

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/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.energymaine.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/

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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.diesetrofitrebate.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_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.

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?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.

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.

Editor

Terry Levinson, Argonne National Laboratory, (202) 488-2472, tlevinson@anl.gov

Writer

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

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