



# NATIONAL IDLING REDUCTION NETWORK NEWS

September 2009

## SOLICITATIONS FOR FUNDING AND AWARDS

[Red text indicates a new entry since 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.	<a href="http://www.achd.net/air/air.html">http://www.achd.net/air/air.html</a> 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.	<a href="http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf">http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf</a>
Climate Trust	Greenhouse Gas Offset Projects	\$8 million	Rolling deadline until funds are awarded.	<a href="http://www.climatetrust.org/apply.html">http://www.climatetrust.org/apply.html</a>
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	<a href="http://www.energymaine.com/business_programs_sblilp.htm">http://www.energymaine.com/business_programs_sblilp.htm</a>
Florida Department of Environmental Protection	Clean Diesel Rebate Program	\$300,000	Rolling deadline until funds are awarded.	<a href="http://www.dep.state.fl.us/air/emission/mc/diesel_rebate.htm">http://www.dep.state.fl.us/air/emission/mc/diesel_rebate.htm</a>
North Central Texas Council of Governments	Heavy-Duty Vehicle and Equipment Grant Program	\$10.7 million	Rolling deadline until funds are awarded.	<a href="http://www.nctcog.org/trans/air/programs/terp/hdvegp/">http://www.nctcog.org/trans/air/programs/terp/hdvegp/</a>
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.	<a href="http://www.dieselretrofitrebate.org">http://www.dieselretrofitrebate.org</a>



Organization	Project	Funding	Deadline	Website
Tennessee Department of Environment and Conservation	Idle Smart Clean Diesel Grant Program	\$1.73 million	Rolling deadline until funds are awarded.	<a href="http://www.tn.gov/environment/recovery">http://www.tn.gov/environment/recovery</a>
<b>Society of Automotive Engineers (SAE)</b>	<b>Environmental Excellence in Transportation (E2T) Award</b>	<b>N/A</b>	<b>October 15, 2009</b>	<a href="http://www.sae.org/news/awards/list/e2t/">http://www.sae.org/news/awards/list/e2t/</a>
<b>Wisconsin Department of Commerce</b>	<b>Wisconsin Diesel Truck Idling Reduction Grant Program</b>	<b>\$2 million</b>	<b>October 23, 2009</b>	<a href="http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html">http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html</a>
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	Rounds close on October 26 and December 21, 2009, and February 16, 2010	<a href="http://www.nyserda.org/funding/1613rfp.asp">http://www.nyserda.org/funding/1613rfp.asp</a>
<b>SAE</b>	<b>2009 Barry D. McNutt Award for Excellence in Automotive Policy Analysis</b>	<b>N/A</b>	<b>October 30, 2009</b>	<a href="http://www.sae.org/news/awards/list/mcnutt/">http://www.sae.org/news/awards/list/mcnutt/</a>
NYSERDA	School Bus Idling Reduction Program for Westchester, Putnam, and Dutchess Counties	~\$444,000	Rolling (until December 30, 2009)	<a href="http://www.nyserda.org/funding/1616pon.asp">http://www.nyserda.org/funding/1616pon.asp</a>
NYSERDA	Clean Energy Business Growth & Development Program Opportunity Notice 1260	\$6.4 million	Rounds close on January 6, June 2, and November 3, 2010	<a href="http://www.nyserda.org/funding/1260pon.pdf">http://www.nyserda.org/funding/1260pon.pdf</a>
Ontario (Canada) Ministry of Transportation	Green Commercial Vehicle Program	Can\$2.9 million	March 31, 2012	<a href="http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf">http://www.forms.ssb.gov.on.ca/mbs/ssb/forms/ssbforms.nsf/AttachDocsPublish/023-05002E~3/\$File/05001-2E_ProgramGuide.pdf</a>



## REGULATORY NEWS

### *ATRI Updates List of Idling Regulations*

As mentioned in the last issue of the newsletter, as of September 1, 2009, some cities and counties in Texas no longer allow drivers to idle their truck engines while using a sleeper berth. The American

Transportation Research Institute (ATRI) has updated its list of State and local idling regulations to reflect these changes. Please see the updated list at <http://www.atri-online.org>.

### *Cleveland Becomes an Anti-Idling City*

Starting October 1, 2009, Cleveland, Ohio, becomes the first jurisdiction in Ohio to enact an anti-idling ordinance. Idling is restricted to 5 minutes in any 60-minute period, and enforcement will be by the Office of the Director of Public Safety. At loading docks, there is a 10-minute restriction that applies not only to the operator or owner of the vehicle but also to the owner or operator of the loading dock. Idling is also allowed for 10 minutes when the temperature is below 32°F or

above 85°F. Other exemptions include having an APU or being in a sleeper cab during a required rest or sleep period. Any penalty is that of a minor misdemeanor. More details are at [http://www.earthdaycoalition.org/cleantransport/files/Cleveland%20Idle%20Ordinance\\_City%20Record%20207-09.pdf](http://www.earthdaycoalition.org/cleantransport/files/Cleveland%20Idle%20Ordinance_City%20Record%20207-09.pdf). Source: Amy Wainwright, Esq., Northeast Ohio Areawide Coordinating Agency

## AWARDS AND RECOGNITION

### *Recovery Act Funding Awards*

The following table lists U.S. Environmental Protection Agency (EPA) and U.S. Department of Transportation (DOT) American Recovery and Reinvestment Act (ARRA) funds awarded for which idling-reduction components have been explicitly described. For a complete list of 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](mailto:idlingreduction@anl.gov).



Organization	Purpose of Grant	Total Funding
Illinois — City of Chicago Department of Environment	Reduce emissions and fuel usage from the city's diesel fleet (includes 163 diesel-fired heaters)	\$1 million
Illinois — Chicago Transit Authority	Electric power delivery system for outdoor bus parking stalls that will deliver electrical power for up to 80 vehicles and provide services such as heating and air-conditioning to vehicles that would otherwise be left idling during overnight cleaning and prior to morning pullout	\$1.5 million
NYSERDA	Energy Efficiency Conservation Block Grant (includes idling reduction)	\$29 million
Texas — Houston-Galveston Area Council	Bridge Loan Program to Support Clean Drayage (includes idling reduction)	\$9 million
Wisconsin Department of Commerce	Purchase and Installation of idle-reduction technologies	\$2.07 million

### **Wisconsin DNR Awards \$235,000**

The Wisconsin Department of Natural Resources (DNR) has awarded \$235,000 in EPA 2008 Diesel Emission Reduction Act grants to reduce the pollution associated with 110 trucks, school buses, and construction vehicles. The purchases supported include idling

reduction units, battery powered heating, ventilation, and air-conditioning (HVAC) units, and direct fired heaters. More information, including a link to a list of the awardees, is available at [http://dnr.wi.gov/news/DNRNews\\_article\\_Lookup.asp?id=1203](http://dnr.wi.gov/news/DNRNews_article_Lookup.asp?id=1203).

### **Midwest Clean Diesel Initiative Leadership Group Presents Awards**

On September 17, 2009, the Midwest Clean Diesel Initiative Leadership Group recognized people and organizations that have worked to reduce diesel emissions. Among those receiving recognition was the Wisconsin Department of Commerce, which administers the Wisconsin Idling Reduction Grant Program. The grant program provides 50 percent of the cost of an idle-reduction

technology to Wisconsin-based fleets. Founded by the Wisconsin legislature, the program has funded more than 1,100 idle reduction devices in 339 grant awards. It has been so successful that the State legislature has reauthorized it through 2015. Please see <http://yosemite.epa.gov/opa/admpress.nsf/0/7e38a4b1d2b9ba7085257634006d3ad5?OpenDocument> for more information.



## UPCOMING MEETINGS, WEBINARS, AND EVENTS

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

Meeting	Location	Date	Website or Contact
<b>EPA Clean Diesel Program Workshop</b>	<b>South Charleston, West Virginia</b>	<b>October 6, 2009</b>	Please contact Jessica Greathouse at <a href="mailto:greathouse.jessica@epa.gov">greathouse.jessica@epa.gov</a> or call (304)234-0275 by October 1, 2009, or register online at <a href="http://www.marama.org/calendar/events/2009_10DieselProgram.html">http://www.marama.org/calendar/events/2009_10DieselProgram.html</a>
SAE Commercial Vehicle Engineering Congress and Exhibition	Rosemont, Illinois	October 6–7, 2009	<a href="http://www.sae.org/cve">http://www.sae.org/cve</a>
<b>CARB Public Workshop to Discuss Revisions to the Carl Moyer Program Guidelines</b>	<b>Sacramento, California</b>	<b>October 13, 2009</b>	<a href="http://www.arb.ca.gov/msprog/mailouts/msc0931/msc0931.pdf">http://www.arb.ca.gov/msprog/mailouts/msc0931/msc0931.pdf</a>
<b>EPA Region 2 Webinar: EPA Funding Opportunities for Clean Diesel Projects</b>	—	<b>October 15, 2009 (10:00–Noon EDT)</b>	<a href="http://www.epa.gov/region2/sustainability/greencommunities/cleandiesel.html">http://www.epa.gov/region2/sustainability/greencommunities/cleandiesel.html</a>
<b>EPA Region 2 Webinar: Clean Diesel Construction: Strategies, Tools, and Incentives</b>	—	<b>October 27, 2009 (1:30–3:30 pm EDT)</b>	<a href="http://www.epa.gov/region2/sustainability/greencommunities/cleandiesel.html">http://www.epa.gov/region2/sustainability/greencommunities/cleandiesel.html</a>
Hybrid Truck Users Forum National Conference	Atlanta, Georgia	October 27–29, 2009	<a href="http://www.calstart.org/Projects/Hybrid-Truck-Users-Forum.aspx">http://www.calstart.org/Projects/Hybrid-Truck-Users-Forum.aspx</a> or <a href="mailto:ddubose@calstart.org">ddubose@calstart.org</a>
Transportation Research Board (TRB) 89th Annual Meeting	Washington, D.C.	January 10–14, 2010	<a href="http://www.trb.org/AnnualMeeting/default.asp">http://www.trb.org/AnnualMeeting/default.asp</a>
<b>Green Truck Summit</b>	<b>St. Louis, Missouri</b>	<b>March 9–12, 2010</b>	<a href="http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx">http://www.calstart.org/Events/CALSTART-Events/Clean-Heavy-Duty-Vehicle-Conference-Now-Green-Truc.aspx</a>
Alternative Fuels & Vehicles Conference + Expo 2010	Las Vegas, Nevada	May 9–12, 2010	<a href="http://www.afv2010.com/">http://www.afv2010.com/</a>



## PRESENTATIONS FROM MEETINGS AND EVENTS

Meeting/Event	Date	Website or Contact
Directions in Engine-Efficiency and Emissions Research Conference	August 3–6, 2009	<a href="http://www1.eere.energy.gov/vehiclesandfuels/resources/proceedings/2009_deer_presentations.html">http://www1.eere.energy.gov/vehiclesandfuels/resources/proceedings/2009_deer_presentations.html</a>
Diesel Technology Forum Webinar, Lessons Learned — A Closer Look at Recent ARRA Funded DERA Projects	September 2, 2009	<a href="http://www.dieselforum.org/multimedia">http://www.dieselforum.org/multimedia</a>

## MANUFACTURERS' NEWS

### *Thermo King Announces Rebates for Espar Heaters*

Thermo King is offering customers rebates of up to \$1,000 with the purchase of qualifying quantities of select Espar heaters through December 31, 2009. Eligible equipment includes: Airtronic D4 truck kits (84-847 — 12V with thermostat; 84-846 — 12V with mini controller); Airtronic D2 truck kits (84-838 — 12V with thermostat; 84-837 — 12V with mini controller); Airtronic D2/Hydronic 5 combo truck

kits (84-661 — external fuel pump, timer with bracket and mini controller; 84-668 — timer with bracket and 12V thermostat); and Hydronic D5 truck kits (80-112 — 12V with timer; 84-865 — 12V with external fuel pump). More information is available at the manufacturer's website (<http://www.thermoking.com/tk/index.asp>).

### *Thermo King Offers More Options*

Thermo King has announced the addition of a controller with greater programmability to the TriPac™ Hybrid Auxiliary Idle Reduction and Temperature Management System (APU). The new feature allows customers to customize their TriPac system to match the demands of their business and is standard on all new TriPac systems. With this capability, the driver or fleet manager may select the parameters that the TriPac system will automatically control after a tractor on/off cycle. The system can be programmed to monitor battery and coolant temperature only after the tractor on/off cycle, or, if the driver/fleet

manager prefers, it can monitor cab temperature and automatically maintain a previously selected set point.

Thermo King has also added closed-loop cooling to the list of available options for the TriPac system. For drivers who frequently operate in warm climates or simply prefer that the TriPac system not tie into the tractor engine coolant, closed-loop cooling is a good option. The TriPac system will run independently of the tractor engine coolant and still provide the battery charging and cab comfort options.



Closed-loop cooling also provides emergency tractor alternator backup. The feature can be ordered with the TriPac system or as an aftermarket option from Thermo King dealers.

More information about both of these options may be found at <http://www.thermoking.com/tk/index.asp>.

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### ***New Anti-Idling Battery Launched***

The Trojan Battery Company has introduced the OverDrive™ AGM 31, a sealed, absorbed glass mat (AGM) battery built specifically for idle-reduction technology in the heavy-duty/commercial truck industry. The manufacturer states that the battery provides clean, steady power for heating, air, and critical on-board instruments when the truck

engine is turned off. It also claims excellent recharge efficiency; superior vibration resistance over standard conventional lead acid batteries; and a flame-arrestor pressure vent safety feature. For additional information, please visit <http://www.trojanbattery.com/OverDrive>.

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### ***APU Newcomers: Dynasys and LifeForce***

At the Great American Trucking Show in Dallas, Texas, in August, Hodyon launched its first anti-idling truck APU. Dynasys is a stand-alone, diesel-fueled APU that provides engine preheating for cold-weather starting, electric heating and hermetic air-conditioning for the sleeper, and 120-V AC household power for appliances.

According to the manufacturer, the Dynasys occupies less than 20 inches of frame space and has service intervals that match those of truck systems. The unit can also be equipped with a shore power option, enabling it to plug into a 120-V power supply. Please visit <http://www.hancockindustries.com/auxiliarypower.aspx> for more information.

Another new APU, LifeForce, is unique in that it uses propane as its power source. The company claims that this system is much lighter than diesel-fueled or battery-powered APUs and less expensive. At present, the company is focusing on the California market as its product meets both CARB and EPA emission standards. Financing is available through Cascade Sierra Solutions. More information can be found at <http://www.lifeforceapu.com/>.



## ELECTRIFIED PARKING SPACES

### *Mobile Truck Stop Electrification Locator Now Available*

The U.S. Department of Energy's (DOE) National Renewable Energy Laboratory (NREL) has launched the Mobile Truck Stop Electrification Locator, a mobile application to help truck drivers find public truck stops that have idle reduction facilities. The application can be accessed by using a cell phone or other mobile device. New sites will be added as they open. Nationwide, more than 130 truck stop electrification systems allow truckers to "plug in" their vehicles to operate necessary systems without idling the engine. The Mobile

Truck Stop Electrification Locator generates maps to the five closest electrification sites (within 200 miles) and lists each site's contact information. Detailed driving directions and an instant phone connection to the station can be accessed at <http://www.afdc.energy.gov/afdc/locator/m/tse>.

Please click on <http://www.nrel.gov/news/press/2009/726.html> for more information

### *EnviroDock Opens First Site in New York State*

With the cost-shared support of NYSERDA, EnviroDock becomes a new entrant in the field of stationary idling-reduction systems in New York State. Earlier this month, the company opened its first installation of five E-Dock Stationary units at the Canaan Truck Stop, which is an Ambest Truck Stop located in Canaan, New York. The company was able to use NYSERDA funding to finalize the design, development, and commercialization of its E-Dock System.

The E-Dock Stationary is a stand-alone heating and cooling system with a robust, steel-enclosed and powder-coated cabinet. This unit delivers electronically filtered and temperate air to the truck cab through two thermally insulated flexible ducts via a window control panel called the Window Air Delivery Unit (WADU). This patent-pending WADU is attached to a swinging arm, which makes a simple and weightless installation into the cab window. It also houses an easy-to-use control panel for temperature and fan speed, as well as a



duplex power outlet for in-cab appliances, such as microwaves, computers, and coffee makers. Additionally, the E-Dock system also provides a duplex power plug on the outside unit itself for engine block heaters and any other power requirements.

Please go to <http://www.envirodock.com> for more information. *Source:* Joe Tario, NYSERDA, and Ken Neal, EnviroDock





## PORTS

### *Pacific Ports Make Shore Power Gains*

On August 31, 2009, Port Metro Vancouver, Canada's largest port, unveiled its new shore-power facility at the Canada Place cruise ship terminal. The port is the first in that country to install shore power for cruise ships. The shore-power installation, planning for which began in 2005, is the result of a \$9 million cooperative initiative between the Government of Canada, the British Columbia Ministry of Transportation, Holland America Line, Princess Cruises, BC Hydro, and Port Metro Vancouver.

In 2008, the Port hosted 254 cruise ship visits. For more information about the new shore power facility, please see <http://www.tc.gc.ca/mediaroom/releases/nat/2009/09-h121e.htm> and <http://www.portmetrovancover.com/about/news/08-12-17/Shore Power for Cruise Ships at Canada Place in 2009.aspx>.

Meanwhile, at the Port of Los Angeles, more than \$42 million in long-term improvements will be invested in the Inner Harbor World Cruise Center, according to the Board of Harbor Commissioners. An allocation of \$18 million for Alternative Marine Power (AMP) will allow cruise ships to use shoreside electrical power, rather than burning diesel fuel, while at port. The first phase of the project is expected to be complete later in 2009, and the second phase is slated for completion in January 2011. Depending on the size of the ship, the Port estimates that, for each day the ship is at berth and plugged in, AMP will reduce nitrogen oxide (NO<sub>x</sub>) emissions by 1 ton and reduce sulfur oxide (SO<sub>x</sub>) emissions by 85 percent. The website [http://www.portoflosangeles.org/newsroom/2009\\_releases/news\\_091709\\_cruise.asp](http://www.portoflosangeles.org/newsroom/2009_releases/news_091709_cruise.asp) contains more information.

### *Sea-Tac Wins ARRA Funding for Ground Support Equipment*

Seattle-Tacoma International Airport (Sea-Tac) has been awarded \$5 million of ARRA funding from DOE's Clean Cities program for electric charging stations for airplane ground support equipment and replacement of 200 gas and diesel vehicles with electric vehicles, saving more than 400,000 gallons of fuel per year. The project jump starts Sea-Tac's efforts to be the first airport in the United States to fully electrify its fleet of ground support equipment. In addition to the fuel savings, the project is expected to reduce CO<sub>2</sub> emissions by more than 4,500 metric tons per year.

Sea-Tac currently has about 650 ground support vehicles. The focus of the project will be gasoline baggage tractors and loading equipment because they are large consumers of petroleum fuel at the airport. The project will install new electric charging stations on the ramp area. The grant money to purchase new electric vehicles will be matched in a cooperative effort by the Port of Seattle and airlines at Sea-Tac. More information is available at [http://www.portseattle.org/news/press/2009/08\\_27\\_2009\\_01.shtml](http://www.portseattle.org/news/press/2009/08_27_2009_01.shtml).



## REPORTS OF INTEREST

Source	Title	Website or Contact
<i>Environmental Science &amp; Technology</i> 2009;43(17):6875–6881	Effects of Idle Reduction Technologies on Real World Fuel Use and Exhaust Emissions of Idling Long-Haul Trucks	<a href="http://pubs.acs.org/doi/abs/10.1021/es900186e">http://pubs.acs.org/doi/abs/10.1021/es900186e</a>
CARB	Technical Evaluation of Options to Reduce Locomotive and Railyard Emissions	<a href="http://www.arb.ca.gov/railyard/ted/ted.htm">http://www.arb.ca.gov/railyard/ted/ted.htm</a>

## OTHER NEWS OF INTEREST

### *Anti-Idling Technology: Measurable Benefits for Dallas Police Department*

In Dallas, Texas, the police department is reducing engine idling — and saving money — by using Energy Xtreme’s Independence Package™. The Independence Package, a power management system that allows a car’s electrical system to operate while the gasoline engine is turned off, is a power cell that requires no fuel and no maintenance and has no moving parts. “The Independence Package allows us to have our electrical systems running at the scene of a crime without having to leave the vehicle running,” said Lt. Dale Barnard of the Dallas Police Department (DPD). “That’s good for several reasons: We don’t run the risk of running out of gas, we don’t run the risk of the car being stolen and we aren’t pumping unnecessary emissions into the air.”

According to a Reuters press release, the DPD used the Independence Package for an average of 4.85 hours per day over a 30-day period. Assuming 300 work days per year, a gas price of \$3.26 per gallon, and 0.75 gallon of gas burned per hour while the vehicle idles, the department saves \$11.86 per day in fuel costs and \$3,131 per year per vehicle. More information is available at [http://www.energyxtreme.net/main/index.php?option=com\\_content&view=article&id=22&Itemid=58](http://www.energyxtreme.net/main/index.php?option=com_content&view=article&id=22&Itemid=58) and <http://www.reuters.com/article/pressRelease/idUS211693+03-Sep-2009+BW20090903>.

### *American Lung Association in Vermont Secures Idling Reduction Grant*

The American Lung Association in Vermont received a grant from Vermont’s Department of Environmental Conservation to initiate a

regional idling reduction campaign, tentatively called the Vermont Business Idle-Free Campaign. The campaign will target commercial



diesel fleet operators in Chittenden and Rutland counties. Wayne Michaud, Director of Idle-Free VT, will be project coordinator. The

website [http://www.idlefreevt.org/media\\_news.index.html](http://www.idlefreevt.org/media_news.index.html) contains more information.

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### *Iowa's New Clean Cities Resource*

The Iowa Clean Cities Coalition has launched a new website focused on providing information about clean transportation technologies. The website provides up-to-date information on alternative fuels and

vehicles, fuel economy, hybrids, as well as idle reduction technologies. Please see <http://www.iowacleancities.org> for more information.

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## **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](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.

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### *Tools Now Available to Calculate 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 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](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](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>)
- Kim Hotstart (<http://www.kimhotstart.com/66/>)
- 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/ldling/idlingimpact-workplace.cfm?attr=16>)
- Teleflex APUs ([http://www.teleflexpower.com/tb\\_idle\\_calculator\\_usapu.php](http://www.teleflexpower.com/tb_idle_calculator_usapu.php))
- Teleflex auxiliary heaters ([http://www.teleflexpower.com/tb\\_idle\\_calculator\\_usheater.php](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](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.

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## Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities, updated in June 2009, are available at [http://atri-online.org/index.php?option=com\\_content&view=article&id=164&Itemid=70](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.

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## 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](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 Websites Show 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 34 States. CabAire, IdleAire, Shorepower Technologies, and EnviroDock installations are listed in this locator. Please go to [http://www.afdc.energy.gov/afdc/progs/tse\\_listings.php](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](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 is based on one created by the Federal Highway Administration in 2008, and we have updated it as we have 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 Enforcement of 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
<b>Alabama</b>	District of Columbia	<b>Kansas</b>	Mississippi	<b>New York</b>	South Carolina	West Virginia
<b>Alaska</b>	Florida	Kentucky	Missouri	North Carolina	South Dakota	Wisconsin
<b>Arizona</b>	Georgia	Louisiana	Montana	North Dakota	Tennessee	Wyoming
<b>Arkansas</b>	Hawaii	Maine	Nebraska	Ohio	Texas	
<b>California</b>	Idaho	Maryland	Nevada	Oklahoma	Utah	
<b>Colorado</b>	Illinois	Massachusetts	New Hampshire	Oregon	Vermont	
<b>Connecticut</b>	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
<b>Delaware</b>	Iowa	Minnesota	New Mexico	Rhode Island	Washington	

States in **black** allow the 400-lb weight exemption; States in **gray** do not permit the exemption.



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