

National Idling Reduction Network News

February 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/hdloanprogram.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_sbllip.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/
North Central Texas Council of Governments (NCTCOG)	Heavy-Duty Vehicle and Equipment Grant Program	\$1.77 million (as of February 5, 2010)	Rolling deadline until funds are awarded.	http://www.nctcog.org/trans/air/programs/terp/hdvegp/idle.asp

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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
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
Environmental Protection Agency (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
Wisconsin Department of Natural Resources	2010 Diesel Emissions Reduction Act (DERA) Wisconsin Clean Diesel Grant Program	~ \$380,000	Must be postmarked by March 22, 2010	http://dnr.wi.gov/air/mobile/CleanDieselGP.htm
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.nyserd.org/funding/1613rfp.asp
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
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on June 2 and November 3, 2010	http://www.nyserd.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

West Virginia: Bill Seeks Idling Restrictions with a Provision for Weight Exemption

Introduced January 13, 2010, West Virginia's Senate Bill (SB) 183 would prohibit 10,000+-pound diesel-powered vehicles from idling for more than 5 minutes in any 60-minute period. A number of exemptions are defined, including when the outdoor temperature is less than 40°F or higher than 75°F, but this exemption would expire May 1, 2011. Noncompliance would result in a misdemeanor with a fine between \$150 and \$300, plus court costs. The bill includes a provision for the 400-pound weight exemption as

described in Title 23, §127(a)(12), of the U.S. Code. SB183 moved to committee on February 2, 2010. For more information, please see http://www.landlinemag.com/todays_news/Daily/2010/Jan10/012510/012710-01.htm, and for the full text of the bill, click on http://www.legis.state.wv.us/Bill_Text_HTML/2010_SESSIONS/RS/Bills/SB183%20intr.htm.

If at First You Don't Succeed . . . Indiana and Alabama Try Again

Two States, Indiana and Alabama, that have failed in previous years to pass the 400-pound weight exemption for trucks equipped with idling reduction equipment are trying again. In Indiana, House Bill (HB) 1084 was passed by the House on February 9 and has moved to the Senate, where it awaits consideration by committee. In January, the Alabama House approved HB127, which awaits committee action in the Senate. For more information

on the bills, please see <http://www.in.gov/apps/lisa/session/billwatch/billinfo?year=2010&session=1&request=getBill&docno=1084> and <http://alisondb.legislature.state.al.us/acas/ViewBillsStatusACASLogin.asp?BillNumber=HB127>.

California Increases Penalty for Idling School Buses

In a California law effective January 1, 2010, school and student activity bus drivers idling within 100 feet of any school are subject to a new, stricter penalty. The change to Part 2 of Division 26 of the Health and Safety Code raises the minimum fine from \$100 to \$300. Additional civic penalties are also authorized. SB124, signed by Governor Schwarzenegger last fall, reinforces a CARB regulation that requires bus drivers to turn off their idling engines after reaching their destination within 100 feet of a school and to

restart the engine no more than 30 seconds before departing. Exemptions include idling in traffic, idling to ensure safe operating conditions of the bus, operating equipment needed by persons with disabilities, and climate control for children. The link http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0101-0150/sb_124_bill_20091011_chaptered.html provides more information.

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AWARDS AND RECOGNITION

The following table lists EPA and Department of Transportation (DOT) 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/otag/diesel/projnational-aara.htm>. If you have idling reduction funding award news, please send it to idlingreduction@anl.gov.

ORGANIZATION	PURPOSE OF GRANT	FUNDING
New Orleans Public Belt Railroad	The retrofit of seven locomotives with start/stop devices	\$149,733
California DOT	Grade separation at the Alameda Corridor East Colton Crossing (of the Union Pacific Railroad and the BNSF Railway in San Bernardino County), one benefit of which will be the reduced congestion and idling of trains and road vehicles	\$33.8 million
San Diego Association of Governments (SANDAG)	Completion of a direct six-lane highway link to the Otay Mesa Port of Entry (the largest freight border crossing between California and Mexico), which will reduce congestion and truck idling	\$20.2 million

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
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
CARB Public Meeting of the Incentive Programs Advisory Group	El Monte, California	March 10, 2010	http://www.arb.ca.gov/msprog/mailouts/msc1007/msc1007.pdf
Public Meeting to Consider Near-Term Revisions to the Lower-Emission School Bus Program Guidelines and the Carl Moyer Incentive Program Guidelines	Sacramento, California	March 25, 2010	http://www.arb.ca.gov/msprog/moyer/moyer.htm

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
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/
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

MANUFACTURERS' NEWS

Espar's E-Guardian Heaters Receive EPA Validation

Early this month, Espar Heater Systems received notice of EPA validation of its E-Guardian heaters. The heaters, which are specifically designed for idle reduction in school buses, are the E-Guardian 5 (Hydronic D5), E-Guardian 8 (Hydronic D8), E-Guardian 10 (Hydronic D10), E-Guardian 12 (Hydronic D12), Airtronic D2, Airtronic D4, and Airtronic D5. For more information, please

see <http://www.espar.com/html/esparwebbus/schoolbus.html>. All EPA verified technologies may be found at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

PARKING SPACES FOR TRUCKS

South Carolina Shuttles Four Rest Areas

In a move to reduce costs, South Carolina's DOT closed four rest areas in January. The closed facilities are as follows: I-95, Florence County, mile marker 171, two rest areas, one serving northbound motorists and the other southbound motorists; I-85, Cherokee County, facility at mile marker

89; and I-26, Berkeley County, facility at mile marker 202. For more information, please see http://www.landlinemag.com/todays_news/Daily/2010/Jan10/012510/012710-02.htm and http://www.scdot.org/ArtMan/publish/article_954.shtml.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Association of Central Oklahoma Governments	School Bus Idling Reduction: Project Report and Implementation Guide for Oklahoma School Districts	http://www.acogok.org/
Truckinginfo.com	Idle Reduction: What's Right for Your Fleet?	http://www.truckinginfo.com/clean-green/news-detail.asp?news_id=68443&news_category_id=62
American Council for an Energy-Efficient Economy	Energy Efficiency Program Options for Local Governments under the American Recovery and Reinvestment Act of 2009	http://www.aceee.org/pubs/e09x.htm (to view abstract)

PORTS

Reservations for Trucks at Port

Marine Atlantic, which provides ferry transportation between Nova Scotia and Newfoundland, is seeking to improve the predictability of travel and delivery times and to reduce congestion by requiring reservations from trucks. Beginning March 15, all commercial vehicles intending to travel will need a reservation. According to a company press release dated February 12, 2010, Wayne Follett, President and CEO, said, "All of our customers will now arrive at a port for check-in with a reserved sailing date and time. This

new approach will replace the previous system whereby drivers rushed to the ports to be placed in a line-up for transportation that was based upon first come-first served." Please see <http://www.marine-atlantic.ca/en/commres/index.shtml> and <http://www.todaystrucking.com/news.cfm?intDocID=23353> for more information.

OTHER NEWS OF INTEREST

Idle Reduction Technology Falls Short in Toronto

A system implemented nearly 10 years ago to eliminate the need to idle bus engines during off-service hours has some Toronto taxpayers fuming. According to the *Toronto Sun*, an \$11.2 million system purchased by the Toronto Transit Commission (TTC) to keep buses parked overnight warm enough to start in the morning does not always work; on the coldest nights, bus engines are kept running. The newspaper claims that it found dozens of buses idling at 1:00 a.m. on a recent Saturday morning.

The Swedish idling reduction system, UWE, is essentially a central heating system for antifreeze. The antifreeze is heated in the bus garages and then pumped to the parked buses through overhead pipes, after which it is

returned and reheated. In a 2006 TTC Status Update, an official wrote, “The UWE system is less effective in temperatures below -15°C and when the system is needed most, it fails.”

For more information, please see

[http://www3.ttc.ca/About the TTC/Commission reports and information/Commission meetings/2006/May 17 2006/Other/UWE Status Update.jsp](http://www3.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2006/May_17_2006/Other/UWE_Status_Update.jsp),

<http://www.torontosun.com/news/torontoandgta/2010/01/31/12688406.html>,

and

<http://www.torontosun.com/news/torontoandgta/2010/02/01/12701111.html>.

Source: Joe Tario, NYSERDA

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.

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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 in process.

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.dieselmidadlantic.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

- 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>)

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

- 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 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 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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