

National Idling Reduction Network News

February 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/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.	turnyourengineoff.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
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), 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. 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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Editor

Terry Levinson, Energetics, Inc., (202) 595-4641, tlevinson@energetics.com

Writer

Patricia Weikersheimer, Argonne National Laboratory, (630) 252-3124, idlingreduction@anl.gov

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