving a 7.2 kW generator. According to Temco, the unit uses 0.3 gallon per hour of diesel fuel while providing ample power to run the air-conditioner and other electrical appliances. For more information, please see <http://www.layover.com/cgi-bin/portal/printnews.pl/9271.html>. Source: Joe Tario, NYSEDA

Kohler Power Systems Introduces APU for Trucking

Kohler Power Systems, a division of Kohler Company, is expanding its lines of generators to include an APU especially tailored to the needs of the trucking industry. Kohler's 5 kW APU is air cooled and self contained, and it weighs less than 350 pounds. For more information, please go to http://www.fleetowner.com/news/kohler_power_systems_apu_mats_032406/index.html and www.kohlerpowersystems.com.

OTHER NEWS OF INTEREST

Idling Reduction Cost Calculator Now Up on Argonne Web Site

Argonne National Laboratory has added a new cost worksheet on its web site (<http://www.transportation.anl.gov/pdfs/EE/361.pdf>) to enable truck owners to calculate the savings and payback time from using on-board idling reduction equipment or electrified parking spaces. This is a test version for users; please send comments to Linda Gaines at lgaines@anl.gov. It complements other calculators available on the Internet, such as EPA's SmartWay Technology Package Savings Calculator (<http://www.epa.gov/SmartwayLogistics/calculator/loancalc.htm>) and those on manufacturers' web sites. Source: Linda Gaines, Argonne National Laboratory



Fleet Owner Publishes Special Report on Choosing an Idling Reduction System

Timed to coincide with all the manufacturers' news (see above) coming out of the Mid-America Trucking Show at the end of March, *Fleet Owner* magazine has a comprehensive special report on how to choose the right idling reduction system for fleet owners and owner-operators. The article contains a checklist to consider when deciding which system to buy, interviews with fleet managers on their experiences with heating and cooling systems, and how the truck manufacturers plan to offer integrated systems. More information can be found at http://fleetowner.com/equipment/feature/fleet_choosing_idle_reduction/. Source: Wendy Leavitt, *Fleet Owner*

Overdrive 2006 Trucker of the Year Sets Bar Very High

Robert Jordon, this year's winner of *Overdrive's* 2006 Trucker of the Year, is a man of many talents. He drives a reefer for Caine Transport about 150,000 miles every year and is a strong believer in not idling during his rest periods. He has found ways to insulate his cab and bunk to enhance his comfort. Because he does not idle, he gets double the miles per engine hour of a typical trucker and saves on maintenance costs by reducing the number of oil changes he needs to make. He is also an inventor who uses his experience as a truck driver to create new hardware to reduce the need for idling. For more information, please go to <http://www.idlefree.net> and <http://www.etrucker.com/apps/news/article.asp?id=51455>. Source: Joe Tario, NYSERDA

Freightliner Sees Lower Interest in APU's as Carriers Focus on Cost of '07 Engines

According to *Transport Topics*, officials at Freightliner Trucks stated they expect demand for APU's to slow temporarily as fleets buy current trucks before having to cope with the increased costs of new engines that are compliant with the 2007 emissions standards in January. Other truck manufacturers are preparing to offer APU's to comply with the increasing number of anti-idling regulations at the State and local level. For more information, please see <http://www.ttnews.com/members/topNews/0015002.html>.

Eaton Signs \$65 Million Contract with IdleAire

Eaton Corporation has recently signed a \$65 million contract with IdleAire to supply its Power Truss™ system, a key component of IdleAire's ATE Advanced Travel Center Electrification® system, at 210 truck stops and fleet terminals nationwide that are planned for the next 12 months. That list can be found at http://www.idleaire.com/newsroom/releases/02_24_2006.jsp. Eaton has been a key design partner with IdleAire and co-developed the Power Truss™ system that distributes electrical power to each individual truck parking space. In this initial national deployment, the Power Truss™ system will provide electricity to more than 13,200 parking spaces. Source: http://web.eaton.com/NASApp/cs/ContentServer?pagename=EatonCom/Pages/PressRelease_Details&cid=1143077432790



Pentagon to Reduce Idling to Save on Fuel Costs

According to a *Reuters* report of March 20, 2006, the Pentagon is looking for ways to save on fuel costs. One approach is to train more on simulators and shut down engines instead of idling. Since most armored vehicles and aircraft were designed in times of low fuel prices, cost-cutting measures are focused on them. For example, an Abrams tank can go from 0 to 20 mph in 7 seconds, but it uses 56 gallons per hour at full speed and 10 gallons per hour when it is idling. Some tanks now use battery power at idle. For more information, please go to http://today.reuters.com/news/newsArticle.aspx?type=topNews&storyID=2006-03-20T143332Z_01_N17323493_RTRUKOC_0_US-ENERGY-PENTAGON-EFFICIENCY.xml&archived=False. *Source:* Joe Tario, NYSERDA

New Rochelle Regulates Idling of All Motor Vehicles

New York State limits idling of all on-road vehicles heavy-duty weighting more than 8,500 pounds (http://www.dec.state.ny.us/website/regs/subpart217_3.html#top), whether they are fueled by diesel or gasoline. Local Law No. 8 of 2004 of the City of New Rochelle (http://www.e-codes.generalcode.com/codebook_frameset.asp), a city in Westchester County outside New York City, now regulates idling of both light-duty and heavy-duty vehicles in that city to no more than 5 minutes, subject to the exceptions for heavy-duty vehicles in Subpart 217-3 of Title 6 Part 217 of the State of New York Codes, Rules, and Regulations (web site above). *Source:* Kristin Wiener, City of New Rochelle

New URL for Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml. Please update your bookmarks accordingly.

Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

DOE's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

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Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

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SOLICITATIONS FOR FUNDING AND AWARDS

CARB Solicits Applications for ICAT Grants

The California Air Resources Board's (CARB) Innovative Clean air Technologies (ICAT) grant program is soliciting applications for grants to be approved in November 2006. Instructions on how to apply are now available at <http://www.arb.ca.gov/research/icat/solicit.htm>. This year, CARB has received additional funding for the ICAT program, and as a result, it will give greater consideration to grants of larger amounts than historically awarded under ICAT. The increased funding is available for qualified projects involving innovative air-pollution-control technologies and air-monitoring technologies. An application in the form of a pre-proposal, as described in the instructions, must be e-mailed to CARB by March 31, 2006. Information about ICAT is at <http://www.arb.ca.gov/research/icat/icat.htm>.

Please contact Kevin Cleary, ICAT manager, at (916) 323-1505 or kcleary@arb.ca.gov, if you have questions.

NYSERDA Seeks Advanced Transportation Technologies

The New York State Energy Research and Development Authority (NYSERDA) Program Opportunity Notice (PON) 1003 seeks proposals to support the development, demonstration, and commercialization of innovative transportation products, systems, and services. Two rounds are scheduled under this PON, and the total available NYSERDA funding is \$3 million. All, or none, of the available funds could be allocated in either round. Proposals for the first round are due on Wednesday, April 26, 2006; proposals for the second round are due on Wednesday, September 27, 2006. Please visit <http://www.nyserda.org/funding/funding.asp?i=2> for more information. Source: Colleen Ryan, NYSERDA

USDA Announces Grants and Loans for Efficiency, Renewable Energy

The U.S. Department of Agriculture (USDA) recently announced that \$11.385 million will be available for competitive grants and \$176.5 million for guaranteed loans to purchase renewable energy systems and make energy-efficiency improvements. The funds are available for agricultural producers and rural small businesses under the USDA's Renewable Energy Systems and Energy Efficiency Improvements Program. For renewable energy systems, the minimum grant request is \$2,500, and the maximum is \$500,000. For energy-efficiency improvements, the minimum acceptable grant request is \$1,500, and the maximum is \$250,000. Grant applications are due by Friday, May 12, 2006, and loan applications are due by Monday, July 3, 2006. Further information begins on the program web site at

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Further information begins on the program web site at <http://www.rurdev.usda.gov/rbs/farmbill/index.html>. Source: *EERE Network News* of February 22, 2005, <http://www.eere.energy.gov/news/enn.cfm>

USDA Offers \$20 Million for Conservation Innovation Grants

USDA has announced the availability of \$10 million in funding for competitively selected proposals from State and local governments, nongovernmental organizations, federally recognized Indian tribes, and individuals for Conservation Innovation Grants. This solicitation has a national and State-level component. Proposals are due on Monday, March 20, 2006, for the national solicitation; deadlines for the State-level solicitations can be found by clicking on the link for each State at <http://www.nrcs.usda.gov/programs/cig/statecomponent.html>. Information on both competitions can be found at <http://www.nrcs.usda.gov/programs/cig/index.html>. Source: Peter Murchie, U.S. Environmental Protection Agency (EPA), Region 10

SmartWay Seeks Nominations for 1st Annual SmartWay Excellence Awards

EPA's SmartWay Transport Partnership plans to recognize accomplishments of its partners who have helped to make the fledgling program a success. These awards are designed to recognize organizations that have made significant contributions to protecting the environment through their participation in SmartWay. EPA is accepting nominations for the SmartWay Excellence Awards through Friday, June 30, 2006. SmartWay Transport partners, affiliates, and individuals are eligible for consideration. The SmartWay Transport Partnership Annual Awards will be presented at the American Trucking Associations and NAEM (formerly National Association for Environmental Management) conferences in October 2006. For more information about the awards process, please visit <http://www.epa.gov/smartway/instructions.pdf>, or contact Annie Kee at kee.annie@epa.gov or (202) 343-9218.

ANNOUNCEMENTS OF FINANCIAL AWARDS

EPA Awards Grants to Two School Districts for Idling Reduction Efforts

EPA recently announced the award of \$7.5 million to 37 school districts around the country for cost-shared projects related to lowering diesel emissions in school bus fleets. Among the Clean School Bus USA grants were two for idling reduction efforts in Pinellas County, Florida, and the South Carolina Department of Education. Part of the \$150,000 grant to the School Board of Pinellas County will be used to carry out idling reduction strategies, while part of the \$499,099 grant to South Carolina will be used to conduct an idling reduction equipment pilot project. Further information is available at <http://www.epa.gov/cleanschoolbus/funding.htm> or by contacting Jennifer Keller at (202) 343-9541 or keller.jennifer@epa.gov.

Pennsylvania DEP Makes Award to Truck Stop for Idling Reduction

The Pennsylvania Department of Environmental Protection (DEP) has just invested \$3.7

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million in Alternative Fuel Incentive Grants, which are being matched by more than \$16 million in private funds. This program has recently been expanded so that DEP can fund projects at higher percentages of the total cost. This round of funding will provide \$137,864 to the Walt Whitman Truck Stop in Philadelphia to purchase and install the Shurepower system so that truckers can power heating and cooling units and small appliances without running their engines. For more information, please go to <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=3813&varQueryType=Detail>.

UPCOMING MEETINGS

Stakeholder Meeting for Houston-Galveston-Brazoria Area Slated for March 22

The Texas Commission on Environmental Quality (TCEQ) will be hosting a public stakeholder meeting on March 22, 2006, in Houston to discuss the status of the Houston-Galveston-Brazoria Area Non-Road Mobile and On-Road Mobile Control Strategy Development. The meeting will be held twice on that day and will cover both strategies. For more information, please go to <http://www.h-gac.com/HGAC/Departments/Transportation/Air+Quality/default.htm>. Source: Koy Howard, TCEQ

Fueling Economic Solutions to be Theme of Clean Cities Congress and Expo 2006

The Clean Cities Congress and Expo 2006 will be held in Phoenix, Arizona, on May 7-1 this year and will focus on "Fueling Economic Solutions." Among the sessions to be held will be one entitled "SmartWay Forward: Truckers Idle No More." With an expected 1,500 attendees and 75 exhibitors, this is the largest alternative fuel and vehicle technology gathering in the world, according to the conference website. For further information, please go to <http://www.afvi.org/PhoenixCongress2006/>.

CONGRESSIONAL UPDATE

Granger Re-Introduces House Bill for Anti-Idling Tax Credits

Rep. Kay Granger (R-Texas) has re-introduced legislation that would allow a 25-percent tax credit of up to \$1,000 for the purchase of idling reduction equipment for heavy-duty diesel trucks. By purchasing such equipment, the trucker could turn off the main engine and save fuel in heating and cooling the cab and running small appliances. Rep. Granger has unsuccessfully introduced this legislation in the past, and there is no guarantee that her Idling Reduction Tax Credit Act of 2006 will fare any better than her past efforts. Under the bill, the Environmental Protection Agency and the Secretary of Energy would certify which APU's meet appropriate standards to qualify for the tax credit. For more information, please go to <http://kaygranger.house.gov/news.asp?FormMode=Detail&ID=243>. Source: Transport Topics, <http://www.ttnews.com/members/topNews/0014731.html> and Land Line of February 7, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Feb06/020706.htm#4

ATA, OOIDA Endorse Granger Bill

Both the American Trucking Associations (ATA) and the Owner-Operator Independent Driver's Association (OOIDA) have endorsed the Idling Reduction Tax Credit Act of 2006

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introduced by Rep. Kay Granger (R-Texas). In Canada, FleetSmart already offers rebates on the purchase of approved anti-idling devices, such as APU's. For more information, please go to <http://www.truckline.com/NR/exeres/16FB130A-CB63-40A3-B699-8990D83AB803.htm> and http://www.landlinemag.com/todays_news/Daily/2006/Feb06/020706.htm#4.

REGULATORY NEWS

CARB Names New Chair

Dr. Robert F. Sawyer was appointed Chair of CARB in December 2005. Dr. Sawyer is Class of 1935 Professor of Energy Emeritus at the University of California at Berkeley, where he conducted extensive research and taught air-quality science, emissions control, energy conversion, and other subjects since 1966. He is also a partner in Sawyer Associates, an air-pollution consulting firm. Dr. Sawyer holds a Ph.D. in aerospace science and a Master of Arts degree in aeronautical engineering from Princeton University. In addition, he earned Master of Science and Bachelor of Science degrees in mechanical engineering from Stanford University. For further information, please see <http://www.arb.ca.gov/board/chair.htm>.

PRESENTATIONS NOW AVAILABLE

Presentations from Chesapeake Bay Foundation Idle Reduction Technology Workshop Up on Web Site

Presentations from manufacturers who spoke at the 1-day Idle Reduction Technology Workshop sponsored by the Chesapeake Bay Program and others on Monday, January 30, 2006, are now available at <http://www.chesapeakebay.net/calendar.cfm?EventDetails=6959&DefaultView=2&RequestDate=01/26/2006>

SMARTWAY NEWS

EPA, NATSO Reach Anti-Idling Agreement

EPA and the National Association of Truck Stop Operators (NATSO) are working on an agreement to reduce idling at truck stops. Paul Bubbosh, EPA Headquarters staff, said that EPA will encourage SmartWay carrier partners to use truck stops that join the SmartWay program. According to the draft agreement, a truck stop could join as a partner by designating "an idle-free zone for 50 percent of the truck parking lot," or by "deploy[ing] electrified parking spaces for 50 percent of the truck parking lot or at least 50 spaces" and making the rest of the lot an idle-free zone. For more information, please see Transport Topics Technology Briefs of February 21, 2006, at <http://www.ttnews.com/members/topNews/0014826.html#story3>.

EPA, Freight Industry Enumerate Environmental Successes and Fuel Savings

The 2-year old SmartWay Transport Partnership announced its joint successes with industry at the American Trucking Associations Winter Leadership Meeting in Tampa, Florida, this month. To date, SmartWay projects have saved 283.6 million gallons of fuel per year and expect to save 3.1 million tons of carbon dioxide, 22,000 tons of nitrogen oxide, and 800

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tons of particulate matter on an annual basis by 2007. These fuel savings and emissions reductions translate to the equivalent of emissions from nearly 550,000 cars or about 390,000 homes heated in the United States. SmartWay also welcomed the signing of the 300th SmartWay partner, Dupré Transport at the meeting. The number of partners has increased almost six-fold since the program's launch. Partners include truck carriers, freight shippers, and rail carriers, among others. For more information, please see <http://yosemite.epa.gov/opa/admpress.nsf/a8f952395381d3968525701c005e65b5/9d1d0d1c717ee50685257114006c6f4!OpenDocument>. Source: Roxanne Smith, EPA Headquarters

TRUCK STOP ELECTRIFICATION

IdleAire Begins Growth Spurt

As a result of a \$320 million bond issue (see January 2006 newsletter), IdleAire has begun its expansion program. IdleAire will be installing its technology at 210 new locations, starting with the Pilot Travel Center in Laredo, Texas, and the Travel Centers of America truck stop in New Braunfels, Texas. The company is seeking approvals for plans to install its equipment at CalArk's terminals in Laredo and Mabelvale, Arkansas, and at Arrow Trucking's terminal in Tulsa, Oklahoma. For more information, please go to http://fleetowner.com/news/idleaire_install_022406/ or <http://www.idleaire.com>.

PUBLICATIONS

ATRI Releases Survey of Fleet Preferences for Idling Reduction Technology

The American Transportation Research Institute (ATRI), the trucking industry's not-for-profit research organization, has released its survey on the idling habits of more than 55,000 trucks. The survey provides a fairly comprehensive profile of idling of heavy-duty trucks and their use of idling reduction technologies. The report was prepared for NYSEERDA using funding from the U.S. Department of Energy Clean Cities Program. The results were unveiled in Tampa, Florida, at the 2005 Winter Leadership Meeting of the American Trucking Associations.

The "Idle Reduction Technology Fleet Preferences Survey" presents trucking company views on several idling-related topics and includes impacts of idling regulations and current and future planned use of idling reduction technologies. Participants have already spent more than \$8.8 million equipping sleeper cabs with on-board idling reduction technologies. Over the next 5 years, participants are expected to spend an additional \$56 million to further deploy these technologies. According to the report, trucking companies seem to be investing more in idling reduction technologies. In general, users seem to be satisfied with the performance of these technologies, although costs appear to be higher than most are willing to pay. Nevertheless, the use of idling reduction technologies is expected to expand. For more information, please go to <http://atri-online.org/research/results/Idle%20Reduction%20Technology%20Fleet%20Preferences%20Survey.pdf>. Source: Mike Tunnell, ATRI



Four Reports on Truck Stop Electrification Now Available on NYSERDA Web Site

NYSERDA has sponsored and completed several demonstration projects dealing with truck stop electrification, and there are now three reports on their website discussing the data from IdleAire and Shurepower demonstration projects in New York State. The fourth report deals with electrified trailer refrigeration units. The oldest, from September 2004, is titled "Installation and Economics of a Shorepower Facility for Long-Haul Trucks." In January 2005, NYSERDA published "Summary of Operations: Truck Stop Electrification Facilities on the New York State Thruway." In June 2005, the agency published "Electric-Power Trailer Refrigeration Unit Market Study and Technology Assessment." Lastly, this past December, NYSERDA released "Summary of Operations: Fleet Demonstration of Shorepower Truck Electrified Parking on the I-87 Northway." For more information, please go to <http://www.nyserdera.org/publications/default.asp>, and look for "R&D Technical Reports – Transportation." Source: Linda Gaines, Argonne National Laboratory

OTHER NEWS OF INTEREST

New Oregon APU Service Center to Open

The Oregon Department of Energy (ODOE) has recently provided a State energy loan of \$860,000 to the Lane Regional Air Pollution Authority (LRAPA) to pay for installation of APU's in more than 100 trucks. LRAPA also took advantage of a tax credit of \$360,000 to offset project costs. ODOE will provide an additional State energy loan of \$2.5 million to install another 250 APU's. As a result, within the coming month, the Energy and Engine Technology Corporation will open an installation center in Portland. The company will conclude three agreements with dealers this week, with each dealer committing to buy between 3 and 500 units a year. The installation and sales will generate 30 new jobs in the first year alone. The initial investment will save an estimated 216,000 gallons of diesel fuel a year, about \$500,000 at current fuel prices. Ultimately, follow-on investments will save nearly 600,000 gallons of diesel fuel annually, nearly \$1.5 million at current prices. For more information, please go to <http://www.bend.com>. Source: Joe Tario, NYSERDA

Neighbors Satisfied with No-Parking Policy at Ohio Wal-Mart

Residents who live near a Wal-Mart Supercenter in Canal Winchester, Ohio, seem pleased that trucks are no longer idling in the parking lot overnight and on weekends. In response to neighbors' complaints, Wal-Mart posted signs forbidding parking, and as a result, trucks have not been parked or idling for the past month. For more information, please go to <http://www.thisweeknews.com/thisweek.php?edition=CanalWinchester&story=thisweeknews/022306/CanalWinchester/News/022306-News-101699.html> or http://www.landlinemag.com/todays_news/Daily/2006/Jan06/013106.htm#8.

Toronto Residents Fuming Over Idling Vehicles

Torontonians will have to wait until fall 2007 to get relief from idling vehicles. At that time, city vehicles and Toronto Transit Commission (TTC) buses will have devices installed that will automatically turn off vehicles that idle for more than 3 minutes. Until that time, bylaw officers are providing hit or miss enforcement of the anti-idling law, for which

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violators could be subject to fines of up to Cdn\$5,000. Under the bylaw, drivers are prohibited from idling their vehicles for more than 3 minutes, except when temperatures are above 27°C (81°F) or below 5°C (41°F). For more information, please go to http://www.nowtoronto.com/issues/2006-02-02/news_cityinbrief_p.html. Source: Darlene Varaleau, Repair Our Air

Idling Passenger Vehicles in the Yukon to be Focus of New Study

Natural Resources Canada (NRCan) is looking into why residents of the Yukon tend to idle their passenger vehicles more than in other parts of Canada. Early indications are that public education is needed to convince drivers that modern automobile engines no longer need extensive idling time to warm up. As part of its One-Tonne Challenge, NRCan provides tips on ways to save fuel during the winter and reduce greenhouse gases, such as using block heaters to warm the engine, minimizing the use of remote starters, and driving slowly for a few minutes instead of idling the engine. Further information is available at <http://www.climatechange.gc.ca/onetonne/english/tips/wintertips.asp>. Source: Darlene Varaleau, Repair Our Air

EPA Launches Another Diesel Emissions Collaborative

Following the pattern of the very successful West Coast Diesel Collaborative along the I-5 corridor, the Central States have formed the Blue Skyways Collaborative focusing on I-35. This Interstate runs through the Nation's midsection to both Canada and Mexico. The public-private partnership aims to cut diesel emissions from trucks, construction equipment, and farm machinery; to implement the use of alternative energy sources; and to look for innovative ways to curb pollution everywhere from rail yards to airports. While there is about \$9.3 million for various projects, the Collaborative itself is largely unfunded. Eight of the States in EPA's Regions 6 and 7 plus Minnesota, Mexico, and Canada are participating in this initiative. Truck stop electrification and using hybrid switcher locomotives were among the subjects of discussion at the 2-day kick-off meeting. For more information, please go to http://enn.com/today_PF.html?id=9900 and <http://www.radioiowa.com/gestalt/go.cfm?objectId=83D1146C-1BF7-4020-94EB920F15CCF437>. Source: Jeff Kim, Shurepower

RAILROAD NEWS

BNSF Holds Community Forum in Barstow

In June 2005, Burlington Northern Santa Fe (BNSF) Railway, Union Pacific Railway, and CARB signed a Memorandum of Understanding (MOU) that would significantly reduce diesel fuel emissions near California rail yards. As part of that agreement, which also requires getting input from local communities and providing information to citizens near the rail yards, BNSF recently held a public forum in Barstow, California, to provide information and hear from affected residents. BNSF laid out its plans to lower toxic emission from diesel engines. One of the major goals of the MOU is for the railroads to create a State-wide idling reduction program, which uses idling reduction devices and trains employees not to idle locomotives any longer than necessary. BNSF solicited help from the community in terms of reporting idling locomotives that are idling for long periods of time. For more

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information, please see <http://www.desertdispatch.com/2006/113638515566953.html>. Source: Joe Tario, NYSERDA

SCHOOL BUSES

12 Pima County School Districts Aim to Reduce Bus Idling

After the success of the School Bus Idling Pilot Program run by the Arizona Department of Environmental Quality, the program has become a Statewide one. Initially there were 7 school districts of which three were in the Tucson area; now 9 more Pima County districts have adopted the policy to reduce the amount of time that school buses idle on campus and have been joined by roughly 140 around Arizona. Key elements of the School Bus Idling Program include having drivers turn off buses upon reaching a school or other location and not turning on the engine until the vehicle is ready to depart; parking buses at least 100 feet from a school air intake system; and posting appropriate signage advising drivers to limit idling near the school.

In April or May of this year, the Pima County School District will extend the minimal idling policy to all district vehicles. Signs will be posted encouraging both drivers of school buses and delivery trucks not to leave their vehicles running any longer than necessary. Parents will also be encouraged to follow this policy. For more information, please go to <http://www.azdeg.gov/function/news/2006/feb.html#0209c>. Source: Joe Tario, NYSERDA

NEWS ABOUT PORTS

Port of Los Angeles Leases to Reduce Emissions

On February 2, 2006, the Los Angeles Board of Harbor Commissioners announced that all new leases at the Port of Los Angeles (POLA) would contain emission-reduction provisions. POLA would require the use of clean Alternative Maritime Power (AMP, or cold-ironing technology), as appropriate, dockside so that ships would be able to plug into shore-side electric power and avoid the need to idle. Provisions of this new leasing policy, particularly ones pertaining to environmental programs, will be addressed not only at the creation of leases, but during the regular review periods of all leases, typically every 2-5 years. The full text of Port of Los Angeles Leasing Policy can be found on the Port's web site at http://www.portoflosangeles.org/DOC/POLA_Leasing_Policy_020106.pdf. The International Longshore and Warehouse Union (ILWU) has come out in favor of this effort and plans to work with the companies that employ the "greener" approaches to reducing emissions and saving fuel. More information on the ILWU position is available at <http://www.ilwu.org/press/2006/upload/ILWU%20Green%20Ports%20Media%20Alert%20for%201-30-06.pdf>. Source: Brewster Boyd, Ross & Associates Environmental Consulting

MANUFACTURERS' NEWS

RigMaster Opens Second Manufacturing Plant

RigMaster Power Corporation announced that it will be opening a second manufacturing facility to build its RigMaster® Power APU. Operating under the name RigMaster Power Inc.,



this new facility will be located in Olathe, Kansas, and will dramatically increase the amount of RigMaster® Power APU's produced each year. The Olathe location is set to begin production in early March 2006 and will also house the RigMaster Parts Distribution for North America. This will make it easier for RigMaster's rapidly expanding dealer and customer base to obtain parts and service. For more information, please go to <http://www.rigmasterpower.com/files/pr/PR%20-%20RigMaster%20Opens%202nd%20Manufacturing%20Facility.pdf>.

Carrier Deltek Receives Technical Achievement Award

Carrier Transicold's new Deltek hybrid diesel electric technology platform has received an award for technical achievement from the Truck Writers of North America, a group made up of press representatives serving the transportation business market. The award was presented during the 2006 Annual Meeting of the Technology and Maintenance Council (TMC) and Transportation Technology Exhibition in Tampa, Florida. First introduced as the Vector 1800MT unit with multi-temperature capability for grocery and foodservice distribution, Deltek technology uses a diesel engine to generate electricity to power all the cooling and heating functions of the refrigeration system. Replacing the open-drive refrigeration compressor with a semi-hermetic electric compressor greatly reduces maintenance requirements for the entire unit, Carrier Transicold says. For more information, please go to <http://www.trucktrailer.carrier.com/Files/TruckTrailer/Local/US-en/trucktrailer/DeltekTechAward.pdf>. Source: Jeff Kim, Shurepower

Delphi to Display SOFC APU at TMC Annual Meeting

Among the 300+ exhibitors at the 2006 Annual Meeting of the TMC and Transportation Technology Exhibition was a solid oxide fuel cell (SOFC) APU from Delphi Corporation. This equipment is a high-efficiency, environmentally friendly device that will use an electrochemical process to convert the chemical energy in conventional vehicle fuels, such as diesel fuel and gasoline, directly into useful electrical power. The SOFC APU is compact, quiet, and a low emissions alternative to diesel engine APU's and other idling reduction devices. This APU will make it possible to power other electrical and electronic devices in the vehicle without operating the primary engine or plugging into shore power at rest stops or truck stops. The Delphi system will also be able to power current belt-driven vehicle systems, such as engine cooling fan or the water pump, thus removing those loads from the primary engine. The U.S. Department of Energy supported the research and development on the SOFC system during FY 2005. For further information, please see <http://delphi.com/news/pressReleases/pr70524-02082006>. Source: Joe Tario, NYSERDA

Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Clean Cities Web Site Now Offers TSE Locator

The Pennsylvania Department of Environmental Protection (DEP) has just invested \$3.7 million in Alternative Fuel Incentive Grants, which are being matched by more than \$16 million in private funds.

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

Editor

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SOLICITATIONS

EPA Region 6 Asks for Proposals for Regional Geographic Initiative

The U.S. Environmental Protection Agency (EPA) requests proposals for Regional Geographic Initiative (RGI) projects in Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. The RGI funds unique, geographically based projects that fill critical gaps in EPA's ability to protect human health and the environment by fostering and supporting community-driven approaches to long-term, sustainable solutions to environmental challenges. The agency expects \$300,000 to be available and plans to make up to 10 awards. Responses are due on Friday, February 24, 2006. For more information, please contact Margie Floyd, EPA, at (214) 665-8461, or go to <http://www.epa.gov/earth1r6/gandf/> and look at Solicitation# EPA-R6-RGI-2006-01. Source: Laurie Brown, DOE Western Regional Office

ATRI Looks for Teams to Demonstrate Mobile Idle Reduction Technologies

The American Transportation Research Institute (ATRI) recently released a request for proposals (RFP) seeking project teams to demonstrate and evaluate mobile idling reduction technologies on heavy-duty trucks. These technologies may be either installed as part of the truck manufacturing process or prior to the truck's being placed in service. Project teams must consist of a trucking fleet, a truck manufacturer, and an idling reduction technology vendor. A total of \$350,000 is expected to be awarded. Interested parties must submit proposals no later than 5:00 p.m. EST on Wednesday, March 1, 2006. To obtain a copy of the RFP, please visit <http://www.atri-online.org>. Questions can be directed to Mike Tunnell at (916) 373-3534 or to atriRFP@trucking.org. Source: Mike Tunnell, ATRI

Ohio Department of Development Releases RFP for TSE

The Ohio Department of Development (ODOD) has released an RFP seeking companies to outfit Ohio truck stops with equipment to reduce engine idling. The State is looking to award \$400,000 to one or more businesses that supply and install truck stop electrification (TSE) facilities for up to 50 spaces at truck stops. The successful bidder(s) would collect and report data on the utilization of the electrified parking spots, participate in a case study about the effectiveness of the project, and match the grant funds with at least 50 percent in cost sharing. A bidders' public meeting will be held on Friday, February 24, 2006, in Columbus, and proposals are due on Wednesday, March 22, 2006. More information, applications, and details about the RFP are available at <http://www.odod.state.oh.us/cdd/oe/Transportation.htm>. ODOD expects to select the winning bidder(s) in early summer and have the new facility open before the end of 2007. Source: Joe Tario, New York State Energy Research and Development Authority (NYSERDA)

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EPA Announces \$3 Million Collaborative Diesel Emissions Reductions RFP

The West Coast Collaborative has released a \$3 million RFP for projects that will demonstrate new, innovative, or experimental applications, technologies, methods, or approaches to reducing diesel emissions as part of the West Coast Collaborative. There will be a teleconference for questions and answers relating to the RFP on Monday, February 6, 2006, at 1 p.m. PST, and the proposals are due to EPA Region 10 in Seattle, Washington, on Thursday, March 23. EPA expects to award up to 12 grants ranging from \$50,000 to \$500,000. You can find further information about this RFP at

<http://yosemite.epa.gov/R10/AIRPAGE.NSF/grants/WCC+RFP> or

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=7737>. Source: Peter Murchie, EPA Region 10

USDA Opens Solicitation for Conservation Innovation Grants Program

The U.S. Department of Agriculture (USDA) requests proposals for its Conservation Innovation Grants Program (CIG). The purpose of CIG is to stimulate the development and adoption of innovative conservation approaches and technologies while leveraging Federal investment in environmental enhancement and protection, in conjunction with agricultural production. USDA expects \$20 million to be available for up to 50 awards. Responses are due on Monday, March 20, 2006. For more information, please contact Kari Cohen at (202) 720-2335 or go to <http://www.nrcs.usda.gov/programs/cig> and look for Solicitation#USDA-GRANTS-010606-001. Source: Laurie Brown, DOE Western Regional Office

ANNOUNCEMENTS OF FINANCIAL AWARDS

Pennsylvania Small Business Advantage Awards Fund More Idling Reduction Equipment

The Pennsylvania Department of Environmental Protection (DEP) makes awards on a rolling basis for its Small Business Advantage Program. A press release on January 9, 2006, announced a new round of 19 awards totaling \$116,000. Two of these awards totaling \$9,102 were made for the cost-shared purchase of auxiliary power units (APU) for long-haul tractor-trailers.

Small Business Advantage grants provide a 50-percent match of up to \$7,500 for equipment or processes that reduce energy consumption and promote pollution prevention while increasing profitability. The program, which was launched in July 2004, has been extremely popular, awarding more than \$1 million to more than 400 recipients across the Commonwealth.

The program has been so successful that although it was expected to close on January 6, 2006, the DEP stopped receiving applications in November 2005 due to the vast number of requests for funding. The first round of grants last year closed 5 months before its scheduled deadline for the same reason. The next grant round for Small Business Advantage is expected to open July 1, 2006. For more information, please go to <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=3772>.



Idling Equipment Manufacturer Wins Pennsylvania Clean Energy Project Grant

The Pennsylvania DEP has recently awarded a \$287,133 grant to the Lawrence County Economic Development Corporation to help Star Class, a manufacturer of custom-built truck sleepers, upgrade and expand its manufacturing plant in New Castle to increase production of APU's for idling trucks. This Clean Energy Project Grant is one of 25 projects receiving a total of \$8.5 million in grants and loans. For more information, please see <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=3776&varQueryType=Detail>.

CONFERENCES, MEETINGS, AND WORKSHOPS

CARB to Hold Three Public Meetings on Goods Movement Activities

The California Air Resources Board (CARB) plans to hold three public meetings in February to hear comments on concepts to improve and expand the infrastructure (roads, railways, and ports), strategies to cut air pollution from ports and goods movement, approaches to mitigate community impacts, and funding mechanisms to accomplish these goals. As part of developing a Goods Movement Action Plan for California, CARB staff has released a draft Emissions Reduction Plan for Ports and International Goods Movement, which is available at <http://www.arb.ca.gov/planning/gmerp/gmerp.htm>. The first three meetings will be held on Monday, February 6, 2006, in Wilmington; Wednesday, February 22, in Commerce; and Monday, February 27, in Oakland. Additional meetings will be held in Long Beach, Mira Loma, San Diego, and Fresno in the near future. If you have any questions, please contact Cynthia Marvin at (916) 322-5350 or Gwen Strivers at (916) 323-5404.

Western Riverside County Clean Cities Coalition Co-Hosts "Advancing the Choice" on February 9

The Moreno Valley (California) Conference and Recreation Center will be the site of the 9th Annual "Advancing the Choice and Expo" workshop. This 1-day event is sponsored by the Western Riverside County Clean Cities Coalition and the City of Moreno Valley. "Advancing the Choice" conferences have provided both an excellent opportunity for showcasing new technology and research, and serve as a forum for interaction between the public and private sectors with respect to alternative fuels and advanced technology vehicles in their communities. Light- to heavy-duty vehicles will be on display during the course of the meeting. For more information, please contact Rick Bishop at (951) 955-7985 or Barbara Spoonhour at (951) 955-8313. *Source:* Rosa S. Washington, Western Riverside County Clean Cities Coalition

First Meeting of Carl Moyer Advisory Group Set for February 9

CARB staff has revised the existing Carl Moyer Program guidelines to address new statutory requirements. The guidelines were approved by the Board on November 17, 2005. As a result, the Program has established an advisory group, and the first meeting of this group will be held in Sacramento on Thursday, February 9, 2006. Information regarding these revisions, such as public workshops and presentations, may be found at <http://www.arb.ca.gov/msprog/moyer/guidelines/revisions05.htm> and http://www.arb.ca.gov/msprog/moyer/advisory_grp/msc0602.pdf.

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If you have questions regarding either the meeting or the advisory group, please contact Andrew Panson at (916) 323-2881 or apanson@arb.ca.gov.

Port of Duluth Clean and Efficient Goods Movement Workshop Set for February 22

The Duluth Seaway Port Authority and EPA are among the sponsors of a 1-day workshop on Wednesday, February 22, 2006, in Duluth, Minnesota, to address the issues of diesel emissions from trucks, locomotives, waterborne vessels, and cargo-handling equipment at ports. Registration is \$15 and closes on Wednesday, February 15. Further information and the registration form are available at <http://www.duluthport.com/epaconf2.html>. Source: Julie Magee, EPA Region 5

Kick-Off Meeting of Mid-Atlantic Diesel Collaborative to be February 28

The first public meeting of the Mid-Atlantic Diesel Collaborative, "Diesel Directions – A Workshop," will be held on Tuesday, February 28, 2006, in Washington, D.C. This 1-day meeting will have presentations from representatives of the EPA National Clean Diesel Campaign and SmartWay Transport Partnership, an overview of the Collaborative mission and purpose, diesel manufacturers' forum, financial support and funding opportunities, and breakout sessions. The Mid-Atlantic Diesel Collaborative is a new partnership among leaders from Federal, State, and local governments; the private sector; and environmental groups in Delaware, Maryland, Virginia, Pennsylvania, West Virginia, and the District of Columbia. The Collaborative is part of an overall national campaign to reduce diesel emissions. Please visit <http://www.epa.gov/reg3artd/workshop/dieseldirections.htm> to register and view associated materials.

Michigan Clean Fleet Conference on March 22 to Focus on Cleaner Air, Higher Fuel Economy, and Saving Money

NextEnergy, EPA, and the Michigan Departments of Environmental Quality and Labor and Economic Growth - Energy Office will present a 1-day conference to educate public and private fleet managers, public officials, trucking companies, school districts, and other stakeholders on the various strategies, fuels, and technologies available in the marketplace to assist fleets in conserving fuel, decreasing emissions, and saving money. The meeting will be held in Detroit, Michigan, on Wednesday, March 22, 2006. The early registration fee of \$25 is due by Friday, March 10; after that date, the fee increases to \$35. On-line registration is available at <http://www.michigan.gov/deqworkshops>; please select "Upcoming Workshops" to go to the form. For more information, please go to http://www.michigan.gov/deq/0,1607,7-135-3308_3333_4169---,00.html. Source: Julie Magee, EPA Region 5

REGULATORY NEWS

Georgia Plans to Set New Idling Limits

According to the January 4, 2006, issue of *Land Line*, environmental officials in Georgia plan to draft a Statewide rule sometime this month that would introduce idling limits for diesel engines. The *Macon Telegraph* reported that the regulation could limit idling times to less than 15 minutes and could also offer incentives to long-haul truckers to avoid idling. The Georgia Environmental Protection Division (EPD) was scheduled to draft the rule in August



2005, but fuel shortages caused by Hurricane Katrina made it necessary to postpone any new fuel or transportation requirements, the *Telegraph* reported. Even though a draft is expected in January, it could still be several months before any final rule is set in place.

William Cook, EPD Engine and Fuels Unit Manager, told the *Telegraph* that the EPD hopes to convene a stakeholders meeting in February or March to discuss parameters for the rule. Cook said local governments would likely have to adopt rules reflecting the State legislation, which would then allow the local authorities to enforce the law. For more information, please go to http://www.landlinemag.com/todays_news/Daily/2006/Jan06/010406.htm and <http://www.macon.com/mld/macon/news/local/13520880.htm>. Source: Jeff Kim, Shurepower

TRUCK STOP ELECTRIFICATION

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site now displays the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations are listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html. Source: Shelley Launey, DOE

IdleAire Secures Financing For 35-State, 210-Location Network

On January 4, 2006, IdleAire Technologies Corporation of Knoxville, Tennessee, announced the sale of \$320 million of discount notes and warrants that will fund the company's next major growth phase over the next 15 months. Proceeds will allow for the installation of approximately 13,200 parking spaces in about 210 locations in up to 35 States. The company plans to add its idling reduction technology in a "network" of approximately 160 travel centers (truck stops) and 50 truck fleet terminals strategically selected for their size, convenience along key freight corridors, quality of driver amenities, and average daily/monthly number of idling trucks. Construction will begin immediately at key sites with IdleAire's nationwide travel center partners – TravelCenters of America, Petro Stopping Centers, and Pilot Travel Centers – as well as sites owned by smaller chains and independently owned travel centers.

According to the *Knoxville News-Sentinel*, the IdleAire expansion would create 2,000 full- and part-time jobs, mostly at IdleAire installations across the country. Some new employees would also be hired at the company's corporate offices in West Knoxville, Tennessee. For more information, please go to http://www.idleaire.com/newsroom/releases/01_04_2006.jsp, http://www3.knoxnews.com/kns/business/article/0,1406,KNS_376_4361158,00.html, and http://www3.knoxnews.com/kns/business/article/0,1406,KNS_376_4364148,00.html.

Source: John Doty, IdleAire

Shurepower to Install and Operate Electrified Loading Docks

NYSERDA has recently awarded a cost-shared contract to Shurepower, LLC, for the installation and operation of electrified loading docks and parking spaces for heavy-duty

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diesel trucks and refrigerated trailers. With co-funding from the U.S. Environmental Protection Agency's SmartWay Transport Partnership, this project seeks to demonstrate electric-powered trailer refrigeration units (TRU's) and document their ability to reduce air pollution, noise, and diesel fuel use.

Located at the Maines Paper & Food Service, Inc., distribution facility in Conklin, New York, the demonstration project is the first of its kind to supply grid power to over-the-road electric hybrid TRU refrigerated trailers. New West Technologies, LLC, will be assisting Shurepower in the project by providing engineering expertise. Shurepower will work with the New York State Electric & Gas Corporation, which will provide three-phase power to the site. Designated loading docks, along with parking spaces that serve as staging areas for the trailers, will be electrified. Ten demonstration trailers manufactured by Great Dane Trailers will be outfitted with Carrier-Transicold TRU's equipped with Deltek hybrid diesel electric technology that can be directly powered by electricity. Truck tractors, supplied by Penske Truck Leasing Co., will be retrofitted to allow for shore power plug-in capability for sleeper cab comfort. *Source:* Joe Tario, NYSERDA

Final Report Now Available on 3-Year Truck Electrified Parking Project

NYSERDA has recently posted a final report on its website that describes a shore power truck electrified parking demonstration project located on Interstate 87 in New York State. The 3-year project used the Shurepower pedestal plug-in system, which allows drivers to connect to an electrical outlet (receptacle) by swiping a magnetically encoded user card and entering the desired parking space number at the payment kiosk. The system was designed to monitor utilization parameters including time of use, energy used, user identification, and weather. NYSERDA, the New York Department of Transportation, and the U.S. Department of Energy Oak Ridge National Laboratory were the sponsors of the project. For more information, please go to <http://www.nyserdera.org/publications/I87TSEDemonstrationReportDec05.pdf>. *Source:* Joe Tario, NYSERDA

SCHOOL BUS NEWS

Two North Carolina School Districts Restrict Idling Vehicles

To reduce emissions and conserve gas, both Cabarrus County and Kannapolis City Schools in North Carolina approved anti-idling policies at their board meetings in mid-December 2005. North Carolina required all State school districts to approve the policies before it allocates supplemental fuel funding in early January. Set for enforcement on January 3, 2006, Cabarrus will require the policy for every vehicle on school grounds, from buses to parents waiting in car riders' lines, while Kannapolis' policy will apply to bus drivers and to service delivery vehicles. Cabarrus school bus drivers will be prohibited from unnecessarily idling their bus engines and warming up buses for longer than 5 minutes on school grounds or other locations. School bus drivers and school personnel must follow the policy when transporting students to and from school, extracurricular activities, field trips and other school-related activities. The schools will also establish "no idling" zones where parents wait to pick up their children after school. For more information, please go to http://www.independenttribune.com/servlet/Satellite?pagename=CIT/MGArticle/CIT_BasicArticle&c=MGArticle&cid=1128768788617. *Source:* Kristen Gifford, Diesel Technology Forum



MassDEP Fines Two School Bus Companies \$12,000

Two school bus companies serving school systems in Massachusetts have been assessed a total of \$12,000 in penalties by the Massachusetts Department of Environmental Protection (MassDEP) after inspections determined that buses operating in Boston and Dudley were idling excessively and needlessly exposing children to air pollution. Three other companies were also cited for idling violations.

First Student, Inc., with offices located in Hanson, has paid a \$10,000 penalty after MassDEP inspectors observed the firm's buses idling longer than 5 minutes last spring at the Murphy School in Dorchester, the Blackstone School in Boston, and at the company's bus yard in Charlestown. Laidlaw Transit, Inc., which operates the school bus fleet for the Shepard Hill Regional High School in Dudley, faces a \$2,000 penalty after MassDEP observed excessive idling of the company's buses outside the regional school last spring.

The fines against First Student and Laidlaw Transit resulted from the third round of inspections of school bus companies conducted last spring by MassDEP. In all, inspectors checked 400 buses at 32 schools and found 11 violations of the State's 5-minute anti-idling law. During the Statewide crackdown that began in the fall of 2004, inspectors observed 1,084 buses at 91 schools and found 58 idling violations.

Each of the bus companies found to be in violation of the idling regulation must commit to operating within the law, train new and veteran drivers on an annual basis about the requirements of the idling regulation and the health issues concerning diesel fuel exhaust, and they must submit a report to MassDEP on the actions taken to comply with the law. Bus company compliance rates improve significantly as MassDEP has trained more school bus drivers. For more information, please see <http://www.mass.gov/dep/public/press/busidlee.htm>. Source: Julie Ross, MassDEP

RAILROAD NEWS

Guilford Rail System to Install APU's

According to the *Morning Sentinel*, a State Committee on Transportation meeting in Augusta, Maine, brought out both citizens angry at the Guilford Rail System and the excessive idling of its locomotives and a representative from the company. The hearing was a result of seven Maine legislators who sponsored a bill to limit idling of locomotives. The railroad announced that it is taking steps to reduce the mechanical need of its 100 locomotives to idle for long periods of time by installing an APU from EcoTrans Technologies. Eventually, Guilford plans to have APU's on its trains to reduce both idling time and emissions. The units cost about \$30,000 each, and the railroad installed the first one on a train in mid-January. However, the cost and length of time to install each unit could mean that it would be years before the each locomotive in the fleet is equipped with an APU. For more information, please go to <http://morningsentinel.mainetoday.com/news/local/2363583.shtml>. Source: Joel Elliott, *Morning Sentinel*



Report on Vancouver, Washington, Locomotive Idle Reduction Project Now Available

In April 2003, EPA awarded a grant of \$85,000 to the Southwest Clean Air Agency in Vancouver, Washington, to evaluate the emission reductions and fuel savings of a Class I railroad using a combined auxiliary engine idle reduction technology and automatic shut-down/start-up technology. The 17-page case study on this project, "Vancouver, WA Switchyard Locomotive Idle Reduction Project," is now available on the EPA SmartWay Transport Partnership web site at <http://www.epa.gov/smartway/idle-demo.htm>. For more information on the project, please contact Paul Mairose at the Southwest Clean Air Agency at (360) 574-3058, ext. 30, or paul@swcleanair.org. Source: Elizabeth Lonoff, EPA

Union Pacific Seeks Bids for 60 Low Emission Gen-Set Switchers

Union Pacific Railroad is testing an environmentally friendly prototype diesel locomotive and is asking for bids to build 60 for use in Los Angeles Basin rail yards. This is part of the railroad's ongoing efforts to continue reducing air emissions in cooperation with Federal, State, and local environmental agencies.

The 2,100-horsepower locomotives are called "Generator-Set," or "Gen-Set," switchers. Each locomotive would be powered by three 700-horsepower, low-emission off-road diesel engines projected to reduce emissions by up to 80 percent, while using as much as 40 percent less fuel compared to current low-horsepower locomotives. Union Pacific began studies and tests of a Gen-Set switcher locomotive in 2002. That prototype locomotive is working in Los Angeles, Calif. Union Pacific expects to receive 30 of the new low-emission, low-horsepower locomotives in 2006, with the remaining 30 in 2007. These locomotives will be used to serve customers and sort rail cars for outbound trains. For more information, please see http://www.uprr.com/newsinfo/releases/environment/2006/0119_genset.shtml. Source: Joe Tario, NYSERDA

OTHER NEWS OF INTEREST

New ACEEE Report Advocates More Funding for Truck Idling Reduction Technologies

The American Council for an Energy-Efficient Economy (ACEEE) recently released a report entitled, "Reducing Oil Use through Energy Efficiency: Opportunities beyond Cars and Light Trucks." The findings of the report show how freight trucks, the industrial sector, and buildings could save substantial amounts of oil. Among the recommendations in the 45-page document is the need, in their view, for more funding for idling reduction technologies for trucks in order to reduce energy use by that sector of the economy. The report can be downloaded for free at <http://aceee.org/pubs/e061.htm> or purchased for \$20 plus \$5 for shipping and handling for a hard copy from ACEEE. Source: Joe Tario, NYSERDA

LRAPA "Everybody Wins" Program Starts Phase 2

In Lane County, Oregon, the "Everybody Wins" auxiliary power unit (APU) installation program that was developed by Lane Regional Air Pollution Authority (LRAPA) in late 2004 has recently completed Phase 1. The project goal of 100 APU installations for trucks using



the Interstate 5 corridor in Oregon was reached in December 2005. The program has attracted attention from more APU manufacturers, and has increased awareness of idling reduction technologies among the tens of thousands of drivers who use the Interstate 5 corridor in the western States.

The success of the program has spurred the creation of "Everybody Wins – Phase 2," which has also earned LRAPA a \$500,000 EPA grant for a "Truck Idle Reduction Technology Demonstration Program." The purpose of the grant is to demonstrate and evaluate how APU's reduce emissions from idling trucks. The goal of the project is to provide a low-cost, lease-to-own opportunity for truckers to purchase approximately 250 more APU's. All manufacturers with commercially available APU technology in Oregon will be invited to participate in a market-based approach. LRAPA will work with APU manufacturers and installers to continually improve the ability of the industry to effectively penetrate the growing APU market of small fleet and owner-operator drivers. The LRAPA programs continue to generate interest from different idling reduction equipment manufacturers, and it is anticipated that new companies and new products will become available as the program develops.

The conclusion of the project will be a case study report to the EPA after the collection of a year's worth of data on the use of the APU's, a report that will then be showcased to publicize the use of the idling reduction technology to the trucking industry. For more information, please visit http://www.lrapa.org/projects/everybody_wins/. *Source:* Gordon Griffith, LRAPA

Schneider Introduces Fuel-Saving Leasing Program

Schneider National Inc., a large trucking company, recently announced that it is bolstering its Owner-Operator Success Lease Program so that all new units leased or sold by Schneider Finance will include Thermo King TriPac heating and cooling units in aerodynamic Freightliner Century, Kenworth T2000, Volvo 780, and Peterbilt 386 and 387 tractors. The TriPac unit will also be installed on Schneider Finance's low-mileage used tractor inventory. By pairing TriPac units with aerodynamic tractors, owner-operators could see a \$500-\$700 fuel savings each month by cutting idling, and as much as a mile per gallon fuel economy improvement — which could mean up to \$1,000 per month of fuel savings at current prices, according to Schneider. For more information, please go to <http://www.schneider.com>. *Source:* Joe Tario, NYSERDA

Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further

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information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated. The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

Editor

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SOLICITATIONS, FUNDING OPPORTUNITIES, AND AWARDS

ETV Greenhouse Gas Technology Center Solicits Technology Vendors

Under contract to the U.S. Environmental Protection Agency (EPA), the Greenhouse Gas Center of the Southern Research Institute (SRI) is soliciting collaborators and vendors of on-board idling reduction technologies for medium- and heavy-duty diesel trucks for independent performance verification testing. Interested vendors and/or partners should contact Tim Hansen, SRI, at (919) 806-3456 or hansen@sri.org. Source: <http://www.epa.gov/etop/news/>

Wisconsin to Start Grant Program for On-Board Idling Reduction Equipment for Trucks

The Wisconsin Diesel Truck Idling Reduction Grant Program will begin on July 1, 2006. It will provide grants to freight motor carriers headquartered in Wisconsin for 70 percent of the cost of idling reduction units installed on the carrier's truck tractors equipped with a diesel engine from model year 1998 or newer. The program is designed to award \$1 million per year in grants for 5 years. Funding for the program comes from the Wisconsin Petroleum Inspection Fund, which is imposed on petroleum products brought into the State. Further information about this program is available at

http://www.legis.state.wi.us/lc/2_PUBLICATIONS/Other%20Publications/Reports%20By%20Subject/Environment%20and%20Natural%20Resources/IM05_02.pdf

Shurepower Wins Pennsylvania Energy Harvest Grant

In last month's press release from the Pennsylvania Department of Environmental Protection (DEP) about its Energy Harvest Grant awards, your intrepid editor overlooked the award of a \$107,000 grant to the Clean Air Council to install Shurepower anti-idling pedestals at 20 truck parking places in Philadelphia. Other partners of this grant include the Greater Philadelphia Clean Cities Program and the Philadelphia Electric Company. According to Eric Cheung of the Clean Air Council, the partnership is awaiting matching funds from another Pennsylvania program. The grant will allow the trucks to use electricity to heat or cool their cabs as well as power other amenities during long periods of idling at the Walt Whitman Truck Stop, the only private truck stop in the city. Shurepower also plans to offer Internet and cable TV connections at each parking place. For more information about this grant award, please contact Eric Cheung, Clean Air Council, echung@cleanair.org. Source: Arleen Shulman, Pennsylvania DEP, and Jeff Kim, Shurepower



CONFERENCES, MEETINGS, WORKSHOPS, AND OTHER EVENTS

85th TRB Meeting Focuses on “Transportation 2025 – Getting There from Here”

The Transportation Research Board (TRB), a unit of the National Academy of Sciences, will hold its 85th Annual Meeting in Washington, D.C., from January 22-26, 2006. The program covers all transportation modes, and over 2,600 presentations will be given in 500 sessions addressing topics of interest to policymakers, administrators, researchers, and representatives of government, industry, and academia. There will be a session on “Prospects for Reducing Heavy-Duty Emissions and Fossil Fuel Use” and a poster session where information on idling reduction will be presented. For more information, please go to the conference web site at <http://www.trb.org/meeting>.

Repair Our Air Fleet Challenge Announces Its Grand Finale

The Canadian program, Repair Our Air, will hold its grand finale to its fleet challenge on Tuesday, January 24, 2006, in Hamilton, Ontario. Results of the 2005 Challenge will be announced along with the potential fuel savings associated with adopting best practices. For more information about this event or to participate in the next one, please contact Darlene Varaleau at (416) 538-6127 or varaleau@power-projects.com.

Clean Heavy-Duty Vehicle Conference 2006 Moves to San Diego

The WestStart – National Automotive Command Clean Heavy-Duty Vehicle Conference will be held in San Diego, California, this year from February 22 to 24, 2006, at the Hilton San Diego Resort. Among the sessions will be one on on-board idling reduction technologies and another on reducing emissions from diesel engines. Further information can be found at <http://www.calstart.org/programs/chdvc/2006CHDV/2006CHDVAgenda.php>.

PRESENTATIONS NOW AVAILABLE

National Clean Diesel Campaign Policy Leaders Summit Presentations Now Up on the Web

More than 300 policymakers and other stakeholders gathered in Washington, D.C., on December 7-8, 2005, for a 2-day conference focused on clean diesel retrofit programs, funding opportunities, incentives, and partnership building. Presentations and photos are now available at <http://www.cleanfleetsusa.net>.

IDLING COMMUTER AND LONG-HAUL TRAINS

NJ Transit Asked to Stop Idling Its Trains in New York State

The noise and pollution from train cars left idling all night long has prompted New York State Assemblyman Ryan Karben of Rockland County and Village of Suffern, New York, officials to call on New Jersey Transit (NJ Transit) to turn off their engines, the *MidHudson News* and *The Journal News* of November 18, 2005, report. Karben, Mayor-Elect John Keegan, and incoming Trustees Trish Abato and Dagan LaCorte have criticized the company



for leaving its trains running throughout the night, citing the noise and environmental factors as the basis for their call.

Up to nearly a dozen NJ Transit trains can be found idling in Suffern at night, approximately one-quarter mile north of the Suffern Train Station. They travel the Main & Bergen line, between Port Jervis and Hoboken, NJ Transit spokesman Dan Stessel said. The railroad keeps the locomotives' engines running for climate-control purposes and to prevent freezing in extreme cold, and it is standard practice to keep train engines running, according to Stessel. Karben said the engines could be turned off when the temperatures were 40°F or higher. In addition to creating noise pollution, trains left idling for prolonged periods of time produce diesel exhaust emissions that pollute the air. The trains have idled in the Suffern rail yard since the turn of the 20th Century, Ramapo historian Craig Long said, and the situation has been a constant source of complaints. New Jersey Transit declined to comment for this article. For more information, please see

http://www.utu.org/worksite/detail_news.cfm?ArticleID=24823 and

<http://www.thejournalnews.com/apps/pbcs.dll/article?AID=/20051118/NEWS03/511180386/1029/NEWS13>. Source: Joe Tario, New York State Research and Development Authority (NYSERDA)

(Train) Wheels of Justice Grind Slowly as Massachusetts Idling Train Case Continues

The December 2004 issue of this newsletter reported about a suit filed in Federal court in Boston on September 24, 2004, by the Guilford Rail System against the town of Chelmsford, which had charged that company's locomotives were idling longer than 30 minutes in violation of Massachusetts Code of Regulations §7.11(2) in that community and endangering the populace with diesel exhaust. Since that time, the (train) wheels of justice have been grinding very slowly. The judge assigned to the case recused himself in April of this year because his former law firm had represented the railroad. Other cases, essentially identical in substance, were filed by Guilford in April against the towns of Westford (docket No. 05-10806) and Andover (docket No. 05-10820). As of the end of September 2005, the Massachusetts Department of Environmental Protection (DEP) asked that all three cases be consolidated so that there would be only one trial instead of three. The DEP also asked that the schedule for the Chelmsford case be extended to coincide with the schedules of the other cases. No one else has agreed to this as of yet, so it is up to the new judge handling the Chelmsford case, who is also assigned to the other two, to decide. Source: Stanton Levinson, Esq.

Legislation Proposed to Stop Idling Trains in Maine

Trains in Maine may no longer be allowed to idle in residential areas for extended periods, if State Senator Elizabeth "Libby" Mitchell (D-Vassalboro) succeeds in her pursuit of a bill in January's legislative session to end the practice. If the bill becomes law, it would cap a years-long effort by residents to stop noise and fumes generated around the clock from the Guilford Rail Systems trains in Waterville, Oakland, and elsewhere. Mitchell has submitted a bill laying out the "concept draft" of legislation that would stop idling in public areas and reduce pollution. The bill would probably get a public hearing at the Statehouse in late January or early February, Mitchell said. It still needs co-sponsors and may be taken up by the transportation committee, which can broaden or limit its scope, she said.

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The trains idle because their engines have to be kept warm to prevent freezing, a Federal environmental policy official said. Residents say Guilford told them its idling practices are governed by Federal law, which does not limit idling time. Federal officials confirm this, but said they welcome State regulations on this issue. "We've encouraged states to enact those rules," said David Conroy, manager of air quality planning at the U.S. Environmental Protection Agency (EPA) in June. While the final statutes may differ, Maine may look to Massachusetts as an example, Mitchell said. For further information, please see the *Portland Press Herald* of December 2, 2005, [http://nl.newsbank.com/nl-search/we/Archives?p_product=ME&p_theme=me&p_action=search&p_maxdocs=200&s_dispstring=Guilford%20Rail%20AND%20date\(2005\)&p_field_date-0=YMD_date&p_params_date-0=date:B,E&p_text_date-0=2005&p_field_advanced-0=&p_text_advanced-0=\(\"Guilford%20Rail\"\)&p_perpage=10&p_sort=YMD_date:D&xcal_useweights=noce](http://nl.newsbank.com/nl-search/we/Archives?p_product=ME&p_theme=me&p_action=search&p_maxdocs=200&s_dispstring=Guilford%20Rail%20AND%20date(2005)&p_field_date-0=YMD_date&p_params_date-0=date:B,E&p_text_date-0=2005&p_field_advanced-0=&p_text_advanced-0=(\). Source: Joe Tario, NYSERDA

REGULATORY ACTIVITIES

Draft CARB Plan for Ports and Goods Movement Ready for Public Comment

The California Air Resources Board (CARB) staff has released its Draft Emission Reduction Plan for Ports and International Goods Movement for public review and comment. The plan includes an assessment of Statewide health impacts from emissions related to ports and international goods movement and lists specific actions necessary to reduce those emissions and protect public health. The plan is available on CARB's website at <http://www.arb.ca.gov/planning/gmerp/gmerp.htm>, along with information on related activities.

The draft emission reduction plan is part of the broader Goods Movement Action Plan being jointly carried out by the California Environmental Protection Agency (Cal EPA) and the Business, Transportation & Housing Agency (BT&H). Information about the Cal EPA – BT&H effort can be found at <http://www.arb.ca.gov/gmp/gmp.htm>. CARB staff will refine the draft emission reduction plan, based on input from the general public, affected industries, the Cal EPA and BT&H Goods Movement Action Plan work groups, local air districts, and other stakeholders. The health risk assessment will undergo peer review concurrent with the public review process. Public workshops on the plan will be scheduled early next year. Finally, a CARB public hearing on the emission reduction plan will be held in the spring of 2006 (exact date to be determined). For further information, please contact Cynthia Marvin, Assistant Division Chief, Planning and Technical Support Division, at (916) 322-0285 or cmarvin@arb.ca.gov.

Back Issues of National Idling Reduction Network News Available On-Line

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.



Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.

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SOLICITATIONS, AWARDS, AND FUNDING ANNOUNCEMENTS

EPA Innovation Grant Announcement Now Posted

People who attended the Clean Air Innovations meeting this past August in Chicago were told that the Office of Air and Radiation of the U.S. Environmental Protection Agency (EPA) would be issuing a solicitation for Innovation Grants for State/Local/Tribal Innovative Approaches to Reducing Air Pollution in the near future. That solicitation is now open, and applications are being sought for projects with significant technical merit and relevance to EPA's Office of Air and Radiation's mission. EPA plans to award two \$50,000 grants to demonstrate new programs, technologies, and strategies. Proposals are due on Friday, January 6, 2006. For further information about solicitation EPA-OAR-EMAD-05-22, please go to http://epa.gov/air/grants_funding.htm.

Source: Robin Langdon, EPA Research Triangle Park

Application Deadline Changed for Pennsylvania Environmental Excellence Awards

The October 2005 issue of this newsletter announced that applications were due on October 31, 2005, for the 2005 Governor's Award for Environmental Excellence, which is open to any Pennsylvania business, governmental agency, educational institution, nonprofit organization, individual, farm, or agribusiness that has created or participated in the development of a project that promotes environmental stewardship and economic development in Pennsylvania. The deadline for applications has recently been extended to Monday, December 19, 2005. To download an application, please visit the Pennsylvania Department of Environmental Protection web site at <http://www.dep.state.pa.us>. Once there, please go to "Hot Topics" where you will find a bullet for the Governor's Award for Environmental Excellence; that link will take you to the web site containing the application.

Philadelphia Company Receives Pennsylvania Energy Harvest Award

On November 18, 2005, Pennsylvania Governor Edward G. Rendell announced the investment of \$5.9 million to support 34 projects that will enhance energy security, promote advanced technologies, spur economic growth, and improve the environment. Since its inception in May 2003, the Pennsylvania Energy Harvest Grant Program has awarded \$15.9 million and leveraged another \$43.7 million in private funds. The grants provide the last increment of funding for clean and renewable energy projects to be built in the Commonwealth from sources such as biomass, wind, solar, small-scale hydroelectric, landfill methane, coal-bed methane, and waste-coal. Cardone Industries of Philadelphia received \$63,000 to install auxiliary power units in 23 of its company tractors to reduce idling. Cardone supplies remanufactured parts to the automotive sector. For more information, please go to <http://www.dep.state.pa.us/newsreleases/default.asp?ID=3728>.

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EPA Awards More Than \$1 Million in Clean Diesel Grants

On November 7, 2005, EPA announced the recipients of 10 National Clean Diesel Campaign grants totaling more than \$1 million. The value of these projects will nearly triple to \$3 million, as industry partners contribute almost \$2 for every dollar of Federal funds. The grants will fund projects that reduce emissions from nonroad sources, such as those used in construction and on port docks. Innovative technologies introduced through the projects will include the use of cleaner fuels, aftertreatment devices such as catalysts and filters, and engine replacement. Many of the grants will support projects that reduce emissions in low-income neighborhoods and areas that do not currently meet Federal air-quality standards.

The recipients are:

- American Lung Association of Hawaii (\$135,000)
- City and County of Denver, Colorado (\$125,000)
- Clean Air Council of Pennsylvania (\$100,000)
- Idaho Department of Environmental Quality (\$100,000)
- Maryland Department of the Environment (\$50,000)
- Massachusetts Executive Office of Environmental Affairs (\$120,000)
- New York State Energy Research and Development Authority (\$100,000)
- Oregon-Columbia Chapter of Associated General Contractors (\$120,000)
- Wisconsin Department of Natural Resources (\$100,000)
- York Technical College of South Carolina (\$95,040).

For more details on each separate grant, please go to: <http://www.epa.gov/otaq/diesel/grantfund.htm#ncdc-grant-2005>.

UPCOMING MEETINGS

Freight Conference in Long Beach Expected to Draw 400-500

On January 30-February 1, 2006, the EPA, the South Coast Air Quality Management District, the California Air Resources Board (CARB), the Port of Los Angeles, and the Southern California Association of Governments will be hosting Faster Freight - Cleaner Air (FFCA) 2006. This 3-day conference and tradeshow at the Long Beach Convention Center is one of two conferences to be held during "Freight Week" in Long Beach. The conference will showcase the innovative programs, policies, and technologies now being implemented in ports in Southern California and across the Nation to improve efficiency and reduce the air-quality impacts of the goods movement industry. The goal of FFCA 2006 is to spur the widespread adoption of these innovative practices and low-emission technologies by encouraging networking of stakeholders and increasing awareness of advanced goods movement equipment and systems. For more

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For more information about the conference, please go to <http://www.ffca2006.com>. Source: Peter Murchie, EPA Region 10

REGULATORY NEWS

CARB Updates Truck Idling Web Page

CARB's truck idling web page has been updated to reflect the adoption of requirements to reduce idling emissions from new and in-use sleeper berth equipped trucks, beginning in 2008. It has also been updated to include related links and presentations from CARB's hearing on this subject. More information can be found at <http://www.arb.ca.gov/msprog/truck-idling/truck-idling.htm>. Source: Daniel Hawelti, CARB

Wal-Mart to Install Anti-Idling Technology in Fleet Following Lawsuit

As part of a settlement with the EPA regarding clean-air regulations, Wal-Mart will be outfitting its entire fleet of 6,750 trucks with idle-reducing generators. The settlement is part of a lawsuit by Connecticut and Massachusetts regarding trucks idling outside Wal-Mart stores. EPA inspectors documented trucks parked outside stores in both States -- both of which have anti-idling regulations for large trucks -- during the daytime and overnight. As its penalty, Wal-Mart was required to pay a fine of \$50,000 and agreed to post signs nationwide at store loading docks warning drivers to shut off their engines when parked.

In addition to adding generators to all Wal-Mart fleet trucks, Wal-Mart has also agreed to:

- administer anti-idling training to company drivers
- post "no idling" signs at all of its 4,000 facilities in the United States
- notify its contracted delivery companies of its anti-idling policy
- spend no less than \$100,000 to implement these measures.

Wal-Mart will also begin adding generators to every truck in its fleet to help reduce the need for diesel engine idling, the *Boston Globe* reported.

Both Connecticut and Massachusetts have anti-idling rules that are included in the State Implementation Plans (SIPs) that States submit to EPA outlining how they will meet national air-quality standards. Regulations in the SIPs are enforceable by the State and by EPA. The Massachusetts rule prohibits vehicle idling over 5 minutes (with exceptions for periods of traffic, repairs, or operation of loading or refrigeration equipment). The Connecticut rule prohibits vehicle idling for over 3 minutes when temperatures are above 20°F., with only a few exceptions.

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For more information, please go to <http://www.epa.gov/region01/pr/2005/nov/dd051101.html>,
http://www.landlinemag.com/todays_news/Daily/2005/Nov05/110305.htm#10,
<http://www.ttnews.com/members/topNews/0014188.html>, and
http://fleetowner.com/news/wal_mart_truck_idling_epa_violation_settle_index.html. Source: Paul Abelson, *Land Line*, November 3, 2005

MANUFACTURERS' NEWS

International to Offer Anti-Idling System by Spring

The November 21, 2005, issue of the electronic version of *Transport Topics* reports that International Truck and Engine Corporation plans to offer an integrated factory-installed reduced idling system by the spring of 2006. The company said its "No Idle System" will provide a cost-effective means to reduce idling times while saving an operator up to 0.8 gallon of fuel an hour. The system includes a fuel-fired coolant heater system and self-contained electric air-conditioning system powered by a choice of battery, auxiliary power unit (APU), or 110-volt shore power. International estimates that by reducing idling time by 5 hours a day, an operator could save 1,450-1,650 gallons of fuel annually, depending on whether a battery system or an APU is used. Source: <http://www.ttnews.com/members/topnews/0014289.html>

PUBLIC HEARINGS

Ohio EPA Seeks Comments on New Diesel School Bus Retrofit Program

School districts in Ohio could receive money to retrofit diesel school buses with equipment that lowers air pollution emission. The Ohio EPA will hold a public hearing in Columbus on Tuesday, December 6, 2005, to accept comments on draft rules outlining the program.

The retrofit grant program was put in place by HB66 (Budget), which required the Ohio EPA to establish rules that define guidelines and processes for a grant, with funding coming from penalties the Ohio EPA collects for air-pollution violations. The proposed rules would allow grant awards for three purposes:

- To allow districts to add control equipment approved by the U.S. EPA's engine retrofit program on diesel school buses
- To allow districts to maintain approved control equipment
- To offset additional costs of using ultra low sulfur diesel fuel that is not reasonably available in a specific geographic region.

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Privately owned school buses used exclusively for school transport are eligible, and priority will be given to those districts in communities that do not meet air-quality standards for particulates and those districts that would employ additional measures such as anti-idling programs. For more information, please go to <http://www.epa.state.oh.us/pic/nr/2005/november/BusRetrofitRules.html>. Source: Julie Magee, EPA Region 5

OTHER NEWS OF INTEREST

New Jersey Voters Approve Amendment to Retrofit Heavy Vehicles

By a vote of 56-44 percent in favor of adoption on November 8, 2005, New Jersey voters added an amendment to the State's constitution allowing for funding for diesel emissions control equipment for over 30,000 transit buses, school buses, and publicly owned trucks. The amendment will fund the diesel program by shifting a portion of the corporate business tax revenue currently earmarked for environmental programs to provide grants for the cost of air pollution control equipment. Voter approval also ensures diverting some funding from the corporate business tax to support the Department of Environmental Protection (DEP) anti-idling enforcement program and will cover the cost of a research project conducted by the DEP to examine further steps needed to protect children from diesel school bus emissions. For more information, please go to <http://www.state.nj.us/dep/stopthesoot>, http://www.state.nj.us/cgi-bin/governor/njnewsline/view_article.pl?id=2704, and <http://www.ospirg.org/blog/home/archives/000256.html>.

Boston Cabbies Chilly on No-Idling Rule

According to the *Boston Herald* of November 3, 2005, Boston cabbies are being reminded that Boston limits idling of all motor vehicles to 5 minutes. The article states that Independent Taxi Association President James Weaver said he got a call from a city official and a letter notifying him the city would be enforcing Commonwealth's anti-idling law by writing \$100 tickets. He expressed concern about staying warm this winter in the Logan International Airport taxi pool area, where waits for fares can be as long as an hour. James Hunt, Boston's chief of environment and energy, said he just wants to spread the word about idling to cabbies – not crack down on them. "We're trying to remind them idling causes air pollution and is an unnecessary expenditure of fuel," Hunt said. "We all use common sense in enforcement, and during those extreme weather conditions, there's forbearance."

Locations Approved for First IdleAire Installations in Two States

In Iowa, according to the Des Moines *Register* of November 15, 2005, the Urbandale City Council approved IdleAire's site plan for installation of a \$4.3 million system at the Pilot Travel Center on I-35 in Urbandale. Construction of 72 IdleAire spaces will likely begin next year. Although the

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Pilot Travel Center will share in the revenue from the systems, it does not share in the installation cost. IdleAire will pay for the construction costs through the issuance of tax-exempt revenue bonds. For more information, please go to

<http://www.desmoinesregister.com/apps/pbcs.dll/article?AID=/20051115/BUSINESS04/511150322&SearchID=73227132970817>.

In Missouri, the *Fulton Sun* also reported on November 15 that IdleAire expects to install 63 hook-ups in 2006 in Kingdom City in central Missouri near Jefferson City at the Petro Shopping Center located at the intersection of I-70 and U.S. 54. Earlier this month, the Kingdom City Board of Trustees approved a \$4 million bond proposal from IdleAire. For more information, please go to <http://www.fultonsun.com/articles/2005/11/15/news/046news01.txt>.

Back Issues of National Idling Reduction Network News Available On-Line

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at <http://www.eere.energy.gov/cleancities/idle/incentives.html>. Please let us know if the information needs to be changed or updated.

Editor

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LOAN PROGRAMS AND SOLICITATIONS FOR FUNDING AND AWARDS

Arkansas Provides Small Business Loans for Idling Reduction Equipment

The Arkansas Department of Environmental Quality (ADEQ) has teamed with the U.S. Environmental Protection Agency (EPA) SmartWay Transport Partnership to provide information on fuel saving and idling reduction technologies as well as low-interest loans to Arkansas truckers. In September 2005, the Owner-Operator Independent Drivers Association (OOIDA) sent letters to over 2,000 of its Arkansas members with information provided by the SmartWay Partnership explaining how the installation of proven idling reduction technologies can help them decrease fuel usage and minimize air pollution. A simple and instructive guide was included to assist the small business owner in understanding the amount of investment, cost savings, and return for specific technologies. Information on the ADEQ Small Business Environmental Loan Program was also included to provide funding for the trucking companies to purchase the equipment. The ADEQ Loan Program provides low-interest loans to Arkansas small businesses to help them meet environmental requirements, minimize waste, or prevent pollution.

The goal of this innovative partnership is to realize multiple benefits in energy efficiency, conservation, and air quality. For more information on the Loan Program and its work with SmartWay, please contact Darren Morrissey at ADEQ (501-682-0824) or go to the ADEQ Business Assistance Program website (<http://www.adeq.state.ar.us/poa/businessasst.htm>). Information on the EPA SmartWay Partnership can be found at <http://www.epa.gov/smartway/>. Source: Darren Morrissey, Arkansas Department of Environmental Quality

Applications for Diesel Retrofit Grants Sought in Washington State

The Washington State Department of Ecology requests applications from local governments in Washington State for diesel emissions retrofit grants. This program will assist cities of all sizes to buy and install emission control devices on heavy-duty diesel vehicles, such as garbage trucks, dump and maintenance trucks, and transit buses. The Department expects \$2 million to be available and hopes to make up to 100 awards and retrofit 1,000 vehicles statewide. Responses are due on Friday, December 2, 2005. For more information, please contact Ann Byfield at (360) 407-6851 or go to <http://www.ecy.wa.gov/programs/air/cars/DieselGrantPage.htm>. Source: Laurie Brown, U.S. Department of Energy (DOE) Western Regional Office

NYSERDA Releases PON for Clean Diesel and Environmental Technology

The New York State Energy Research and Development Authority (NYSERDA) Program Opportunity Notice (PON) 944 is seeking proposals to support the development, demonstration, and commercialization of innovative, energy-efficient, clean diesel and environmental technologies. Two categories are sought: Clean Diesel Technology Development and Environmental Product and Process Technology Development. An amount of \$650,000 has been allocated for projects in each category for a total of \$1.3 million. Proposals are due on Tuesday, November 15, 2005. For more information, please go to <http://www.nyserda.org/funding/funding.asp?i=2>. Source: <http://www.dieselforum.org>

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EPA Offers \$3 Million for Environmental Education

EPA is now soliciting applications for about 150 grants having a value of \$10,000-\$15,000 each. Subject to availability of funds, the total amount available is about \$3 million, and there is a cost-sharing requirement of 25 percent to be provided by the applicant. Proposals are due to EPA on Wednesday, November 23, 2005, with an expected start date of July 1, 2006. Eligible entities are educators, education institutions, public/state environmental agencies, and non-profit organizations. Further information can be found in a September 30, 2005, *Federal Register* notice (<http://www.epa.gov/enviroed/pdf/fy2006frsolnotice.pdf>) and EPA's website (<http://www.epa.gov/enviroed/grantsols.html>). Source: Jodie Rizzuto, EPA Region 1

TERP Grant Applications are Being Accepted for Austin Area

The Texas Commission on Environmental Quality (TCEQ) announced that it is accepting applications for Emission Reduction Incentive Grants for projects in the Austin area. These grants are available under the Texas Emissions Reduction Plan (TERP) incentive programs for projects that will reduce the emission of nitrogen oxides (NO_x) from internal combustion engines. To be eligible for funding, the grant-funded vehicle or equipment must operate at least 75 percent of the time in the four counties making up the Austin Early Action Compact Area (Bastrop, Caldwell, Hays, Travis, and Williamson). Projects dealing with on-site electrification and on-vehicle electrification are among the types of projects that TERP is seeking to fund.

To obtain more information and to download electronic copies of the application forms, please go to the TERP web site at <http://www.terpgrants.org>. A free grant application workshop on this solicitation will be held on Wednesday, November 2, 2005, in Austin. If you have any questions or you need a hard copy of the application forms, please contact TERP staff at (800) 919-TERP (8377). Applications are due on Friday, December 2, 2005. The application period for projects in other eligible counties will be announced later this year.

CARB Solicits Ideas for Fiscal 2006-2007 Research Plan

The California Air Resources Board (CARB) has issued a program announcement to solicit research suggestions for its research program. These research ideas, which may become the basis for public solicitations or interagency agreements in the summer and fall of 2006, are due to CARB on Thursday, December 8, 2005. Two-page descriptions of ideas are welcome in several areas, including concepts that advance the development of technologies associated with zero or near-zero emissions such as vehicle and engine technologies and hardware aftertreatment control strategies. Further information is available at <http://www.arb.ca.gov/research/apr/ideas/solicit.htm>.

ANNOUNCEMENTS OF FINANCIAL AWARDS

DOE Recommends \$5.4 Million in SEP Awards for Clean Cities Projects

In September 2005, DOE recommended more than \$5.4 million in funding for 70 cost-shared Clean Cities projects. That amount, made available through the State Energy Program Special Projects activity, is \$1.4 million more than originally planned. Final awards

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are scheduled for fall 2005, and funds will be delivered to the State Energy Offices for disbursement. Six of the 70 projects deal with idling reduction projects and will share \$400,000 in funding. They are:

- Deploying and evaluating 16 onboard auxiliary power units in the Li-Way Transfer and Storage commercial trucking fleet in Georgia
- Retrofitting 35 school buses with Espar coolant heaters in the Ravena-Coeymans-Selkirk Central School District in New York
- Installing 30 Cummins ProHeat on-board electrification units on Styline heavy-duty delivery vehicles in Indiana
- Installing six engine pre-heaters for diesel-powered passenger shuttles in a shopping district and launching an associated public-awareness campaign in Colorado
- Installing an electrification system at the Clarence Central School District bus garage to provide start-up power to engine block heaters already installed in approximately 100 buses in New York
- Installing Clever Devices BusLink switches that automatically activate ProHeat auxiliary heaters in a fleet of approximately 100 transit buses in Maryland

For further information, please go to

http://www.eere.energy.gov/cleancities/ccn/progs/story.cgi/WHATS_NEW/495/0/A. Source: Wendy Dafoe, National Renewable Energy Laboratory

SmartWay Makes \$5 Million in Awards

EPA's SmartWay Transport Partnership announced on October 11, 2005, that it was making 5 grant awards totaling \$5 million to nonprofit organizations and States. These grants will support a first-of-its kind initiative that deploys a wide variety of idle reduction technologies on trucks and at truck stops and ports across the nation. EPA expects that the grants will spur development and commercialization of idle-reduction technologies that yield even greater benefits as their use becomes more widespread. The grants are being awarded to the following entities:

- Texas Transportation Institute for "Truck Engine Idle Reduction Technology Demonstration Program" -- \$3 million
- Ohio Department of Development for "Ohio and Midwest Truck Stop Electrification Corridors Demonstration, Evaluation, and Development Project" -- \$500,000
- Lane Regional Air Pollution Authority (Oregon) for "Everybody Wins - Phase II" -- \$500,000
- American Transportation Research Institute for "Demonstration of Integrated Mobile Idle Reduction Solutions" -- \$500,000
- North Carolina State University for "Truck Original Equipment Manufacturer (OEM) Auxiliary Power Unit (APU) Prep Kit Design and Installation" -- \$500,000

Further information is available at <http://yosemite.epa.gov/r6/press.nsf/name/SmartWayGrant> and <http://www.epa.gov/smartway/idle-demo.htm>. Source: Paul Bubbosh, EPA

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Shurepower Wins Climate Trust Award to Electrify Truck Stops in Pacific Northwest

The Climate Trust -- a nonprofit environmental organization funded by several cities, corporations, and utility companies in the Pacific Northwest -- has awarded \$450,000 to Shurepower, a New York-based company, to launch a truck stop electrification network in Oregon and Washington. Shurepower plans to install its freestanding power pedestals at seven truck stops in both States by June 2006. These pedestals are mounted near each parking space and are connected to a control kiosk. Truck drivers plug into the pedestal for access to electric power, high-speed internet access, phone service, and cable television. For further information, please see http://www.landlinemag.com/todays_news/Daily/2005/Oct05/100505.htm#5, <http://www.ecy.wa.gov/pubs/0502025.pdf>, and <http://www.shurepower.com/tse.htm>. Sources: Jeff Kim, Shurepower, and Frank Van Haren, Washington State Department of Ecology

More Awards Announced in Pennsylvania Small Business Advantage Program

Trucking companies and owner-operators received about 40 percent of the \$488,830 and 47 of the 97 awards recently announced by the Pennsylvania Department of Environmental Protection (DEP) Small Business Advantage Program. A 50-50 match is required, and to date more than \$1 million has been awarded to over 200 businesses throughout Pennsylvania.

Funding is still available for the program, and grant applications will be accepted on a first-come, first-served basis through January 6, 2006. Applications for the Small Business Advantage Grant Program can be downloaded from DEP's web site at <http://www.dep.state.pa.us>, keyword: "SBAdvantage." To receive an application package by mail, call (717) 783-8411 or e-mail the department at epadventuregrant@state.pa.us.

CONFERENCES, NON-REGULATORY MEETINGS, AND WORKSHOPS

Seminar on "Heavy Duty Fleets: Retrofitted, Refueled and Funded for a Cleaner Ohio"

On Wednesday, November 30, 2005, the Ohio Department of Transportation (DOT) Auditorium in Columbus, Ohio, will be the site for a 1-day technology and information seminar on improving air quality by installing pollution controls, switching to cleaner fuels, and reducing idling. This meeting is hosted by Ohio DOT and presented by EPA's Midwest Clean Diesel Initiative, the Ohio Environmental Protection Agency, the Ohio Environmental Council, and the Central Ohio Clean Fuels Coalition.

The cost is \$20 before November 10 and \$30 after that date. To register and obtain further information, please visit the event web site at http://www.theoec.org/cage_diesel_Nov05Conf.html.

Source: Julie Magee, EPA Region 5

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SCHOOL BUSES

Five More School Bus Companies in Metro New York City Fined for Idling

New York State Attorney General Eliot Spitzer and Congressman Charles Rangel (D-NY) announced agreements with five transportation companies to reduce air pollution from idling school buses in the New York City metropolitan area. Under the agreements, the five bus companies, which together operate more than 1,700 school buses in New York City and Westchester and Nassau Counties, will:

- Implement a "no idling" policy that prohibits unnecessary idling for any length of time within one block of a school
- Establish an operations plan at bus depots to eliminate excessive idling
- Implement a monitoring program for 3 years
- Report all compliance activities and findings to the Attorney General's Office
- Pay penalties totaling \$61,425

New York State law restricts bus idling to no more than 5 consecutive minutes, and New York City law restricts idling to no more than 3 consecutive minutes. Buses from these five companies repeatedly violated these idling laws by idling for as long as 15-20 minutes in front of schools and in residential neighborhoods. As a result of these latest agreements, 75 percent of New York City's school bus fleet is now covered by anti-idling agreements. For more information, please go to http://www.oag.state.ny.us/press/2005/sep/sep26a_05.html. Source: Joe Tario, NYSERDA

CONGRESSIONAL UPDATE

Rep. Granger Reintroduces Tax Credit Bill for Idling Reduction Equipment

Rep. Kay Granger (R-TX) has reintroduced a bill entitled "Idling Reduction Tax Credit Act of 2005," which would allow a tax credit of up to \$3,500 for each truck outfitted with idling reduction devices. She had proposed the bill in 2004, but it was never passed. Under Congresswoman Granger's legislation, the EPA and the Secretary of Energy would certify which of the alternative idling reduction devices meet appropriate standards to qualify for the tax credit. For more information, please see http://www.landlinemag.com/todays_news/Daily/2005/Oct05/100705.htm and <http://kaygranger.house.gov/News.asp?FormMode=Detail&ID=220>. Source: Paul Abelson, Land Line magazine

REGULATORY ACTIVITIES AND PUBLIC MEETINGS

Update on National State Idling Reduction Model Law

After analyzing comments from five regional workshops, EPA has just completed a draft of the national State idling reduction model law. Once the agency finishes its review, the draft and associated discussion points will be published in the *Federal Register* for public comment in the next few weeks. The comment period will be 30 days. You can find the *Federal Register* at <http://www.gpoaccess.gov/fr/>. Source: Paul Bubbosh, EPA

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CARB Rules Out Idling Sleeper Berths

The California Air Resources Board (CARB) announced on October 24, 2005, that it had passed a two-part regulation that adds heavy-duty trucks equipped with sleeper berths to the current prohibition on diesel engines idling for more than 5 minutes. CARB also requires that 2008 and subsequent model diesel engines be equipped with a non-programmable system that shuts down the engine after idling 5 minutes. The sleeper berth part of the rule will apply to current and future trucks, including those that meet the low-emissions EPA 2007 and 2010 requirements. The rule will be effective 2008. The sleeper berth component will be applicable to trucks registered in and out-of-state. It allows the use of alternative technologies that provide for cab comfort, so long as they are CARB-approved for having zero or very low pollution emissions. For more information, please go to http://fleetowner.com/news/carb_idle_truck_sleeper_berth_rule_102505/ and <http://www.arb.ca.gov/newsrel/nr102405.htm>.

OTHER NEWS OF INTEREST

FleetSmart to Hold Another Idle-Free Zone Campaign for Heavy Vehicles

Natural Resources Canada (NRC) will promote idle-free zones at 86 locations through its FleetSmart program from November 7, 2005, through February 19, 2006. The "Idle-Free Quiet Zone" campaign for heavy vehicles was conceived to raise awareness in the trucking sector about the harmful effects of unnecessary engine idling. The Canadian website offers success stories from many cities along with materials that could be used to promote idling reduction activities. For more information, please go to <http://oee.nrcan.gc.ca/transportation/fleetsmart.cfm?attr=16>.

Canadian Program Helps Fleets Discover Costs of Idling

The Canadian "Repair Our Air Fleet Challenge" has helped the transportation industry there realize how many millions of fuel dollars are being wasted annually by not monitoring the costs of idling. According to Darlene Varaleau of Power Projects in Toronto, "Only those fleets that regularly download their engine data and enforce a corporate idling policy optimize their fuel efficiency. Fleets throughout southern Ontario are still reporting 40-50 percent idling (as a percentage of operating time) despite 5 years of public information campaigns, 48 days of smog alerts, and repeated health warnings from the Ontario Medical Association."

A challenge is currently underway among fleets whose participants are urged to be the best-in-class by having the lowest incidence of idling within their fleet category.

The categories include long- and short-haul trucks, motor coaches, transit buses, and school buses. Power Projects launched the Repair Our Air Fleet Challenge in 2000 with funding from NRC and active support and leadership from Toronto Hydro and Enbridge. For more information, please go to <http://www.repairourair.org>. Source: Darlene Varaleau, Power Projects Inc.

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Back Issues of National Idling Reduction Network News Available On-Line

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Summary of State Anti-Idling Regulations

Look at the document at the following site for the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations. <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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SOLICITATIONS FOR FUNDING AND AWARDS

Deadline Changed for EPA Innovation Grants

At the August 24-26, 2005, Air Innovations Conference, the U.S. Environmental Protection Agency (EPA) announced that there would be two \$50,000 Innovations Grants for State/Local/Tribal Innovative Approaches to Reducing Air Pollution through the demonstration of new programs, technologies, and strategies. EPA's announcement specified a September 30, 2005, deadline for proposals. This deadline is no longer applicable. Consistent with EPA Order 5700.5A1, applications/proposals will be accepted for the grants through an open competition process, which will be posted on www.fedgrants.gov, as well as the EPA website. Applicants will have 45 days from the date of posting of the announcement to submit applications/proposals, which is expected to be in 2-3 weeks. Further information can currently be found at <http://www.cleanairinfo.com/airinnovations2005/postconf.htm>. Source: Robin Langdon, EPA Research Triangle Park

Nominations Close Soon for 2005 SAE Environmental Excellence in Transportation Award

The Society of Automotive Engineers (SAE) is seeking nominations for its annual award to an individual or groups of individuals who make significant innovations in reducing environmental impact caused by the transportation industry. These innovative achievements may occur in motorized vehicles for land, sea, air, and space in the areas of fuels, alternative propulsion methods, fuel usage, materials, energy usage, manufacturing methods, logistics support, as well as in education, training and improving public awareness. The key criteria for recognition are innovation, originality, demonstrated significant favorable impact on the environment and improvement over any existing technologies, methods and public acceptance. The deadline for nominations is October 15, 2005. For more information, please go to <http://www.sae.org/news/awards/list/e2t/>

DOE Launches New Financial Opportunities Web Site

The Office of Energy Efficiency and Renewable Energy (EERE) of the U.S. Department of Energy (DOE) has announced that it has consolidated all its current and past solicitations on one web site. It provides specific funding information for business, industry, and universities, as well as consumers, Federal energy managers, inventors, States, and tribes. In fiscal year 2004 alone, EERE awarded approximately \$506 million in financial assistance. One solicitation that was just released is for the Small Business Innovation Research and Small Business Technology Transfer Research programs. Among the topics covered are biofuels, lightweight materials and electric energy storage for vehicles, power electronics, sensors, and controls.



Further information is available at http://www.eere.energy.gov/news/news_detail.cfm/news_id=9378

Pennsylvania Encourages Applications for Environmental Excellence Awards

The 2005 Governor's Award for Environmental Excellence is open to any Pennsylvania business, governmental agency, educational institution, nonprofit organization, individual, or farm that has created or participated in the development of a project that promotes environmental stewardship and economic development in Pennsylvania. Eligible projects for the 2005 Governor's Award for Environmental Excellence must have been completed between August 1, 2004, and July 31, 2005. The project categories for consideration include but are not limited to environmental technology innovation, pollution prevention and resource efficiency, and clean energy innovations and environmental market development. Projects will be evaluated on the following criteria: environmental protection, teamwork, public service, environmental education and outreach, pollution prevention, economic impact, and innovative technology.

Winners of the 2005 Governor's Award for Environmental Excellence will be presented with a unique award at a press event at the winner's location. In addition, the winners' projects will be showcased in numerous Pennsylvania Department of Environmental Protection (DEP) publications and editorials and highlighted on the department's Web site. The deadline to submit projects for the 2005 Governor's Award for Environmental Excellence is Monday, October 31, 2005. To download an application, visit DEP's web site at <http://www.dep.state.pa.us>, and click on the award logo.

Idling Reduction Equipment takes 40 Percent of Pennsylvania Grant Awards

Another round of Pennsylvania Small Business Advantage Grants has been awarded to 22 grantees for equipment or processes that enhance energy efficiency or promote pollution prevention. The Department of Environmental Protection gave 9 of these awards, or 40 percent, to individuals and trucking companies to buy auxiliary power units to eliminate idling during layovers. These grantees received 31 percent, or \$37,722, of the \$120,353 in awards. This program provides a 50-percent cost share of up to \$7,500 for equipment or processes. The Small Business Advantage Grants program, which was launched in July 2004, has awarded more than \$990,000 to 190 recipients in Pennsylvania. Funding is still available, and grant applications will be accepted on a first-come, first-serve basis through January 6, 2006. More information is available at <http://www.dep.state.pa.us/newsreleases/default.asp?ID=3645>.

EESI Recognizes National "Clean Bus" Leadership in 6 Communities

The Environmental and Energy Study Institute (EESI) has recognized six State and local initiatives for their leadership in deploying cleaner bus fleets. The winners were: Yosemite National Park for its investment in hybrid bus technology, Medford (New Jersey) Township Public School District for its pioneering fleet-wide use of B-20 biodiesel fuel for the past 8 years, Santa Clara (California) Valley Transportation Authority for its \$18.4 Zero-Emission Bus Demonstration Program, Cook-Illinois Corporation for using biodiesel in 500 of its 1,600 buses, Fresno County Rural Transit Agency for its long-standing commitment to alternative fuels, and Colorado Springs School Districts 11 and 20 for using exhaust aftertreatment and biodiesel in their diesel buses.

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More information, including individual case studies and press releases, agency contacts, and previously recognized leaders, is available on the EESI National Clean Bus Leadership Recognition Program's website: <http://www.eesi.org/programs/cleanbus/leadership/index.htm>. Source: Shefali Ranganathan, EESI

CONFERENCES, NON-REGULATORY MEETINGS, AND WORKSHOPS

Update on Status of National Model Idling Reduction Regulation

EPA is on course with respect to publishing a draft model idling reduction regulation for public review and comment in mid- to late October 2005. The draft will reflect what EPA learned from meeting with many stakeholders in Atlanta, Baltimore, Chicago, Hartford, and San Francisco this past spring and summer. Source: Paul Bubbosh, EPA

Indiana Workshop to Focus on Clean Diesel Fuels, Idling Reduction, and Clean Air

EPA Region 5, DOE and South Shore Clean Cities, and offices of the State of Indiana are sponsoring a 1-day workshop in Valparaiso, Indiana, on Thursday, October 13, 2005, entitled "Clean Fuels, Clean Air, Clean Cities: Reducing Emissions in Northwest Indiana." Topics to be covered include: air-quality issues, stationary and on-board technologies to reduce idling, alternative fuels, and funding opportunities. Equipment vendors will be present. For further information, please contact Carl Lisek, South Shore Clean Cities Coordinator, P. O. Box 157, St. John, IN 46373, southscc@comcast.net, or (219) 365-4289 (phone/fax). Registrations must be received by Thursday, October 6, 2005. Source: Julie Magee, EPA Region 5

Idling Reduction Plan to be Showcased at SAE Commercial Vehicle Engineering Congress

Conference attendees will be asked to comment on the draft plan that addresses idling reduction at the national level at the SAE Commercial Vehicle Engineering Congress and Exhibition in Rosemont, Illinois, on November 2, 2005. The afternoon Technology Theater will be the venue for presentations on the plan by representatives from three Federal agencies and reviews by industry associations. For further information, please go to <http://www.sae.org/events/cve>.

AWMA Conference Spotlights Reducing Diesel Exhaust

The Air and Waste Management Association (AWMA) is holding a conference on "Diesel Exhaust: Partnering with Stakeholders to Reduce Energy Emissions," on October 6-7, 2005, in Oak Brook, Illinois. There will be presentations on the 2007 diesel emissions standards, government programs affecting the diesel engine community, new perspectives on health issues, and evaluating new technology. For more information, please go to <http://www.awma.org/events/confs/Diesel/default1.asp>.

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Puget Sound Seaport Diesel Solutions Workshop to Focus on Technology and Business Needs

Port terminal operators and marine-related diesel fleet owners and operators may be interested in the Puget Sound Seaport Diesel Workshop on November 15, 2005, in Seattle. Topics featured in this 1-day workshop will include an overview of port emissions, technical information about cleaner fuels and technologies, success stories, incentives, and funding opportunities. Please contact Sarah Flagg, Port of Seattle, (206) 728-3249, flagg.s@portseattle.org. Source: Brewster Boyd, Ross & Associates Environmental Consulting

Government Leaders to Hold Summit to Reduce Pollution Existing Diesel Engines

EPA, along with the Diesel Technology Forum and the Manufacturers of Emission Controls Association, is hosting a meeting on December 7-8, 2005, in Washington, D.C., to share lessons learned from successful clean diesel programs across the country. Discussions will center on new State and Federal funding opportunities, innovative incentive options, and building partnerships. For more information, please go to the 2005 National Clean Diesel Campaign Policy Leaders Summit home page at <http://www.cleanfleetsusa.net/cfusa/ncdcpls.htm>.

PRESENTATIONS NOW AVAILABLE

Carl Moyer Presentations Now Available on CARB Web Site

The presentations for the August 17-19, 2005, Carl Moyer Program workshops have been posted. This is the link to the site: <http://www.arb.ca.gov/msprog/moyer/guidelines/revisions05.htm>.

CARB Posts Rail Yard and Carl Moyer Presentations

The South Coast Air Quality Management District staff presentations from the Rail Yard Public Consultation meeting on August 31, 2005, are now available at the "Rail Yard Emission Reduction Program" web page at <http://www.arb.ca.gov/railyard>. For further information, please contact Erik White, CARB, at (916) 324-8029 or ewhite@arb.ca.gov.

DOT Talking Freight Seminar Presentations on SAFETEA-LU Now Available for Viewing

PowerPoint presentations from the recent web casts on the freight provisions of the new transportation bill, SAFETY-LU, are now available at <http://talkingfreight.webex.com>. Click on the "Recorded Events" link on the left side of the screen (under the "Attend an Event" heading). You will notice two listings for the freight provisions of SAFETEA-LU seminar. One is dated September 7, and the other is dated September 12. Both recordings are very similar; however, the speakers are different, and there were a few additional slides in the second seminar due to suggestions made in the earlier one. To view the recordings, click on the "View" button, and then enter your name and e-mail address. The recording contains both the visual and audio so make sure the volume on your computer is turned up. This recording can only be viewed online and cannot be saved to your computer. Transcripts will be posted on <http://www.ops.fhwa.dot.gov/freight> and the freight planning web site, <http://www.fhwa.dot.gov/freightplanning/>. For further information, please contact Jennifer Seplow, Science Applications International Corporation, at (703) 676-6849 or jennifer.e.seplow@saic.com.



"Refueling America" Presentations Now on the Web

More than 250 people attended the "Refueling America" workshop in Raleigh, North Carolina, on September 21, 2005, and presentations from the speakers are now available on the North Carolina Solar Center web site. The event was sponsored by the North Carolina Solar Center, Triangle Clean Cities Coalition, Wake Technical Community College, and over 20 other organizations to focus attention on alternatives to petroleum that are available now. Presentations can be found at http://www.ncsc.ncsu.edu/resources_by_sector/refueling_america_workshop.cfm. Source: Anne Tazewell, North Carolina Solar Center

PUBLICATIONS

New Studies Released dealing with Emissions

The Transportation Research Board, a unit of the National Academy of Sciences, offers information about two new studies released by research organizations and Federal agencies that might be useful to the readers of this newsletter. The first, *Transportation Emissions Guidebook: Land Use, Transit, and Travel Demand Management*, is from the Center for Clean Air Policy. This report, which was funded by the U.S. Environmental Protection Agency (EPA), is the first of two guidebooks; the second guidebook, on vehicle technology and fuels, is funded by the Federal Highway Administration (FHWA) and will be published in a few months. Further information can be found at http://www.trb.org/news/blurb_detail.asp?id=5294. Another report is from the EPA entitled *Guidance for Creating Annual On-Road Mobile Source Emission Inventories For PM 2.5 Nonattainment Areas for Use in SIPs and Conformity*. This document covers a range of methods for States and local agencies to consider when producing annual emissions inventories for their State implementation plans. Further information can be found at http://www.trb.org/news/blurb_detail.asp?id=5303.

FHWA Emissions Study Targets Idling, Congestion, Logistics

FHWA has published its final report on freight movement and air quality entitled *Assessing the Effects of Freight Movement on Air Quality at the National and Regional Level*. One of the conclusions of the report is that freight movement is a major source of national and regional oxides of nitrogen (NO_x) and particulate matter (PM) emissions. Among its findings is that, at the national level, freight transportation accounts for half of mobile-source NO_x emissions and 27 percent of NO_x emissions from all sources. Trucking is cited as the major source of freight NO_x emissions, accounting for 67 percent of freight emissions nationally and 77-97 percent of the freight emissions total in the six study regions. The 2007 EPA emission standards for heavy-duty trucks and off-road equipment are expected to dramatically reduce trucking's relative contribution to these emissions starting in 2007. For further information, please go to <http://www.fhwa.dot.gov/environment/freightag/>. Source: Fleet Owner magazine, http://fleetowner.com/news/fhwa_air_quality_freight_study_080505/, August 5, 2005

Phase I of Goods Movement Report in California Completed

The report, "Goods Movement Action Plan Phase I: Foundations" is now final and is available at <http://www.arb.ca.gov/gmp/gmp.htm>. With the completion of Phase I, the California Business, Transportation and Housing Agency (BTH) and the Environmental Protection



Agency (Cal EPA) are embarking on Phase II of the Goods Movement Action Plan. To assist with the implementation of Phase II, work groups are being formed to address infrastructure, environmental impact mitigation, innovative and alternative financing, homeland security and public safety, and community impact mitigation and workforce development. The product of this collective effort will be a business plan that will detail high priority infrastructure projects for the improvement of goods movement in California, a comprehensive environmental mitigation strategy for improving air quality, measures to address the livability of communities adjacent to major goods movement facilities and corridors, and an innovative financing discussion and plan. For further information, please contact Gwen Strivers at gstrivers@bth.ca.gov.

NYSERDA Releases Report on TRUs

The New York State Energy Research and Development Authority (NYSERDA) has recently released a market study and technology assessment report on trailer refrigeration units (TRUs). The report, *Electric-Powered Trailer Refrigeration Unit Market Study and Technology Assessment*, is now available on-line at <http://www.nyserda.org/publications/ElectricPoweredTrailerRefrigeration.pdf>. Source: Joe Tario, NYSERDA

CONGRESSIONAL UPDATE

Correction to Last Month's Synopsis of Information in Energy Bill

The definition of "auxiliary power unit" was left out of the synopsis of the Energy Policy Act of 2005 (P.L. 109-58) in last month's issue. This term is defined in §756 as an integrated system that provides heat, air-conditioning, engine warming, or electricity to components on a heavy-duty vehicle and [emphasis added, ed.] is certified by EPA as meeting applicable emissions standards. In addition, the definition of "verified technology" in §791 means a pollution control technology that can include a retrofit technology, advanced truck stop electrification system, or auxiliary power unit that has been verified by EPA or CARB.

REGULATORY ACTIVITIES AND PUBLIC MEETINGS

Teleconference Set for October 4 for Cargo and Ship Auxiliary Engine Emissions

A teleconference for the cargo handling equipment workgroup/oceangoing ship auxiliary engine meeting will be held on Tuesday, October 4, 2005, from 1:30 p.m. to 4:00 p.m. PDT. The goal of this meeting is to share the methodologies used to develop the ship auxiliary engine and cargo handling equipment emissions estimates, proposed revisions to the draft regulations, and the cost estimates for cargo handling equipment. The first half of the teleconference will be devoted to cargo handling equipment, and the second half to oceangoing ship auxiliary engines. Meeting materials will be posted prior to the teleconference at these web sites: cargo handling equipment (<http://www.arb.ca.gov/cargo>) and oceangoing ship auxiliary engines (<http://www.arb.ca.gov/marine>). Toll-free call-in number: (800) 857-1778 Call-in number for international callers: +1 (773) 756-0108
Passcode: 52394

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If you have any questions, or if you plan to attend this meeting in person, please contact Paul Milkey at (916) 327-2957, pmilkey@arb.ca.gov, or Lisa Williams at (916) 327-1498, lwiliam@arb.ca.gov

Notice of Preparation for Southern California International Gateway Project Released

On September 19, 2005, the City of Los Angeles Harbor Department (LAHD) announced that it will be preparing an Environmental Impact Report (EIR) for the planning, design, construction, and operation of a near-dock intermodal rail facility, called the Southern California International Gateway Project (the SCIG Project or the Project) by the BNSF Railway. The proposed SCIG Project would be primarily located on State of California-owned property administered by LAHD in the City of Los Angeles, though portions of the Project would also be located in the City of Carson and City of Long Beach. Interested stakeholders are encouraged to attend the public meetings on October 6 in Long Beach and October 13 in Wilmington to help determine what should be analyzed in the EIR for this project. Written comments should be sent no later than November 4 to Ralph G. Appy, Director of Environmental Management, Los Angeles Harbor Department, 425 South Palos Verdes Street, San Pedro, CA 90731 or by e-mail to CEQAComments@portla.org. The NOP is available at http://www.portoflosangeles.org/environment_pn.htm or by calling (310) 732-3675.

Public Meeting on Reduced Emissions from Goods Movement Scheduled

CARB will be holding a public meeting on October 11, 2005, in Long Beach and November 1, 2005, in Oakland on ways to reduce emissions from goods movement, focusing on ports, rail yards, and major transportation corridors. The purpose of these meetings is to gather information from the public that can be used to develop an emissions reduction plan. Please see the complete meeting notice at <http://www.arb.ca.gov/planning/gmerp/gmerp.htm>. If you will be able to participate or have questions, please contact Jeff Weir as soon as possible at (916) 445-0098 or jweir@arb.ca.gov.

CARB to Hold Public Meeting on Cleaning Up School Bus Fleet

CARB will be holding a public meeting in Sacramento on October 14, 2005, to educate stakeholders on possible changes in the allocation and distribution process of the \$25 million appropriated to clean up California's school bus fleet by replacing or retrofitting older, high-emitting school buses. For more information, please go to <http://www.arb.ca.gov/msprog/schoolbus/schoolbus.htm>.

Date Changed for CARB/Railroad Statewide Agreement

The location and date of the public meeting for the CARB/Railroad Statewide Agreement, originally scheduled for September 22, 2005, in Los Angeles, has been rescheduled to October 27, 2005, in El Monte, California. For more information, please go to <http://www.arb.ca.gov/railyard/railyard.htm>. If you have any questions, please contact Erik White, CARB, (916) 324-8029, or ewhite@arb.ca.gov.



CARB Launches Rail Yard Website

The California Air Resources Board (CARB) has recently added a new web page for its "Rail Yard Emissions Reduction Program" at <http://www.arb.ca.gov/railyard/railyard.htm>. This website will highlight several efforts to reduce the emission impacts of rail yards on local communities. These efforts include a memorandum of understanding with Union Pacific (UP) and BNSF Railways to reduce locomotive emissions near rail yards and the development of new regulations to address on- and off-road vehicles at rail yards. Information on these efforts will continually be added to this web site as the development and implementation of those program progresses. [See specific activities from UP and BNSF starting on next page, ed.]

Among the information on this website is a new fact sheet on the agreement between CARB and the railroads; presentations from the public consultation meeting on August 11, 2005; and maps of major rail yards in California. There is also a new listserv for people interested in this rail yard emissions program, and you can sign up by going to <http://www.arb.ca.gov/listserv/listserv.php>. For further information, please contact Erik White (see above entry). Source: <http://www.arb.ca.gov/research/seminars/doe/doe.htm>

Schedule for Regulations for Oceangoing Ship Auxiliary Engines and Cargo Handling Equipment Pushed Back

There will be a minor delay in CARB's scheduling the adoption of proposed regulations for oceangoing ships auxiliary engines and cargo handling equipment at ports and intermodal rail yards. These regulations will now be considered for adoption at the December 8-9, 2005, Board meeting. Information regarding the two proposed regulations is available on the following web sites: <http://www.arb.ca.gov/marine> for oceangoing ship auxiliary engines and <http://www.arb.ca.gov/cargo> for cargo handling equipment. Source: Lisa Williams, CARB

TRUCK STOP ELECTRIFICATION

TSE Electrical Code Moves Closer to Adoption

The National Electrical Code (NEC) Task Force of the Electric Power Research Institute (EPRI) Truck Stop Electrification (TSE) Committee is submitting a standard for review by the National Fire Protection Agency (NFPA) for inclusion into the 2008 NEC. The code will cover the infrastructure needed to provide power from the utility to the truck. Existing 15 A block heaters will be permitted to be used as they are today. TSE equipment will provide for two 20 A, 125 V NEMA 5-20 receptacles, and an additional 30 A, 120/208 V, single-phase receptacle, all of the grounding type. The 30 A connection allows for the provision of additional electrical power from the TSE equipment for loads that may not have been anticipated. It also permits a truck to be connected by a single cord set in place of the two cord sets needed for the two 20 A circuits. The proposed code article will require an interlock or the use of a switched receptacle-plug and connector-inlet combination for the 20 A and 30 A circuits to reduce the risk of a shock hazard to persons in the event a plug or connector is connected or disconnected under load. The proposal also addresses infrastructure needs for TRUs. Please contact NEC Task Force chairman Greg Nieminski (silvergregn@cox.net); Brian Sisco (brian.sisco@sce.com), TSE Committee chairman; or Bob Graham (rgraham@epri.com) for more information.

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The SAE J2698 Committee is developing a recommended practice "Primary Single Phase Nominal 120 VAC Wiring Distribution Assembly Design." This SAE committee is continuing its work to align the J2698 draft with the NEC proposal. Please contact SAE J2698 chairman Mike Meleck, Phillips & Temro (meleck@phillipsandtemro.com) for more information.

Check Out Idling Reduction Articles in July Issue of RoadSTAR

The July 2005 issue of *RoadSTAR* magazine has "several good articles about truck stop electrification, idle reduction and fuel savings," according to Jeff Kim of Shurepower. The issue can be viewed online at <http://www.roadstaronline.com/> by going to "Archives" and then selecting the July 2005 issue. *Source:* Jeff Kim, Shurepower

Bond Issue to Extend Driver Education and Training Network

The Colorado Education and Cultural Facilities Authority (CECFA) has taken initial action for the proposed issuance of up to \$200 million in tax-exempt revenue bonds for a program that establishes remotely available, online driver education and training to long-haul truck drivers. The program will be delivered by the Driver Education and Idling Reduction Foundation (DEIRF) using IdleAire Technologies Corporation's Advanced Travel Center Electrification system. The initial phase of the program will include 70 new large truck stop locations in 28 States. With final approval expected later this year, it is anticipated that CECFA, a multi-state issuer of tax-exempt bonds for educational and cultural activities, will issue approximately \$146 million of bonds and loan the proceeds to DEIRF for the Project. For more information, please go to <http://www.deirf.org/new.cfm>. *Source:* Joe Tario, NYSERDA

RAILROAD NEWS

Union Pacific Hosts Presentation on Clean-Air Technology

On September 13, 2005, Union Pacific Railroad hosted a presentation on the company's advances in clean-air technology -- including a demonstration of its state-of-the-art locomotives -- for elected officials, CARB, and other invited guests at the California State Railroad Museum in Sacramento. The presentation included a review of Union Pacific's environmental goals regarding the recently announced Memorandum of Understanding with CARB and the BNSF Railway, which will reduce diesel emissions in and around the State's rail yards. The important new agreement calls for reductions that will be greater and quicker than any that could have resulted from regulatory or State processes, according to Union Pacific.

Three environmentally friendly locomotives were on hand for the event. One of them was the "Green Goat," California's first low-emission, diesel-hybrid yard locomotive, designed to cut air emissions by 80-90 percent and reduce diesel fuel use by 40-60 percent compared to conventional diesel-powered locomotives used in switching service (<http://www.railpower.com/UP10.html>). The Green Goat operates in rail yards, sorting out rail cars from inbound trains and assembling outbound trains. Union Pacific has ordered 10 more Green Goats from Railpower Technologies of Vancouver, British Columbia, for use in its Southern California rail yard operations. The diesel-hybrid locomotives will arrive late this year and continue into early 2006. For further information, please contact Kathryn Blackwell, Union Pacific, at (402) 544-3753. *Source:*



http://www.uprr.com/newsinfo/railroad/2005/0913_sacra.shtml

BNSF "Goes Green" in Southern California

Also on September 13, 2005, but in Los Angeles, BNSF Railway hosted community members from throughout Southern California, elected officials and their staff, as well as representatives from Federal, State, and local agencies. The "Going Green" event featured demonstrations and tours of the latest innovative equipment, including displays of BNSF's "Green Goat," a hybrid switch engine that uses a clean and efficient micro-turbine and batteries. Attendees viewed one of only four liquefied natural gas (LNG) locomotives in existence in the United States, all located at BNSF's Los Angeles facility.

Bus tours of BNSF's Hobart Yard, the Nation's busiest intermodal facility, were also provided. In addition, BNSF pledged that its proposed [Southern California International Gateway](#) (SCIG) intermodal facility will use only LNG-powered locomotives for railcar switching and "hostling" tractors for moving containers within the facility and only electrically powered cranes to lift containers between trucks and trains, subject to successful trials and testing. For more information, please see <http://www.bnsf.com/media/news/articles/2005/09/2005-09-13a.html>.

NEWS ABOUT PORTS

Oakland to Test Extended Gate Hours

The Port of Oakland has initiated a 2-3 month pilot program of extended gate hours at the Oakland International Container Terminal (operated by SSA Marine), one of the eight international container terminals in its system. The terminal facility will accept only export shipments during the night gates, which will run from 6 p.m. until 2:30 a.m., Monday through Friday and will operate at no cost to shippers, trucking companies, or truckers during the trial period. Oakland's extended gates project is a downsized version of the Los Angeles - Long Beach PierPass program instituted at these port facilities earlier this summer. The port's goal is to divert about 15 percent of the 2,500 daily truck trips to the night gates.

The Port of Oakland is the export gateway for much of California's agricultural commerce, including fruits, vegetables, dried nuts, and wine, among other valuable commodities. The night gates trial project was conceived partly in response to concerns from major export agricultural shippers that daytime traffic congestion has reduced the ability of their drivers to make efficient and cost-effective "turns," or trips to and from the Port of Oakland during normal business hours. For more information please go to www.portofoakland.com, or contact Curtis Whalen at cwhalen@trucking.org. Source: Truckline Express, September 12, 2005

New Web Site Launched for Ports in Puget Sound

The Puget Sound Maritime Air Forum now has its web site up and running. This group is voluntary association of private and public maritime organizations, air agencies, and other parties with operational or regulatory responsibilities related to maritime industry air quality impacts. Forum members are committed to accurately identifying and quantifying maritime-

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related sources of air pollution and seeking ways to voluntarily reduce air pollution impacts from this transportation sector. Please see <http://www.maritimeairforum.org> for more information.

OTHER NEWS OF INTEREST

NRCan and EPA Announce Voluntary Cross-Border Projects

Natural Resources Canada (NRCan) and EPA have formed a partnership to cut freight emissions and save fuel. NRCan will use its FleetSmart program and EPA's SmartWay Transport Partnership to coordinate voluntary cross-border projects with the freight industry focusing on idling reduction, deployment of clean technologies, and driver training and awareness. The agencies signed a memorandum of understanding at a freight facility near the Ambassador Bridge Border Crossing in Michigan. There are 13 million truck border crossings between Canada and the United States every year, including 3.3 million at this bridge. Additional information on both programs and the new partnership is available at <http://www.epa.gov/smartway> and <http://oee.nrcan.gc.ca/transportation/fleetSMART.cfm>.

Sacramento 49er Travel Plaza Hosts Idle Reduction Technology Fair

An Idle Reduction Technology Fair was hosted by the Sacramento 49er Travel Plaza on September 13, 2005. This unique event featured vendor displays from 16 suppliers of idle reduction technology. Truckers were able to check out examples of APUs, gen sets, electric air- conditioning, evaporative coolers, phase change thermal storage systems, and inverters and cab wiring kits. The Sacramento 49er is one of the first travel plazas in the United States to offer free shore power electrical connections to truckers for use during rest periods. The Idle Reduction Technology Fair helped to provide needed information about alternatives to the long held tradition of idling the main engine during rest periods. These alternatives save money for truckers, reduce petroleum consumption and reduce air pollution. *Source:* Bill Warf, Sacramento Municipal Utility District

Update on Central Texas Idling Restrictions

According to Cathy Stephens of the Capital Area Metropolitan Planning Organization in Austin, Texas, Central Texas is in an educational phase of its implementation plan, and idling restrictions will not be enforced until April 1, 2006. She also advises that the Texas Legislature passed House Bill 1540 this past legislative session. HB 1540 does allow the idling of a vehicle when it is used to cool or heat the sleeper berth for a driver taking his/her federally mandated rest period, but it prohibits idling for a mandated rest period in a school zone or within 1,000 feet of a school during its hours of operation. HB 1540 was effective Sept 1, 2005, statewide and will be in effect until Sept 1, 2007.

There is now a website (<http://www.engineoff.org>) and an information phone line (512-343-SMOG) up and running. The website provides detailed information on the regulation and relevant links, and the phone line gives a quick recorded overview. The website is currently a work in progress so keep going back to it to find out more information. *Source:* Cathy Stephens, CAMPO, (512) 974-1861, cathy.stephens@campotexas.org

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Back Issues of National Idling Reduction Network News Available On-Line

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

Look at the document at the following site for the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations. <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Editor

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In Memoriam Sid Diamond *January 6, 1933 – August 17, 2005*

The idling reduction community has lost a man whose curiosity knew no bounds and whose quest for knowledge was legendary. Using U.S. Department of Energy (DOE) funding, he supported a considerable number of ground-breaking technology development projects and analytical studies, including the More Electric Truck and *Analysis of Technology Options to Reduce the Fuel Consumption of Idling Trucks*. We will all miss his passion for his work, his family, and his fellow human beings. To quote Paul Abelson of *Land line* magazine, "He was one of the Good Guys!" *Source:* Linda Gaines, Argonne National Laboratory



SOLICITATIONS AND AWARDS

Interest in Small Business Advantage Grants Overwhelms Pennsylvania Program

In just 1 month, demand for State grants for idling reduction technology on trucks has exceeded the funds available from the Pennsylvania's Small Business Advantage Grant program. The Pennsylvania Department of Environmental Protection's Office of Energy Technology and Deployment recently had to announce that it cannot accept additional new applications for this kind of project for the fiscal year starting July 1, 2005. The Small Business Advantage Grant program was designed to help small business owners put in place equipment or processes that enhance energy efficiency or promote pollution prevention. Over the past fiscal year, a diversity of projects was funded such as process improvements, wind power, and high-efficiency lighting in addition to truck equipment. The previous year's program awarded 88 grants for a total of over \$300,000 to truck idling reduction equipment. About \$1 million has been available each year. For more information, contact Dave Barnes at (717) 772-5160 or epadvantagegrant@state.pa.us, or please go to <http://www.dep.state.pa.us/dep/deputate/pollprev/Ombudsman/Advantage/ADVANTAGE.htm>. *Source:* Arleen Shulman, Bureau of Air Quality, Pennsylvania Department of Environmental Protection

West Coast Diesel Collaborative Awards \$1.4 Million to Combat Diesel Pollution

On August 22, 2005, the U.S. Environmental Protection Agency (EPA) announced that its West Coast Collaborative had awarded \$1.4 million as the cost-share of 16 grants totaling over \$5.8 million to reduce diesel pollution in California, Oregon, and Washington State. Among the projects funded were:

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- Advanced Locomotive Emission Control System in Roseville, California
- Truck Fleet Idle Reduction Demonstration Project with the Sacramento Municipal Planning District
- I-5 Truck Idle Reduction Rebate Project with the Oregon Department of Energy
- Puget Sound Maritime Air Emissions Inventory & Diesel Emissions Reduction Project with the Puget Sound Maritime Air Forum.

Further information is available at <http://www.westcoastcollaborative.org/grants/index.htm>. Source: Michelle Roos, EPA Region 9

DOE Leverages Almost \$1 Million in Awards for Idling Reduction

The DOE Clean Cities program announced on August 30, 2005, the award of cost-shared grants to six Clean Cities Coalitions in five States. DOE contributed \$434,699 to the almost \$1 million in awards. Winning grant applications were from:

- Clean Cities Atlanta Partnership for Clean Transportation and Li-Way Transport & Storage for installation of Pony Pack auxiliary power units on 16 trucks
- Capital District (Albany, New York) Clean Communities and New York State Energy Research and Development Authority (NYSERDA) to install an Espar coolant heater idle reduction system in 35 school buses
- Central Indiana Clean Cities Alliance to install 30 ProHeat idle reduction kits on Styline's fleet (an EPA SmartWay partner)
- Denver Metro Clean Cities and Flatiron Improvement District to develop a public awareness campaign on idling reduction technology
- Clean Communities of Western New York to provide start-up electrical power to engine block heaters already installed in the 100 school bus fleet
- Baltimore Clean Cities and Maryland Transit Administration to purchase and install Clever Devices BusLink Switches on approximately 100 transit buses.

Further information is available from Shelley Launey, DOE, at (202) 586-1573 or shelley.launey@ee.doe.gov. http://www.eere.energy.gov/state_energy_program/projects_all_state.cfm

CONFERENCES, PUBLIC MEETINGS, AND WEB EVENTS

Everything You Wanted to Know about Freight Provisions in SAFETEA-LU to be Subject of Webcast

A special "Talking Freight" webcast will be held on September 12, 2005, from 1:00 to 2:30 p.m. EDT to discuss the freight provisions of the new transportation legislation, the Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users (SAFETEA-LU). Tony Furst, Director of the Federal Highway Office of Freight Management and Operations, will be giving this presentation. The event will be recorded for those who cannot make it on this date.

To register, please go to <http://talkingfreight.webex.com/>. After registering, you will receive an e-mail with login instructions. If several people from your office plan on viewing this webcast, you are encouraged to view it together from a single location, such as a conference room. If you decide on this approach, only one person from your office needs to register. If you have any questions, please contact Carol Keenan, Office of Freight Management and Operations, at (202) 366-6993, carol.keenan@fhwa.dot.gov

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or Eloise Freeman-Powell, Office of Planning, (202) 366-2068, eloise.freeman-powell@fhwa.dot.gov.

Technology Fair to Showcase Idling Reduction Equipment in Sacramento

The Sacramento (California) 49er Travel Plaza will be the site for the Idle Reduction Technology Fair on Tuesday, September 13, 2005. Please contact Gil Tisdale at (916) 927-4774, extension 241, if you would like to display equipment. For further information, please contact Bill Warf, Sacramento Municipal Utility District, at (916) 732-6976.

Reducing Railroad Emissions on Agenda for Next CARB Board Meeting

CARB has posted the agenda for its Public Board Meeting to be held on September 22, 2005 at 2:00 p.m. in Los Angeles. The purpose of the Board Meeting is to consider public comment on the CARB/Railroad Statewide Agreement for a particulate emissions reduction program at California rail yards, entered into on June 24. There will also be a webcast of this meeting. For more information, please contact Erik White at (916) 324-8029, or go to <http://www.arb.ca.gov/board/ma/2005/ma092205.htm>.

October Conference on Marine Fuel to Focus on Emissions

The Marine Fuel Sustainability Forum will be held in San Francisco, California, on October 5-7, 2005. The conference will provide an opportunity to hear industry representatives and regulators debate and discuss global marine emissions issues, including the need to develop strategies for both cleaner fuels and economic growth. Information is available at <http://www.bunkerworld.com/sanfran2005>. Source: Lisa Williams, California Air Resources Board (CARB)

West Coast Collaborative Marine Vessels and Ports Workgroup to Meet in San Francisco

On October 5, 2005, the West Coast Collaborative Marine Ports and Workgroup will meet at Pier 1 at the San Francisco Embarcadero to discuss emerging technology opportunities, partnering with port customers, international shipping standards, and identifying a workgroup collective action plan. If you wish to attend, please contact Brewster Boyd at (206) 447-1805 or brewster.boyd@ross-assoc.com by September 9.

CARB to Hold Public Hearing on Reducing Idling Emissions from New and In-Use Trucks Starting in 2008

The California Air Resources Board will conduct a public hearing on October 20, 2005, in Sacramento to consider adoption of amendments to California regulations for new and in-use heavy-duty diesel engines and trucks. This item will be considered at a 2-day meeting of the Board, which will commence at 9:00 a.m., October 20, 2005, and may continue at 8:30 a.m., October 21, 2005. This item may not be considered until October 21, 2005. Please consult the agenda for the meeting, which will be available at least 10 days before October 20, 2005, to determine the day on which this item will be considered. For further information, please go to <http://www.arb.ca.gov/regact/hdvidle/hdvidle.htm> or contact Daniel Hawelti, CARB, at (626) 450-6149 or dhawelti@arb.ca.gov.

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CONGRESSIONAL UPDATE

EPA FY 2006 Appropriations Bill Signed

President Bush signed H.R. 2361, the bill containing appropriations for EPA, on August 2, 2005. EPA's voluntary programs to reduce diesel emissions will receive \$15 million for FY 2006, allocated as shown below:

- \$5 million for the National Clean Diesel Campaign, of which the West Coast Collaborative will get a substantial portion of the funds during the first year
- \$3 million for Communities Activated for a Renewed Environment (CARE)
- \$7 million for the Clean School Bus USA program.

Source: Michelle Roos, EPA Region 9

Idling Reduction Provisions in New Landmark Legislation

President Bush recently signed two long-term authorization bills that have provisions pertaining to idling reduction. On August 8, he signed the Energy Policy Act of 2005 (EPAct 2005), the first energy bill since 1992, and on August 10, he signed the SAFETEA-LU, the authorization for the U.S. Department of Transportation.

One must keep in mind that the Federal budget process is a two-step process: first comes authorization of appropriations, then the appropriations themselves. Funding in EPAct 2005 and SAFETEA-LU is only authorized. Unless the monies are actually appropriated, no money can be spent.

Below is a summary of provisions that pertain to idling reduction.

EPAct 2005 (H.R. 6 Conference Report 109-190)

- *§751, Railroad Efficiency*

DOE, in cooperation with DOT and EPA, is to establish a cost-shared, public-private research partnership involving the Federal Government, railroad carriers, locomotive manufacturers and equipment suppliers, and the Association of American Railroads, to develop and demonstrate railroad locomotive technologies that increase fuel economy, reduce emissions, and lower costs of operation. Authorizations for appropriations are \$15 million in FY 2006, \$20 million in FY 2007, and \$30 million in FY 2008.

- *§756, Reduction of Engine Idling*

EPA has several responsibilities in this section. Within 90 days of enactment of this law, it must:

- Commence a review of its mobile source air emission models
- Determine whether the models accurately reflect the emissions resulting from long-duration idling of heavy-duty vehicles and other vehicles and engines

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- Update those models as appropriate
- Commence a review of the emission reductions achieved by the use of idle reduction technology
- Complete such revisions of the regulations and guidance as appropriate.

Within 180 days of enactment, EPA must complete these reviews and make the results publicly available. The reports can also talk about potential fuel savings due to using idle reduction technology (see definitions below).

In consultation with DOT, EPA's SmartWay Transport Partnership will establish a program that supports deployment of idle reduction technologies and energy conservation technologies. Funding in FY 2006 is authorized at \$19.5 million; in FY 2007, at \$30 million; and in FY 2008, at \$45 million. There must be 50-percent cost-sharing provided by non-Federal entities.

There is also an authorization for SmartWay to reduce extended idling of locomotives using \$10 million in FY 2006, \$15 million in FY 2007, and \$20 million in FY 2008. There is also a requirement for 50-percent cost-sharing provided by non-Federal entities.

EPA, again in consultation with DOT, must begin a study to analyze all locations at which heavy-duty vehicles stop for long-duration idling, including truck stops, rest areas, border crossings, ports, transfer facilities, and private terminals. This study must be completed within 180 days of enactment of the law.

The term "idle reduction technology" is defined in this section as an advanced truck stop electrification system, an auxiliary power unit, or other technology that is used for long-duration idling and allows for the main drive engine or auxiliary refrigeration engine to be shut down. "Energy conservation technology" means a device, system of devices, or equipment that improves the fuel economy.

This section allows a weight increase in heavy-duty trucks by 400 pounds without penalty if the increase is associated with the added weight of idle reduction technology.

- *\$792 and \$793, National Grant and Loan Programs and State Grant and Loan Programs*

EPA is charged with establishing two grant programs and low-cost revolving loan funds. The agency is authorized for funding at \$200 million each year for FY 2007 – FY 2011. The National Grant and Loan Programs will receive 70 percent of the funds, while the State Grant and Loan Programs will receive the remaining 30 percent. The money is to go to eligible entities to achieve significant reductions in diesel emissions, particularly in low air-quality areas. For the National program, which is competitive, fleets are eligible to receive 50 percent of the funding. Grantees or entities receiving loans can be truck stops, ports, rail yards, terminals, and distribution centers in areas of poor air quality and high population density. Entities can retrofit their equipment or work on programs or projects to reduce long-

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duration idling. Under the State grant and loan program, the State can develop and implement a program that will meet its needs and goals pertaining to the reduction of diesel emissions. The amount of funding that each State receives depends on the number of States requesting funding.

SAFETEA-LU

- *§1113, Surface Transportation Program*

Advanced truck stop electrification systems are now eligible for funding under this section. The term "advanced truck stop electrification system" means a system that delivers heat, air-conditioning, electricity, or communications to a heavy-duty vehicle.

- *§1305, Truck Parking Facilities*

This section addresses the shortage of long-term parking facilities for commercial motor vehicles. It requires DOT to create a pilot program, in cooperation with State, regional, and local governments, to solve the problem by any of these solutions:

- constructing safety rest areas that include parking for commercial motor vehicles
- constructing commercial motor vehicle parking facilities adjacent to commercial truck stops and travel plazas
- opening existing facilities to commercial motor vehicle parking, including inspection and weigh stations and park-and-ride facilities
- promoting the availability of publicly or privately provided commercial motor vehicle parking on the National Highway System using intelligent transportation systems and other means
- constructing turnouts along the National Highway System for commercial motor vehicles
- Making capital improvements to public commercial motor vehicle parking facilities currently closed on a season basis to allow the facilities to remain open year-round
- Improving the geometric design of interchanges on the National Highway System to improve access to commercial motor vehicle parking facilities.

Starting in FY 2006, \$6.25 million is authorized for each of next 4 fiscal years.

- *§ 1306, Freight Intermodal Distribution Pilot Grant Program*

Grants may be awarded to States to facilitate and support intermodal freight transportation initiatives at the State and local levels to relieve congestion, improve safety, and provide capital funding to address infrastructure and freight distribution needs at inland ports and intermodal freight facilities. Priority should be given for grants to reduce congestion into and out of international ports located in the United States, to demonstrate ways to increase the likelihood that freight container



movements involve freight containers carrying goods, and to establish or expand intermodal facilities that encourage the development of inland freight distribution centers. This section earmarks 20 percent of the authorized funding to six locations in five States: Oregon, Georgia, California, Alaska, and North Carolina.

- *§1412, Idling Reduction Facilities in Interstate Rights-Of-Way*

This section permits electrification or other idling reduction facilities and equipment used by commercial vehicles to be placed in rest and recreational areas that are on the rights-of-way of the Interstate Highway System, as long as this doesn't diminish the number of existing designated truck parking spaces. The States may charge for the use of the spaces or permit the charging of a fee for use of those parking spaces actively providing power to a truck to reduce idling. The exclusive purpose of these facilities will enable operators of commercial motor vehicles to reduce idling while parked in the rest or recreational area and to use installed or other equipment specifically designed to reduce idling of trucks or proved alternative power to support driver comfort while parked.

- *§ 1601, Transportation Infrastructure Finance and Innovation Act Amendments*

SAFETEA-LU authorizes a total of \$610 million through FY 2009 to pay the subsidy cost (similar to a commercial bank's loan reserve requirement) of supporting Federal credit under the Transportation Infrastructure Finance and Innovation Act (TIFIA). To encourage broader use of TIFIA financing, the threshold required for total project cost is lowered to \$50 million, and eligibility is expanded to include public freight rail facilities or private facilities providing public benefit for highway users, intermodal freight transfer facilities, and access to such freight facilities and service improvements to such facilities, including capital investment for intelligent transportation systems.

- *§1808, Addition to CMAQ-Eligible Projects*

The Congestion Mitigation and Air Quality Program (CMAQ), continued in SAFETEA-LU at a total funding level of \$8.6 billion through 2009, provides a flexible funding source to State and local governments for transportation projects and programs to help meet the requirements of the Clean Air Act. Funding is available for areas that do not meet the National Ambient Air Quality Standards (nonattainment areas) as well as former nonattainment areas that are now in compliance (maintenance areas). The formula for distribution of funds, which considers an area's population by county and the severity of its ozone and carbon monoxide problems within the nonattainment or maintenance area, with greater weight given to areas that are both carbon monoxide and ozone nonattainment/maintenance areas, is continued. SAFETEA-LU requires the Secretary to evaluate and assess the effectiveness of a representative sample of CMAQ projects, and maintain a database. Advanced truck stop electrification and diesel retrofit projects are now eligible for funding under this section. Outreach activities are to be supported to provide assistance to diesel equipment and vehicle owners and operators regarding the purchase and installation of diesel retrofits. DOT and EPA are to work together on the requirements of this section.

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For more information about SAFETEA-LU, please go to <http://www.fhwa.dot.gov/reauthorization/conference.htm>. Source: Diane Turchetta, Federal Highway Administration

OTHER NEWS OF INTEREST

Texas Gets Serious about Idling of Heavy Vehicles

According to the *Daily Texan* and *News 8 Austin* staff, the Central Texas Clean Air Coalition announced new idling restrictions for heavy-duty vehicles in Bastrop, Caldwell, Hays, Travis, and Williamson counties. Elected officials from these counties and seven cities signed an agreement with the Texas Council on Environmental Quality to locally enforce new State idling limits. The implementation plan stipulates that it will be a violation of State law for operators of vehicles having a gross vehicle weight of more than 14,000 pounds to idle for more than 5 minutes during the Central Texas Ozone Season, which is April 1 through October 31. Certain exceptions do apply, such as heavy traffic that may cause a vehicle to remain motionless, or if a vehicle is idling for maintenance or diagnostic purposes.

The coalition favors the locally enforced plan as it helps to reduce excess fuel consumption and increase engine life, thus conserving money and improving air quality. Inside city limits, cities can either take violators directly to court and seek penalties of \$1,000 or more, or adopt a municipal ordinance and write tickets to violators for fines up to \$500. Outside city limits, violators will be taken directly to court by the county for penalties of \$1,000 or more. Source: Joe Tario, NYSERDA

IdleAire Ventures into Terminals

The Great America Trucking Show on August 25, 2005, was the site for IdleAire's announcement that it has signed an agreement with Oklahoma-based Arrow Trucking Company to build 50 spaces at Arrow's terminal in Tulsa. IdleAire also announced that it is in discussion with fleets that control 113 terminals, and the company will work to provide its equipment at intermodal facilities, ports, border crossings, and transfer facilities. Arrow is an EPA SmartWay Transport Partner. http://www.idleaire.com/newsroom/releases/08_25_2005.jsp
Source: Diane Turchetta, Federal Highway Administration

IRS Removes Taxes on Diesel Fuel in Wake of Hurricane Katrina

According to the *Sacramento Bee*, the Internal Revenue Service acted on September 2, 2005, to expand the nationwide supply of diesel fuel by lifting some excise taxes. The action allows diesel fuel intended for farm equipment and Government vehicles to be used by commercial trucks and other vehicles without a special tax. The decision lifts Federal excise taxes typically imposed when diesel is used outside of farm and Government work. Treasury Department officials said the possibility of reducing the Federal tax on gasoline is not under active consideration in the administration. They said it would require legislation to reduce the tax. For more information, please go to <http://www.sacbee.com/24hour/politics/story/2683934p-11216496c.html>.

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California Senate Rejects Cindy Tuck as Chair of Air Resources Board

The Democratic-led California Senate rejected Governor Arnold Schwarzenegger's nominee to head the Air Resources Board on September 1 on the grounds that she represented industrial, rather than environmental, interests. The party-line vote of 24-14 came a day after a Senate committee recommended against appointing Cindy Tuck to head the Air Resources Board. For further information, please go to <http://www.sacbee.com/content/politics/story/13507708p-14348276c.html>. According to the Environmental News Network, the Governor will name a new leader to the agency as soon as possible. Ms. Tuck must step down as Chair within 60 days. <http://www.enn.com/today.html?id=8683>

PRESENTATIONS NOW AVAILABLE FROM SEVERAL MEETINGS

2005 Clean Cities Conference and Exposition

Judging by all standards, the 2005 Clean Cities Conference was quite successful. According to the conference planners, there were 1,282 attendees at the event in May 2005 in Palm Springs, California, a 41-percent increase over last year. Next year the conference will be held in Phoenix, Arizona, on May 7-10, 2006. The presentations from the 2005 conference can be found at <http://www.afvi.org/palmsprings/index.html>.

Forward Wisconsin: Reducing Emissions for the Long Haul

Presentations from the July 20, 2005, "Forward Wisconsin: Reducing Diesel Emissions for the Long Haul" held at the Milwaukee Area Technical College, in Oak Creek, Wisconsin, are now posted at the EPA Region 5 website. <http://www.epa.gov/region5/air/mobile/presentations.htm>
Source: Julie Magee, Regional 5 EPA

DOE 11th Diesel Engine Emissions Reduction Conference and EPA Clean Air Innovations Conference

Both of these conferences will have presentations and posters on their websites within the next week or so. Please go to <http://www.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.shtml> and <http://www.cleanairinfo.com/airinnovations2005/>, respectively, to view these materials and ask to be added to their mailing lists for future events.

Back Issues of National Idling Reduction Network News Available On-Line

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

Look at the document at the following site for the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations. http://www.atrionline.org/research/results/idling_chart.pdf. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership.

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This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Editor

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SOLICITATIONS FOR FUNDING AND AWARDS

Calling All Inventors for New Funding Opportunity

The U.S. Department of Energy (DOE) Inventions & Innovation program (<http://www.eere.energy.gov/inventions>) is expected to release its next solicitation sometime in August 2005. The solicitation offers up to \$50,000 to inventors who have energy-related technologies in early-stage development. For those inventors who have prototypes and need assistance with commercialization, there is an opportunity for up to \$250,000. In the past, several commercially successful idling reduction technologies have been supported by this program. To receive e-mail notification of upcoming solicitation, subscribe to the Federal Grants Notification Service at <http://fedgrants.gov/grants/servlet/AppRegAgency>. Enter your e-mail address, then select "Energy" as the Category of Funding Activity. Next, enter "81.036" as the CFDA Number for Inventions & Innovation. Then, select "Department of Energy" as the Agency. Finally, click "Subscribe to Mailing List." *Source:* Lisa Barnett, DOE, lisa.barnett@ee.doe.gov

FMCSA Looking Into E-Parking Truck Stop System

The Federal Motor Carrier Safety Administration (FMCSA) is soliciting proposals under a Broad Agency Announcement to consider new and commercially available technologies that demonstrate a business case for an information service to convey real-time parking availability to truck drivers 24 hours per day, 7 days per week. Awards for the "Smart Park" system will be for a maximum period of performance of 2 years. About \$2 million is available for projects. FMCSA said the proposals, which are open to businesses, truck stop associations, nonprofit organizations, educational and research institutions, and State and local government agencies, are due September 16, 2005. Further information is available at <http://www1.epa.gov/spg/DOT/DTMC75/00075/DTMC75%2D05%2DBAA%2D00001/SynopsisP.html> *Source:* *Transport Topics*, June 20, 2005, <http://www.ttnews.com/members/topNews/0013268.html>

Pennsylvania Opens Solicitation for Second Round of Small Business Advantage Grants

The Pennsylvania Department of Environmental Protection (DEP) has released a solicitation for its Small Business Advantage Grant Program, which is open to small business owners whose business or facility is located in Pennsylvania. This grant program has been extremely popular, awarding more than \$700,000 to 150 recipients across the State since being launched in July 2004. The program provides a 50-percent matching grant of up to \$7,500 for equipment or processes to reduce energy consumption and promote pollution prevention while helping to increase profitability for small businesses. Many trucking companies have received awards under this program to purchase auxiliary power units to reduce idling of their trucks.

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An eligible applicant must be a for-profit business enterprise that is a corporation, limited liability company, partnership, sole proprietorship, or other legal entity that has no more than 100 employees and is a separate legal business entity at the time the application is submitted. Applicants may be manufacturers or service providers. The project for which the grant applies must be located within the applicant's Pennsylvania facility. Grants are awarded on a first-come, first-serve basis.

Applications for the Small Business Advantage Grant Program will be accepted through January 6, 2006. Applications can be downloaded from the DEP's Web site at www.dep.state.pa.us, keyword: "SBAdvantage." To receive an application package by mail, call (717) 783-8411, or e-mail DEP at epadvantag grant@state.pa.us.

EESI Seeks Nominations for "National Clean Bus Leaders"

Starting in 2004, the Environmental and Energy Study Institute (EESI) honored fleets in five States for their leadership in bringing cleaner buses and fuels to America's communities. Nominations are now open for this year's awards for transit agencies, school districts, or communities in the United States that are national clean bus leaders. Emphasis is on improvements to air quality and impacts on public health and energy security. Nominations are due on Friday, August 31, 2005. Please contact Shefali Ranganathan at (202) 662-1883 or sranganathan@eesi.org for further information.

SOLICITATION AWARDS

NYSERDA Announces Awards from Its Recent PON

Under the first round of Program Opportunity Notice (PON) 920, the New York State Energy Research and Development Authority (NYSERDA) recently approved \$1.6M to fund 12 advanced transportation technology product development projects. Of interest to the readers of this newsletter, two of the projects include the integration of a shore power-capable tractor equipped with a hybrid-electric transport refrigeration unit and a New York City refuse fleet demonstration of hydraulic-hybrid technology. NYSERDA expects that \$1 M will be available for the second round of proposals, which are due on October 5, 2005. Further information on PON 920 is available on the NYSERDA website at <http://www.nyserda.org/Funding/funding.asp?i=2> Source: Joe Tario, NYSERDA

CONFERENCES, MEETINGS, AND WORKSHOPS

CAPCOA to Host Free Diesel Emissions Conference in Sacramento

The California Air Pollutions Control Officer's Association (CAPCOA) is hosting a free diesel emissions reductions technical conference for public agency and utility fleets on August 15-16, 2005, in Sacramento, California.

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An overview of the proposed CARB Public Fleet regulation, available pollution control technologies, and the use of lower polluting technologies for heavy-duty diesel vehicles owned or operated by public agencies will be provided. For more information, please go to:
http://www.caltrux.org/downloads/pdf/Public_Downloads/General/CAPCOA.pdf

Carl Moyer Workshop Notice and Agenda Now Available

The California Air Resources Board (CARB) will be discussing revisions to its Carl Moyer grant program at a workshop in Sacramento on August 17-19, 2005. The workshop will also be webcast. The session on August 17 will cover idling reduction strategies, such as truck stop electrification. For further information, please go to
<http://www.arb.ca.gov/msprog/moyer/wkshpnotice071405.pdf>

11th DEER Conference to be Held in Chicago on August 21-25

DOE is hosting its 11th Diesel Engine Emissions Reduction (DEER) Conference on August 21-25, 2005, at the Palmer House Hilton in Chicago, Illinois. DEER has been DOE's primary mechanism for the public exchange of state-of-the-art clean diesel research and development. Presentations will be on high-efficiency clean combustion technologies, health and environmental effects, fuels and lubricants, emission control, and waste heat utilization. For further information, please go to
<http://www.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.shtml>

Date for CARB Hearing on Proposed Heavy-Duty Vehicle Idling Rule Changed

The CARB public hearing scheduled for a September 15-16, 2005, Board meeting for the proposed Heavy-Duty Diesel Vehicle Idling Reduction Regulation has been postponed to the October 20-21 CARB hearing. The October CARB hearing will be held in Sacramento at the California Environmental Protection Agency building at 1001 "I" Street, Sacramento, CA 95812. Source: Dan Hawelti, ARB, dhawelti@arb.ca.gov

REGULATORY ACTIVITIES

Diesel Emissions Reduction Act Wends Its Way through Congress

The Diesel Emissions Reduction Act of 2005 recently passed the Senate Environment and Public Works Committee. This bill, introduced in the Senate by Senator George V. Voinovich (R-OH), would authorize \$1 billion available over 5 years for grants and loans to reduce emissions from diesel vehicles. The U.S. Environmental Protection Agency (EPA) would be authorized to use 70 percent of the funds for diesel retrofit (repowering or new diesel engines) or idling reduction programs. Eligible diesel-powered vehicles would be buses, medium- and heavy-duty trucks, marine engine, locomotives, and nonroad engines or vehicles used for construction, cargo

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handling, agriculture, mining, or energy production. For further information, please see *Fleet Owner Newsline*, July 22, 2005,

http://fleetowner.com/news/diesel_retrofit_voinovich_engine_bill_072105/ and

http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_bills&docid=f:s1265is.txt.pdf

Texas Governor Stalls Idling Regs by Signing Bill into Law

Governor Rick Perry signed a bill June 17, 2005, to override some idling rules in Texas. The new law takes effect Sept. 1, 2005, and it allows truckers to idle their rigs during Federal Hours of Service-mandated rest periods until September 1, 2007. This date corresponds with stringent diesel emission reductions slated to start at that time. The new rule, previously HB1540, also prohibits and limits adoption or enforcement of rules that ban trucks and other vehicles from idling when necessary to power a heater or air-conditioner while a driver is using the vehicle's sleeper berth for a mandated rest period. It overrides a recent Texas Commission on Environmental Quality ruling permitting cities to opt into a rule that outlaws idling for more than 5 minutes for any reason in a truck. Existing state law prohibits idling for longer than 5 minutes from April 1 to October 31 in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties. The new rule does not change that. It also prohibits idling while using a vehicle's sleeper berth within 1,000 feet of a public school while class is in session. Violators could be fined up to \$500. For further information, please see *Land Line* magazine, June 22, 2005,

http://www.landlinemag.com/todays_news/Daily/2005/Jun05/062205.htm and

<http://www.capitol.state.tx.us/tlo/79R/billtext/HB01540F.HTM>

Texas Counties to Begin Enforcing Idling Restrictions

As of August 1, 2005, truckers driving in or through the five counties surrounding Austin, Texas, will be subject to enforcement of State idling restrictions. According to the Central Texas Clean Air Coalition, the rules state that vehicles weighing more than 14,000 pounds will not be allowed to idle for more than 5 minutes during ozone season, which is from April 1 through October 31. However, there are several exemptions that apply directly to truck drivers, including: Vehicles idling in traffic congestion; military, emergency or law enforcement vehicles; vehicle owners that have rented or leased a vehicle to someone they do not employ; vehicles that require the motor to run as a power source for mechanical operations; and truck drivers who are idling to run air-conditioning or heaters during a federally mandated rest period.

The exemptions were OK'd by the Texas Legislature earlier this year and are in effect until 2007. Previous State laws allowed cities and counties to opt into a rule to outlaw idling for more than 5 minutes for any reason in a truck. Members of the clean air coalition, which includes five counties and seven cities in the Austin area, will sign an agreement to enforce the regulations on August 1. Eight other counties around the Houston area already enforce the rules.

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For further information, please see *Land Line* magazine, July 26, 2005, http://www.landlinemag.com/todays_news/Daily/2005/Jul05/072605.htm#2 Source: Paul Abelson, *Land Line* magazine

Pennsylvania County Using Peer Pressure for Idling Enforcement

The Allegheny County (Pennsylvania) Health Department – with a service area that includes Pittsburgh – implemented a new regulation that prohibits trucks and buses from idling their diesel engines for longer than 5 minutes. Violators will face fines of up to \$500. However, exceptions will be made for vehicles that are picking up passengers, warming their engines, or running heating and air-conditioning for sleeping inside trucks' cabs, *The Associated Press* reported. Despite being a regulation, officials with the Health Department said they want to enforce the idling restriction by word-of-mouth in the neighborhood. For further information, please see *Land Line* magazine, July 18, 2005, http://www.landlinemag.com/todays_news/Daily/2005/Jul05/071805.htm#2

Concord, N.C., Adopts Idling Reduction Policy for City Employees

The City of Concord in the Greater Charlotte Region of North Carolina has adopted an idling reduction policy effective June 1, 2005. This policy applies to all City of Concord employees that operate City-owned gasoline- or diesel-powered vehicles or equipment. In general, once a vehicle becomes stationary for longer than 2 minutes, the engine is to be turned-off unless it falls within one of almost a dozen exemptions. These exemptions range from cooling a vehicle for a K-9 unit to idling in traffic to operating heating or air-conditioning on transit, commuter, and airport buses for passengers. Please contact Jason Wagner, Centralina Council of Governments at (704) 348-2707 or jwagner@centralina.org for further information. Source: Jason Wagner

Watch for Comment Period for Proposed Model Idling Reduction Regulation

The U.S. Environmental Protection Agency (EPA) recently completed its series of five workshops around the country to facilitate the development of a model idling reduction regulation that could be implemented by States and localities interested in regulating truck idling. EPA is not regulating idling and is not specifically recommending that States or localities pass idling regulations. The agency hopes, however, that those who do choose to regulate idling might adopt this model in an effort to make such regulations more consistent from State to State. The next step will be for EPA to distill what it learned during the workshops from State environmental officials, trucking industry representatives, and others into a draft model and background information for public comment. EPA expects to publish this draft model in the *Federal Register* in the fall of 2005.

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The comment period will be approximately 1 month. *Source:* Michael Zatz, EPA, zatz.michael@epa.gov

OTHER ITEMS OF INTEREST

Agenda Established to Reduce Diesel Emissions from Rail Yards

CARB announced on June 24, 2005, that it has established a Memorandum of Understanding (MOU) with Union Pacific Railroad (UP) and Burlington Northern Santa Fe Railway (BNSF). This voluntary agreement obligates the railroads to significantly reduce diesel emissions in and around rail yards in California. Among the most important elements of the agreement are provisions that will significantly clean up the State's biggest rail yards. One of these provisions is a State-wide idling-reduction program to eliminate all non-essential idling through the use of idling reduction devices and operational changes. Another provision requires that more than 99 percent of all intrastate locomotives must be equipped with automatic idling reduction devices by June 30, 2008. UP says that it expects to spend about \$20 million over the next 3 years to implement the various aspects of this emissions reduction program. Further information is available at <http://www.arb.ca.gov/msprog/offroad/loco/loco.htm>, <http://www.arb.ca.gov/msprog/offroad/loco/062305dpmrymou.pdf>, and http://www.uprr.com/newsinfo/railroad/2005/0624_carb.shtml *Source:* David Brann, Electro-Motive Diesel, and Dimitri Stanich, CARB

Rockland County, N.Y., Considers Ticketing All Idling Vehicles

According to the July 1, 2005, *Journal News*, Rockland County (N.Y.) Executive C. Scott Vanderhoef is proposing that Sheriff's Patrol and village and town police departments in the county would be able to issue tickets to drivers who idle their cars, sport utility vehicles, vans, buses, trucks, or other vehicles longer than 3 minutes. Emergency vehicles would be exempt. Currently in Rockland, a driver can only receive a violation notice from the County Health Department after an agency worker personally witnesses and documents an idling incident. Vanderhoef said more could be done to curb idling if a law were created to allow police to help because they have a larger work force. Police officers could issue tickets requiring drivers to appear before the County Board of Health, which could set a fine of up to \$1,000 per idling incident. *Source:* Joe Tario, New York State Energy Research and Development Authority

California Community Follows Through on Truck Parking Ban

The North County Times reported that Riverside County officials have approved a plan to ban parking on neighborhood streets in unincorporated communities within the county.

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The Riverside County Board of Supervisors said it was responding to growing concern from residents about increasing traffic from the nearby ports of Los Angeles and Long Beach. Starting August 1, 2005, truck owners could be cited, fined, and have their vehicles impounded. Fines of \$250 for a first offense, \$500 for a second offense, and \$750 for a third have been proposed. The plan suggests the county work with regional and State regulators to fine diesel vehicle drivers who idle for longer than 5 minutes. Several major highways – Interstates 10, 15, and 215 – pass through Riverside County en route to the ports. The county is also home to more than 70 warehouses, which bring hundreds of rigs to the area daily. For more information, please see *Land Line* magazine, June 29, 2005, http://www.landlinemag.com/todays_news/Daily/2005/Jun05/062905.htm#6

Aspen, Colo., Offers Sweet Reward to Stop Idling

The city of Aspen is using a free cookie at Paradise Bakery to try to get people to learn more about global warming, look at how their own lifestyle affects it, and hopefully take action. The city recently launched a program called *Idling Isn't Cool*. It targets people who let their cars idle while they run an errand or warm it up in cold weather. A small, laminated placard with a picture of Earth sweating from heat will be placed on windshields of idling cars by environmental health specialists while they are walking through town. "Turning off your engine when you are not driving is one of the easiest things you can do to lessen your contribution to global warming," the placard reads. The placard claims that letting a car idle for 30 seconds is enough to get engine oil circulating. It also states that a city ordinance makes it illegal to idle an engine for 5 minutes or more.

It then makes an offer the city environmental health department hopes people cannot refuse. People are directed to use one of several websites to fill out a "carbon calculator" — a short list of questions that determines how much carbon a person's lifestyle habits pump into the air. When a person brings back the placard and the results of the carbon test to the environmental health department, he or she is given a voucher for a free cookie. To calculate personal carbon emissions, go to the city's website, www.aspenglobalwarming.com/calculate.cfm. The site will provide several links to websites with a carbon calculator. *Source:* Joe Tario, NYSERDA

Cindy Tuck Appointed New CARB Chairman

On June 28, 2005, California Governor Arnold Schwarzenegger appointed Cindy Tuck to the position of chairman of the California Air Resources Board. Ms. Tuck brings more than 20 years of experience of direct air-quality experience to the post. She earned a J.D. from the McGeorge School of Law at the University of the Pacific, an M.S. in Environmental Engineering, and a B.S. in Civil Engineering from the University of Illinois. The ARB's 11 members are appointed by the Governor. Five are experts in fields such as medicine, chemistry, physics, meteorology, engineering, business, and law. Five others are elected officials who represent regional air

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pollution control agencies- one each from the Los Angeles region, San Francisco Bay Area, San Diego, and the San Joaquin Valley, and one represents the other districts. The Chairman is the only full-time member.

http://www.governor.ca.gov/state/govsite/gov_htmldisplay.jsp?BV_SessionID=@@@0410199826.1121799306@@@&BV_EngineID=ccciaddfehgklljcfngcfkmdffidfng.0&sTitle=Governor+Arnold+Schwarzenegger+Appoints+Cind&sFilePath=/govsite/press_release/2005_06/20050628_GAAS27205_TuckToARB.html&sCatTitle=Press+Release

Back Issues of *National Idling Reduction Network News* Available On-Line

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

Look at the document at the following site for the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations (http://www.atri-online.org/research/results/idling_chart.pdf), although it does not include the changes in Pittsburgh and Texas. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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CONFERENCES, MEETINGS, AND WORKSHOPS

Wisconsin Workshop on July 20 to Highlight Idling and Emissions Reduction Technologies

Region 5 of the U.S. Environmental Protection Agency (EPA), the Wisconsin Department of Natural Resources, Wisconsin Clean Cities – Southeast Area, and the Midwest Regional Office of the U.S. Department of Energy (DOE) will be holding an all-day workshop on Wednesday, July 20, 2005, on “Forwarding Wisconsin: Reducing Diesel Emissions for the Long Haul.” This event will not only discuss the impact of diesel emissions on health but will also demonstrate what companies and municipalities are doing to improve their environmental performance in their fleet operations. Trucks and buses with idling reduction technologies and diesel emission control technologies will be available for participants to see first-hand how these technologies are working to clean the air. The workshop will be held on the South Campus of the Milwaukee Area Technical College in Oak Creek, Wisconsin, from 8 a.m. to 4 p.m. Space is limited, and the registration deadline is July 1. For more information, please contact Francis Vogel at (414) 221-4958 or francis.vogel@we-energies.com. Source: Julie Magee, EPA Region 5

Carl Moyer Workshop Set for August 17-19

The California Air Resources Board (CARB) will hold a 3-day workshop to discuss modifications to the Carl Moyer Program guidelines on August 17-19, 2005. These workshops will provide the public with an opportunity to comment on the draft project criteria and funding guidelines for all source categories covered by the Carl Moyer Program. The workshops will take place in Sacramento, and will be available via webcast. The draft project criteria will be available for public review at least 2 weeks before the workshops. In addition, CARB is planning to hold a supplemental workshop focused on agricultural sources covered by the Carl Moyer Program in Fresno on August 25. This workshop will not be webcast. A formal workshop notice, including a final agenda, will be released in July. Please contact Bob Nguyen at rnguyen@arb.ca.gov or (916) 327-2939 if you have any questions. <http://www.arb.ca.gov/msprog/moyer/guidelines/revisions05.htm>

REGULATORY ACTIVITIES

New Date for CARB Public Hearing for Proposed Heavy-Duty Diesel Vehicle Idling Reduction Regulation

The CARB public hearing for the proposed Heavy-Duty Diesel Vehicle Idling Reduction Regulation, which was scheduled for a July 21-22, 2005, Board hearing, has been postponed to the September 15-16, 2005, CARB hearing. The September hearing will be held at the South Coast Air Quality Management District, 21865 East Copley Drive, Diamond Bar, California 91765. Source: Daniel Hawelti, CARB

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OTHER ITEMS OF INTEREST

FHWA *Public Roads* Features Article on Financing Idling Reduction Projects

The March/April 2005 issue of the Federal Highway Administration's (FHWA) *Public Roads* features an article on financing idling reduction projects written by Diane Turchetta. She summarizes the state of the art of idling technology, provides examples of how to use emission credits, and lays out sources of funding for idling reduction projects.

<http://www.tfhr.gov/pubrds/pubrds.htm> Source: Diane Turchetta, Federal Highway Administration

EPA Honors Port of Long Beach for Environmental Efforts

EPA has awarded the Port of Long Beach, California, its prestigious 2005 Environmental Award in recognition of the improvements made to help achieve cleaner air and water. The Port of Long Beach was among 36 entities singled out for efforts to protect and preserve the environment during 2004. The EPA Pacific Southwest Region received more than 175 nominations this year. Another Port of Long Beach environmentally oriented program is a joint project with BP to cold-iron vessels -- encouraging docked ships to turn off their engines and use shore-based power for all electrical needs, rather than idling their engines and polluting the air.

<http://yosemite.epa.gov/r9/r9press.nsf/7f3f954af9cce39b882563fd0063a09c/9b188f7b9c8d850588257013005ea6cd!OpenDocument> Source: Alita Green, EPA

San Diego Examines Cold Ironing

The Port of San Diego is months away from deciding on the best pollution-control options, according to the San Diego *Union-Tribune*. It is tracking ships to see if any of them visit regularly enough to be candidates for cold-ironing power. With cold-ironing, vessels connect to more highly regulated power sources that are part of the regional transmission system. But, installing it costs a few million dollars per terminal station and \$500,000 to retrofit each cruise ship. "This is not just plugging in an extension cord," said Mick Shultz, spokesman for the Port of Seattle, which tested its shore-power facility last month. "This is a major undertaking."

At the International Council of Cruise Lines in Arlington, Virginia, President Michael Crye said his members are adopting pollution-reduction measures including the use of low-sulfur diesel and smokestack filters. He said dockside power is one option but that it may not gain wide acceptance in places like Southern California that are "power challenged." <http://www.signonsandiego.com/news/metro/20050601-9999-1n1port.html>

Source: Joe Tario, New York State Energy Research and Development Authority

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Jurisdictions Gets Tough on Idlers of All Vehicles

Massachusetts -- Idling truck, bus, and passenger vehicle engines for too long while parked not only increases people's exposure to harmful air pollution, but it is also against the law in Massachusetts. That's according to Framingham police, who have begun a campaign to educate local drivers - particularly those who operate trucks and buses - about the importance of turning engines off when it is not necessary to keep them running. The Framingham Police Department invited local trucking companies, bus operators, residents, and other interested parties to attend an informational session about the Commonwealth's idling restrictions on Wednesday, June 8, at the Framingham Police Department.

<http://www2.townonline.com/framingham/atGlance/view.bg?articleid=259588> Source: Joe Tario, New York State Energy Research and Development Authority

Ontario -- Six Toronto bylaw officers will be assigned to issue tickets (Can\$105 plus a Can\$25 provincial surcharge) to those who leave their cars running for more than 3 minutes. In Burlington, which passed an anti-idling bylaw last year that only went into force last month, three bylaw officers will issue "information" tickets to raise awareness. Fines will be levied only in extreme cases, according to a city official. Elsewhere across the Toronto region, where several municipalities have introduced bylaws and others plan to follow suit, the goal is to educate drivers, not fine them. The second blitz in 2 years comes amid more frequent smog advisories -- 17 so far this year in Toronto -- issued by the Ontario Environment Ministry. Over the past 5 years in Toronto, officials have ticketed 240 drivers and issued warnings to 1,000 others for idling their cars. (The bylaw does not apply below -5°C or above 27°C, so that people can still run their car to protect themselves when the weather is extremely cold or hot.) In Burlington, bylaw officers have handed out 59 anti-idling pamphlets over the past 7 months, with no one fined yet. Source: Joe Tario, New York State Energy Research and Development Authority

Indiana -- Rushville has found one way to solve its truck parking dilemma: it just outright bans them. At its May meeting, the Rushville City Council passed an ordinance that bans trucks, recreational vehicles, and even boats on trailers from parking on residentially zoned city streets. According to the *Rushville Republican*, police chief Tony Fudge said the city wasn't specifically targeting big rigs. "It may appear that we are only going after the semis and truck drivers, but that is certainly not our intention," he told the council. "There are many vehicles that are parked in residential areas that are potential hazards for pedestrians and other vehicles on the roadway. We want to eliminate any possibility of accidents." The ordinance also makes it illegal to leave a large commercial truck running for longer than 30 minutes in a residential zone. In business and commercial districts, meanwhile, trucks are not allowed to park on streets or alleys for more than an hour, unless they need more time to make deliveries or pickups. In industrial districts, the trucks can park as long as they want in all places designated for parking, as long as they don't disrupt the flow of traffic. *Land Line* magazine, June 10, 2005, http://www.landlinemag.com/todays_news/Daily/2005/Jun05/061005.htm#3

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Vermont – According to the June 7, 2005, *Brattleboro Reformer*, Brattleboro Climate Protection wants town residents not to idle their vehicles. With the help of a \$3,000 grant from the Vermont Department of Health, the group will launch an anti-idling campaign in

Brattleboro's public schools this fall. Paul Cameron, executive director of Brattleboro Climate Protection, is putting together a committee to decide how to get the word out about the hazards of idling. Whatever the medium, the main goal, he said, is to raise public awareness.

Brattleboro will be joining other cities and towns across the Nation that are taking part in similar initiatives, including Keene, New Hampshire, and Burlington, Vermont. Debra Sachs, executive director of Alliance for Climate Action in Burlington, said her organization printed 10,000 brochures and distributed them in the city's public schools. It also posted metal traffic signs along with no parking signs that state: "Turn off your engine for our health." Most anti-idling campaigns focus on schools because their pick-up areas for students tend to be packed with idling buses and cars. The Brattleboro initiative will target parents and bus drivers, as well as students who drive themselves to school. For more information on the anti-idling initiatives, call Brattleboro Climate Protection at (802) 254-4541 ext. 135.

<http://www.reformer.com/Stories/0,1413,102%257E8860%257E2908136,00.html?search=filter>

Source: Joe Tario, New York State Energy Research and Development Authority

Volvo Creates New Unit to Develop Fuel Cells -- Use Aimed at Reducing Emissions While Idling

Volvo Technology, a unit of the Volvo Group, has created a new company jointly owned with Statoil that will develop fuel cells for truck idling. The new company, Powercell, holds a patent on an improved fuel cell technology that makes it possible to produce small power units that can be mounted on trucks and other vehicles to replace idling, Volvo said in a release Monday from its Göteborg, Sweden, headquarters. The fuel cell is powered by hydrogen gas, produced from diesel that is already onboard the truck, Volvo said. According to DOE, a power unit equipped with fuel cell technology could reduce carbon dioxide emissions from a single truck by as much as 20-30 tons annually. Using Truck Manufacturers Association statistics of 500,000 heavy trucks in North America, savings are possible of about 15 million tons of carbon dioxide per year, Volvo said. *Transport Topics*, June 13, 2005,

<http://www.ttnews.com/members/topNews/0013227.html>

ACC Climate Control Announces Two New Idling Reduction Devices

TropiCool No-Idle, Heating and Cooling systems and *Comfort HD* Fuel-Fired Heaters are new ACC Climate Control products that could provide the solution to the ever-increasing anti-idling regulations being enacted throughout the country. Besides bringing vehicle operators into compliance with existing and future regulations, these two products offer long-term savings in both fuel consumption costs and truck engine maintenance costs. Technical information about the features of these devices is available at www.accclimatecontrol.com or by contacting Dr. Alex V. Moulthanovsky at 574-264-2190 or amoulthan@accclimatecontrol.com.

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Bus monitors from each public elementary and middle school in Medford have volunteered to monitor the bus driver's progress in abiding by the new policy. The School Bus Driver of the Month will receive a free lunch donated by Century Bank. For information about the no-idling policy or how Medford has reduced pollution from its school buses, please call the Energy and Environmental Office at (781) 393-2137 or visit them at Room 209 in Medford City Hall.

<http://www2.townonline.com/medford/artsLifestyle/view.bg?articleid=257526> Source: Joe Tario, New York State Energy Research and Development Authority

Back Issues of National Idling Reduction Network News Available On-Line

If you are a new subscriber or have misplaced your issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

Look at the document at the following site for the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations (http://www.atrionline.org/research/results/idling_chart.pdf), although it does not include the changes in Pittsburgh. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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SOLICITATIONS

State Collaborative Offers \$4.95 Million for Energy Efficiency Projects

The State Technologies Advancement Collaborative (STAC) has issued its third and latest solicitation for Energy Efficiency Research, Development, Demonstration, Deployment, and Rebuild America Projects (05-STAC-01). STAC will be making \$4.95 million available for cost-shared energy-efficiency projects. Areas of interest include: Distributed Energy Resources, Buildings Technologies, Industrial Technologies, Transportation Technologies, and Rebuild America. STAC members include the U.S. Department of Energy (DOE), the National Association of State Energy Officials (NASEO), and the Association of State Energy Research and Technology Transfer Institutions (ASERTTI). STAC's collaborative approach is aimed at coordinating Federal-State energy research, development, demonstration, and deployment funding in high-priority program areas on a multi-State basis. Closing date for this solicitation is July 15, 2005. More details are available at

<http://www.stacenergy.org>. Source: Shefali Ranganathan, Environmental and Energy Study Institute

TERP Announces Solicitation to Improve Air Quality in Texas

The Texas Commission on Environmental Quality (TCEQ) is now accepting applications for grants from the Texas Emissions Reduction Plan (TERP) Emissions Reduction Incentive Grants Program. The application deadline is Friday, July 1, 2005. A copy of the Request for Application forms and supporting technical documents may be viewed and downloaded from the TERP website at www.terpgrants.org. If you have any questions about the grant application process, please contact Mark Sims at (512) 239-1413 or Sabrina Malone at (512) 239-6010. Source: Sandra Jo Garcia, TCEQ

SOLICITATION AWARDS

DOE Award to Integrate On-Board Idling Reduction Technology in Heavy Trucks as Original Factory Equipment Option

The U.S. Department of Energy (DOE) has announced a cost-shared award to a team of International Truck and Engine Corporation, Cummins, Vanner, and Bergstrom to overcome the barriers preventing the widespread use of idling reduction technologies in heavy-duty trucks. These barriers include initial cost, driver education and receptiveness, and system reliability and maintenance. DOE will provide \$350,000, while the industry cost share is \$688,998. International will facilitate idling reduction in Class 8 trucks by making idling reduction equipment available on new trucks as a factory option. Both "Cold Climate" and "Hot and Cold Climate" systems will be developed and released for controlling cab temperature and comfort during rest periods. Work includes the validation of component and system capabilities, release of factory documentation for production, completion of a pre-production pilot build of a truck

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with the idling reduction system, and field testing under hot and cold season conditions to evaluate system performance and reliability and to obtain customer acceptance. Further information can be found at <http://www.eere.energy.gov/vehiclesandfuels/>. Source: Michael Laughlin, New West Technologies

Pennsylvania Awards More Grants to Small Businesses

As noted in the April issue of this newsletter, demand was so intense for the Pennsylvania Department of Environmental Protection (DEP) Small Business Advantage Grant Program this year that the program reached its funding limit 5 months before its scheduled June 30, 2005, closing date. However, DEP was able to make 9 new awards, which totaled \$39,724. Of those awards, five were for purchasing idling reduction technologies for trucks. Almost half of this funding round went to trucking companies.

<http://www.dep.state.pa.us/newsreleases/default.asp?ID=3440>

CONFERENCES, MEETINGS, AND WORKSHOPS

Calendar of Meetings Available on West Coast Collaborative Website

The West Coast Collaborative is a partnership among leaders from Federal, State, and local governments, the private sector, and environmental groups in California, Oregon, Idaho, Washington, Alaska, British Columbia, and Mexico. The Collaborative, which was launched by Regions 9 and 10 of the U.S. Environmental Protection Agency (EPA), is part of an overall national campaign to reduce diesel emissions. Their website contains an extensive list of workshops, meetings, training, and events of possible interest to the readership of this newsletter. Upcoming meetings of particular interest to our readership include: A Workshop on Diesel Emissions Reduction Strategies in Tucson and Phoenix on June 29 and 30; the Federal Highway Administration's Transportation Finance Workshop in San Francisco on June 27-30 (<http://www.fhwa.dot.gov/resourcecenter/finwrkshop/>), and the U.S. Department of Energy's Diesel Engine Emissions Reduction Conference in Chicago on August 21-25 (<http://www.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.shtml>). For further information, please go to <http://www.westcoastcollaborative.org/calendar.htm>.

Dallas-Fort Worth Clean Cities Workshop to Focus on Idling Reduction

The Dallas-Fort Worth Clean Cities will hold an Advancing the Choice workshop on June 21, 2005, in Arlington, Texas, entitled "On the Right Track: Advancing Alternatives to Idling." This free event will focus on policies, funding, and technologies associated with idling of locomotives, long-haul trucks, and other heavy-duty trucks, such as dump trucks, cement trucks, school buses, and refuse haulers. At the end of the day, there will be a presentation on the North Central Texas Council of Governments Clean Fleet Vehicle Procurement Policy. Please contact Lisa Key at (817) 608-2316 or lkey@nctcog.org if you are interested in attending. Further information is available at http://cleancities.nctcog.org/afv/advancing_choice/index.html

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Pennsylvania DEP to Host Idle Reduction Technology Workshop In Lewisburg July 14

Robert Yowell, Regional Director of the Pennsylvania Department of Environmental Protection (DEP), has invited truck drivers and others associated with the industry to an "Idle Reduction Technology" workshop from 9:30 a.m. to 2 p.m. on July 14, 2005, in Lewisburg, Pennsylvania. "This workshop, featuring a panel of experts from both government and the private sector, will share valuable information related to fuel consumption and maintenance issues, both of which are major concerns in the trucking industry," Yowell said. Sponsored by the Pennsylvania Motor Truck Association (PMTA), Businesses for the Bay, and the U.S. Environmental Protection Agency's SmartWay Transport Partnership, the workshop is the first of its kind to be held in north-central Pennsylvania.

Presenters include representatives of Smithfield Transport, Auxiliary Power dynamics, Teleflex Energy, Pony Pack APU, DEP's Office of Small Business Ombudsman, and EPA's SmartWay Transport Partnership. DEP and EPA presenters will discuss availability of Federal and State grants to pay for up to 50 percent of new equipment. A \$10 pre-registration fee is required, and it includes a buffet lunch sponsored by Teleflex Energy. Seating is limited to the first 80 registrants. People who present their current commercial driver's license at the door will receive an immediate \$10 refund. To register, contact Dave Shimmel of DEP by phone at (570) 327-3568, or via e-mail at dshimmel@state.pa.us, or contact Carolyn Jones of PMTA by phone at (717) 761-7122, or via e-mail at cjones@pmta.org.

Marine Fuel Sustainability Forum to Discuss Emissions along the Pacific Rim

The inaugural *Marine Fuel Sustainability Forum* offers a unique opportunity to engage with industry representatives and regulators alike to debate and discuss the issue of marine emissions reductions in the Pacific Rim and beyond. Attendees at this conference in San Francisco on October 5-7, 2005, will include key Asian and North American shipping lines, refiners from North and South America, marine fuel suppliers, traders and brokers from across the world, environmental groups, port authorities, and governmental and non-governmental representatives. Port electrification is one of the agenda items.

<http://www.bunkerworld.com/events/sanfran2005.html>. Source: Brewster Boyd, Ross & Associates

REGULATORY ACTIVITIES

Texas Bill to Stall Idling Regulations Heads to Governor

The Texas Legislature has signed off on a bill that would override some idling rules in the State. The approval clears the way for the bill to head to Gov. Rick Perry for his signature. HB1540 would allow truckers to idle their rigs during rest periods mandated by the Federal hours of service regulations until September 2007. This date corresponds with stringent diesel emission reductions slated to start at that time. The bill prohibits and limits adoption or enforcement of rules that ban trucks and other vehicles from idling when necessary to power a heater or air-

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conditioner while a driver is using the vehicle's sleeper berth for a mandated rest period.

If signed into law, it would override a recent Texas Commission on Environmental Quality ruling permitting cities to opt into a rule that outlaws idling for more than 5 minutes for any reason in a truck. Current state law prohibits idling for longer than 5 minutes from April 1 to October 31 in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery and Waller Counties, and this bill would not change that.

Another provision added to the bill would prohibit idling while using a vehicle's sleeper berth within 1,000 feet of a public school while class is in session. Violators could be fined up to \$500.

Source: Paul Abelson, enews@landlinemag.com, May 18, 2005

OTHER ITEMS OF INTEREST

Question Regarding State Tax Breaks for Idling Reduction Equipment

Adam Kiesler, an account manager with Thermo King of Indiana, asked if there are any tax breaks available in Indiana for someone to buy an auxiliary power unit. If there are, he would like to make contact with that person. You can reach his office at (812) 282-5022 or his cell phone at (502) 548-1376; his e-mail address is akiesler@tkoi.com.

Major Freight Railroads Sign Up for EPA SmartWay Transport Partnership

To increase energy efficiency while reducing greenhouse gas emissions and air pollution, all seven major freight railroads have joined EPA's voluntary SmartWay Transport Partnership. These Class 1 freight railroads -- BNSF Railway Company, Canadian National Railway Company, Canadian Pacific Railway, CSX Transportation, Kansas City Southern, Norfolk Southern Corporation, and Union Pacific Railroad -- transport more than 90 percent of all domestic rail freight. Each railroad has committed to evaluate the environmental impacts of its operations and work jointly with EPA to develop and implement a plan to improve fuel efficiency and reduce emissions over the next several years. As part of SmartWay Transport Partnership, each railroad will develop a plan to identify fuel savings and emission reduction strategies. Strategies include reducing idling, improving aerodynamics, applying new fuel-saving technologies, and installing emissions control devices. Further information is available at <http://www.epa.gov/smartway>.

Hybrid Locomotives to be Added in Texas

BNSF and RailPower Technologies Corp. have announced that BNSF will keep its "Green Goat®," an environmentally friendly hybrid switch engine, in service for 5 years in the Los Angeles area and that it is acquiring 4 cab-less Green Goat® units for use in Texas.

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The Green Goat® uses a relatively small, clean, efficient, diesel genset in conjunction with over 300 batteries to improve fuel economy and reduce pollution. The four GG20B cab-less hybrid locomotives for Texas service will be delivered later this year. The cables locomotive is operated by remote control, part of a growing trend to make rail yards more efficient. BNSF was awarded clean-air grants in July 2004 by the Texas Emissions Reduction Plan (TERP) for implementation of the hybrid technology. For more information, please go to http://www.bnsf.com/media/news/articles/2005/05/2005_05_23a.html

Town Looks to Truck Stop Electrification to Resolve Idling Conflict

According to *The Boston Globe* of May 12, 2005, the town of Plainville, Massachusetts, is looking for a compromise regarding the noise and diesel fumes produced by idling trucks at the Plainville Truck Stop, and wants the drivers to shut down. The battle between truckers and townsfolk has been going on for several years. In 2003, the town ordered the truck stop's owner to limit parking at the stop to about 4 acres. More recently, town officials have been looking into other solutions, such as advanced truck stop electrification systems, which would give truckers electric power without requiring them to idle their trucks.

The Globe reported that the Plainville Board of Health has been looking into applying to the State Executive Office of Environmental Affairs for funding for such a project. The Environmental Affairs office was recently given a \$100,000 grant by the Federal Government. However, an office spokeswoman told *The Globe* that providing hookups for 100 trucks would cost roughly \$1 million to install. Massachusetts is planning to issue a request for proposals from towns and technology companies to install the systems. A contract will be awarded to the town with the best bid in July. If the entire \$1 million is raised, the system would be installed by August. *Source:* Joe Tario, New York State Energy Research and Development Authority

Michigan Township Opposes Proposed Truck Stop

Residents of Monroe Township, a small town about 40 miles south of Detroit, are up in arms about plans to build a new truck stop along Interstate 75 there. A group of investors has purchased 30 acres along the highway and plans to build a full-service travel plaza for cars and commercial trucks. The facility would include a restaurant and a fast food franchise as well as a convenience store, two parking lots, fuel pumps, a game room, truckers' lounge and showers. The facility will also feature electricity hook-ups so trucks won't have to idle their engines at night.

The Monroe News reported that the residents of the town are concerned about traffic and road safety around the plaza. Residents have also expressed concerns about noise and pollution and have taken to posting signs all around the proposed site. The only thing on the site is an abandoned gas station that hasn't been used in more than 30 years. But the investors say the plaza will bring value to the neighborhood and will create about 70 to 100 jobs. If the project is approved, groundbreaking is expected to begin later this year.

http://www.landlinemag.com/todays_news/Daily/2005/May05/052505.htm#5

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Canadian Trucking Alliance Included in EPA Anti-Idling Workshop

The U.S. EPA is developing an anti-idling model for States nationwide and is inviting truckers, including Canadian carriers, to participate. The Canadian Trucking Alliance (CTA) will take part in an EPA workshop this June, which will look to create a model idling law for U.S. states and Canadian provinces to implement if they choose to crack down on idling trucks and buses. EPA is not considering a Federal anti-idling mandate, but is instead encouraging States to adopt such laws. The model workshop is at the request of both States, provinces, and trucking companies, in an attempt to streamline to some degree the patchwork of existing laws across several U.S. States, and make sure that laws are also reasonable and can easily be complied with by the trucking industry. Trucking association members can contact their provincial association or the CTA for more information about participating in a survey that can assist the CTA in the workshop. <http://www.todaystrucking.com/displayarticle.cfm?ID=4048>

Auxiliary Power Firm Targets Owner-Operators; Eyes Expansion

Energy & Engine Technology (EENT) Corp., a developer of auxiliary power generators for the long-haul trucking industry, announced that it is launching a financing plan targeted to independent owner-operators and small trucking fleets. The company said it has entered into a letter of intent with Dallas-based, J&J Idling Solutions, which has a facility in Dallas dedicated to installation of auxiliary power units. J&J installed more than 150 auxiliary power units last year. Additionally, EENT said it will work with J&J to evaluate establishing three to four additional facilities in the next year in the central United States, and plans an additional 30 facilities in the next five years. The company projected each facility would be able to install 1,200 to 1,300 units per year. <http://www.ttnews.com/members/topNews/0012984.html> Source: Transport Topics, May 2, 2005

New York City Tickets Idling Cars \$2000 Maximum Fine for Not Moving

New York City has had a local ordinance on the books since 1971 forbidding the idling of not just diesel trucks and buses, but passenger cars as well. The City recently boosted the maximum fine for first offenders to \$1,000 and multiple offenders to \$2,000. But some are complaining that the city is not enforcing the law, having issued only 159 tickets since July 2004. Councilman Michael McMahon (D-North Shore) told the *Staten Island Advance*, "We have to work on convincing the agencies to enforce it."

The New York Department of Environmental Protection, as well as the City Parks, Sanitation, and Police Departments can each issue idling tickets. The agencies do not patrol for violations, issuing most of the citations after someone calls 311 and complains. Although emergency vehicles are exempt, the New York Health Department issued a

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memo to point out that, "Unless in emergency operation, ambulances and first response vehicles ARE NOT exempt from the provisions of these environment conservation laws. The penalties for violation of these laws may include fines ranging from \$250 to \$15,000."

Staten Island Advance, May 1, 2005, <http://www.statenislandadvance.com/> Source: Joe Tario, New York State Energy Research and Development Authority

Back Issues of National Idling Reduction Network News Available On-Line

If you are a new subscriber or have misplaced your issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

Look at the document at the following site for the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations (http://www.atrionline.org/research/results/idling_chart.pdf), although it does not include the changes in Pittsburgh. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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SOLICITATIONS

SmartWay to Fund Up to \$5 Million in Grants for Truck Idling Reduction

The U.S. Environmental Protection Agency's (EPA) SmartWay Transport Partnership will award up to \$5 million for grants that demonstrate innovative idling reduction technologies across the spectrum of the trucking industry from the manufacturer level to trucking fleets and at truck stops, ports, and borders. The grants will be available to States, nonprofits, and academic institutions demonstrating strong partnerships, among other criteria, with the trucking industry. EPA is requesting proposals for initiatives to deploy and demonstrate three kinds of commercially available technologies:

- Technologies that small trucking fleets can use to equip trucks they already own
- Technologies that can be packaged by truck engine manufacturers into an easily used installation kit for aftermarket use, and
- Technologies designed for use by trucks parked at truck stops, terminals, ports, and borders.

The full solicitation is available at

<http://www.epa.gov/air/grants/05-09.pdf>, and the deadline for receipt of proposals is June 6, 2005. EPA anticipates announcing the grant awards in the fall of 2005. *Source:* Paul Bubbosh, U.S. Environmental Protection Agency

EPA Announces New Grant Program for Community-Driven Projects

EPA recently announced a new grant program, the Community Action for a Renewed Environment (CARE), which is designed to establish a series of multi-media, community-based, and community-driven projects to reduce local exposure to toxic pollution. Through CARE, EPA is partnering with communities to help them create collaborative stakeholder groups that may include community organizations, other non-profits, State and local government agencies, other Federal agencies, businesses, and academia. These stakeholder groups will use EPA cooperative agreements and other funding to select and implement local voluntary actions that reduce local exposure to toxics. This program will provide technical assistance by helping communities identify and access opportunities through a wide range of voluntary programs.

The program will award \$1.65 million in grant money through two levels of funding. Under Level I, communities will receive an average of \$75,000 to establish collaborative partnerships and set priorities for reducing toxic risks in their local areas. Level II offers approximately \$300,000 to communities that already have a broad-based collaborative partnership, have identified priorities, and are ready to implement risk reduction strategies. A total of 10 projects will be funded nationally in Fiscal Year 2005. For more information on the CARE Initiative, please go to the following web site: <http://cfpub.epa.gov/care/>. The RFP can be found at: <http://www.epa.gov/air/grants/05-08.pdf>. The closing date for the submittal

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of initial proposals is 4 p.m., EST, on May 20, 2005. *Source:* Julie Magee, EPA Region 5

Pennsylvania Small Business Advantage Program to Receive More Funding

The Pennsylvania Department of Environmental Protection is redirecting \$500,000 into its new Small Business Advantage Grant Program, which provides a 50-percent matching grant of up to \$7,500 to pay for equipment or finance process changes that reduce energy consumption and prevent pollution. The grant program, which is open to small business owners whose business or facility is located in Pennsylvania, has been extremely popular, awarding more than \$700,000 to 150 small business owners across the State since being launched in July 2004. This year, the program reached the limits of its funding in January, 5 months before its scheduled deadline of June 30, 2005. Small Business Advantage grants are awarded on a first-come, first-serve basis. With \$500,000 in redirected funds and additional support from other appropriations, the program will be able to reopen July 1. Past awards have gone to several companies to purchase idle-reduction equipment for their heavy vehicles. For more information, please go to <http://www.dep.state.pa.us/newsreleases/default.asp?ID=3410>

CONFERENCES, MEETINGS, AND WORKSHOPS

DOE Clean Cities Conference to Highlight Idling Reduction

Three sessions at the 11th Annual U.S. Department of Energy Clean Cities Conference on May 1-4, 2005, in Palm Springs, California, will highlight idling reduction. The first session will focus on meeting the needs of truckers, the second will discuss action plans to accelerate market adoption of idling reduction, and the third will present information from the manufacturers' perspective of on-board and off-board technologies. Clean Cities is a U.S. Department of Energy program that uses a network of more than 80 volunteer coalitions to develop public/private partnerships that promote alternative fuels and vehicles, fuel blends, fuel economy, hybrid vehicles, and idling reduction. For further information about the conference, please go to <http://www.afvi.org/palmsprings/program.html>

EPA Sets Meetings on Developing Consensus on National Model Idling Reduction Regulations

An EPA workshop on May 6, 2005, in Baltimore, Maryland, will bring together representatives from trucking companies and associations, State air pollution control agencies, truck drivers, environmental organizations, and health associations for the first in a series of meetings to come to consensus on developing a model idling law governing heavy-duty trucks and buses. Many of the current laws differ from State to State, creating an inconsistent patchwork of laws that is confusing to truck drivers and fleets. The purpose of this and subsequent national meetings is twofold: (1) to raise awareness between States and the trucking industry about each other's needs and (2) to reach consensus on the specifics and framework for developing a

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model State anti-idling law. EPA plans to hold five meetings that will cover New England, the Mid-Atlantic, Midwest, Southeast, and West Coast regions. For more information, please see <http://www.epa.gov/smartway/>; Transport Topics, April 25, 2005; <http://www.ttnews.com/members/topNews/0012932.html>; and FleetOwner, April 13, 2005, http://fleetowner.com/news/epa_anti_idling_model_law_041305/index.html

FHWA Workshop to Focus on Financing Large Transportation Projects

The Federal Highway Administration's Finance Technical Service Team is sponsoring a Transportation Finance Workshop from June 27 to 30, 2005, in San Francisco. This national workshop is intended for State Department of Transportation officials, Federal Highway Division Offices, and others involved in transportation project finance. Hot topics for this event will include Public-Private Partnerships, Innovative Revenue Sources, updates on the Transportation Infrastructure and Innovation Finance Act (TIFIA), State Infrastructure Bank (SIB), Grant Anticipation Revenue Vehicles (GARVEE) tools, and the decision framework for use of financing tools. The event will host breakout sessions that will discuss creating financial plans for mega-projects, financing on tribal lands and rural areas, and identifying new revenue sources. Further information about the workshop is available at <http://www.fhwa.dot.gov/resourcecenter/finwrkshop/> Source: Diane Turchetta, Federal Highway Administration

Cold Ironing Among Marine Issues to be Discussed at CARB Public Meetings

The California Air Resources Board (CARB) staff will be holding public meetings on May 17-18, 2005, in Sacramento related to the maritime industry. CARB staff will be conducting workshops on regulatory activities for cargo-handling equipment at ports and inter-modal rail yards, auxiliary engines on ocean-going vessels, and cruise ship incineration. They will also conduct a public meeting to discuss the port electrification (cold ironing) feasibility study for ocean-going ships. Further information about these meetings can be found at <http://www.arb.ca.gov/msprog/offroad/marineveess/meetings/05171805ws.pdf>

Presentations from Recent West Coast Collaborative Public Workshop Now Available

Presentations from the March 21-22, 2005, Public Workshop of the West Coast Collaborative are now available on the Collaborative's website (<http://www.westcoastcollaborative.org/files/meetings/2005-03-21/index.htm>). Nearly 200 people attended this meeting to hear about the work that its partners are doing along the West Coast of the United States, Canada, and Mexico to reduce emissions from diesel sources. The West Coast Collaborative is a public-private partnership that is part of an overall national campaign to reduce diesel emissions. For more information, please contact Michelle Roos at roos.michelle@epa.gov or Peter Murchie at murchie.peter@epa.gov.

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REGULATORY ACTIVITIES

Update on Proposed CARB Regulation to Limit Emissions from APU's

On March 23, 2005, CARB held a public workshop as part of its Heavy-Duty Diesel Vehicle Idling Emission Reduction Program. The agency is soliciting comments from the public regarding a modification to 13 CCR 2485, which currently limits idling of heavy vehicles having a gross vehicle weight rating (GVWR) of more than 10,000 pounds to no more than 5 minutes if they do not have sleeper berths. The modification would apply the 5-minute idling limit to all heavy-duty diesel vehicles operating in California, regardless of where they are registered. The regulation would apply to trucks equipped with sleepers and all model years starting in calendar year 2008. In addition, model year 2006 and older vehicles could operate a California- or Federal-certified auxiliary power unit (APU) system or an APU system that has a Level 3 verified particulate matter (PM) trap. If the vehicle is equipped with a 2007 model year or newer engine, its APU would have to have this PM trap.

CARB plans to have its staff report finished in May 2005 and present its findings at the Board hearing on July 21-22, 2005. The staff presentation is now up on the program website. Further information is available at <http://www.arb.ca.gov/msprog/truck-idling/truck-idling.htm> Source: Daniel Hawelti, CARB

Georgia Considers New State-Wide Anti-Idling Regulation

The Georgia Environmental Protection Division (EPD) is drafting anti-idling regulations for diesel-powered vehicles to be enacted within the next 6 months. The goal is to reduce the amount of air pollution in Middle Georgia, both to help Bibb and Monroe counties achieve Federal air standards and to reduce health risks for school children and other residents. The State would like to help local governments develop their anti-idling laws so there will be some consistency, according to an EPD manager. A State rule could help because state regulators have more clout to pursue companies that ignore the rules. Georgia is considering a 5-minute time limit that would probably apply first to school buses and public transport fleets, then delivery vehicles, and eventually long-haul trucks and construction equipment. The subject of fines and enforcement are still being discussed, although a public education campaign may also be created. For more information, please go to Macon (Georgia) Telegraph for April 6, 2005. Source: Joe Tario, New York State Energy Research and Development Authority

Bill to Allow Idling in Texas Advances

The Texas House has approved a bill that would allow truckers for the next 2 years to idle their rigs for Government-mandated rest periods. Lawmakers voted April 12 in favor of a bill to prohibit and limit adoption or enforcement of rules that ban trucks and other vehicles from idling when necessary to power a heater or air-conditioner while a driver is using the vehicle's

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sleeper berth for a mandated rest period. The bill, HB1540, now heads to the Texas Senate for further consideration. If approved by the Legislature and Governor Rick Perry, the law would override a recent Texas Commission on Environmental Quality ruling permitting cities to opt into a rule that would outlaw any idling for more than 5 minutes for any reason in a truck. However, one amendment added prior to the House floor vote prohibits idling while using a vehicle's sleeper berth within 1,000 feet of a public school. Violators could be fined up to \$500.

Current state law prohibits idling for longer than 5 minutes from April 1 to Oct. 31 in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties. This bill would not change that. For further information about the latest news from Texas, please go to http://www.landlinemag.com/todays_news/Daily/2005/Apr05/041905.htm#3 Source: Paul Abelson, Land Line magazine, April 19, 2005

Philly Laws No Longer an Idle Threat

Though they have been on the books since 1993, officials in Philadelphia have only recently decided to enforce two of the city's idling laws. Beginning May 2, 2005, truck and bus drivers in the city who leave their engines idling for longer than 3 minutes – except in cold weather, heavy traffic, and certain other cases – will risk being ticketed and paying a \$100 fine. In addition, the city's Department of Health has its own anti-idling rule, which carries a \$300 fine for trucks left idling longer than 2 minutes. The Health Department recently joined forces with the Philadelphia Parking Authority to increase enforcement of both rules, though each department will be responsible for its own rule.

According to *The Philadelphia Inquirer*, the health department had not enforced its regulation because it has only four inspectors on staff. Parking Authority officials told the *Inquirer* they did not know why their agency's idling law had not been enforced. Now, with their combined efforts, both groups are looking to step up enforcement and crack down on idlers.

http://www.landlinemag.com/todays_news/Daily/2005/Apr05/042105.htm

OTHER NEWS OF INTEREST

CSX Establishes Hot Line in Teaneck for Complaints about Idling Trains

CSX Transportation, Inc., has established a toll-free number for Teaneck, New Jersey, residents to use when complaining about idling trains. This promise comes after a heated public hearing at which residents assailed the company for allowing trains to idle in residential neighborhoods for hours on end. While residents would prefer that the trains no longer stop in town, CSX representatives said that's not possible. Instead, idling locomotives that must stay in Teaneck for an extended period will be shut down after 2 hours, at least during the warmer months. CSX has arranged for one of its employees to review each complaint and provide a response; that number is (888) 396-3354.

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Nation's First Hybrid Locomotive Gets to Work in California

On March 16, 2005, Union Pacific Railroad unveiled the Nation's first hybrid electric locomotive. The locomotive, dubbed the "Green Goat," is powered by a 290-horsepower Caterpillar diesel engine and two large battery banks. The Green Goat, which is manufactured by Railpower Technologies, is capable of running for up to 8 hours on battery power after which it switches to its diesel engine. The hybrid technology used in the locomotives differs slightly from technology used in hybrid cars and buses in that it does not have the capability to recapture energy from braking to recharge the batteries. The \$800,000 locomotive is a short-haul engine and will be used as a switcher to shift rail cars between tracks inside rail yards. It is estimated that nitrogen oxide (NO_x) and particulate matter reductions will be approximately 80-90 percent. Additionally, by the end of 2005, Union Pacific is also expected to have replaced 38 percent of its fleet with new cleaner burning diesel locomotives. For more information about this hybrid locomotive, please go to http://www.railpower.com/products_hl.html. Source: Environmental and Energy Study Institute,

<http://www.eesi.org/publications/Newsletters/Clean%20Bus%20Update/March%202005.htm#funding#funding>

Union Pacific Rail Yards Pollute More than Trucks Says CARB Study

In the first analysis of its kind, CARB, in cooperation with Union Pacific Railroad, quantified the toxic particles of diesel exhaust from the locomotives that idle around the clock in the 52-track J. R. Davis Yard in Roseville, California, the railroad's busiest hub west of the Rocky Mountains. CARB's calculation confirmed the train yard is the single largest generator of diesel exhaust in the six-county Sacramento region. For example, living within 300 feet of Interstate 80 in Roseville, a stretch traveled by an average 10,000 big trucks a day, increases the cancer risk 50-100 chances in a million, according to the study. By comparison, living within 300 feet of the yard's locomotive service and repair center boosts the cancer risk an average 950 chances in a million, the State analysis shows. The study's most surprising find, however, was not the volume of locomotive soot but the reach of its plume and the number of people potentially breathing the particles, which scientists have linked to increased cancer risk. CARB's computer analysis showed an aerosol of ultra-fine soot particles extending about 100 square miles and affecting an estimated 165,000 residents. For Union Pacific, the State findings helped pinpoint how it could change its rail yard operations to get the most emission reductions for the money. For more information, please see

<http://www.sacbee.com/content/news/traffic/story/12704241p-13556689c.html>. Source: Joe Tario, New York State Energy Research and Development Authority

EPA Recognizes Clean School Bus Initiative in Tucson

The Tucson Regional Clean Cities Coalition, a program of the Pima Association of Governments (PAG), recently received a 2005 EPA Children's Environmental Health Award for its Clean School Bus USA initiative. The Clean Cities coalition has been working closely with school districts

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in Pima County and southern Arizona to promote and implement such initiatives as idling reduction, clean fuel driving training programs, and use of alternative fuels. *Source:* Colleen Crowinshield, PAG Clean Cities Coordinator

DOE-Sponsored MorElectric Technology Offers Alternative to Idling in Heavy Trucks

The U.S. Department of Energy (DOE) and Caterpillar are currently running a demonstration project sponsored by DOE on five Cox Transfer trucks equipped with Caterpillar's MorElectric technology. The MorElectric system, a result of a DOE-Caterpillar cooperative agreement, not only eliminates the need to idle but also drives engine accessories electrically. This technology offers the driver the opportunity to use either a Caterpillar auxiliary power unit (APU) or a shore-power plug-in for use at some electrified truck stops. Early results on this project released at the recent Technology & Maintenance Council Annual Meeting showed a significant savings in fuel use when idling using the APU (0.2 gallon per hour instead of 0.9 gallon per hour). Fuel use and emissions in on-road use were reduced by 2 percent. For further information, please go to <http://news.thomasnet.com/fullstory/462180> and www.catelectronics.com. *Source:* Joe Tario, New York State Energy and Research and Development Authority

New Idling Reduction Technologies Debut at Mid-America Trucking Show

Webasto Product North America introduced its non-idling sleeper berth cooling system, dubbed BlueCool Truck, at the Mid-America Trucking Show (MATS) in Louisville, Kentucky. The patent-pending system is based on a cold-storage cell that is charged during the daytime while the truck is in operation. At night, the system runs separately from the vehicle's air-conditioner, using a small amount of electricity to circulate coolant and run four quiet fans, Webasto said. The 17,000-Btu cold-storage unit has demonstrated the ability to cool a truck's sleeper cab to below 70° F for approximately 9 hours, even in 90° F ambient temperatures, according to Webasto. The system was designed to be a cooling solution for present and future anti-idling regulations aimed at heavy-duty vehicles. Production will begin this summer. For more information, visit <http://www.webasto.us>. *Source:* Drivers Newsline, April 1, 2005, http://driversmag.com/news/webasto_idle_mats_040105/

Another idling reduction device unveiled at MATS came from Thermo King, a unit of Ingersoll-Rand Company Limited, when it introduced its new TriPac Auxiliary Heating/Cooling Temperature Management System. The TriPac is designed to allow truckers to eliminate unnecessary idling while still providing engine preheating, battery charging, climate control, and power in truck cabs. The company announced that it had reached an agreement in principle to acquire the patents and intellectual property rights for the TriPac product from the inventor, David Swanson of Transport Refrigeration Inc. of De Pere, Wisconsin. The microprocessor-controlled TriPac is designed for easy operation. A driver can easily set truck cab cooling and heating for maximum comfort and perform truck engine preheating for easy starts in cold climates, according to the company.

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Other features include truck battery charging with automatic voltage sensing, 120V power for on-board appliances, and noise-dampening construction for quiet operation. Thermo King plans to have the new system available for customer purchase beginning May 16, 2005. Further information is available at <http://www.thermoking.com>. Source: Fleet Owner, April 1, 2005, http://fleetowner.com/news/thermo_king_mats_apu_040105/index.html

Cummins, Inc., showed its ComfortGuard™ power system for integrated cab heating and air-conditioning in an International 9900ix truck at MATS. ComfortGuard is fully integrated with the truck heating and air-conditioning systems to provide a reliable and low-cost power supply. The system lowers fuel consumption and total engine emissions compared to vehicle engine idling. ComfortGuard achieves this by incorporating a 2-cylinder engine coupled with a high-performance Onan® electric generator. The company estimates that truck fuel economy can improve by up to 8 percent over a 12-month period, based on a typical 2,000 hours of ComfortGuard operation per year. ComfortGuard also cost effectively provides regulated 12-volt DC and 120-volt AC power for operating sensitive devices, such as laptops and microwaves in the cab. More information can be found at <http://www.cummins.com>. Source: Joe Tario, New York State Energy Research and Development Authority

"Everybody Wins" with Lane County, Oregon, APU Program

In Lane County, Oregon, the Lane Regional Air Pollution Authority (LRAPA) has developed an innovative program that is designed to help truckers reduce their idling time through the use of APU's. The APU's are small generators that are added to the truck and provide heating, cooling, and power for the other amenities that long-haul truckers need. The result is a dramatic decrease in fuel consumption (about 80 percent) and a subsequent reduction in diesel emissions. With funding from the Oregon Department of Energy, LRAPA is providing low-cost, lease-to-own arrangements on the APU's for truckers who spend a majority of their idling time on the Interstate 5 corridor in Oregon. The goal of this project is to develop the infrastructure to support the APU technology and to install 100 APU's on heavy-duty trucks. This project will promote the use of APU's and demonstrate to the owner-operator the economic benefits of installing these devices. Building the infrastructure will encourage private enterprise to continue selling, installing, and servicing APU's.

Since the kickoff of the "Everybody Wins" program in October 2004, over 30 APU's have been installed, and dozens of owner-operators are next in line. Many of the APU models include optional "shore power" connections that enable the drivers to plug into electrified truck stops when available, which enables them to shut down the main engine and the APU. For more information, please contact Gordon Griffin at LRAPA (gordon@lrapa.org) or go to <http://www.apucentral.com/>

IdleAire Gets New Funding to Add More Spaces across Country

IdleAire Technologies of Knoxville, Tennessee, will receive \$146 million from a bond issue to create more parking spaces equipped with its system, according to the company.

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The funding would allow IdleAire to draw more cash, up to a possible total of \$200 million, to add facilities to as many as 70 truck stops in 28 States. IdleAire now operates facilities at 23 truck stops nationwide. The Colorado Education and Cultural Facilities Authority is setting up the bond issue. IdleAire said the funding would be used to provide "remotely available, online driver education and training." The company's services now include high-speed Internet access, in addition to heating and air-conditioning. That educational programming, the company said, will be delivered by the Driver Education and Idling Reduction Foundation, which is the Colorado affiliate of a national training foundation. Further information is available at http://www.landlinemag.com/todays_news/Daily/2005/Apr05/041505.htm#7and http://www.idleaire.com/newsroom/releases/04_12_2005.jsp Source: Land Line magazine, April 15, 2005

Texas Awards IdleAire Top Environmental Honor

IdleAire will be awarded a 2005 Texas Environmental Excellence Award on May 3, 2005. The awards, the highest honor from the Texas Commission Environmental Quality (TCEQ), are presented annually to environmental projects across the State "that demonstrate the highest achievements in resource conservation, waste reduction and pollution prevention," according to the TCEQ. IdleAire is receiving this very prestigious award in the Technology Innovation category. IdleAire has six Advanced Travel Center Electrification locations in Texas, including three in El Paso and one each in Dallas, San Antonio, and Baytown. At the time of the award nomination, those locations had reduced the idling of long-haul trucks by nearly 1 million hours, conserving a million gallons of fuel and reducing diesel emissions in the State's air by nearly 22 million pounds. TCEQ's selection process included interviews with truck fleet and travel center chain executives as well as long-haul drivers, and a visit to an IdleAire site. For more information, please see http://www.idleaire.com/newsroom/releases/04_22_2005.jsp. Source: John Doty, IdleAire

Kentucky to Put In Truck Stop Electrification

Beginning in August 2005, the Kentucky Transportation Cabinet will install 50 truck stop electrification slots on Interstate 75 in northern Kentucky. An additional 50 slots will be installed on Interstate 24 in Christian County by May 2006. For more information, please go to <http://transportation.ky.gov/News/4-18-05-2.htm>. Source: Joe Tario, New York State Energy Research and Development Authority

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If you are a new subscriber or have misplaced your issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

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Summary of State Anti-Idling Regulations

Look at the document at the following site for the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations (http://www.atrionline.org/research/results/idling_chart.pdf), although it does not include the changes in Pittsburgh. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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MotorWeek to Air Segment on Truck Idling Reduction

Starting Friday, April 1, 2005, the PBS television show, MotorWeek, will air a special show segment on truck idling reduction on PBS stations and the SPEED cable/satellite channel. It will run in the regular MotorWeek time slots nationwide for the next week or so. Please check local times and PBS channels for your area or check your cable/satellite programming guides for air times on the SPEED channel. <http://www.mpt.org/motorweek/stationlist.shtml>. Source: Dennis Smith, U.S. Department of Energy

DOE Solicitation Released for 2005 State Energy Program/Special Projects Opportunity

The U.S. Department of Energy Office of Energy Efficiency and Renewable Energy has recently released its State Energy Projects Special Projects Request for Proposals. This year there are funding opportunities in 17 categories, one of which is \$400,000 for idling reduction under the category of Clean Cities. Only State energy offices are eligible to participate, and the deadline for all proposals is May 6, 2005. Further information can be found at <http://www.eere.energy.gov/cleancities/financial.html> and <http://www.netl.doe.gov/business/solicit/index.html>

Multi-District Project Funding for Carl Moyer Program Now Available

The California Air Resources Board (CARB) is inviting all interested parties, including local air districts and individual project proponents, to apply for funds through the Carl Moyer Program Multi-District Project Solicitation. Section 44286 of the Health and Safety Code grants CARB the authority to reserve up to 10 percent of the program's funding for qualifying projects that are multi-district in nature. CARB has set aside \$2.928 million for multi-district projects in this fiscal year. Applications are now being sought from private and public entities and all California air districts. Proposals are due on April 18, 2005. The Carl Moyer Program Multi-District Project Solicitation is available electronically at <http://www.arb.ca.gov/msprog/moyer/solicitation-2004-05.pdf>. Project applications can be accessed on CARB's website located at <http://www.arb.ca.gov/msprog/moyer/moyer.htm>

FMCSA Study Lays Groundwork for BAA

The Federal Motor Carriers Safety Administration (FMCSA) announced the posting of the white paper, "Intelligent Transportation Systems (ITS) and Truck Parking." This white paper discusses the background and issues concerning truck parking and how ITS can help address the truck parking problem by matching parking availability and demand. The white paper was prepared in anticipation of a future Broad Agency Announcement (BAA) by the Agency to solicit concept papers for demonstration of a technology to provide real-time information on parking availability for truckers on the road. FMCSA expects to issue a BAA by April 15, 2005.

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http://www.fmcsa.dot.gov/safetyprogs/research/briefs/intelligent_transportation_truckparking.htm Source: Anant Vyas, Argonne National Laboratory

Pennsylvania Makes 38 Awards for Truck Idling Reduction Equipment

The Pennsylvania Small Business Advantage Grant Program recently awarded more than \$122,000 in grants to 38 small trucking businesses and individual truckers to purchase auxiliary power units (APU's). These grants were not only a significant portion of the \$418,735 in total awards, but they were also a significant portion of the 90 awards that were made. Grants for APU's ranged in size from \$425 to \$7,500.

This new program provides a 50-percent matching grant of up to \$7,500 for equipment or processes to reduce energy consumption and promote pollution prevention while helping to increase profitability for small businesses. The program is open to small business owners whose business or facility is located in Pennsylvania. The program stopped receiving applications in January 2005, 5 months before its scheduled deadline of June 30, 2005, due to the vast request for funding. Grants were awarded on a first-come, first-served basis. The program expects to reopen on July 1, 2005, when the new fiscal year begins.

<http://www.dep.state.pa.us/newsreleases/default.asp?ID=3339> Source: Arleen Shulman, Pennsylvania Department of Environmental Protection

EPA to Develop Guidance for Model Idling Law

In an effort to create consistent laws across the country, the U.S. Environmental Protection Agency (EPA) will host the first State/industry workshops to develop a model State or local idling law for heavy-duty trucks and buses. About half the country has State or local laws limiting the amount of time a vehicle can idle. Many of these laws differ from State to State, and this has created an inconsistent patchwork of laws that is confusing to truck drivers and fleets. Over the next few months, EPA will hold a series of workshops to develop a consensus approach to addressing these issues. EPA will bring together representatives from State air pollution control agencies, trucking associations, truck drivers, environmental organizations, and health associations. Dates and locations for these workshops will be announced soon. For more information about this effort, or to request participation in the workshops, please visit <http://www.epa.gov/smartway>. Source: Paul Bubbosh, EPA

Texas Business Groups Change Heart, Favor TMTA Idling Bill

Several Texas business groups, including the Texas Association of Business and the Texas Chemical Council, changed their minds and testified on March 15, 2005, in favor of the Texas Motor Transportation Association's (TMTA) proposed legislation before the Texas House Environmental Regulation Committee. The groups had earlier registered in opposition to the bill, saying trucking needed to do more to clean up the environment. In testimony before the committee, TMTA President Bill Webb pointed out the cost of emissions reductions to the

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trucking industry and made clear the industry's commitment to reducing idling and emissions. The bill impacts a Texas Commission on Environmental Quality rulemaking that limits idling to 5 minutes in a 24-hour period during the spring and summer months, which had become effective on December 9, 2004. The proposed legislation will allow for unlimited idling for truckers who are using their vehicles during Government-mandated rest periods. However, current State law prohibits idling for longer than 5 minutes from April 1 to October 31 in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties. HB1540 would not change that. http://www.landlinemag.com/todays_news/Daily/2005/Mar05/032505.htm#6

Sources: David Orr, Caterpillar, and Paul Abelson, *Land Line*, March 25, 2005

Georgia Considers Anti-Idling Regulation

According to the *Savannah Morning News*, the Georgia Environmental Protection Agency is in the early stages of preparing anti-idling regulations. Although a Georgia law prohibits drivers from leaving an idling vehicle unattended, there are no other State restrictions on idling. More than a dozen other States do have laws that restrict idling time, including some that limit idling to less than 3 minutes.

In Chatham County, school buses idle very little, according to Rufus Smith, branch manager at Laidlaw Education Services. Laidlaw's policy is to avoid idling when possible, though not mainly because of pollution concerns. "It's a safety-driven issue," Smith said. "When there's a motor running and there's children around, you could have a child run in between."

Savannah's port, which brings huge diesel-powered ships up and down the river, probably accounts for Savannah's big-city diesel problem despite its small-city size, Anne Gilliam of the Southern Alliance for Clean Energy said. But idling times for both trucks and ships are low at the Garden City terminal, according to Robert Morris, Georgia Ports Authority spokesman. Typical turnaround time for a truck delivering one container and picking up another is about 55 minutes, he said. Ships move in and out quickly, too.

<http://savannahnow.com/stories/022505/2835472.shtml> Source: Joe Tario, New York State Energy Research and Development Authority

Pittsburgh to Expand Recent Anti-Idling Regulation

A measure banning most diesel-powered vehicles from idling for more than 5 minutes in Allegheny County, Pennsylvania, was approved on March 3, 2005, by the Allegheny County Board of Health and moved to the County Council for consideration. The new ordinance would expand an existing rule banning excessive idling by diesel school buses to include all private and commercial diesel-powered vehicles except construction equipment, boats, and trains.

Diesel-powered pickup trucks would also be included in this regulation.

The proposed ordinance includes exceptions for engines needed to heat or cool passengers during temperature extremes and for vehicles stuck in traffic jams.

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The proposed ordinance carries a warning for first offenses and \$100 fines for subsequent violations. No citations have been written for violating the school bus ordinance, which went into effect in October 2004. The Board of Health is working on ways to regulate emissions from diesel trains idling at switchyards and will study diesel boat emissions as well.

http://www.pittsburghlive.com/x/search/s_309325.html

Indiana Idling Proposal for Cars Draws Four-Wheelers Ire

In Lawrence, Indiana, car drivers are getting a taste of what more and more truckers go through on a regular basis. Lawrence, which sits on the northeast side of Indianapolis, has a proposed ordinance that would forbid car drivers from idling their cars in the morning to warm the vehicles up, *The Indianapolis Star* reported. The complaints from residents (now that the shoe's on the other foot) may sound familiar. Among them, as told to *The Star*:

- "I think it should be someone's right to leave their car idling if they want to"
- "I think it is invasive. I think it is going too far"
- "It is excessive regulation"
- "It's cold out there ... I want it to be warm in the car when we get in"

The ordinance, according to the newspaper report, was designed to prevent cars from being stolen while they are idling.

http://www.landlinemag.com/todays_news/Daily/2005/Mar05/031705.htm#7 Source: *Land Line*, March 17, 2005

CARB Looks to Reduce Emissions by Ports and Railroads

The California Air Resources Board (CARB) is taking a hard look at pollution caused by the State's ports and railroads. Part of the focus on ports will include the emissions from diesel trucks that service the port terminals. Two new reports are the latest round in a decade-long plan by CARB, started in 2000, to cut all diesel emissions by 75 percent within 10 years. According to CARB's research, emissions from the ports of Los Angeles and Long Beach will be greater than all emissions from diesel trucks and gasoline-powered vehicles in the entire State combined by the year 2020 unless those emissions are reduced. The CARB plan includes several proposed regulations that are designed to cut emissions from ocean-going ships and harbor craft, as well as diesel-powered trucks and loading equipment that service them, according to a news release from the agency. Meanwhile, not all efforts are focused on trucks or ports. The Agency is also taking a hard look at railroads, which it says contribute almost 200 tons per day of ozone-forming compounds and NO_x emissions statewide. Another part of the CARB plan would require locomotives that operate only in California to use the same diesel fuel as on-the-road trucks.

CARB is also trying to get railroads to use only the locomotives that produce the least pollution within the State.

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http://www.landlinemag.com/todays_news/Daily/2005/Mar05/030205.htm#6 Source: *Land Line*, March 2, 2005

CARB Eyes Industry Incentives To Curb Emissions at Key Ports

CARB is considering whether to push for financial incentives to prompt freight transportation firms operating around nearby ports to curb diesel emissions, said a spokesman for that regulatory agency. CARB spokesman Jerry Miller said the Board had not decided whether to urge State lawmakers to create such incentives because of the State's current budget problems. At issue is how best to curb emissions at the sprawling nearby port facilities of Los Angeles and Long Beach, the two largest container ports in the United States and the ones that handle a huge portion of U.S.-Asia trade. Source: *Transport Topics*, March 7, 2005

April 2005 Issue of *Fleet Owner* Highlights Financial Incentives for Idling Reduction

A Special Report in the April 2005 issue of *Fleet Owner* is devoted solely to programs in the United States and Canada that provide tax incentives, grants, and loans to purchase idling reduction equipment or build infrastructure at truck stops. Source: Wendy Leavitt, *Fleet Owner*

Carl Moyer Program Seeking Input on Program Changes

As the Carl Moyer Program is currently structured, it provides incentive grants to reduce smog-forming emissions from heavy-duty diesel-powered vehicles and equipment. Its operating guidelines provide local air-quality management and air-pollution control districts with criteria for administering the program and selecting grant applications. Three key pieces of legislation passed in 2004 (SB 1107, Committee on Budget and Fiscal Review; AB 923, Firebaugh; and AB 1394, Levine) have now expanded the scope and funding of the Program. As a result, CARB staff is in the process of revising the existing guidelines to address the new requirements of the approved legislation. Proposed guideline revisions are scheduled to be presented to the Board at a public hearing on November 17, 2005. As part of the complete guideline revision process, staff will host a series of workshops through 2005 to solicit public participation. To provide ample time for discussion, the workshops scheduled for April/May 2005 will focus on six critical issues. There will also be time at the end of the day to discuss additional topics. Workshops will be held at the Port of Long Beach on April 26, 2005; in Sacramento on April 29; and in the San Joaquin Valley on May 5. Further information is available at

http://www.arb.ca.gov/msprog/moyer/cmp_workshop-april-may-2005.pdf

10 Fuel-Efficient Truckers Honored in Canada

The Canadian Trucking Human Resources Council (CTHRC) announced 10 winners of its third annual Idle-Free Campaign. The campaign, which was spearheaded by the FleetSmart division of Natural Resources Canada (NRCan), encourages truck drivers to

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shut down their truck engines at truck stops and help with Canada's commitment to reduce greenhouse gas emissions. The winners of the Idle-Free Campaign will receive a copy of CTHRC's owner-operator business skills CD-ROM. Written for owner-operators, by owner-operators, the CD course teaches basic business skills and helps the user to develop practical tools to help them in their business. NRCan estimates that idling trucks emit about 3,080 to 7,700 tonnes of greenhouse gas emissions per truck stop per year.

<http://www.todaystrucking.com/displayarticle.cfm?ID=3821>

Final Report on Canadian Idling Reduction Project Now Available

In the January issue of this newsletter, there was mention of a successful project on idling reduction sponsored by the Canadian Centre for Pollution Prevention. The final report and case study of the 6-week truckers idling reduction campaign can be accessed at

<http://www.c2p2online.com/documents/truckersidlingreductionfinalreport.pdf> and

<http://www.c2p2online.com/documents/truckersidlingreductioncasestudy.pdf>

Source: Kady Cowan, Canadian Centre for Pollution Prevention

More than 10,000 Webasto Coolant Heaters Recalled

The National Highway Traffic Safety Administration (NHTSA) has recalled 10,700 Webasto DBW 2010 coolant heaters. Campaign No. 05E015000 applies to certain coolant heaters made with Webasto burner tubes manufactured between November 1, 2002, and February 15, 2005. Some of the stainless steel burner tubes are made out of material that "is not to specification" and could fail prematurely. The recall notice says that should the burner tube fail, the coolant heater could overheat and possibly result in a fire. According to the recall, Webasto will notify its customers and replace the affected burner tubes with new certified burner tubes at no cost to the owner. Owners who do not receive their free remedy within a reasonable time should contact Webasto at (810) 593-6104.

http://www.landlinemag.com/todays_news/Daily/2005/Mar05/031105.htm#13 and <http://www-odi.nhtsa.dot.gov/cars/problems/recalls/results.cfm> Source: *Land Line*, March 11, 2005

International Announces New AC-Power System for Medium-Duty and Severe Service Vehicles

Diamond Logic™ PowerPack 3 is a patented, 3,000-Watt AC power system from International Truck and Engine Corporation that exceeds Underwriters Laboratories' standards and is a factory-installed option on medium-duty and severe-service vehicles.

While it offers heavy-duty mobile power for power tools, lights, test equipment and compressors, it can also be used to power onboard VCR's, refrigerators, microwaves, and TV's. The manufacturer claims that DC power always exists to start the vehicle since batteries always are at full load. http://www.internationaldelivers.com/site_layout/news/newsdetail.asp?id=613

Source: Wendy Leavitt, Fleet Owner

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Clean Air Task Force Supports Idling Reduction

The non-profit environmental advocacy group, the Clean Air Task Force, released a report entitled "Diesel and Health in America: The Lingering Threat" in late February 2005. Among the recommendations in the report, there were two that applied to idling reduction. The first was to urge cities and States to support truck stop electrification programs, and the second was to adopt and enforce anti-idling ordinances and legislation. Further information is available at <http://www.catf.us/publications/view/84>

California Releases Outreach Material in Spanish

Outreach material associated with California's heavy-duty truck idle limiting regulation is now available in Spanish. To view and download, please visit the website at <http://www.arb.ca.gov/toxics/idling/idling.htm>

Back Issues of National Idling Reduction Network News Available On-Line

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

Here is the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations (http://www.atri-online.org/research/results/idling_chart.pdf), although it does not include the changes in Pittsburgh. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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National Idling Reduction Plan Previewed at TMC Annual Meeting

The Technology and Maintenance Council of the American Trucking Associations held its 2005 Annual Meeting and Transportation Technology Exhibition from February 15 to 18 in Tampa, Florida. The meeting included several topics related to idling reduction, and Dr. Linda Gaines of Argonne National Laboratory presented the introduction to the idling reduction session and a preview of the *National Idling Reduction Plan*. There was a Study Group Session called "Potential Electrical/Electronic Solutions for Idling Reduction," which provided an overview of available technologies for reducing truck idling, more detailed presentations about several types of devices, and preliminary results from a U.S. Department of Energy demonstration project. Copies of these presentations can be obtained from Carl Smith at SurePower (Csmith@surepower.com), who chaired the well-attended session. There were also meetings of Task Forces concerning Inverter Selection, HVAC Performance and Testing Criteria, Cab Testing Methodology, and Truck Stop Electrification Standards. In addition, several equipment manufacturers exhibited at the show. *Source:* Linda Gaines, Argonne National Laboratory

Innovative Clean Air Technologies Grant Applications Now Available

The California Air Resources Board's (ARB) Innovative Clean Air Technologies (ICAT) grant program is soliciting applications for grants to be approved in December 2005. Instructions on how to apply are now available at www.arb.ca.gov/research/icat/solicit.htm. Approximately \$1 million (total) is available for qualified projects involving innovative air-pollution-control technologies and air-monitoring technologies. An application as described in the invitation must be e-mailed to ARB by March 16, 2005. Further information about the ICAT program is available at www.arb.ca.gov/research/icat/icat.htm or by contacting Kevin Cleary, ICAT manager, at (916) 323-1505 or kcleary@arb.ca.gov.

Canadian Funding Offered for Projects Related to Idling Reduction

Sustainable Development Technology Canada (SDTC) is a not-for-profit foundation with an investment fund of Can\$550 million. This foundation finances and supports the development and demonstration of clean technologies that provide solutions to issues of climate change, clean air, water quality and soil, and that deliver economic, environmental, and health benefits to Canadians. SDTC has recently released its next call for Statements of Interest (SOIs) for its next round of funding for projects. The closing date for receiving SOI applications is March 16, 2005. Any entity or person that does not have legal capacity in Canada may collaborate with eligible recipients in relation to an eligible project. These entities or persons can contribute in-kind, cash or advisory work, but they cannot receive direct SDTC funding. Current projects include fuel-cell powered forklifts, water-injection systems for marine diesels to reduce particulates and NO_x, hybrid-electric diesel switching locomotives, and liquefied natural gas/diesel engines for heavy-duty trucks. Further information can be found at <http://www.sdtc.ca>.

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Agriculture Department Seeks Innovative Environmental Projects

The U.S. Department of Agriculture National Resources Conservation Service has a solicitation that closes on March 28, 2005, for projects that stimulate innovative approaches to leveraging Federal investment in environmental enhancement and protection in conjunction with agricultural production. Up to \$15 million is available for cost-shared grants for single- or multi-year projects. Proposers should emphasize projects that have a goal of providing benefits over a large geographic area. These projects may be watershed-based, regional, multi-State, or nationwide in scope. State, tribal, and local governmental entities, non-governmental organizations, and individuals may apply. Applicants must provide non-Federal funding for at least 50 percent of the project cost. Up to 50 percent (25 percent of the total project cost) of the applicant's match may be from in-kind contributions. The remainder must be cash. Further information is available at

http://www.nrcs.usda.gov/programs/cig/pdf_files/CIG05RFPfinalversion.pdf.

Advanced Transportation Technologies and Systems Sought by NYSERDA

The New York State Energy Research and Development Authority (NYSERDA) has released Program Opportunity Notice (PON) 920, offering cost-shared funding for advanced transportation technologies and systems that can provide energy, economic, or environmental benefits to the State of New York. A total of \$2.5 million will be made available for two rounds of funding. The first round of proposals is due April 19, 2005, and the second is due on October 5, 2005. A copy of the PON is available at <http://www.nyserda.org/Funding/funding.asp?i=2>. Source: Michael Laughlin, New West Technologies

Texas Commission on Environmental Quality Announces Funding Opportunities for New Technology Research and Development

The Texas Commission on Environmental Quality's (TCEQ) New Technology Research and Development (NTRD) Program invites the submission of applications for technology projects. Projects considered under this request for grant applications (RFGAs) will be limited to "proof of concept" emissions testing of retrofit and/or add-on devices for heavy-duty diesel engines or qualifying diesel fuel additives. Projects for consideration should be commercially available as soon as practical, but no later than 5 years from the date of application. Applications for other types of project proposals will not be accepted under this RFGA. Proposals are due on March 24, 2005. Further information is available at

<http://www.tnrc.state.tx.us/oprd/sips/resarch.html>. Source: Sandra Jo Garcia, Texas Commission on Environmental Quality

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Hybrid Electric School Bus Project Seeks Participants

Advanced Energy of Raleigh, North Carolina, is seeking Statements of Interest (SOI) to begin the production of a hybrid electric school bus (HESB) pilot fleet. SOI responses are encouraged from private entities that are qualified and experienced with the design, construction, and production of school buses as well as partners that are qualified and experienced with the design, construction, and production of hybrid drive systems. Advanced Energy is seeking responses of interest for producing a pilot fleet of at least 20 buses with hybrid drivetrain systems. SOIs are due to Advanced Energy on March 22, 2005. Further information is available at http://www.schoolbusfleet.com/t_inside.cfm?action=news&storyID=771 and <http://www.advancedenergy.org/corporate/initiatives/heb/busbuy/early%20production%20purchase.pdf>. Source: Joe Tario, New York State Energy Research and Development Authority

EPA Toolkit Shows How to Use SEPs to Promote Energy Efficiency and Renewables

EPA's State and Local Capacity Building Branch has released a new toolkit to help State and local governments pursue energy-efficiency or renewable energy projects through enforcement settlements. Under these settlements, violators may voluntarily agree to undertake Supplemental Environmental Projects (SEPs) as a way to offset a portion of their monetary penalty. The toolkit shows State and local agencies how to use SEPs as an opportunity to support new renewable energy and energy-efficiency projects. The toolkit presents the case for pursuing energy-efficiency and renewable energy within settlements, provides examples in which SEPs have been used to support such projects, offers additional ideas for projects, and includes a step-by-step regulatory "road map" for pursuing SEPs. The toolkit also provides 30 pages of useful SEP resources for State and local regulators, including EPA and State SEP policies and guidance, SEP libraries, a list of contacts, a peer exchange network, sample outreach documents, cases and settlements including energy-efficiency or renewable energy SEPs, and other materials. The toolkit is available online at <http://www.epa.gov/cleanenergy/stateandlocal/> and at <http://cfpub.epa.gov/compliance/resources/policies/civil/seps/>. Source: Diane Turchetta, Federal Highway Administration

New Port of Los Angeles Facility to Relieve Congestion and Reduce Idling

The Port of Los Angeles will begin discussions with BNSF Railway Company (BNSF) about developing a new intermodal facility within 5 miles of the Port of Los Angeles. This facility would allow trucks loaded with cargo containers from ships to travel just a short distance before transferring the containers to rail cars. Trains would then travel through the Alameda Corridor and on to their destinations in the Midwest, Southeast, and beyond. The Port of Los Angeles currently has one near-dock intermodal container transfer facility in Wilmington operated by Union Pacific Railroad. This second near-dock rail yard is being planned in the same general area, just south of the existing yard. Currently, trucks travel 20 miles from the Port to reach

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BNSF's closest rail yard at the end of the I-710 freeway, just east of downtown Los Angeles. In 2004, the Board of Harbor Commissioners adopted an official Rail Policy. The Rail Policy focuses on increased rail usage at the Port as a means to alleviate traffic congestion and air emissions as Port operations continue to grow. Further information can be found at http://www.lacity.org/portofla/press/portoflapress31027284_02092005.pdf, <http://www.communitiesmatter.com/details.html>, and http://www.bnsf.com/news/articles/2005/02/2005_02_09a.html?index=/news/index.html.

West Coast Collaborative to Hold Public Workshop

The Port of Seattle and the Puget Sound Clean Air Agency are hosting the next West Coast Collaborative Public Workshop on March 21-22, 2005, at the Seattle Sheraton and Towers, Seattle, Washington. This 2-day event will begin with a morning of optional field trips to local diesel mitigation demonstration projects. The Workshop itself will officially start at noon on March 21 and will conclude at 5 p.m. on March 22. Sessions throughout the Workshop will focus on existing resources and securing additional Federal funds for diesel emissions reductions along the West Coast. There will also be an exhibition hall and opportunities for cross-sector discussions on issues, such as bio-diesel infrastructure and intermodal transport solutions. A draft agenda and registration forms can be found at <http://www.westcoastcollaborative.org>.
Source: Michelle Roos, U.S. Environmental Protection Agency

California Air Resources Board Begins Enforcement of Idling Vehicle Rule

Effective February 1, 2005, the California Air Resources Board (ARB) began enforcement of its 5-minute anti-idling rule for trucks and buses. The new regulation (§ 2485, Chapter 10, Article 1, title 13, California Code of Regulations) limits idling of diesel-fueled commercial motor vehicles with a gross vehicular weight rating greater than 10,000 pounds to 5 minutes. It will be enforced primarily by ARB diesel truck inspectors, who inspect smoking trucks and buses for tampering and poor maintenance to engines that can increase emissions. Local law enforcement agencies and the California Highway Patrol, however, can also issue citations. Tickets start at \$100, and there is no maximum. The rule applies to any truck idling for more than 5 minutes and any bus idling for more than 10 minutes when either vehicle is not engaged in work activities. Long-haul truckers who sleep by the side of the road en route to destinations are exempt from the time limit for now, but must abide by the part of the rule that bans any diesel vehicle weighing over 10,000 pounds from idling within 100 feet of a residence or a school. Similar to other ARB rules, the idling rule will be applied to any truck or bus operating within California, regardless of where the vehicle is registered. For more information, please see <http://www.arb.ca.gov/newsrel/nr013105.htm>.

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School Buses Now Idle Less in Tennessee, Arizona, and New York

In Tennessee, the Sevier County school system has taken steps to clear the air in and around its buses. The Sevier County Board of Education passed restrictions on idling in January 2005 and is preparing to spend \$750,000 in grant money to retrofit its buses to lower emissions. Knoxville is at the center of nonattainment zones for both ozone and fine particle pollution. The area, which includes Sevier County, is under a Federal mandate to reduce pollution levels. Sevier County will spend up to \$8,000 per vehicle for emissions control equipment, officials said. Using ultra-low-sulfur diesel fuel adds as much as 20 percent to fuel costs. The \$750,000 grant awarded to Sevier County Schools comes from the Clean Buses for Kids School Bus Diesel Retrofit Program. The program is funded as part of a settlement between the U.S. Environmental Protection Agency (EPA) and Toyota Motor Corp. For more information, please see http://www3.knoxnews.com/kns/local_news/article/0,1406,KNS_347_3489581,00.html

In Arizona, Gilbert Public Schools and other school districts near Phoenix have helped draft a Statewide bus idling policy as part of the Arizona Department of Environmental Quality's (ADEQ) Children's Environmental Health Project. The policy encourages bus drivers to turn off their engines upon reaching school sites and to park at least 100 feet from school air-intake systems. Gilbert Public Schools has modified its own bus-idling policy under ADEQ's recommendations, which were released at the beginning of the school year. The district's policy now limits school bus idling to 5 minutes instead of 10 and includes non-school sites, such as field-trip locations. Gilbert Public Schools, Scottsdale Unified School District, Paradise Valley School District, along with four other Arizona school districts are participating in the pilot project. ADEQ is hoping to gather feedback from these districts on the program's effectiveness. For more information, please see <http://www.azcentral.com/community/gilbert/articles/0125gr-busidlingZ12.html#>

In New York, the Bethlehem Central School District has adopted a no-idling policy on school grounds for school buses and private vehicles. The policy had been in development for more than a year, in cooperation with a group of local parents who were interested in seeing a written policy in place. The policy itself reinforces existing New York State idling restrictions, but the district also hopes that "no idling" signs at each of its schools will encourage all drivers to make the schools idle-free zones. Accordingly to the policy, school buses will be shut off while waiting to load or unload passengers on school grounds. Exceptions are allowed, within the limits of State law, when necessary for mechanical or cold weather reasons. The policy also limits idling by privately owned passenger vehicles to no more than 30 seconds while on school grounds to drop off or pick up students. For more information, please see <http://bcsd.k12.ny.us/news/050217noidling.htm>. Source: Joe Tario, New York State Energy Research and Development Authority

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IdleAire Receives Three Grants for Advanced Truck Stop Electrification

EPA funding will allow Gary, Indiana, to be home to Indiana's first 'electrified' truck stop in an attempt to limit extended truck idling. Construction of the truck stop will begin this year with technology provided by IdleAire Technologies Corp. The facility is expected to improve air quality, reduce noise, and conserve fuel by eliminating the need to idle on site. The truck stop will cost \$835,000, with funding provided by Federal, State, and private sources. IdleAire will contribute \$375,000 towards construction; \$125,000 will come from an EPA truck stop electrification demonstration grant in 2002, while the remaining funds will be provided by the Indiana Department of Environmental Management. EPA anticipates that in 2005, there will be 40 such demonstration projects nationwide. Further information is available at <http://www.eesi.org/publications/Newsletters/Clean%20Bus%20Update/Jan2005.htm>. *Source:* Linda Gaines, Argonne National Laboratory

In Pennsylvania, IdleAire has recently been awarded two State grants for advanced truck stop electrification. Under the Energy Harvest initiative, the company received \$360,000 to electrify a truck stop in Carlisle. Under the Alternative Fuel Incentive Grant program, IdleAire received \$540,000 to install electric power units at an as yet undetermined truck stop. Both grants require cost reimbursement by the grantee. Further information can be found at <http://www.dep.state.pa.us/newsreleases/default.asp?ID=3284&varQueryType=Detail>. *Source:* Ana Gomez, Pennsylvania Department of Environmental Protection

Natural Resources Canada Extends Anti-Idling Rebate Program

Natural Resources Canada (NRCan) is extending its rebate program for fleets that purchase and install qualifying anti-idling equipment on trucks. The Commercial Transportation Energy Efficiency Rebate Program, administered by NRCan's FleetSmart program in cooperation with equipment suppliers, will continue from April 1, 2005, through March 31, 2006. All program parameters remain the same at this time. The government offers rebates of up to 20 percent on cab heater and air-conditioning units (up to a maximum of Can\$350) or auxiliary power generators (up to a maximum of Can\$1,400) that offer alternatives to idling. The program also promises investment in biodiesel projects and a plan to explore AC power at truck stops. Further information is available at <http://www.todaystrucking.com/displayarticle.cfm?ID=3726>.

New Webpage for Goods Movement and Ports in California

The California Business, Transportation & Housing Agency and Cal/EPA have created a joint webpage to provide access to documents presented at public meetings and to share information about movement of goods in California. It contains a policy statement and information about the public meeting held on February 11, 2005, to hear information

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regarding goods movement and the impacts and infrastructure needs for Northern California and the Central Valley. Further information can be found at <http://www.arb.ca.gov/gmp/gmp.htm>.

Teaneck Residents Testify Against Idling Locomotives

Teaneck, New Jersey, residents testified at a New Jersey State Assembly transportation hearing against long-duration idling of locomotives near their residences. Residents say CSX has made their lives miserable since it took over the old Conrail line in 1999. While freight trains used to pass through Teaneck, now they stop and idle almost daily. Other towns in North Jersey have the same problem, and residents are also concerned about hazardous cargo sitting on the tracks for hours on end. A CSX spokesman said CSX has begun a \$50 million initiative to ease congestion. It includes building more tracks, updating antiquated signal systems, and creating more rail yard space. Some projects will take up to 4 years. He also said that engineers were being instructed not to idle their trains for more than 2 hours, weather permitting. While he stated that trains cannot turn off when the temperature is less than 45 degrees, or they may damage their engines, residents dispute this. Further information can be found at <http://www.northjersey.com> Source: Joe Tario, New York State Energy Research and Development Authority

EPA to Build World's First Full Hydraulic Hybrid Urban Delivery Vehicle

EPA and four partners are building the world's first full hydraulic hybrid urban delivery vehicle with significantly improved fuel economy and reduced harmful emissions. The partners -- UPS, Eaton Corp., International Truck and Engine Corp., and the U.S. Army National Automotive Center -- seek to transfer EPA technologies from the laboratory to the marketplace. The application of this technology can be especially significant because urban delivery vehicles -- including buses, refuse trucks, and package delivery vehicles -- often operate in stop-and-go traffic. The benefits of this technology are reduced pollution and increased fuel economy. Further information can be found at <http://www.epa.gov/otaq/technology/index.htm#hydraulic>.

New Ordinance to Ban Parking in Monroe, New Jersey, Industrial Park

An ordinance banning parking on public roads in the South Middlesex Industrial Park in Monroe, New Jersey, was created in response to complaints from homeowners in nearby residential areas. There had been numerous complaints about truck drivers leaving their engines idling all night along the roads of the industrial park, which is home to a U.S. Postal Service distribution center and dozens of warehouses and other businesses. The ordinance would prohibit parking, stopping, or standing at all times along the roads in the industrial park that are overseen by the township. The ordinance will have a second reading on March 7, 2005. Further information can be found at

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http://www.packetonline.com/site/news.cfm?newsid=13939097&BRD=1091&PAG=461&ept_id=346950&rft=8. Source: Joe Tario, New York State Energy Research and Development Authority

Back Issues of *National Idling Reduction Network News* Available On-Line

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are now located at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.shtml.

Summary of State Anti-Idling Regulations

Here is the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations (http://www.atri-online.org/research/results/idling_chart.pdf), although it does not include the changes in Pittsburgh. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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Preliminary National Idling Reduction Plan to be Unveiled at TMC Meeting

Initial results from the planning process begun at the National Idling Reduction Planning Conference held in Albany in May 2004 will be presented on February 16, 2005, at the American Trucking Associations' Technology and Maintenance Council Meeting in Tampa, Florida. In the session entitled, "Potential Electrical/Electronic Solutions for Idle Reduction," Dr. Linda Gaines of Argonne National Laboratory will explain how the technology, finance, regulation, and outreach working groups are developing a national consensus on appropriate actions to reduce unnecessary idling of all heavy vehicles as quickly as possible. It is hoped that early unveiling of preliminary ideas will enable additional inputs and constructive suggestions from additional stakeholders. *Source:* Linda Gaines, Argonne National Laboratory

West Coast Diesel Collaborative Request for Proposals Closes on February 11, 2005

Regions 9 and 10 of the U.S. Environmental Protection Agency (EPA) are soliciting Initial Proposals to reduce diesel emissions along the West Coast. EPA expects to award up to 20 grants having a total value of \$1 million. Closing date for applications is February 11, 2005. Applications should support regional collaborative demonstration projects that reduce diesel emissions and protect human health and the environment. Projects should be regional in scope, include a diverse group of stakeholders, leverage funds from a variety of sources, and achieve real measurable reductions and results. Further information can be found at <http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-GRANTS-122104-001/Grant.html>.

Source: Michelle Roos, EPA

California to Hold Public Meetings on Goods Movement and Ports

On January 27-28, 2005, the California Environmental Protection Agency and the Business, Transportation & Housing Agency will host a 2-day public meeting in Los Angeles on Goods Movement and Ports. The discussion will focus on the entire "coast to border" goods movement system, including ports, railways, existing roads and highways, dedicated truck lanes, and logistics centers. Representatives from ports; railroads; the shipping and trucking industries; labor, environmental and community groups; Federal, State, and local governments; and others interested in issues associated with goods movement are being asked to participate. Further information can be found at <http://www.arb.ca.gov/msprog/offroad/marinevess/meetings/012705gmp.pdf>

Allegheny County to Hold Public Hearing on Idling Reduction

The Allegheny County (Pittsburgh, Pennsylvania) Health Department will hold a public hearing on Monday, February 14, 2005, to accept comments on a proposed regulation to prevent unnecessary idling from heavy-duty diesel-powered vehicles. School buses were covered by a previous regulation. The proposed regulation would limit idling to 5 minutes for commercial trucks, buses, construction vehicles, locomotives, and marine vessels. There would be exceptions depending on the temperature and the need to power heating, air-conditioning, and

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auxiliary equipment during the driver's sleeping or resting time. Further information is available at <http://www.post-gazette.com/pg/05006/438076.stm> and <http://www.achd.net/>. Source: Joe Tario, New York State Energy Research and Development Authority

Massachusetts Crackdown on Idling School Buses Yields Results

The Commonwealth of Massachusetts is continuing its crackdown on school buses that idle unnecessarily. During inspections in the early fall of 2004, the Massachusetts Department of Environmental Protection (DEP) cited 11 school bus operators for violating a State law that limits idling to 5 minutes, with only three exceptions. There were violations by 10 percent of the buses observed at 35 percent of the schools that inspectors visited. By late fall of 2004, after the announcement of the violations, DEP officials found violations by only 2 percent of the school buses observed at 14 percent of the schools visited. DEP later announced enforcement actions against another three companies who provide school bus services. The law applies to both diesel- and gasoline-powered vehicles. Further information can be found at <http://www.mass.gov/dep/pao/news/busidle2.htm>.

Source: Julie Ross, Massachusetts DEP

Material Installations Ordered to Pay Fine and Retrofit Equipment

As noted in the November 2004 issue of this newsletter, Material Installations, Inc., of North Andover, Massachusetts, had been cited by EPA for violations of the Massachusetts anti-idling law. Since that time, the company has agreed to pay \$45,817 in fines and will install diesel emissions control equipment on most of its fleet. EPA can enforce this law because it is part of the State's effort to meet Federal air-quality standards. Further information can be found at <http://www.epa.gov/region1/pr/2005/jan/dd050102.html>. Source: Joe Tario, New York State Energy Research and Development Authority

Canadian Truckers Respond to Anti-Idling Campaign

The Truckers Idling Reduction Program, conducted by the Canadian Centre for Pollution Prevention (C2P2), was presented to 1,500 truck drivers at the U.S.-Canada border crossing and weigh scales along Canadian Highway 402. This highway runs into U.S. Interstate Highways 69 and 94 at Port Huron, Michigan, over the Blue Water Bridge. The purpose was to illustrate to truckers, through various mechanisms, the impacts of idling and what they can do to operate engines with the least amount of emissions. The group says that during the 6-week campaign, about half the drivers pledged support for anti-idling initiatives. Furthermore, 160 drivers signed a declaration agreeing to reduce their idling for 1 hour a day for 1 week. Further information can be found at <http://www.todaystrucking.com/displayarticle.cfm?ID=3695>.

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OOIDA Offers Financing for Trucks and Trailers

The Owner-Operators Independent Drivers Association (OOIDA) has recently started a Truck Finance Program for its members who want to buy or lease new or used trucks and trailers. Auxiliary power units or other idling reduction equipment can be rolled into the price to be financed. According to OOIDA, this financing allows owner-operators greater opportunities and more competitive choices than those offered by dealers.

http://www.landlinemag.com/todays_news/Daily/2005/Jan05/010605.htm#5

Idling Reduction Featured in *Mechanical Engineering* Magazine

Mechanical Engineering, published by the America Society of Mechanical Engineers, has a feature article in its January 2005 issue on-line devoted to technologies available to reduce the need for idling of heavy vehicles. It also mentions the National Idling Reduction Planning Conference last May in Albany and the call from the attendees to develop the National Idling Reduction Plan. Further information can be found at

<http://www.memagazine.org/contents/current/features/idlehour/idlehour.html>. Source: Joe Tario, New York State Energy Research and Development Authority

Overdrive Article Summarizes Uneven Enforcement of Anti-Idling Regulations

The cover story of the December 2004 issue of *Overdrive* offers interviews with State air-quality officials who discuss their views on enforcing anti-idling regulations in their jurisdictions. The article provides a nice summary of when and how often the regulations are enforced and why some are enforced more than others.

<http://www.etrucker.com/apps/news/article.asp?id=45557> Source: Tom Perrot, New West Technologies

Port of Long Beach Interested in Novel Diesel Emission Control Device

The Harbor Commissioners of the Port of Long Beach have recently lauded the potential of a novel device from Advanced Control Technology, Inc., to control diesel emissions from ships in port or at anchor just outside the harbor. The invention captures diesel exhaust from ships by deploying a flexible hood over their smokestacks. The hood is placed on the smokestack by a robotic arm, and the captured exhaust is diverted to a tank where pollutants would be removed by a two-stage, "wet-scrubbing" process. The whole system would be mounted aboard a barge, making it mobile. While the company is trying to negotiate a \$10 million, 5-year contract for two barges, the system still needs approval from the California Air Resources Board. According to an environmental consultant for the Port, this technology could be more cost-effective for reducing pollution than electrically powering or "cold ironing" ships at port.

<http://www.enn.com/today.html?id=6904>

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Summary of State Anti-Idling Regulations

Here is the most up-to-date list of regulations in States and municipalities that cover anti-idling regulations (http://www.atri-online.org/research/results/idling_chart.pdf), although it does not include the changes in Pittsburgh. If your State or municipality has changed anything listed here or if it is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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In Memoriam Frank Stodolsky May 16, 1952- November 26, 2004

If it weren't for Frank, you wouldn't be reading this newsletter. He rekindled DOE's interest in idling reduction as a cost-effective opportunity for petroleum savings by heavy vehicles, and began the collaborations with industry that enabled the current multi-stakeholder planning effort. His desire for perfection in no way inhibited his creativity. We will all miss him. *Source: Linda Gaines, ANL*



National Idling Reduction Network News Moves to New Website

There was an error in the URL for past and the current issues of the *National Idling Reduction Network News*. The correct address is <http://www.eere.energy.gov/vehiclesandfuels/pdfs/newsletters>. Please change your bookmarks to this new site.

Collaborative Diesel Emissions Reductions: 2005 Requests for Initial Proposals

U.S. Environmental Protection Agency (EPA) Regions 9 and 10 are soliciting Initial Proposals to reduce diesel emissions along the West Coast. These grants support regional collaborative demonstration projects that reduce diesel emissions and protect human health and the environment. Projects should be regional in scope, include a diverse group of stakeholders, leverage funds from a variety of sources, and achieve real measurable reductions and results. Regional projects have impacts across district, State or national borders or are transferable across borders. This is an initial solicitation. This assistance will be awarded through Clean Air Act §103, 42 U.S.C §7403. EPA Regions 9 and 10 estimate that 5-20 projects from those submitted in response to this solicitation may be selected to submit full applications. Both initial and renewal proposals will be accepted for consideration. Assistance agreements will range in size up to \$250,000 per grantee. For more information, please go to: <http://www.epa.gov/region09/funding/wcd-funding05.html>. *Source: Michelle Roos, EPA Regional 9*

Society of Automotive Engineers Needs You!

At recent idling reduction conferences, the question of setting a standard for electrical interface to shore power and on-board systems has been raised. A new Society of Automotive Engineers (SAE) Recommended Practice (RP), J2698, is being developed to address electrical standardization.

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The task force for J2698 met for the first time at the October SAE Commercial Vehicle Engineering Congress. At that meeting, a scope was established for the J2698 RP, and the title was set as: PRIMARY, SINGLE PHASE 120 VAC UP TO 240 VAC WIRING DISTRIBUTION ASSEMBLY DESIGN. The RP will cover 120 to 240 VAC connections on sleeper cabs with power source connections to shore power, inverters, and auxiliary power unit gen sets. This RP is not intended for hybrid-electric trucks, trailer refrigerator units (TRU's), 3-phase wiring, or shore-based communications hook-ups. If you feel you have knowledge and skills in this area and would like to offer assistance to the task force, please contact the committee chair, Mike Meleck, from Phillips and Temro Industries at (204) 654-6216 or meleck@phillipsandtemro.com. The next formal meeting will be at the American Trucking Associations Technology Maintenance Council winter meeting in Tampa, Florida, in February 2005.

Report on Three Idle Reduction Technology Projects Now Available

The U.S. Department of Energy (DOE) Advanced Vehicle Testing Activity has just released a report summarizing the status of three idle reduction technology demonstration projects. To obtain a copy of the report, please go to http://www.nrel.gov/vehiclesandfuels/fleetttest/publications_idle.html, or contact Ken Proc at the National Renewable Energy Laboratory (303-275-4424).

State-Wide Idle Reduction Campaign in Arizona Signs Up Six School Districts

Amphitheater and Tucson Unified School Districts were among the six schools districts in Arizona to sign on to a Statewide idle reduction campaign. The campaign, which educates school bus drivers and school officials about the need to reduce idling, requires bus drivers to idle no more than 5 minutes at any given time. Among the facts about idling and health are "1 hour of idling burns approximately 1/2 a gallon of fuel. If a school bus fleet has 50 buses and each bus reduces its idling time by 30 minutes a day, the fleet would save over \$2,500 per school year in fuel costs." These are numbers that school officials are following closely as all schools are in a crunch to reduce costs. *Source:* Colleen Crowninshield, Tucson Regional Clean Cities Coalition

Free Toolkits Focus on Dangers of Idling Engines in Oregon

Free toolkits are available to Oregon teachers wanting to teach their students about the negative effects of drivers unnecessarily idling their engines. The Oregon Environmental Council is providing the "It's Not Cool to Idle at School" toolkit, which helps teach students about turning off their engines and making the air around their school cleaner. Laura Weiss, OEC program director, said that a single idling car dropping off and picking up children at school can put 3 pounds of pollution into the air each month. To order a toolkit, please go to <http://www.orecouncil.org/Partnerships/Health/Healthy%20Schools.htm>, or contact Laura Weiss at (503) 222-1963, extension 111, for more information. *Source:* Joe Tario, New York State Energy Research and Development Authority

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Idling Locomotives Become Federal Case in Massachusetts

The Chelmsford, Massachusetts, Board of Health sent a letter on August 27, 2004, to the Boston and Maine Corporation and Springfield Terminal Railway Company, which operate as the Guilford Rail System through the town, asking it to cease and desist the idling of locomotives in the town. The Guilford locomotives often idle more than 30 minutes in the town, a violation of Massachusetts Code of Regulations §7.11(2). In response to the letter, on September 24, 2004, the railroads sued the town, its Board of Health, and the Massachusetts Department of Environmental Protection for lack of jurisdiction. It is Guilford's position that only the Federal Government can regulate locomotives, and locomotives need to idle for more than 30 minutes just to charge their air braking system. Railroad traffic through the town often stops and idles because of backups due to other freight volume in nearby freight yards. The case is now pending in Federal Court in Boston, docket No. 04-12069. *Source:* Tom Spoth of the *Lowell Sun* and Joe Tario, New York State Energy Research and Development Authority

Survey of Anti-Idling Regulations Shows Little Enforcement

The Philadelphia Inquirer published the results of its survey of enforcement of anti-idling regulations on December 13, 2004. According to the newspaper, 13 of 21 State agencies surveyed issued 10 or fewer citations for the most recent year available, which was 2003 in most cases. Eight had written no tickets at all. Philadelphia has issued 17 \$300 tickets so far this year after years of little or no enforcement. The highest number of tickets was in New York City (339), followed by New Jersey (130), New York State (167), and Washington (49). For further information, please go to [http://nl.newsbank.com/nl-search/we/Archives?s_site=philly&p_multi=PI|&p_product=PI&p_theme=realcities&p_action=search&p_maxdocs=200&p_text_search-0=idling%20AND%20diesel&s_dispstring=idling%20diesel%20AND%20date\(last%20180%20days\)&p_field_date-0=YMD_date&p_params_date-0=date:B,E&p_text_date-0=-180qzD&p_perpage=10&p_sort=YMD_date:D&xcal_useweights=no](http://nl.newsbank.com/nl-search/we/Archives?s_site=philly&p_multi=PI|&p_product=PI&p_theme=realcities&p_action=search&p_maxdocs=200&p_text_search-0=idling%20AND%20diesel&s_dispstring=idling%20diesel%20AND%20date(last%20180%20days)&p_field_date-0=YMD_date&p_params_date-0=date:B,E&p_text_date-0=-180qzD&p_perpage=10&p_sort=YMD_date:D&xcal_useweights=no). *Source:* Diane Turchetta, Federal Highway Administration, and Jackie Bernstein, Philadelphia area resident

New Regulations in Place for Reefers in California

Effective December 10, 2004, the California Air Resources Board (CARB) now requires that all TRU diesel engines and gen sets comply with a CARB order to meet stringent, in-use emission performance standards. The devices must also promote a Verified Diesel Emission Control Strategy that includes meeting alternative fuel and technology options. The regulation applies to facilities located in California with 20 or more loading dock doors serving refrigerated areas where perishable goods are loaded or unloaded for distribution on trucks, trailers, shipping containers, or rail cars that are equipped with TRU's and TRU gen sets and that are owned, leased, or contracted for by the facility, its parent company, affiliate, or subsidiary that is

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under facility control. <http://www.arb.ca.gov/regact/trude03/fro1.pdf> Source: Joe Tario, New York State Energy Research and Development Authority

California Joins List of States Having Anti-Idling Regulations

As of January 1, 2005, idling of diesel-fueled commercial motor vehicles with a gross vehicular weight rating of more than 10,000 pounds will be restricted in California. The new regulation (California Code of Regulations, §2485, Chapter 10, Article 1, title 13) limits idling of heavy vehicles to no more than 30 minutes at any location. It also limits the idling of an auxiliary power unit (APU) to power a heater, air-conditioner, or any ancillary equipment on the vehicles to no more than 5 minutes if you have a sleeper berth and you are within 100 feet of a restricted area, such as a homes or schools. Failing to comply with the law may bring a minimum fine of \$100 and possible criminal penalties. The list of exceptions to this new requirement is at <http://www.arb.ca.gov/toxics/idling/idling.htm>. Source: Linda Gaines, Argonne National Laboratory.

RailPower Awarded Texas R&D Funding for New Branch Line Hybrid Locomotive

The Texas Emissions Reduction Program (TERP) announced an award to RailPower Technologies Corp. for a New Technology Research and Development grant on December 10, 2004. The project will extend the application of the RailPower Green Goat™ diesel-battery-electric hybrid switch locomotive technology to include "road-switching" applications, such as local and branch line service. The TERP grant will be used to develop one pre-production branch line hybrid locomotive for use in Texas. Of the 22 grants awarded, 4 are for locomotives; the other 3 awardees are Ocean Air Environmental, GE Rail of General Electric Corp., and Railway Equipment Corp. For further information, please see http://www.tnrc.state.tx.us/oprd/sips/Selected_list.pdf. Source: Linda Gaines, Argonne National Laboratory

EPA SmartWay Program Announces 100th Member

Since September 2004, the EPA SmartWay Program has added 28 additional new Partners, bringing the total to 112. The Program also unveiled its first national marketing campaign at a press conference at the National Industrial Transportation League Annual Meeting in San Antonio, Texas, on November 15, 2004. Initial placements of the information will be in freight trade publications, such as *FleetOwner*, *Transport Topics*, *Food & Beverage*, and *Distribution Channels*. To see the entire campaign, please visit <http://www.epa.gov/smartway/swresources.htm#wheels>. Source: Linda Gaines, Argonne National Laboratory.

IdleAire Receives High Honors in California

IdleAire Technologies' Advanced Travel Center Electrification (ATE) system was the sole winner in the Technology Innovation category of the 2004 California Governor's Environmental & Economic Leadership Awards on December 2, 2004, at California Environmental Protection Administration headquarters in Sacramento.

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According to the Governor's office, the awards recognize those individuals, organizations and companies that "show a deep commitment to balancing environmental preservation and protection with the need to keep California's economy growing." The award announcement highlighted IdleAire's impact on the State during a 1-year period. During that time, IdleAire's six ATE installations in California claim to have reduced idling of long-haul trucks by nearly 600,000 hours, diesel emissions by over 6,000 metric tons, created about 110 jobs, and conserved over half a million gallons of diesel fuel. On December 3, the company also received the 2004 Blue Sky Merit Award from Calstart in Pasadena. This award was for "significant and noteworthy contributions" in bringing clean, efficient transportation to market. *Source:*

<http://www.landline.com>

Schneider Installing Truck Cab Heaters

As a result of the impressive results from its participation in the DOE Advanced Vehicle Testing Activity, Schneider National, Inc., is installing truck cab heaters on all new and model year 2003 trucks. Results from the Schneider 100-truck test fleet using Webasto's Airtop 2000 cab heater showed that idle time was reduced from 22 percent to 9 percent. In addition, trucks using the auxiliary cab heater in cold weather averaged 2 percent better fuel economy. For more information, please go to http://fleetowner.com/news/schneider_auxiliary_cab_heater_120904/. *Source:* Joe Tario, New York State Energy Research and Development Authority

Port of Los Angeles Proposal for Cold-Ironing Wins Plaudits and Pans

Officials at the Port of Los Angeles recently re-opened the bidding process by which shipping companies are to reduce pollution at the port. The port wants to require that 70 percent of the docked ships use electricity while in port, a process called "cold ironing," within the next 3 years. In response to the re-bidding process, five bids were submitted, and the winning proposal was from P & O Nedlloyd Container Line. The port commissioners felt that this proposal was the most environmentally sound of the five bids and would bring in the most revenue for the port. The winning proposal merited \$57.1 million for 5 years. P & O Nedlloyd firm promised to install new smog-reducing technology for all its docked ships within 3 years and at the end of 3 years have all its ships at the terminal use electricity while docked. Further information can be found at <http://www.latimes.com/news/local/la-me-port11dec11.1.7187028.story?coll=la->.

Source: Diane Turchetta, Federal Highway Administration

Parking Heater to Reduce Idling in Your Own Driveway

The Chicago Tribune is reporting that you can now buy an idling reduction device for your personal vehicle. Now that winter is here, some people prefer bringing the passenger compartment to a toasty level before driving off to work in the morning, and Webasto

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now supplies a parking heater that can do just that for you. If you have room in your engine compartment for this device and \$1,800, you too can be comfortable on those cold winter mornings. <http://www.chicagotribune.com/business/columnists/chi-0411240154nov24,1,7829874.column?coll=chi-homepagebiz-utl> and http://www.webasto.com/products/en/3115_3422.html Source: Joe Tario, New York State Energy Research and Development Authority

XCel Energy Cuts Costs by Reducing Idling

According to an August 27, 2004, article in *The Denver Post*, Xcel Energy responded to higher diesel fuel costs by limiting the amount of idling of its vehicles to no more than 5 minutes. Idling reduction is one of the ways that this utility, which services 11 States, is attempting to keep its costs down. This new way of doing business is expected to save about 5 percent of fuel costs, or about \$391,000 per year. Source: Sue Leitner, Tri-State Clean Fuels Network

Sue Leitner Moves On

After conducting a very successful workshop on idling reduction in October (among other accomplishments), Sue Leitner of the Tri-State Clean Fuels Network has taken a position with Cincinnati Bell with responsibilities in technology transfer. Her new e-mail address is sleitner@fuse.net.

Meetings of Possible Interest to Our Readership

The University of Washington Northwest Particulate Air Pollution Research Center Symposium will be held on January 24, 2005, in Seattle. This 1-day free symposium will present 6 years of particulate matter research on combustion-derived particles. For more information, please contact C. Collen Marquist at (206) 616-6570 or marquist@uwashington.edu. Source: West Coast Collaborative November-December 2004 newsletter

EPA Region10 is offering an Air Toxics Risk Assessment Course on January 25-27, 2005, in Seattle at 1200 Sixth Avenue. The course is designed to introduce students to the fundamentals of air toxics risk assessment interactively. The course includes background of risk-based assessment, management of air toxics, exposure and toxicity assessment, risk characterization and much more. To register, please contact Lisa McArthur at (206) 553-1814 or mcarthur.lisa@epa.gov. Source: West Coast Collaborative November-December 2004 newsletter

Summary of State Anti-Idling Regulations

Here is the current list of regulations in States and municipalities that cover anti-idling regulations (<http://www.epa.gov/otaq/smartway/documents/statelaws.pdf>).

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If your State or municipality has changed anything listed here, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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National Idling Reduction Network News Moves to New Website

Starting this month, past and the current issues of the *National Idling Reduction Network News* can be found at http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt_newsletters.shtml. Please change your bookmarks to this new site.

Volunteers Still Needed for National Idling Reduction Plan

The Technology Development Working Group is still undersubscribed with volunteers who have knowledge of the bus, rail, marine, and off-road industries. If you work on research and development in these sectors, Uncle Sam needs you! Please contact Lee Slezak (lee.slezak@ee.doe.gov or 202-586-2335) or Linda Gaines (lgaines@anl.gov or 630-252-4919) if you are interested in joining us in writing this plan. Your time commitment would be only a few hours over the next few months for conference calls.

No Follow-On Meeting to National Idling Reduction Planning Conference

Interest in idling reduction that was generated at the National Idling Reduction Planning Conference in Albany this past May is still going strong. Some of you have inquired about whether we will hold a follow-on meeting as we had originally planned at which we were going to "roll out" the National Idling Reduction Plan. The short answer is "No." Our plans have changed, and we have decided that it would be more effective to roll out the National Idling Reduction Plan at conferences sponsored by other organizations. Stay tuned, and we'll keep you informed about when and where we plan to roll out the National Idling Reduction Plan starting early next year.

Faster Freight/Cleaner Air Conference to be Held on December 8-9

The Oakland Marriott City Center & Convention Center in Oakland, California, will be the location of the Faster Freight/Cleaner Air Conference on December 8-9, 2004. The conference is billed as an expo on improving goods movement in Northern California. Speakers will present success stories and examples of the infrastructure improvement strategies, business practices, and clean transportation technologies that will be required by the goods movement industry to meet this increased demand, while at the same time improve efficiency and reduce the cumulative impacts upon our air quality. Registration ranges from \$25-\$150, depending on the affiliation of the registrant. Further information is available at http://www.ffca2004.com/index.php?option=com_frontpage&Itemid=37. Source: Brewster Boyd, Ross & Associates Environmental Consulting

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Central Texas Clean Cities Program Co-Sponsors Idling Reduction Conference on December 15

On December 15, 2004, Central Texas Clean Cities will co-sponsor an Idling Reduction and SmartWay Transportation Partnership Conference. Additional sponsors are the U.S. Environmental Protection Agency (EPA), the U.S. Department of Transportation, the Texas State Energy Conservation Office, the Texas Department of Transportation, and Austin Energy. It will be held at the Hilton Austin Airport Hotel. Registration is \$50 before December 10 and \$60 after that date. For further information, please contact Stacy Neef at Central Texas Clean Cities (stacy.neef@austinenergy.com or 512-482-5343).

Massachusetts School Bus Companies Fined for Excessive Idling

The Massachusetts Department of Environmental Protection has cracked down on enforcing the Commonwealth's idling reduction regulations that limit most idling to no more than 5 minutes. Eleven bus companies were cited after inspectors visited 34 schools in 20 communities in September and October. Almost 10 percent of the 411 buses that inspectors observed were in violation of this regulation, which allows only 3 exceptions. None of the exceptions applied in these cases. Further information can be found at <http://www.masslive.com/metrowest/republican/index.ssf?/base/news-6/1100956049299574.xml>. Source: Joe Tario, New York State Energy Research and Development Authority

EPA Issues \$109,120 Fine for Idling Trucks in Massachusetts

In August 2004, the EPA fined a North Andover, Massachusetts, furniture company \$109,120 for violating the Commonwealth's anti-idling regulation. The EPA charges that Material Installations, a distributor of pre-manufactured office furniture, repeatedly let its diesel-engine delivery trucks idle. Between August 2003 and March 2004, the trucks idled for close to 1,000 minutes, EPA said. On two occasions, trucks were left idling for more than an hour. EPA also issued a violation notice to the company for similar violations in June 2004. Massachusetts regulations, which prohibit the idling of any motor vehicle for more than 5 minutes, are part of its efforts to comply with Federal air quality standards. For more information, please see <http://boston.bizjournals.com/boston/stories/2004/08/23/daily28.html>. Source: Glen Marshall, Peterbilt Motors Co.

New Jersey Conducts Anti-Idling Campaign for School Buses

The New Jersey Department of Environmental Protection (NJDEP) has begun an anti-idling campaign for school buses throughout the State. Nearly 30 New Jersey school districts and bus contractors have already signed the "No Idling Pledge," in which they volunteer to implement best practices, such as turning off engines while loading or unloading students, using the newest buses for the longest routes, and completing bus driver training. School bus retrofits have begun in the City of Newark and are also planned for Vineland, New Jersey.

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NJDEP has also launched www.StopTheSoot.org, which describes current anti-idling efforts, such as enhanced enforcement of the State's 3-minute idling law, voluntary retrofits by state contractors, and installation of IdleAire technology at the Paulsboro truck stop. For more information, please contact Melinda Dower of the NJDEP Diesel Risk Reduction Team (melinda.dower@dep.state.nj.us or 609-292-1122).

EPA Region 10 Funding Opportunity Closes Soon

The Request for Initial Proposals for the EPA Region 10 Regional Geographic Initiative (RGI) will close on December 15, 2004. The RGI funds projects that fill critical gaps in the EPA's ability to protect human health and the environment. These projects should address places, sectors or innovative projects, and focus on strategic priorities. Projects should also demonstrate State, local and/or other stakeholder participation, and identify opportunities for leveraging other sources of funding. In Region 10, RGI funding supports projects in Alaska, Idaho, Oregon, and Washington. Region 10 RGI projects are generally funded in the \$10,000-\$50,000 range. No match is required unless required by a specific statute used to make the award. Matching funds, leveraging of funds, in-kind contributions, and other forms of leveraging strengthen proposals. Further information is available at <http://yosemite.epa.gov/r10/ecocomm.nsf/bd5af81c438305ea88256b58006146ea/5d102290a6655a5288256c87007ba933?OpenDocument#Eligibility>. Source: Brewster Boyd, Ross & Associates Environmental Consulting

New Anti-Idling Regulations Enacted in Pittsburgh Area

In August 2004, Allegheny County, Pennsylvania, enacted an anti-idling regulation that applies to all diesel-powered heavy vehicles and locomotives in Pittsburgh and environs. The first set of rules issued under this regulation applies to school buses and was effective on October 10. Idling of school buses is now limited to no more than 5 minutes, unless the operation of the school bus falls within 6 exemptions. Among these exemptions is allowing for heating and cooling the bus during cold and hot weather, respectively, for 20 out of every 60 minutes. Penalties range up to \$500 for the third and subsequent offenses. For further information, please contact Tom Lattner at tlattner@achd.net or see <http://www.achd.net/airqual/pubs/pdf/sbireg.pdf>. Source: Arleen Shulman, Pennsylvania Department of Environmental Protection

Summary of State Anti-Idling Regulations

Here is the current list of regulations in States and municipalities that cover anti-idling regulations (<http://www.epa.gov/otaq/smartway/documents/statelaws.pdf>). *However, it needs to be updated with the information in the above paragraph.*

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If your State or municipality has changed anything listed here, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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West Coast Diesel Emissions Reductions Collaborative Rolls Out Major Press Events

On September 30, 2004, the West Coast Diesel Emissions Reductions Collaborative partners held eight simultaneous press events in San Diego, Los Angeles, Bakersfield, Sacramento, San Francisco, Eugene, Portland and Seattle. Oregon Governor Ted Kulongoski, Washington State Governor Gary Locke, California Environmental Protection Secretary Terry Tamminen and U.S. Environmental Protection Agency (EPA) Administrator Mike Leavitt participated in the roll-out. The purpose of the events was to recognize the Collaborative partners for their efforts and announce new projects that fall under this umbrella. Among the projects funded under the Collaborative are the I-5 Corridor Idle Reduction Initiative (Los Angeles, Sacramento, Eugene, Portland, and Seattle), shore power for Princess Cruise Line ships in Seattle, locomotive idle reduction in Bakersfield, and cleaner fuels for ferries in San Francisco. Information on the events, meeting agendas and notes, and other information on the Collaborative can be found at <http://www.epa.gov/air/westcoastdiesel>. Source: Peter Murchie, EPA

Canada Urges Truckers to Go "Idle Free" at Truck Stops

The third annual Idle-Free Quiet Zone Campaign, taking place at 82 truck stops and other sites across Canada, is running now until December 10, 2004. The aim of the 10-week campaign, which was launched earlier this month in Brandon, Manitoba, is to educate the trucking industry about the harmful effects of unnecessary engine idling. Drivers are being asked to turn off their engines when parked in "quiet zones" and are receiving information on the effects of idling on noise levels, air pollution and fuel costs. <http://www.oeenrcan.gc.ca/fleetsmart> Source: Renée Nault, Argonne National Laboratory

California Expands Anti-Idling, Anti-Queuing Effort at Ports

On September 18, 2004, a proposal to expand the list of who can be fined for making truckers wait at port terminals in California became law. The bill, AB1971, modifies AB2650, which became law in September 2002. That law requires every marine terminal in California to operate in a way that keeps trucks from idling any more than 30 minutes while waiting to load or unload. The new bill expands those fines to include port operators. The law applies only to facilities at ports that handle 100,000 or more containers a year. With the old law, marine terminal operators who tried to divert trucks to freeways or staging areas away from the ports to avoid the fine faced an additional fine. That still applies, and the new law also prohibits the terminals from passing the cost of the fines on to truck owners and operators. Terminal operators could face a \$250 fine for every truck left idling more than 30 minutes; if the terminal diverts the idling trucks, that fine expands to \$750. The law also requires each of the state's air quality districts to determine the level of monitoring and enforcement necessary, based on truck idling problems within each district. Under the new law, fines expand to include terminals that make truckers "queue," or wait in line.

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It also expands the duties of air-quality districts to cover queuing trucks as well as idling ones.
http://www.leginfo.ca.gov/pub/bill/asm/ab_1951-2000/ab_1971_bill_20040918_chaptered.pdf
Source: Land Line Magazine

MorElectric Truck Begins Field Validation

Staff from Caterpillar Inc., Cat Electronics, and International Truck and Engine Corporation recently delivered the first of five "MorElectric™ Technology equipped" International 9200 chassis trucks with Cat C13 engines to Cox Transfer, Inc. for field validation. The trucks were developed as part of a joint project between the U.S. Department of Energy FreedomCAR and Vehicle Technologies Program, the National Renewable Energy Laboratory, International, and Caterpillar Inc., to demonstrate heavy-duty trucks that deliver energy savings by reducing idling during rest periods and increasing on-road efficiency. The delivery took place on September 30 at Cox Transfer's Eureka, Illinois, facility. Laboratory data show that a MorElectric equipped truck can achieve up to a 2-percent on-road fuel savings and 6-percent fuel savings from reduced idling during stops, for a total energy efficiency improvement of up to 8-percent.

http://www.eere.energy.gov/vehiclesandfuels/cfml/news_detail.cfm/news_id=8237

Source: Suzanne Williams, Argonne National Laboratory

Pennsylvania Department of Environmental Protection Awards \$120,356 to Reduce Idling

Four of 21 awards recently made under the Pennsylvania Small Business Advantage Grants program were for small business owners to buy auxiliary power units for their trucks. This program, which was launched in July 2004, provides a 50-percent matching grant of up to \$7,500 to encourage the implementation of equipment or processes to reduce energy consumption and pollution prevention while helping to increase profitability for small businesses. The program is open to small business owners whose business or facility is located in Pennsylvania. Eligible applicants must be for-profit business enterprises that are corporations, limited liability companies, partnerships, sole proprietorships or other legal entities that have no more than 100 employees and are a separate legal business entity at the time the application is submitted. Applications already are being accepted for awards to be made next year. The deadline to apply is June 30, 2005.

<http://www.dep.state.pa.us/newsreleases/default.asp?ID=3108&varQueryType=Detail> Source: Arleen Schulman, Pennsylvania Department of Environmental Protection

EPA SmartWay Program Awards \$1 Million in Grants for Idling Reduction

EPA Administrator Mike Leavitt recently announced the award of \$1 million in grants to nine States and non-profits to study the effectiveness of using technologies, such as truck stop electrification and shore power, to decrease engine idling. As part of EPA's SmartWay Transport Partnership Program, the grants will enable trucking companies to save money on fuel and reduce vehicle emissions. The nine grant recipients are the Arkansas Department of

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Environmental Quality; the South Coast Air Quality Management District, California; the Massachusetts Executive Office of Environmental Affairs; the Missouri Department of Natural Resources; the New York State Energy Research and Development Authority; the Centralina Council of Governments, North Carolina; Oregon State University; the Pennsylvania Department of Environmental Protection; and the Washington State Department of Ecology.

<http://yosemite.epa.gov/opa/admpress.nsf/b1ab9f485b098972852562e7004dc686/6e29771b4eac86c585256f2c006e8da7!OpenDocument> Source: Colleen Crowninshield, Pima (Arizona) Association of Governments

California's Carl Moyer Program Expanded and Increases Funding

On September 21, 2004, Governor Arnold Schwarzenegger signed AB 923, which expands the Carl Moyer incentive program to include agricultural sources of air pollution as well as cars and light-duty trucks. AB923 also expands the program to include hydrocarbon and particulate matter pollution. Finally, AB923 provides additional funding for the Moyer Program from an adjustment to the tire fee, and authorizes local air districts to increase motor vehicle registration fees by up to \$2 for programs to reduce air pollution. Combined with continuing funding that was provided in the fiscal year 2004-2005 budget (SB1107), up to \$140 million a year of incentive funding is available to help clean up California's air.

<http://www.arb.ca.gov/msprog/moyer/ab923/ab923.htm> Source: Dipankar Sarkar, South Coast Air Quality Management District

DOE Office of FreedomCAR and Vehicle Technologies Announces Idling Reduction Request for Proposals

As part of a larger request for proposals (RFP), the Office of FreedomCAR and Vehicle Technologies (OFCVT) is seeking cost-shared proposals for projects related to integrating on-board idle reduction technology into heavy trucks as factory-installed (preferably) or dealer-installed options. Responders to the RFP must include the participation of a Class 7-8 truck original equipment manufacturer and an idle reduction technology equipment manufacturer in their proposals. A total of approximately \$300,000 - \$350,000 will be made available for one to two cooperative agreements, which require a minimum cost share of 50 percent. The closing date is November 10, 2004. For further information, please contact Jodi Collins (jodi.collins@netl.doe.gov) at the DOE National Energy Technology Laboratory (304-285-1390). You can also go to <http://e-center.doe.gov>, and search for Opportunity No. DE-PS26-05NT42296-00.

Iowa State Conference Website Offers Comprehensive View of Idling Reduction

On June 22-23, 2004, Iowa State University's Center for Transportation Research and Education sponsored a very successful workshop on Alternatives to Truck Idling.

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The Workshop provided an opportunity for participants to connect regional issues to the strategies discussed at the National Idling Reduction Planning Conference held May 17-19, 2004, in Albany, New York. Presentations from that Workshop and other information are now available at http://www.ctre.iastate.edu/pubs/truck_idling/index.htm. Source: Randy Boeckenstedt, Iowa State University

Energy and Environmental Institute Recognizes Maine Department of Environmental Protection

The Environmental and Energy Study Institute, a non-profit organization established in 1984 by a bipartisan, bicameral group of members of Congress, recently recognized six state and local initiatives for leading the Nation in deploying cleaner bus fleets. The Maine Department of Environmental Protection was acknowledged for its leadership in developing a statewide clean school bus campaign that focuses on idling reduction. In the first year of the program, schools implementing idle-reduction policies reduced idling of over 10 minutes by more than 50 percent. <http://www.eesi.org/programs/cleanbus/leadership/index.htm>

Wal-Mart and Tyson Foods Join EPA SmartWay Partnership

On October 4, 2004, EPA Administrator Mike Leavitt announced that Wal-Mart, the world's top retailer, and Tyson Foods, one of the largest food producers in the nation, have joined the SmartWay Transport Partnership. The SmartWay Transport Partnership is a major voluntary program that is increasing the energy efficiency and energy security of our country, while significantly reducing air pollution and greenhouse gas emissions. There are currently 84 SmartWay Transport Partners, up from 52 Partners since the February 2004 Partnership was first announced.

<http://yosemite1.epa.gov/r6/press.nsf/346f458dede7637d8625693d004ec51d/2d37a94184d4089f86256f230060281d!OpenDocument>

Source: Environmental News Network

Texas Announces Changes and Deadlines for Motor Fuels Tax Refund Claims

This information recently came to our attention: Effective September 1, 2003, diesel fuel used for air-conditioning and heating systems will no longer be considered power take-off (PTO) systems and therefore will no longer be eligible for refunds of State taxes. Effective January 1, 2004, diesel fuel will no longer be eligible for refund when used in PTO or auxiliary power units supplied by the same fuel tank used to propel the vehicle. Effective January 1, 2004, there will be no tax-free purchases of undyed (clear) diesel fuel.

The only exceptions are purchases by the Federal Government, a Texas public school district, a company that provides transportation for a Texas public school district, and a non-profit electric or telephone cooperative organized under the Texas Utilities Code.

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Effective January 1, 2005, undyed diesel fuel used in off-highway equipment, stationary engines, and used for other non-highway purposes will no longer be eligible for refund. The only exceptions are purchases by the Federal Government, a Texas public school district, a company that provides transportation for a Texas public school district, and a non-profit electric or telephone cooperative organized under the Texas Utilities Code.

http://www.window.state.tx.us/taxinfo/taxpubs/tx98_685.html Source: Randy Boeckenstedt, Iowa State University

Summary of State Anti-Idling Regulations

Here is the current list of regulations in States and municipalities that cover anti-idling regulations (<http://www.epa.gov/otaq/smartway/documents/statelaws.pdf>). If your State or municipality has changed anything listed here, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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National Idling Reduction Plan Gets Moving

Starting next week, work will begin on drafting a national strategy that proposes solutions to the issues associated with the idling of all modes of heavy vehicles. The report will be developed in four parts -- technology, financial incentives, regulatory issues, and outreach -- by teams of Government and industry representatives. Plans call for it to be finished by mid-January. If you would like to contribute to this effort, please contact Terry Levinson at (202) 488-2472 or tlevinson@anl.gov.

DOE Office of FreedomCAR and Vehicle Technologies Announces Idling Reduction Request for Proposals

As part of a larger request for proposals (RFP), the Office of FreedomCAR and Vehicle Technologies (OFCVT) is seeking cost-shared proposals for projects related to integrating on-board idle reduction technology into heavy trucks as factory-installed (preferably) or dealer-installed options. Responders to the RFP must include the participation of a Class 7-8 truck original equipment manufacturer and an idle reduction technology equipment manufacturer in their proposals. A total of approximately \$300,000 - \$350,000 will be made available for one to two cooperative agreements, which require a minimum cost share of 50 percent. The closing date is November 10, 2004. For further information, please contact Jodi Collins (jodi.collins@netl.doe.gov) at the DOE National Energy Technology Laboratory (304-285-1390). You can also go to <http://e-center.doe.gov>, and search for Opportunity No. DE-PS26-05NT42296-00.

New Closing Date for EPA Federal Register Notice

On Thursday, July 8, 2004, the U.S. Environmental Protection Agency (EPA) released a Notice of Data Availability for Truck Stop Electrification Codes and Electrical Standards starting on page 41254 of the *Federal Register*. You can access it by clicking on <http://a257.g.akamaitech.net/7/257/2422/06jun20041800/edocket.access.gpo.gov/2004/pdf/04-15534.pdf>. The comment period has been extended from August 9, 2004, to October 9, 2004. Comments must now be submitted on or before October 9, 2004, for docket number OAR-2003-0226. Further information about how to submit a comment can be found on page 41255. *Source:* Paul Bubbosh (bubbosh.paul@epa.gov)

EPA SmartWay Program Awards \$100,000 Grant to Arkansas to Reduce Truck Idling

On September 13, 2004, EPA Administrator Mike Leavitt announced the award of a \$100,000 grant to the Arkansas Department of Environmental Quality (DEQ) to reduce truck idling. This is part of the SmartWay Transport Partnership, a key strategy of which is to reduce idling of long-haul trucks along national transportation corridors. The Arkansas DEQ will evaluate the potential emissions reductions resulting from truck stop electrification. This study will serve as an important tool for Arkansas to achieve air quality improvements geared toward reaching air quality attainment goals. For more information, see http://www.epa.gov/region6/6xa/clean_air_smartway.htm

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EPA Awards Grant to Examine Effect of Air Pollutants on Truck Drivers

EPA has recently awarded \$50,000 toward a study of the effect of truck drivers' exposure to air pollutants while idling. The Department of Energy's Oak Ridge National Laboratory (ORNL) and the University of Tennessee (UT) will conduct the study. For more information, please contact W. Keith Kahl (kahlwk@ornl.gov) of ORNL at (865) 946-1236 or Dr. Wayne T. Davis (wtdavis@utk.edu) of UT at (865) 974-5321.

New Jersey Steps Up Enforcement of Anti-Idling Regulations

The staff of the New Jersey Department of Environmental Protection has increased statewide enforcement of anti-idling regulations. Both drivers of diesel-powered vehicles and owners of the store or facility where the idling takes place are subject to fines of up to \$3,000 for incidents of idling lasting more than 3 minutes. The article referenced below talks about specific incidents in Burlington County, New Jersey, a suburb of Philadelphia. (Source: <http://www.phillyburbs.com/pb-dyn/news/112-08302004-357570.html>)

Port of Los Angeles Approves Funding for Air-Quality Measurements

The Los Angeles Board of Harbor Commissioners recently voted unanimously to continue to implement key elements of the Port's Air Studies Program. The Board's approval provides approximately \$766,000 in Port funding for a yearlong air quality-monitoring program that will collect and analyze emissions from ships and dockside operations at the Port of Los Angeles. Slated to begin this November, the program will be one of the most intensive area-wide ambient air studies nationwide and is unprecedented in terms of air quality studies conducted at any port in North America. (Source: http://www.portoflosangeles.org/press/portoflapress31023488_09222004.pdf)

Alternative Marine Power Takes Off at Port of Los Angeles

Alternative Maritime Power (AMP) began a few months ago at a berth at the Port of Los Angeles. The result of this groundbreaking effort will be reduced emissions at the Port. Instead of burning diesel fuel while at dock, AMP ships "plug in" to shore side electrical power – literally an alternative power source for maritime vessels. While a form of AMP, in the industry often referred to as called "cold ironing," has been used for naval vessels, Baltic ferries, and some Alaskan cruise ships, the Port of Los Angeles is the first Port in the world to use AMP technology for in-service container ships. (Source: <http://www.portoflosangeles.org/Environmental/AMP.htm>)

Maritime Industry Works Together to Extend Hours of Operations at Ports of Los Angeles and Long Beach

Last month, the Waterfront Coalition, along with the Ports of Los Angeles and Long Beach and the Pacific Merchant Shipping Association, sponsored a workshop designed to give all entities responsible for moving international waterborne cargo through southern California a sound

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understanding of how to incorporate off-hour truck gates into their business practices and the urgency of doing so. More than 250 individuals registered for this event. A summary of the event is on the website of the Pacific Merchant Shipping Association (<http://www.pmsaship.com/news.html>)

IdleAire and TravelCenters of America Sign Agreement for Advanced Truck Stop Electrification at More than 100 Truck Stops

IdleAire will begin installing its advanced truck stop electrification equipment at 126 truck stops owned and managed by TravelCenters of America (TA) and at 24 TA-franchised truck stops over the next 3 years, with a price tag of more than \$1 million per truck stop. The two companies will share the revenues generated by truckers who use the equipment. Source: Transport Topics, September 6, 2004

(<http://www.ttnews.com/members/topNews/0011878.html>);
(<http://www.idleaire.com/newsroom/releases/08-27-2004>);
(http://www.tatravelcenters.com/ta/display_page.phtml?page_id=705#12).

EPRI Infrastructure Working Council Considers Standards for Truck Stop Electrification

The Electric Power Research Institute (EPRI) has brought stakeholders together for a National Electric Transportation Infrastructure Working Group to study the issues associated with standards for truck stop electrification and the impact of truck stop electrification on the electrical infrastructure. From EPRI's perspective, they need to know what connectors are being used, how the existing infrastructure is being used, and whether there is one technology more widely used than another. To further this discussion, there will be meeting on October 5, 2005, in San Francisco. For more information, please contact Mr. Jorge Emmanuel (jemmanuel@mindspring.com) at (510) 799-2551.

Idling Reduction General News

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Upcoming Meetings and Events

On Monday, October 18, 2004, the Tri-State Clean Fuels Network will hold an Idle Reduction Conference in Lebanon, Ohio. The purpose of this conference is to facilitate relationships among stakeholders with an interest in developing idle reduction solutions. The conference will focus on idle reduction for long-haul trucks and locomotives, with a special emphasis on the cost-effectiveness of these technologies. Representatives from various cost-sharing programs from EPA and DOE will be present. For more information, contact Sue Leitner at (513) 946-7772 or sue.leitner@hamilton-co.org.

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Summary of State Anti-Idling Regulations

Here is the current list of regulations in States and municipalities that cover anti-idling regulations (<http://www.epa.gov/otag/smartway/documents/statelaws.pdf>). If your State or municipality has changed anything listed here, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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Idling Reduction Regulatory News

California has recently joined the list of states that have proposed anti-idling regulations. On July 22, 2004, the California Air Resources Board approved a measure that limits idling of most diesel-fueled commercial motor vehicles to 5 minutes. It will become effective once it is approved by the California Office of Administrative Law, a process that could take about 6 months. <http://www.arb.ca.gov/newsrel/nr072204.htm>. More specific information about exceptions to this measure can be found in Land Line magazine (<http://www.landlinemag.com/todaysnews/Daily/2004/July04/072304.htm#2>).

West Coast Diesel Emissions Reductions Collaborative

The U.S. Environmental Protection Agency (EPA), U.S. Department of Agriculture Natural Resource Conservation Service, U.S. Department of Energy (DOE), U.S. Department of Transportation, Canada and Mexico, as well as State, local, non-profit and private sector partners from Alaska, California, Oregon, and Washington are actively seeking reductions in diesel emissions along the West Coast through a variety of solutions, including idle reduction. The Collaborative is particularly interested in idle reductions from locomotives, agricultural and construction equipment, trucks, and marine vessels. For further information about how to participate in meetings and conference calls in these areas, please contact Michelle Roos at (415) 947-4187, roos.michelle@epa.gov, or Peter Murchie at (503) 326-6554, murchie.peter@epa.gov.

Idling Reduction Grants

Under the auspices of the DOE State Energy Program Special Projects solicitation, three awards have been announced that promote the reduction and/or elimination of idling by heavy-duty vehicles. The New York State-Genesee Region Clean Communities has received \$100,000 for shore power pedestals at a truck stop; the coalition is providing \$143,150 in cost-shared funds. Further information is available from Joseph Tario at the New York State Energy Research and Development Authority (jdt@nyserda.com or 518-862-1090, ext. 3215). The Land of Enchantment Clean Cities Coalition has received \$100,000 for installing Pony Pack idle reduction equipment on a small number of fleet-owned trucks and comparing the fuel savings, percentage of idling time, and oil change intervals in a like number of fleet-owned trucks; the partnership has provided \$100,000 in cost-shared funds. Further information is available from Rex Greer at Pony Pack (rex@ponypack.com or 505-243-1381). The Greater Sacramento Clean Air Coalition has received \$80,000 for truck idling using shore power. The project will introduce inverter-powered appliances to truckers, survey their attitudes towards shore power, and will also survey truck stop owners to discuss their business needs in relation to shore power use. A web site will be developed to allow posting the project information and linking to other idle reduction activities and information sources. Coalition and industry partners are providing over \$140,000 in matching funds to accomplish the project.

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Further information is available from Bill Warf at the Sacramento Municipal Utility District (bwarf@smud.org or 916-732-6976).

Portland Truck Idle Reduction Initiative Workshop

The Oregon Department of Energy and the Port of Portland held a Truck Idle Reduction Initiative Workshop in Portland on July 15, 2004, in conjunction with the 2004 Annual General Membership Meeting of the Columbia-Wilmette Clean Cities Coalition. The presentations are available at <http://www.cwcleancities.org>, under "Events." In addition to information about local and regional programs, the meeting featured a background talk about petroleum prices and supply, basic information about idling reduction, and many short presentations by equipment manufacturers. More information can be obtained from Larry Medearis at (503) 460-4080 or medeal@portptld.com.

EPA Air Innovations Conference

The EPA Air Innovations Conference was held in Chicago on August 10-12, 2004. It featured presentations about idling reduction as one element of the large variety of local programs to improve air quality. Over 200 people from all over the country participated. The meeting featured a breakout session to identify barriers to innovation. Attendees each received a CD of many of the presentations. These are available on the web at <http://www.cleanairinfo.com/airinnovations/>, along with the agenda, breakout summary, links to guidance documents, and other useful resources.

Watt Road Environmental Laboratory Initiative

The DOE Oak Ridge National Laboratory (ORNL) in Oak Ridge, Tennessee, is measuring real world, in-use emissions from heavy trucks at a field laboratory on the heavily traveled I-40/I-75 corridor in Knox County, Tennessee. At the Watt Road/I-40 interchange, there are three truck stops accommodating over 700 tractor-trailer parking spaces, including one where there is a large IdleAire installation. In terms of traffic volume and ambient air quality, this interchange represents a microcosm of the heavy truck world that is perhaps unique in the United States. Approximately 25,000-27,000 heavy trucks travel through this corridor every day, and many of these vehicles spend the night idling in an area where the atmospheric conditions and terrain aggravate air-quality problems. ORNL is working with several partners to deploy remote emissions measurement tools and develop models to study the interaction between improved emission control technologies (including idle reduction), real-world emissions, and well-characterized airshed and watershed conditions. For further information, contact W. Keith Kahl at (865) 946-1236 or kahlwk@ornl.gov.

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Idling Reduction Regulatory News

On Thursday, July 8, 2004, the U.S. Environmental Protection Agency (EPA) released a Notice of Data Availability for Truck Stop Electrification Codes and Electrical Standards starting on page 41254 of the *Federal Register*. You can access it by clicking on <http://a257.g.akamaitech.net/7/257/2422/06jun20041800/edocket.access.gpo.gov/2004/pdf/04-15534.pdf>. Comments must be submitted on or before August 9, 2004, for docket number OAR-2003-0226. Further information about how to submit a comment can be found on page 41255. *Source:* Paul Bubbosh, EPA

Idling Reduction Grants

On Thursday, July 1, 2004, the Commonwealth of Pennsylvania announced a new grant program for Pennsylvania small businesses. The Pennsylvania Small Business Advantage Grants go up to \$7,500, with 50-50 cost share. Grant funds can be used for adopting or acquiring energy-efficient or pollution prevention equipment or processes, including idling reduction devices. Projects for vehicles that spend a substantial portion of time in Pennsylvania will be viewed more favorably. For further information, contact David Barnes at (717) 772-5160 at the Pennsylvania Department of Environmental Protection. The most accurate and up-to-date information can be found at <http://www.dep.state.pa.us/dep/deputate/pollprev/Ombudsman/Advantage/ADVANTAGE.htm>. *Source:* Arleen Shulman, Pennsylvania Department of Environmental Protection.

Idling Reduction General News

On Wednesday, June 30, 2004, Oregon Governor Ted Kulongoski applauded Burlington Northern and Santa Fe Railway for agreeing to install idle reduction technologies on locomotive switch engines based in their Portland facility. Further information is available at http://governor.oregon.gov/Gov/press_063004.shtml. *Source:* Joe Tario, New York State Energy Research and Development Authority

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On Wednesday, July 21 from 1:00 to 2:30 the Federal Highway Administration (FHWA) will sponsor a "Talking Freight Seminar" on idle-reduction technology and initiatives. These monthly FHWA-sponsored net-conference seminars provide a convenient and no-cost way for transportation practitioners to broaden their freight knowledge base and develop new skills to help them do their jobs better. A one-time, easily downloadable plug-in is required for first-time users, and is available at time of registration. Please go to the following web site to find out more about the "Talking Freight Seminars" and to sign up for the idle-reduction session: <http://www.fhwa.dot.gov/freightplanning/talking.htm>. Source: Diane Turchetta, FHWA

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