

National Idling Reduction Network News

January 2010

SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Air Resources Board (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
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)	Rolling deadline until the funds are awarded or September 30, 2010.	http://www.ncair.org/motor/Rebates/
North Central Texas Council of Governments	Heavy-Duty Vehicle and Equipment Grant Program	\$2.03 million (as of January 25)	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/
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

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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
U.S. Department of Transportation (DOT), Federal Transit Administration	FTA Bus and Bus Facilities Livability Initiative	\$150 million	February 8, 2010	http://www.fta.dot.gov/funding/grants_financing_7829.html
U.S. Environmental Protection Agency (EPA) Region 2	Environmental Quality Award	N/A	February 22, 2010	http://www.epa.gov/region2/eqa
EPA	Community Action for a Renewed Environment (CARE) Program	\$2 million	March 9, 2010	http://www.epa.gov/care/
The North Carolina Solar Center at NC State University	Clean Fuel Advanced Technology (CFAT) Project	\$700,000	March 15, 2010	http://www.engr.ncsu.edu/ncsc/transportation/funding.htm#CFAT
New York State Energy Research and Development Authority (NYSERDA)	Project Implementation Funding for State Energy Program American Recovery and Reinvestment Act (ARRA) Request for Proposals (RFP) 1613	\$74 million	March 22, 2010	http://www.nyserda.org/funding/1613rfp.asp
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

ATRI Updates List of Idling Regulations

The American Transportation Research Institute (ATRI) has updated its list of State and local idling regulations. The updated listing is provided as both a cab card, which can be downloaded and carried in the glove box of a truck, and an online compendium, which provides links to individual regulations.

Recent updates include the enactment of new limits in Chicago, Illinois, and the Ohio cities of Cleveland and Maple Heights. Changes to idling regulations in Illinois, New Jersey, and South Euclid, Ohio, are also noted. Please see www.atri-online.org for particulars on the update.

Vermont and Wisconsin Consider Idling Reduction Laws

As part of Wisconsin Governor Jim Doyle's Clean Energy Jobs Act, legislation that would restrict truck idling in the State was introduced January 7, 2010. Assembly Bill 649 and Senate Bill 450, now in committee, would prohibit freight truck drivers from idling their primary engine, on- or off-highway, for more than 5 minutes in any 60-minute period. There are a number of exceptions, including outdoor temperature.

According to *Land Line*, first-time violators could receive \$40 tickets, and repeat offenses within 1 year could result in fines of between \$100 and \$500. Subsequent offenses within 1 year could lead to fines of between \$500 and \$1,000. For more information, please visit http://www.landlinemag.com/todays_news/Daily/2010/Jan10/011810/012010-03.htm. An overview of the legislation is available at <http://legis.state.wi.us/lc/publications/climate/>.

In Vermont, where Burlington recently tightened its idling law from a maximum of 5 to 3 minutes, year round, the House Natural Resources and Energy Committee unanimously passed House Bill 97. Introduced in the 2009 legislative session, H.97 would restrict the idling of trucks weighing more than 10,000 pounds to 5 minutes or less in any 60-minute period. There would be some exemptions, such as for public safety vehicles. If the bill becomes law, Vermont would no longer be the only New England State to lack such an idling ban. For more information, please go to <http://www.burlingtonfreepress.com/article/20100121/NEWS02/1210314/Vermont-lawmakers-consider-crackdown-on-truck-idling>. To track the status of this bill, please click on <http://www.leg.state.vt.us/database/status/summary.cfm?Bill=H.0097&Session=2010>.

Idling "Sleeper Exemption" Expires Soon for Some States

In New Jersey, the "sleeper exemption" ends this spring. Beginning May 1, 2010, truckers who do not have a 2007 or newer engine, or a functioning diesel particulate filter, will no longer be able to idle during rest and sleep periods. According to ATRI, similar exemptions will soon expire for

Philadelphia (May 1, 2010) and Rhode Island (July 1, 2010). More information about the expiration of New Jersey's exemption is available at http://www.landlinemag.com/todays_news/Daily/2010/Jan10/011110/011510-03.htm and http://www.state.nj.us/dep/aqm/Sub14_Rule.pdf.

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AWARDS AND RECOGNITION

The following table lists EPA and Department of Energy (DOE) American Recovery and Reinvestment Act (ARRA) funds awarded for which idling reduction components have been explicitly described. For a complete list of EPA's National Clean Diesel Program awards made through the Recovery

Act, please go to <http://www.epa.gov/otaq/diesel/projnational-aara.htm>. If you have idling reduction funding award news, please send it to idlingreduction@anl.gov.

ORGANIZATION	PURPOSE OF GRANT	TOTAL FUNDING
Cummins Inc.	Development and demonstration of a highly efficient and clean diesel engine, an advanced waste heat recovery system, an aerodynamic Peterbilt tractor and trailer combination, and a fuel cell auxiliary power unit (APU) to reduce engine idling	\$38,831,115
Navistar, Inc.	Development and demonstration of technologies to improve truck and trailer aerodynamics, combustion efficiency, waste heat recovery, hybridization, idle reduction, and reduced rolling resistance tires	\$37,328,933
NC Solar Center at North Carolina State University and Wake Technical Community College	Presentation of 48 workshops across the country to raise awareness about alternative fuels and clean transportation technologies, including idle reduction	\$301,852
TMC Transportation, Des Moines, Iowa	Installation of APUs on 100 flatbed trucks	\$680,500

UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month.]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB: 512 Diesel Vehicle Regulation Overview	Multiple	Multiple	http://www.arb.ca.gov/training/courses.php?course=512
Proposed Revisions to National Standards for Ground-Level Ozone — Public hearings	Arlington, Virginia, Houston, Texas, and Sacramento, California	February 2, 2010 (Arlington and Houston), and February 4, 2010 (Sacramento)	http://www.epa.gov/air/ozonepollution/actions.html#jan10s

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
EPA — CARE Request for Proposals (Q&A Webcast)	Webcast	February 2, 23, and 26, 2010	http://www.epa.gov/care/ (Registration information will be available on http://www.cluin.org/live/#upcoming this site in January and February)
CARB Workshop — Concepts for Reducing Greenhouse Gases from Medium- and Heavy-Duty Vehicles Through Truck Hybridization	Sacramento, California (Webcast also)	February 3, 2010	http://www.arb.ca.gov/msprog/mailouts/msc1001/msc1001.pdf
Climate Change and Ships: Increasing Energy Efficiency Symposium	Linthicum, Maryland	February 16 and 17, 2010	http://www.sname.org/SNAME/climatechange/Home/Default.aspx
Fuel: Idle Reduction and Economy (FIRE) Workshop	Tulsa, Oklahoma (webinar option also available)	February 24, 2010	cleantransportation@ncsu.edu or (919) 513-0852
Green Truck Summit	St. Louis, Missouri	March 9–12, 2010	http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	http://www.afv2010.com/
The Government Fleet Expo & Conference (GFX)	Austin, Texas	June 21–23, 2010	http://www.governmentfleetexpo.com/

MANUFACTURERS' NEWS

Mentor Fleet Monitor Tracks Unnecessary Idling

Mentor Fleet, based in Alberta, Canada, now offers a system to track unnecessary idling and excessive speed in fleets. With the Mentor Fleet Monitor, a mobile computing device collects information — including idling time, number of idling events, the locations of idling events, and the amount of fuel used — and relays it to a server hosted by Mentor. If an

idling or excessive-speed event occurs, data from the in-vehicle device is sent to Mentor, where reports are created for the client. Reports can include the costs of idling events. Clients can customize reports for each vehicle in its fleet. For more information, please go to http://www.mentoreng.com/products/fleet_monitoring/index.html.

PARKING SPACES FOR TRUCKS

IdleAire Shuts Down

Unable to find a buyer for its assets, IdleAire, Inc., provider of truck stop electrification, announced January 28 that it was ceasing operations. In May 2008, the company, headquartered in Knoxville, Tennessee, declared bankruptcy and was subsequently purchased by a group of investment management companies. IdleAire operated more than 100 locations, and

thousands of parking spaces, in 34 states. According to the *Knoxville News Sentinel*, 315 employees will be laid off. More information may be found at http://www.landlinemag.com/todays_news/Daily/2010/Jan10/012510/012810-01.htm, <http://www.knoxnews.com/news/2010/jan/28/idleaire-shutting-its-doors/> and <http://www.idleaire.com>.

Virginia Rest Areas to Reopen

Recently inaugurated Virginia Governor Bob McDonnell announced that all 19 rest area and welcome center operations shuttered last summer will reopen between mid-February and mid-April of this year. The Virginia Department of Transportation (VDOT) will use \$3 million from its maintenance reserve fund to operate the facilities through the remainder of this fiscal year, which ends June 30. As it revises its maintenance budget this spring, VDOT will identify long-term funding for the rest areas. The

administration will work with business leaders around the State to develop an “Adopt a Rest Stop” program to permit private-sector contributions to defray operation costs. More information is available at <http://www.governor.virginia.gov/news/viewRelease.cfm?id=23>, and a map of the reopened facilities is available at http://www.virginiadot.org/news/resources/Statewide/reopen_Map_011510.pdf.

PORTS

Cold Ironing at Port of Oakland

California’s Bay Area Air Quality Management District (BAAQMD) and global container-transportation company APL announced last month an \$11 million project to reduce vessel emissions at the Port of Oakland. With the aid of \$4.8 million in air quality grants, APL will retrofit its terminal and vessels for “cold-ironing” (the use of shoreside electrical power). Regulations mandating cold ironing in California take effect in 2014.

According to the BAAQMD, APL will be the first carrier or terminal operator at the port to provide shoreside power for vessels. For more information, please go to <http://www.baaqmd.gov/> or <http://www.baaqmd.gov/~media/Files/Communications%20and%20Outreach/Publications/News%20Releases/2009/121809%20Clean%20Air%20Grant.ashx>.

OTHER NEWS OF INTEREST

Public Fleets Test Idle Reduction Equipment

The Portland, Maine, Police Department is testing the IDLERIGHT Fuel Management System, a system that enables a vehicle's battery to power warning lights, computer, and video without the need to run the vehicle's engine continuously. The system monitors the car's battery strength and automatically starts the engine to recharge the battery when it runs low. When the battery is recharged, the system shuts the engine off. According to the manufacturer's website, because the system does not require that a key be in the ignition, risk of theft is reduced. Please see <http://www.policeone.com/police-products/vehicles/articles/1972836-Maine-city-testing-way-to-cut-police-cruisers-gas-use/> and <http://www.havis.com/idleright.htm> for more information.

The Dallas, Texas, Police Department's use of idling reduction equipment, covered in the September 2009 issue of this newsletter, was highlighted in television news magazine, *MotorWeek*. *MotorWeek* teamed up with Clean Cities to create biweekly segments showcasing Clean Cities coalition efforts to expand the use of alternative fuels and advanced vehicles and technologies. To see the segment about the Dallas Police Department's use of Energy Xtreme's Independence Package, which originally aired November 27, 2009, please visit http://www.afdc.energy.gov/afdc/mw_dallas_police.html.

MOVES2010: EPA's New Motor Vehicle Emissions Simulator

In December, EPA released the final version of its Motor Vehicle Emissions Simulator Model, MOVES2010. As EPA's latest mobile source emission model, MOVES2010 replaces EPA's previous mobile source emission model, MOBILE6.2.

EPA will be publishing a notice of availability in the *Federal Register* to approve MOVES2010 for meeting official State Implementation Plan (SIP) and transportation conformity requirements. Upon publication of the *Federal Register* notice, MOVES2010 will become EPA's approved motor vehicle emission factor model for estimating volatile organic compounds,

nitrogen oxides, carbon monoxide, direct particulate matter, and other pollutants and precursors from cars, trucks, motorcycles, and buses by State and local agencies outside California. EPA intends to include in the notice a 2-year grace period for the use of MOVES2010 for transportation conformity purposes.

To learn more about the new model and to access supporting documentation and guidance documents, please click on <http://www.epa.gov/otaq/models/moves/index.htm>.

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.

State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
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 pending.

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. Included also is a site from Canada that quantifies the costs of workplace

idling. The calculators are provided as tools of possible benefit; their accuracy has not been verified. Any new entry this month is shown in orange.

- 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>)



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- 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)

If you are aware of other sources of possible interest to newsletter readers, please let us know.

Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation, 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 35 States. CabAire, Shorepower Technologies, and EnviroDock installations are listed in this locator (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 stations, and other related data. The maps enable visualization of the location of projects for 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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