

National Idling Reduction Network News

April 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.	www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
CARB	California — Hybrid Truck and Bus Voucher Incentive Project (HVIP)	\$9.8 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_emission.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	\$299,138 (as of April 29, 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, ~ \$230,000; on-site idle reduction, ~\$1.4 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.dieselretrofitrebate.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
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/reformulatedgas.html
CARB	Advanced Technology Demonstration Project (for demonstration of the hybridization of an existing marine vessel)	\$1,000,000	May 28, 2010	http://www.arb.ca.gov/msprog/aqip/solicitations.htm
New York State Energy Research and Development Authority (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

U.S. Department of Energy (DOE)	State Energy Program (SEP) Program Year 2010 Formula Award	\$25 million	June 30, July 1, or September 30, 2010, depending on States' program-year cycle	https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000308&agency=DOE
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 Passes 400-Pound Exemption and Restricts Idling

Beginning on June 11, 2010, heavy-duty diesel trucks equipped with idling reduction equipment in West Virginia will be permitted to weigh an additional 400 pounds. On April 2, 2010, Governor Joe Manchin signed into law Senate Bill (SB) 183, which not only authorizes the weight exemption, but also enacts new restrictions on the idling of diesel-powered vehicles. Such idling will be restricted to 15 minutes or less in any 60-minute period; fines levied will be between \$150 and \$300 plus court costs. Exceptions to the idling rule include

mandated rest periods when the outdoor temperature is less than 40°F or more than 75°F. This exemption expires May 1, 2012. For more information, please go to http://www.landlinemag.com/todays_news/Daily/2010/Apr10/041210/041310-03.htm or http://www.legis.state.wv.us/Bill_Text_HTML/2010_SESSIONS/RS/BILLS/sb183%20sub1%20enr.htm.

Florida and Massachusetts Advance, and California Introduces, 400-Pound Exemption Bills

In Florida, House Bill (HB) 1271, which addresses a wide range of transportation issues, is being considered in the House. The bill would allow for an increase in a vehicle's maximum gross vehicle weight of up to 400

pounds to compensate for the weight of APUs installed. For the history and current status of HB1271, please click on <http://www.myfloridahouse.gov/Sections/Bills/billsdetail.aspx?BillId=44036>.

Massachusetts' HB 3334, an act to exempt the weight of idle reduction systems for commercial vehicles from maximum weight restrictions, was reported on favorably by a House committee and referred to another committee earlier this month. In California, Assembly Bill (AB) 1772, which was introduced in February, would increase by 400 pounds the group axle

weight limit of heavy-duty trucks. A version of the bill amended in assembly on April 7 is available at http://info.sen.ca.gov/pub/09-10/bill/asm/ab_1751-1800/ab_1772_bill_20100407_amended_asm_v98.html. The bill is currently in committee. To follow its progress, please go to <http://www.leginfo.ca.gov/bilinfo.html> and enter 1772 in the search field.

AWARDS AND RECOGNITION

ORGANIZATION	PURPOSE OF GRANT	FUNDING
Utah Department of Environmental Quality and Environmental Protection Agency (EPA)	Installation of APUs at 15 trucking companies	\$588,235

UPCOMING MEETINGS AND EVENTS

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

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
NCTCOG Construction Demonstration Project Workshop	Arlington, Texas	May 7, 2010	http://www.nctcog.org/trans/air/programs/fleet/constructionfleets/index.asp
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, North Carolina	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/
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
Hybrid Truck Users Forum (HTUF) National Conference 2010	Dearborn, Michigan	September 28–30, 2010	http://www.calstart.org/Homepage.aspx

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
West Coast Collaborative Partners Meeting	San Francisco, California	September 29–30, 2010	Penny McDaniel, EPA Region 9, at mcdaniel.penelope@epa.gov or (415) 947-4203
SAE Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 5–6, 2010	http://www.sae.org/events/cve/
Sustainable Shipping Conference	Miami, Florida	October 20–22, 2010	http://www.sustainableshipping.com/events/2010/miami/

MANUFACTURERS' NEWS

Webasto Introduces BlueCool Hybrid

Webasto (Fenton, Michigan) has expanded its BlueCool Thermal Storage APU product family to include the BlueCool Hybrid. According to Webasto, the new product is the first thermal storage APU with shore-power connection capability. The system, which connects directly to a standard 120-V AC land-based power source (“shore power”), produces cool air using thermal energy stored in a frozen graphite/water-glycol matrix.

When not connected to a land-based power source, the APU will provide power, by means of stored energy, for up to 10 hours. The APU will power laptops and other electronics and can be combined with the Webasto Air Top 2000 ST heater to provide a complete climate-control system. For more information, please go to <http://www.bluecooltruck.com/>.

ELECTRIFIED PARKING SPACES

TSE Initiatives Launched in Arizona and Pennsylvania

The Arizona Department of Environmental Quality (ADEQ) has awarded \$2.15 million to Shorepower Technologies for the installation of truck stop electrification (TSE). Shorepower will install 150 parking spaces with electric hookups and cooling and heating units for long-haul diesel trucks in nonattainment areas in the southern part of the State. ADEQ will work with the Arizona Department of Transportation, local governmental entities, and Shorepower to implement the project. The project is funded by Diesel Emissions Reduction Act (DERA) and American Recovery and Reinvestment Act (ARRA) grants. Please click on

<http://www.azdeq.gov/function/news/2010/download/040510.pdf> for more information.

Earlier this month, the Pennsylvania Turnpike Commission announced the beginning of construction of a TSE facility at its New Stanton Service Plaza. Expected to be operational by May 30, 2010, the facility will have 28 parking spaces supplied with equipment to provide truck drivers with heat, air-conditioning, Internet, TV, and electrical power via modules that fit in truck cab windows. CabAire (Enfield, Connecticut), the vendor selected for the

ARRA-funded project, will provide the equipment and maintain the TSE for 10 years after installation. Funding for the project was provided by a \$478,396 grant from the Pennsylvania Department of Environmental

Protection. For more information, please go to <http://www.paturnpike.com/Press/2010/20100405113136.htm>.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
U.S. Department of Transportation (DOT)	Transportation's Role in Reducing U.S. Greenhouse Gas Emissions (Report to Congress)	http://ntl.bts.gov/lib/32000/32700/32779/DOT_Climate_Change_Report - April 2010 - Volume 1 and 2.pdf .
Transportation Research Board (TRB) of the National Research Council (NRC)	Technologies and Approaches to Reducing the Fuel Consumption of Medium- and Heavy-Duty Vehicles	http://www.nap.edu/catalog.php?record_id=12845
The Port of Los Angeles and the Port of Long Beach	Draft 2010 San Pedro Bay Ports Clean Air Action Plan Update	http://www.cleanairactionplan.org/reports/documents.asp

PORTS

Ports Release CAAP Draft Update

Building on the San Pedro Bay Ports Clean Air Action Plan (CAAP) adopted in 2006, the Ports of Long Beach and Los Angeles have released a draft updated Clean Air Action Plan, for which the 30-day public comment period ends on May 7, 2010. The document addresses emissions from port-related ships, trains, trucks, terminal equipment, and harbor craft. The 2006 CAAP established a strategy for reducing port-related air pollution and launched

an array of initiatives, including the Ports' Clean Truck Programs. The Boards of Harbor Commissioners for the Ports of Long Beach and Los Angeles will consider adopting the draft 2010 CAAP update this summer. For more information, including access to the draft report, please click on <http://www.cleanairactionplan.org/reports/documents.asp>.

RAILROADS

Reduced Idling at Refurbished BNSF Intermodal Facility

Following a \$200 million rebuilding and expansion project, BNSF Railway's Memphis Intermodal Facility opened on April 21, 2010. The facility is now equipped with electric, rail-mounted gantry cranes that produce no on-site

emissions. The facility also has an automated gate system for trucks entering and exiting the facility. Digital cameras record images of containers and equipment, and drivers are identified with a biometric system. BNSF

claims that these enhancements not only increase security and throughput, but reduce truck idling time and emissions by 50 percent. More information

is available at <http://www.bnsf.com/media/news/articles/2010/04/2010-04-21a.html>.

OTHER NEWS OF INTEREST

Utah's Clean Diesel Trucking Initiative Bears Fruit

On April 6, 2010, the Utah Department of Environmental Quality (DEQ) and the Utah Trucking Association announced the Utah Clean Trucking Initiative. Made possible by State and Federal grants, the initiative will fund the installation of anti-idling technology for 15 trucking businesses. The funding includes \$352,941 from the U.S. EPA's State Clean Diesel Grant Program and

\$235,294 from DEQ's Division of Air Quality. Please click on <http://www.deq.utah.gov/News/2010/docs/dieselpressrelease.pdf> and <http://www.cleandiesel.utah.gov/> for more information. *Source:* Glen Kedzie, American Trucking Associations

NYSERDA Awards \$500,000 to ENrG for Idling Reduction

NYSERDA has awarded \$500,000 to ENrG, Inc. (Buffalo, New York) to develop components of a system that will significantly reduce truck-engine fuel use and emissions. ENrG is a specialty ceramics maker for clean-power applications. Working with industry partners, ENrG will develop a thermal management package for a solid oxide fuel cell (SOFC) APU capable of heating and providing power to a truck cabin without the need to run the

main engine. SOFCs, which are used as alternative energy sources, combine hydrogen and oxygen to produce electrical energy and heat, with water as a by-product. More information is available at http://www.house.gov/apps/list/press/ny27_higgins/041310_NYSERDA.shtml and <http://www.enrg-inc.com/>.

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, 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, 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 in process. †Effective July 1, 2010. ‡Effective June 11, 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

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 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.

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