

National Idling Reduction Network News

January 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.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.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
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/CitysVehicleIdlingManagementPolicy05202010.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-](http://www.canlii.org/en/ns/laws/stat/sns-2010-c-32/latest/sns-2010-c-32.html)

[32/latest/sns-2010-c-32.html](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_GHG_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-pollutio/>.

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.

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>.

The FTA recently awarded the Illinois Department of Transportation a Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER II)

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;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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