

# National Idling Reduction Network News

March 2012

## SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	<a href="http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8">http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8</a>
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	<b>\$57,000 (as of March 27, 2012)</b>	First come, first served.	<a href="http://daq.state.nc.us/motor/Rebates/">http://daq.state.nc.us/motor/Rebates/</a>
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>
Efficiency Maine	Small Business Low Interest Loan Program	Indeterminate	Rolling deadline until funds are awarded.	<a href="http://www.energymaine.com/at-work-for-small-business/loan-programs">http://www.energymaine.com/at-work-for-small-business/loan-programs</a>
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	<a href="http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html">http://www.pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html</a>
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	<a href="http://www.turnyourengineoff.org/campaign_recognition.html">http://www.turnyourengineoff.org/campaign_recognition.html</a>
Utah Department of Environmental Quality	Utah Clean Diesel Program	Indeterminate	Rolling deadline until funds are awarded.	<a href="http://www.cleandiesel.utah.gov/">http://www.cleandiesel.utah.gov/</a>
Federal Transit Administration (FTA)	Clean Fuels Grant Program	\$51.5 million	April 5, 2012	<a href="http://fta.dot.gov/grants/13077_14329.html">http://fta.dot.gov/grants/13077_14329.html</a>

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Energy Commission (CEC)	Energy Innovations Small Grant Transportation Program—Electricity	Indeterminate	<b>April 11, 2012</b>	<a href="http://www.energy.ca.gov/contracts/smallgrant/index.html">http://www.energy.ca.gov/contracts/smallgrant/index.html</a>
<b>Port of Long Beach and Port of Los Angeles</b>	<b>San Pedro Bay Ports Clean Air Action Plan Air Quality Awards (nominations sought)</b>	N/A	<b>April 27, 2012</b>	<a href="http://www.cleanairactionplan.org/about/awards.asp">http://www.cleanairactionplan.org/about/awards.asp</a>
<b>U.S. Department of Energy (DOE)</b>	<b>Zero Emission Cargo Transport Demonstration</b>	<b>\$10 million</b>	<b>May 15, 2012</b>	<a href="https://eere-exchange.energy.gov/default.aspx#97e671e8-6b9a-4fd9-89c2-23b19f813709">https://eere-exchange.energy.gov/default.aspx#97e671e8-6b9a-4fd9-89c2-23b19f813709</a>
<b>Nebraska Department of Environmental Quality</b>	<b>Expanded Clean Diesel Rebate Program</b>	Indeterminate	<b>May 31, 2012</b>	<a href="http://www.deq.state.ne.us/AirDivis.nsf/Pages/DERA">http://www.deq.state.ne.us/AirDivis.nsf/Pages/DERA</a>
Maryland Energy Administration	Maryland Idle Reduction Grant Program	\$225,000	June 1, 2012	<a href="http://energy.maryland.gov/Transportation/idle/">http://energy.maryland.gov/Transportation/idle/</a>
New York State Energy Research and Development Authority (NYSERDA)	2011 Electric Vehicle Supply Equipment (EVSE) Demonstration and Support Program	~\$4 million	July 25, 2012	<a href="http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx">http://www.nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2301-2011-Electric-Vehicle-Supply-Equipment-EVSE-Demonstration-and-Support-Program.aspx</a>
Ohio Environmental Protection Agency (EPA)	Clean Diesel School Bus Fund Retrofit Grants Program	\$300,000	<b>September 1, 2012</b>	<a href="http://www.epa.ohio.gov/oeef/schoolbus.aspx">http://www.epa.ohio.gov/oeef/schoolbus.aspx</a>
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	<a href="https://csswebform.org/WebForm/TSE_home.aspx">https://csswebform.org/WebForm/TSE_home.aspx</a>

## REGULATORY NEWS

### Utah's Anti-Anti-Idling Bill Becomes Law

A bill that limits the power of local highway authorities to regulate a number of vehicle-related issues, including engine idling, made swift

progress through the Utah legislature and was signed by Governor Gary Herbert on March 26. House Bill (HB) 104 prohibits local highway

authorities from enacting idling ordinances unless the ordinance meets certain requirements. To have legal standing, the ordinance must:

- Be primarily educational;
- Provide that a motorist be issued at least three warning citations before receiving a fine;
- Have the same fine structure as that of parking violations; and
- Provide for the safety of law enforcement personnel who enforce the ordinance.

The bill also states that the ordinance may be enforced only on public property (e.g., it may not be enforced on residential driveways) or private

property that is open to the general public. However, if a business with drive-through windows posts a sign “informing its customers and the public of the local highway authority’s time limit for idling,” that property is exempt from enforcement.

Two cities in Utah currently have idling restrictions on their books. Park City has a 3-minute idling limit, and Salt Lake City passed a 2-minute idling ordinance just last fall. The new law goes into effect on May 8, 2012. The text of the bill as enrolled is available at <http://le.utah.gov/~2012/bills/hbillenr/hb0104.htm>.

## West Virginia Scratches Exemption Expiration

A temperature exemption to West Virginia’s heavy-duty (10,000+) idling law that was set to expire on May 1, 2012, will remain in place. Governor Tomblin has signed Senate Bill (SB) 544, which removes the expiration date on the exemption. Although the bill originally extended the exemption until May 1, 2017, when it was introduced in February, the version enrolled in March shows no expiration date. Drivers operating trucks when the temperature is below 40°F or above 75°F will continue to be exempt from the idling law.

West Virginia’s 15-minute idling law was passed in 2010. For more information, please see <http://www.landlinemag.com/Story.aspx?StoryID=23352>. The link [http://www.legis.state.wv.us/Bill\\_Status/bills\\_text.cfm?billdoc=sb544%20enr.htm&yr=2012&sesstype=RS&billtype=B&houseorig=S&i=544](http://www.legis.state.wv.us/Bill_Status/bills_text.cfm?billdoc=sb544%20enr.htm&yr=2012&sesstype=RS&billtype=B&houseorig=S&i=544) contains the text of SB 544 as enrolled.

## AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Harrison Hills City School District (Harrison County, Ohio)	Ohio EPA	Purchase and installation of E-Guardian heaters (Espar) for 26 school buses	\$55,000
Schneider National	Leonardo Academy	Emission reduction projects, including the purchase and installation of low-rolling resistance tires, side skirts, and battery air conditioners	\$197,600

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Southwest Detroit Environmental Vision of Detroit	Michigan Department of Environmental Quality	Purchase and installation of cleaner-running marine engines and idle reduction equipment	\$95,919

## REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Automotive Engineering Online	AGM Battery Takes Primary Role for Idle Stop-Start in Microhybrids	<a href="http://www.sae.org/mags/AEI/10667">http://www.sae.org/mags/AEI/10667</a>
EPA	Agency Information Collection Activities; Proposed Collection; Comment Request; Diesel Emissions Reduction Act (DERA) Rebate Program	<a href="https://www.federalregister.gov/articles/2012/02/29/2012-4844/agency-information-collection-activities-proposed-collection-comment-request-diesel-emissions">https://www.federalregister.gov/articles/2012/02/29/2012-4844/agency-information-collection-activities-proposed-collection-comment-request-diesel-emissions</a>
National Conference of State Legislatures	Transportation Energy for the Future: A Guide for Policymakers	<a href="http://www.ncsl.org/documents/energy/tranenergyfuture.pdf">http://www.ncsl.org/documents/energy/tranenergyfuture.pdf</a>

## UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
<b>CARB Public Workshop: Development of the AB 118 Air Quality Improvement Program (AQIP) Funding Plan for Fiscal Year 2012–13</b>	<b>Sacramento, California (also Webcast)</b>	<b>April 10, 2012</b>	<a href="http://www.arb.ca.gov/msprog/mailouts/msc1205/msc1205.pdf">http://www.arb.ca.gov/msprog/mailouts/msc1205/msc1205.pdf</a>
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 14–17, 2012	<a href="http://www.actexpo.com/index.html">http://www.actexpo.com/index.html</a>
2012 DOE Hydrogen and Fuel Cells and Vehicle Technologies Programs Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 14–18, 2012	<a href="http://www.annualmeritreview.energy.gov">http://www.annualmeritreview.energy.gov</a>
Government Fleet Expo & Conference (GFX)	Denver, Colorado	June 18–20, 2012	<a href="http://www.governmentfleetexpo.com/">http://www.governmentfleetexpo.com/</a>
Greener Global Transport: 5th International Environmentally Friendly Vehicle Conference	Baltimore, Maryland	September 10–12, 2012	<a href="http://www.regonline.com/builder/site/default.aspx?EventID=998283">http://www.regonline.com/builder/site/default.aspx?EventID=998283</a>
Hybrid Truck Users Forum (HTUF) National Conference 2012	Charlotte, North Carolina	September 17–20, 2012	<a href="http://www.calstart.org/Events/CALSTART-Events/HTUF-National-Conference.aspx">http://www.calstart.org/Events/CALSTART-Events/HTUF-National-Conference.aspx</a>

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Green Fleet Conference	Schaumburg, Illinois	October 2–3, 2012	<a href="http://www.greenfleetconference.com/Page/Overview.aspx">http://www.greenfleetconference.com/Page/Overview.aspx</a>
<b>18th Directions in Engine-Efficiency and Emissions Research (DEER) Conference</b>	<b>Dearborn, Michigan</b>	<b>October 16–19, 2012</b>	<a href="http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html">http://www1.eere.energy.gov/vehiclesandfuels/resources/conferences/deer/index.html</a>
Transportation Research Board (TRB) 92nd Annual Meeting	Washington, D.C.	January 13–17, 2013	<a href="http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx">http://www.trb.org/AnnualMeeting2013/AnnualMeeting2013.aspx</a>

## MANUFACTURERS' NEWS

### Idle Free Systems Electric APU Available for New Volvo Sleeper Trucks

The Idle Free Systems (Madison, Wisconsin) electric APU is now available on all new Volvo sleeper trucks through the Volvo New Vehicle Option Center. The Idle Free electric APU system, which is EPA SmartWay verified and CARB compliant, runs on alternating current, providing power for HVAC and

ancillary equipment without relying on the truck's starter batteries. The APU is powered by four absorbed glass mat (AGM) batteries and is shorepower compatible. More information, including a video, about the Idle Free System Electric APU is available at <http://idlefreesystems.com/>.

### Bergstrom Marks 30,000th NITE

Bergstrom recently marked a manufacturing milestone—the production of its 30,000th NITE (No-Idle Thermal Environment) system. The landmark unit, a NITE Phoenix, was produced at Bergstrom's newest assembly plant in Rockford, Illinois. Bergstrom celebrated the 20,000-unit milestone just last May. The NITE no-idle system has been in production since 2003.

The NITE Phoenix is the newest of the manufacturer's battery-powered, no-idle systems. Bergstrom also produces the NITE Plus and NITE Day Cab. According to the manufacturer, the NITE system can annually reduce an average truck's fuel use by as much as 3,790 gallons and save more than \$15,000 in fuel costs and maintenance. The NITE Phoenix is CARB approved and EPA SmartWay verified. For more information, please go to [www.nitesystem.com](http://www.nitesystem.com).

## ELECTRIFIED PARKING SPACES

### MediDock: Wayside Power for Ambulances

In Brattleboro, Vermont, patients and staff in and near Brattleboro Memorial Hospital's emergency room now breathe cleaner air. In an EPA-funded pilot project, the hospital has installed MediDock power pedestals manufactured by Craufurd Manufacturing (Belchertown, Massachusetts). Ambulances delivering patients no longer need to run the engine to support electrical needs when stopped; they may draw power from a MediDock unit. (Ambulances require power when stationary not only to provide temperature control for the cabin, but to keep sensitive medical equipment and stored medicines at the proper temperatures, as well as to keep equipment properly charged.)



The MediDock units contain an electrical cord on a retractable reel, which keeps the cord out of the way when the unit is not in use and protects it from snow and ice in winter. In addition to electricity, the units provide an air duct that can deliver either warm or cool air to the cab. The benefits of turning off the engine include not only fuel savings and reduction of engine wear, but improved air quality, an indisputable benefit near hospital emergency rooms.

Craufurd Manufacturing also produces the AireDock system (<http://www.airedock.com/>), a similar wayside power option for long-haul truckers seeking no-idling HVAC and ancillary power during rest periods.

The pilot ambulance-power project was funded by a DERA grant to the Vermont Department of Environmental Conservation, which in turn funded the installations at Brattleboro Memorial Hospital. For more information on the project, please see [http://www.sentinelsource.com/news/local/anti-idling-program-a-first-for-hospital/article\\_c17310e3-afa7-5267-8fa3-e283debdde2c.html](http://www.sentinelsource.com/news/local/anti-idling-program-a-first-for-hospital/article_c17310e3-afa7-5267-8fa3-e283debdde2c.html). (Photo: An emergency responder connects his ambulance to a MediDock unit at Brattleboro Memorial Hospital. Photo courtesy of Craufurd Manufacturing)

## IdleAir: Two New Locations Open in Arizona

IdleAir has opened two new sites along I-10 in Eastern Arizona, one adjacent to Love's Travel Stop in Benson, and the other at Sunmart in San Simon. Through April 30, IdleAir is offering full premium service for \$1.25/hour (plus tax). According to IdleAir, the company now operates 26 sites, with nearly 2,000 installed parking spaces, in 12 states.

In 2012, IdleAir plans to add at least 10 new sites on key trucking corridors. The new locations will be in California, Ohio, Louisiana, Virginia, and Pennsylvania, as well as the cities of Houston, Dallas, and Denver. Please see <http://www.idleair.com/news/press-release-at-the-2012-mid-america-trucking-show/> for more information.

## OTHER NEWS OF INTEREST

### NCI and NIOSH Study: High Diesel-Exhaust Exposure Linked to Lung Cancer

A study performed by researchers from the National Cancer Institute (NCI) and the National Institute for Occupational Safety and Health (NIOSH) has found a relationship between exposure to high levels of diesel exhaust and the development of lung cancer among workers in underground mines. The *Journal of the National Cancer Institute* published two articles on the results of this study in early March.

Investigators examined the risk of lung cancer among 12,315 workers at eight underground (nonmetal) mining facilities where diesel equipment is used. (Underground mines are much more "closed" environments than other occupational settings where diesel equipment is used. Nonmetal mines were chosen for the study to reduce the number of potentially confounding factors.) They found that the risk of lung cancer among heavily exposed underground workers was five times higher than that among workers in the lowest exposure category. When the investigators factored in smoking and other risks associated with lung cancer, the data showed a threefold risk of lung cancer death overall and about a fivefold risk for the heavily exposed underground workers. Nonsmokers with the highest

exposure levels were seven times more likely to die from lung cancer than were nonsmokers in the lowest exposure category.

Joseph F. Fraumeni, Jr., M.D., director of NCI's Division of Cancer Epidemiology and Genetics, commented, "This landmark study has informed on the lung cancer risks for underground mine workers, but the findings suggest that the risks may extend to other workers exposed to diesel exhaust in the United States and abroad, and to people living in urban areas where diesel exhaust levels are elevated."

The NCI is part of the National Institutes of Health, and NIOSH is part of the Centers for Disease Control and Prevention. Please see <http://www.cancer.gov/newscenter/pressreleases/2012/DieselMinersPressRelease> for more information. The link <http://www.cancer.gov/newscenter/pressreleases/2012/DieselMinersQandA> contains more detail about the study, including comments on extrapolating for the effects of lower levels of exposure to diesel exhaust.

## Idling Hazard: Carbon Monoxide Poisoning

One of the less-often-discussed dangers associated with vehicle idling is the risk of carbon monoxide poisoning. In February, *Land Line* published an article describing a truck driver who, after waking up very confused at an Indiana rest stop, admitted himself to a hospital where he tested positive for CO poisoning. Although the trucker admitted that he could not be certain, he believed that the source of the CO was a truck parked next to him, which he described as having “weed burner” (undercarriage) exhaust. In an informal web poll conducted by *Land Line*, only 17% of respondents said that their cabs were equipped with CO detectors.

The issue is not restricted to long-haul truck drivers. In the past few years, a new kind of passenger car CO hazard—one associated with keyless ignition—has been identified. Keyless ignition not only facilitates prolonged, unnecessary idling, but increases the possibility that a car operator will forget that a vehicle has been left running. The danger of CO poisoning may be especially great for those who own cars with quiet engines and live in homes with attached garages. Early in March, a Boca Raton, Florida, couple

was found dead with evidence that one of their cars, which had keyless ignition, had been left running all night. Examiners determined that CO poisoning caused both deaths. In August 2010, a similar death occurred in the same city.

In the December 12, 2011, *Federal Register*, the National Highway Traffic Safety Administration (NHTSA) published a Notice of Proposed Rulemaking on the need for additional safety features, such as audible alerts, for vehicles with keyless ignition. An automatic engine shutoff feature, however, was not among the features recommended.

Please see <http://www.landlinemag.com/Story.aspx?StoryID=22738> and [http://articles.sun-sentinel.com/2012-03-16/news/fl-carbon-monoxide-cars-20120313\\_1\\_carbon-monoxide-keyless-ignition-keyless-systems](http://articles.sun-sentinel.com/2012-03-16/news/fl-carbon-monoxide-cars-20120313_1_carbon-monoxide-keyless-ignition-keyless-systems) for more information. The NHTSA’s proposed rulemaking can be found at <http://www.gpo.gov/fdsys/pkg/FR-2011-12-12/html/2011-31441.htm>.

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## RECURRING FEATURES

### Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the U.S. DOE’s Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idling reduction equipment and provides links to their websites. More information is available at

[http://www.afdc.energy.gov/afdc/vehicles/idle\\_reduction\\_equipment.html](http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html). For EPA-verified idling reduction technologies in eight categories, please visit EPA’s SmartWay Transport website at <http://www.epa.gov/smartway/technology/idling.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, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be 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)						
<b>Alabama</b>	<i>District of Columbia</i>	<b>Kansas</b>	<b>Mississippi*</b>	<b>New York</b>	<b>South Carolina</b>	<b>West Virginia</b>
<b>Alaska</b>	<b>Florida</b>	<i>Kentucky</i>	<b>Missouri</b>	<i>North Carolina</i>	<b>South Dakota*</b>	<b>Wisconsin</b>
<b>Arizona</b>	<b>Georgia</b>	<b>Louisiana*</b>	<b>Montana*</b>	<b>North Dakota</b>	<i>Tennessee</i>	<b>Wyoming*</b>
<b>Arkansas*</b>	<i>Hawaii</i>	<b>Maine</b>	<b>Nebraska</b>	<b>Ohio*</b>	<b>Texas</b>	
<i>California</i>	<b>Idaho*</b>	<b>Maryland</b>	<b>Nevada*</b>	<b>Oklahoma</b>	<b>Utah*</b>	
<b>Colorado</b>	<b>Illinois</b>	<b>Massachusetts*</b>	<b>New Hampshire</b>	<b>Oregon</b>	<b>Vermont*</b>	
<b>Connecticut</b>	<b>Indiana</b>	<b>Michigan*</b>	<b>New Jersey*</b>	<b>Pennsylvania</b>	<b>Virginia</b>	
<b>Delaware</b>	<b>Iowa*</b>	<b>Minnesota</b>	<b>New Mexico</b>	<i>Rhode Island</i>	<b>Washington</b>	

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 Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at [http://www.atrionline.org/research/idling/ATRI\\_Idling\\_Compndium](http://www.atrionline.org/research/idling/ATRI_Idling_Compndium) and [http://www.afdc.energy.gov/afdc/progs/all\\_state\\_summary.cgi?afdc/0](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 Clean Cities initiative 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](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 <http://northeastdiesel.org/funding.html>; Mid-Atlantic Diesel Collaborative (Region 3), <http://www.dieselmideatlantic.org/diesel/funding.htm>; Southeast Diesel Collaborative (Region 4),

<http://www.southeastdiesel.org/funding.html>; Midwest Clean Diesel Initiative (Region 5), <http://www.epa.gov/midwestcleandiesel/grants/index.html>; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), <http://www.blueskyways.org/funding/index.html>; Rocky Mountain Clean

Diesel Collaborative (EPA Region 8), <http://www.epa.gov/region8/air/rmcdc/>; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), <http://www.westcoastcollaborative.org/funding-opportunities.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

- Argonne National Laboratory (<http://www.transportation.anl.gov/engines/idling.html>—choose a calculator from the right side of the Web page)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- Bergstrom ([http://www.nitesystem.com/html/idle\\_calculator.cfm](http://www.nitesystem.com/html/idle_calculator.cfm))
- DOE Clean Cities program (<https://www.afdc.energy.gov/afdc/prep/index.php>)
- EPA (<http://www.epa.gov/smartwaylogistics/transport/calculators/index.htm>)
- **Energy Xtreme** (<http://www.energyxtreme.net/resources/calculator>)
- 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>)
- Hodyon (<http://www.hodyon.com/calculator.aspx>)

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 information that may be of possible interest to newsletter readers, please let us know.

- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Idle Free Systems (<http://idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html>)
- 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](http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idling_impact-workplace.cfm?attr=16))
- Odyssey Battery (<http://www.odysseybattery.com/fleet.html>)
- 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))

## Locations of Electrified Parking Spaces

In collaboration with the U.S. Department of Transportation (DOT), the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are currently available in at least 19 states. AireDock, CabAire,

EnviroDock, IdleAir, and Shorepower Technologies installations are listed at [http://www.afdc.energy.gov/afdc/progs/tse\\_listings.php](http://www.afdc.energy.gov/afdc/progs/tse_listings.php). Another resource is the EPA SmartWay Interactive Activity Map, which features data from SmartWay Partners, National Transportation Idle-Free Corridors, National

Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the locations 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](http://epamap10.epa.gov/website/irim_us_map.asp).

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## How To Find Back Issues of *National Idling Reduction Network News*

All issues of *National Idling Reduction Network News* may be found at [http://www.eere.energy.gov/vehiclesandfuels/resources/fcvt\\_national\\_idling.html](http://www.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 retyping the URL, in your browser window.

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