



NATIONAL IDLING REDUCTION NETWORK NEWS

January 2009

SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry compared to last month.]

Organization	Project	Funding	Deadline	Website
Allegheny County (Pennsylvania) Health Department	Allegheny County Diesel School Bus Retrofit Program	\$500,000	Rolling deadline until funds are awarded.	http://www.achd.net/air/air.html and go to "School Bus Retrofit Program" on the right side of the screen
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
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	http://www.climatetrust.org/solicitations_open.php
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	http://www.energymaine.com/business_programs_sbliip.htm
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
New York State Research and Development Authority (NYSERDA)	PON 1158: School Bus Idling Reduction Demonstration Program for Westchester, Putnam, and Dutchess Counties	~\$325,000	Rolling deadline between November 10, 2008, and March 31, 2009	http://www.nyserda.org/funding/1158pon.asp



Organization	Project	Funding	Deadline	Website
Ohio Energy Office	Diesel Emissions Reduction Grant Program	\$11.2 million	March 2, 2009	http://www.odod.state.oh.us/diesel-emissions/
U.S. Department of Energy (DOE)	Clean Cities FY 09 Petroleum Reduction Technologies for Transportation Sector	\$1.8 million	March 31, 2009 (due date changed from February 27, 2009)	https://e-center.doe.gov/iips/faopor.nsf/UNID/C13B5C26EC575CDC85257527005EBB6E?OpenDocument
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on March 4 and August 5, 2009, and January 6, June 2, and November 3, 2010	http://www.nyserda.org/funding/1260pon.pdf
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

AWARDS AND RECOGNITION

EPA Makes FY 2008 State DERA Awards, Plans for FY 2009 Solicitations

Last fall the U.S. Environmental Protection Agency (EPA) completed its awards of funding under the Diesel Emissions Reduction Act (DERA) of 2005. The agency had allotted \$14.8 million of the almost \$50 million from DERA for the State Clean Diesel Program. The awards listed below are for those States whose proposals specifically included idling reduction. All 50 States received funding according to a formula, and 35 States matched resources toward the program.

The amount of funding for FY 2009 is uncertain. It could range from \$50 million to as much as \$300 million, depending on budget priorities. EPA plans to announce the State solicitation in March 2009 in the *Federal Register*. Press releases on the awards listed below are available at <http://epa.gov/otaq/diesel/newsroom.htm>. More



information about the FY 2009 program is available at <http://epa.gov/otaq/diesel/prgstate.htm>.

In addition, DERA funding will be available for the National Clean Diesel Funding Assistance Program through the seven Regional Clean Diesel Collaboratives. A solicitation for proposals for FY 2009 for that program is expected to come out in February 2009 from each Collaborative:

- [Northeast Diesel Collaborative \(EPA Regions 1 and 2\)](#)
- [Mid-Atlantic Diesel Collaborative \(EPA Region 3\)](#)

- [Southeast Diesel Collaborative \(EPA Region 4\)](#)
- [Midwest Clean Diesel Initiative \(EPA Region 5\)](#)
- Blue Skyways Collaborative <http://www.blueskyways.org> (EPA Regions 6 and 7 plus Minnesota)
- [Rocky Mountain Clean Diesel Collaborative \(EPA Region 8\)](#)
- [West Coast Collaborative \(EPA Regions 9 and 10, with Canada and Mexico\)](#).

Source: <http://epa.gov/otaq/diesel/prgnational.htm>

FY 2008 DERA State Awards that Include Idling Reduction

State Agency	Purpose of EPA Grant	EPA Funding
Arkansas Department of Environmental Quality	Fund projects that reduce diesel emissions by using retrofit equipment, idle-reduction technologies, and other techniques.	\$295,000
Indiana Department of Environmental Management	Provide funding for a variety of aftermarket technologies including, but not limited to, diesel oxidation catalysts, diesel particulate filters, closed crankcase filtration systems, idle-reduction technologies for on-road and non-road diesel engines, as well as technologies to improve the fuel efficiency of diesel locomotives.	\$196,880
Kansas Department of Health and Environment	Develop the Kansas Clean Diesel Program grant competition for public and private fleet owners and operators across the state. Eligible projects will include EPA or California Air Resources Board (CARB) verified retrofits, certified engine replacements or repowers, and verified idle-reduction technology.	\$295,320
Maine Department of Environmental Protection (ME DEP)	Fund 50 percent of the purchase of 2 compressed natural gas school buses to replace conventional diesel versions and provide direct-fired heaters for 25 school buses statewide. In addition, ME DEP will sub-grant \$100,000 to the State Public Utilities Commission to supplement an existing low-interest loan program for small businesses to purchase idling reduction technologies to reduce diesel emissions. The grant will also pay for the purchase and installation of an auxiliary power unit (APU) on a locomotive.	\$492,220
Missouri Department of Natural Resources	Reduce the emissions coming from Missouri Department of Transportation fleets in the St. Louis, Kansas City, and Springfield Districts through the use of emission control devices, idle-reduction equipment, engine upgrades, and early vehicle replacements.	\$726,227



State Agency	Purpose of EPA Grant	EPA Funding
Nebraska Department of Environmental Quality	Retrofit diesel-powered vehicles in the Omaha and Lincoln areas, including school buses, and raise awareness of the need to retrofit more vehicles, reduce diesel engine idling, and encourage use of ultra-low sulfur diesel fuel.	\$196,880
New Hampshire Department of Environmental Services	Retrofit transit buses and Department of Transportation vehicles with a combination of diesel oxidation catalysts, diesel particulate filters, and idle-reduction technology, significantly reducing diesel emissions from heavy-duty diesel engines operating across the State.	\$492,200
New York State Department of Environmental Services (NYSDES) with NYSERDA as a partner	Help school districts reduce their diesel emissions by installing diesel oxidation catalysts, closed crankcase filtration systems, and diesel particulate filters; by applying idle-reduction measures; and by helping to purchase hybrid diesel electric marine engines for the new NYSDES patrol boat used to safeguard the Hudson River.	>\$1 million
Wisconsin Department of Natural Resources	Offer grants to on-road equipment owners for idling-reduction devices, as well as retrofit equipment such as diesel oxidation catalysts and diesel particulate filters. Non-road equipment owners can apply for grants for idle-reduction devices, diesel oxidation catalysts, and engine repowers.	\$196,880
Vermont Department of Environmental Conservation	Continue efforts to equip publicly owned school buses with advanced pollution control technologies, including technologies that reduce unnecessary idling. In addition, this grant will pilot the retrofit of transit buses and/or ambulances with idle-reduction technologies and assist with outreach and education efforts to stakeholders statewide.	\$196,880

EPA SmartWay Grant Shows Benefits of Idling Reduction

In 2005 EPA made a \$500,000 award to develop a mobile idling reduction technology (MIRT) to the North Carolina Solar Center (NCSC) at North Carolina State University (NCSU) in Raleigh. In partnership with Volvo Trucks North America, based in

Greensboro, NSCU used the SmartWay grant to demonstrate the effectiveness of MIRT's in 20 over-the-road trucks.



Faculty and students from the NCSU College of Engineering's Department of Civil, Construction and Environmental Engineering remotely monitored the performance of the APU's in actual use. The results of their research on the 20 trucks in field operation during the 16-month data collection period are in a case study, video, and final report posted at <http://www.engr.ncsu.edu/ncsc/transportation/MIRTproject.htm>.

Results of the study showed that, at mild temperatures, using the APU 100 percent of the time instead of idling led to an 80-90

percent reduction in NO_x emissions, a 36-47 reduction in CO₂ and fuel use, and a 10-25 percent reduction in PM. Data from the field seemed to show that the single drivers used the APU an average of 59 percent of the time while team drivers used it only 25 percent of the time. The study suggests that fleet owners and operators do a careful evaluation of the need for an APU to reduce idling and provide incentives and training to increase drivers' use of these devices. More information is at http://www.engr.ncsu.edu/ncsc/transportation/docs/Press/2008_10-28_MIRT_Volvo_final.pdf. Source: Anne Tazewell, NCSC

SmartWay Announces 2008 Excellence Awards

Almost of third of the 29 winners of the EPA-sponsored 2008 SmartWay Transport Partnership Excellence Awards employed idling reduction technologies along with driver education aimed at reduction

- American Central Transport, Inc., added bunk heaters, APU's, and low-friction engine lubricants to its mix of strategies. The company also uses truck stop electrification when available.
- Challenger Motor Freight, Inc., invested in idling reduction technologies, such as auxiliary bunk heaters, APU's, and most recently, an auxiliary cooling system that runs off the tractor's battery system. This company has reduced its idling time by 6 percent.
- Con-way Freight, which specializes in next-day and second-day less-than-truckload freight transportation services, installed automatic engine shut-off controls to minimize idle time while parked.
- Covenant Transportation, Inc., provides truckload for-hire and dedicated contract transportation. To reduce idling, Covenant installed 476 APU's, makes truck stop electrification available

idling time. They were all lauded for finding ways to save fuel and reduce pollution. Below is the list of companies whose use of idling reduction made them award winners.

- to all drivers for a reduced rate, and charges drivers an hourly fee for idling in excess of a set maximum. These strategies caused Covenant's idling rate to drop from 41.38 percent down to 20.97 percent in just 1 year.
- Dillon Transport is a carrier in the asphalt transportation industry and reduced idling by APU's and automatic idle shutoff devices on its tractors.
- Gordon Trucking, Inc., is a truckload carrier, which bought 450 APU's and saved an estimated 250,000 gallons of fuel.
- Stan Koch and Sons Trucking, Inc., a warehousing and logistics services provider, bought trucks equipped with APU's and has retrofitted 80 percent of its older trucks with them. The company employs a bonus program for drivers who reduce idling, and it has reduced idling time from 60 percent in 2005 to 15 percent in 2007.



- National Freight, Inc., a dedicated freight carrier and a second-time SmartWay Excellence Award winner, purchased APU's for all new sleeper tractors. For trucks without APU's, the company pays for truck stop electrification services. It also limits idling to 15 minutes for all tractors without APU's.
- Roehl Transport, a three-time SmartWay Excellence Award winner, has a driver training program that teaches maximum idling levels that drivers are asked not to exceed, conducts weekly idle-time evaluations, and sets miles per gallon targets

for its drivers. This training led to a 41 percent decrease in idling in 2007.

More information is available at <http://yosemite.epa.gov/opa/admpress.nsf/d0cf6618525a9efb85257359003fb69d/f4b5bacdbbe9b5cd852574db005e1216!OpenDocument> and <http://www.epa.gov/smartway/transport/documents/awards/smartway-award-summaries.pdf>.

REGULATORY NEWS

Déjà Vu All Over Again in Massachusetts

In 2005, videotaped evidence showed that Material Installations of North Andover, Massachusetts, had allowed its delivery fleet to idle in violation of the Commonwealth's 5-minute rule against idling. EPA Region 1 fined the company \$109,000 fine at that time but settled for a \$45,000 payment and an agreement that the company would outfit its vehicles with emission-reducing equipment. In late 2008, however, further evidence of unnecessary idling was videotaped again by a local resident at the company's loading dock and parking lot. This time EPA has fined the company \$34,692.

The company, which installs modular furniture, is located in an office park that is separated from a residential neighborhood by a row of

trees and a fence. Many of the taped violations showed the trucks idling for only 6-10 minutes, but in one case, one trucks idled for more than 1 hour.

EPA is involved with enforcing the Massachusetts anti-idling law because the law is part of the federally required State Implementation Plan. More information is available at <http://yosemite.epa.gov/opa/admpress.nsf/6d651d23f5a91b768525735900400c28/650c9e8f8e1faf64852574da005fba58!OpenDocument> and http://www.eagletribune.com/punews/local_story_280222729.html/resources_printstory.

California Enforces Diesel Anti-Idling Rule

Almost a year after a law limiting idling of diesel engines to no more than 5 minutes, CARB has begun to enforce the law. CARB staff and

local air quality officials throughout California are monitoring sleeper berths and commercial on- and off-road diesel vehicles where they



operate. First-time violations, idling for greater than 5 minutes, will receive a minimum civil penalty of \$300. Subsequent penalties can be from \$1,000 to \$10,000. Owners, renters or lessees will be responsible for the penalty.

Regulations limiting idling of on-road commercial diesel vehicles to 5 minutes have been in effect for several years now and for sleeper berth trucks since January of 2008. The regulations addressing the idling of off-road diesel vehicles became effective in June 2008.

Industries were given a grace period allowing them to inform themselves and their staff of the new requirements.

In a case where an off-road vehicle is observed idling for more than 5 minutes, enforcement officials will contact the operator and site supervisor to determine the reason. If the reason is not exempted, as some clauses of the regulation allow, and the instance is a first time violation, a \$300 per day citation will be issued to the owner, renter or lessee of the vehicle. For more information, please go to <http://www.arb.ca.gov/newsrel/nr100908.htm>.

Gatineau Beefs up Anti-Idling Bylaw

Gatineau, P.Q, Canada, across the Ottawa River from Ottawa, has beefed up its anti-idling law. The old bylaw allowed for fines for Can\$30 if a vehicle were idling for more than 5 minutes; the new bylaw increases the fine to Can\$50 and reduces the idling time to 3 minutes. The city decided to change its regulation because the Province of Quebec has incentives to help cities reduce idling. As a result of the changes, Gatineau has received Can\$117,000 for an awareness campaign and signs.



There are exemptions to the bylaw for such vehicles as emergency vehicles, taxis carrying passengers

between November 1 and March 31, hybrid or electric cars, vehicles stopped in traffic or being maintained, armored cars, heavy vehicles using an APU or transport refrigeration unit (TRU), and cars needing to be cleared of ice or freezing rain.

In Ottawa, idling is limited to 3 minutes and can carry a Can\$100 fine. For more information, please see http://www.ville.gatineau.qc.ca/page.asp?p=environnement/vehicules_marche ralenti and <http://www.canada.com/ottawacitizen/news/city/story.html?id=14f60cf3-a629-4b7d-9779-3fa2e72dee67>.



Montgomery County, Maryland, to Ban Commercial Vehicles from Parking in Residential Areas

Truckers looking to park their cabs on residential streets outside their homes in the most populous county in Maryland, Montgomery County, could be out of luck starting July 1, 2009. The Montgomery Council County, the governing body for the County, will prohibit long-term parking for big rigs and recreational vehicles on residential streets, and owners of the vehicles could be subject to fines of \$75 if the vehicles are at their homes for more than 18 hours. Exemptions to

the time limit include loading and/unloading people and/or goods or repairing the vehicle. These vehicles could only be parked on 13 miles of strictly industrial areas spread around the county. More information can be found at http://www.montgomerycountymd.gov/content/council/pdf/bill/2009/20080209_27-08.pdf and <http://www.washingtonpost.com/wp-dyn/content/article/2009/01/27/AR2009012702636.html>.

UPCOMING MEETINGS AND EVENTS

[Red text indicates a new entry compared to last month.]

Meeting	Location	Date	Website or Contact
Clean Heavy-Duty Vehicle Conference and Expo	Long Beach, California	March 16-18, 2009	http://www.chdv.org
Faster Freight, Cleaner Air	Long Beach, California	March 23-25, 2009	http://www.fasterfreightcleanerair.com/
Alternative Fuels & Vehicles Conference + Expo	Orlando, Florida	April 19-22, 2009	http://www.afv2009.com

MANUFACTURERS' NEWS

IdleBuster Ceases Operation

A telephone call to IdleBuster's phone number verifies that IdleBuster, a manufacturer of APU's, is no longer in business. The company's website, <http://www.idlebuster.com>, states that the current state of the

economy has led to its shutdown. The site mentions that the company hopes to resume business when the economy improves.



OTHER NEWS OF INTEREST

SmartWay Posts List of APU's Exempt from FET

In the Fall 2008 issue of this newsletter, there was mention of the Energy Improvement and Extension Act of 2008 (P.L. 110-343) in the Emergency Economic Stimulus Act of 2008 allowing an exemption of the 12-percent Federal excise tax (FET) for APU's and advanced insulation having an R-value of more than 35. EPA was tasked with

coordinating a list of APU's with the Departments of Transportation and Energy, and that list is now available on the SmartWay Transport Partnership website at <http://www.epa.gov/smartway/transport/what-smartway/idling-reduction-fet.htm>.

RECURRING FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly.

Also, be mindful that web links may expire or move over time and some sources require registration. If you have trouble opening a link, try copying and pasting it, or retype it in the address box of your browser.

Tools Now Available to Calculate Cost of Idling Reduction Equipment

Among the tools available to workplace and truck fleet managers and owner-operators are calculators to help determine the cost and benefits of installing and paying for idling reduction equipment. Included also is a site from Canada that quantifies the costs of workplace idling. Here are a few sites that might be of benefit to you. Any new entry this month is shown in red.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Authotherm (http://www.autothermusa.com/idle_calc.html)
- Cummins (<http://www.cumminscomfortguard.com/offer>)
- DOE Clean Cities program (http://www.afdc.energy.gov/cleancities/ccn/progs/story.php/W_HATS_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?sitePagelId=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>)
- Natural Resources Canada (<http://oee.nrcan.gc.ca/transportation/tools/calculators/ldling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APU's (http://www.teleflexpower.com/tb_idle_calculator_usapu.php)
- Teleflex auxiliary heaters (http://www.teleflexpower.com/tb_idle_calculator_usheater.php)
- Thermo King (<http://www.thermoking.com/tripac/>)
- Webasto (http://www.techwebasto.com/calculators/heater/heater_fuel_calculator_us.htm)

Please let us know if you are aware of other sources that the readers of this newsletter might want to know about.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in January 2009, are available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70. If your State or municipality has changed anything listed on this

site or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

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. Further information can be found at http://www.eere.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to <http://www.westcoastdiesel.org/programs.htm>.



Clean Cities, SmartWay Web Sites Show 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 34 States. CabAire, IdleAire, and Shorepower Technologies installations are listed in this locator. Please go to http://www.afdc.energy.gov/afdc/progs/tse_listings.php to access that information.

The EPA SmartWay Interactive Activity Map 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, State idling laws, and other related data. The maps enable you to visualize the location of projects for specific fuel consumption and pollution reduction projects. The maps also help truck drivers to find the nearest electrified truck stop and help you to find the nearest public alternative-fuel filling station. For more information, please go to http://epamap10.epa.gov/website/irim_us_map.asp.

Status of 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 table below was created by the Federal Highway Administration this

past summer. As time permits, URL's 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 updates for this table.

State Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)			
State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Alabama		X	X
Alaska	X		
Arizona	X		

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Arkansas	X		
California		X	
Colorado		X	X
Connecticut		X	
Delaware		X	



State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
District of Columbia		X	
Florida		X	
Georgia		X	
Hawaii		X	
Idaho	X		
Illinois	X		
Indiana	X		
Iowa	X		
Kansas	X		
Kentucky		X	
Louisiana	X		
Maine	X		
Maryland	X		
Vermont	X		
Virginia			
Washington	X		
West Virginia		X	X
Wisconsin	X		
Wyoming		X	

State	Allows 400-Pound Weight Exemption	Does not Allow 400-Pound Weight Exemption	Legislation Pending to Allow Exemption
Massachusetts		X	
Michigan	X		
Minnesota	X		
Mississippi	X		
Missouri	X		
Montana	X		
Nebraska	X		
Nevada	X		
New Hampshire	X		
New Jersey	X		
New Mexico	X		
New York	X		
North Carolina		X	
North Dakota	X		
Ohio	X		
Oklahoma	X		
Oregon	X		
Pennsylvania	X		
Rhode Island		X	
South Carolina	X		
South Dakota	X		
Tennessee		X	
Texas	X		
Utah	X		



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