

National Idling Reduction Network News

August 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)	~\$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.energymaine.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/sbomba_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://jppgroup-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/reetrofit-events

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
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/

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/aq/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*	<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 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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