

National Idling Reduction Network News

December 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.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.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

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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=dBn9NKvTwthSvkQ5zQSnnBL6fGpnOGq6nR6dJ4yYglHmQSlxJqp1!-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 Pethel, 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.portmetrovancouver.com/en/about/news/10-11-01/Un_prix_en_environment_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.

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.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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