

# National Idling Reduction Network News

April 2011

## 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	<b>\$4.6 million (as of April 29, 2011)</b>	First come, first served.	<a href="http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project">http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project</a>
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	\$6 million (as of January 2011)	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/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	\$192,000	Rolling deadline until funds are awarded.	<a href="http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation">http://www.pca.state.mn.us/programs/sbom_loan.html#evaluation</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.turnyouengineoff.org/campaign_recognition.html">http://www.turnyouengineoff.org/campaign_recognition.html</a>
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$100,000	Rolling deadline—the last Friday of each month	<a href="http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp">http://www.nctcog.org/trans/air/programs/idling/DieselFreightIdling.asp</a>
<b>CARB</b>	<b>Hybrid Off-Road Equipment Pilot Project</b>	<b>\$2 million</b>	<b>May 9, 2011</b>	<a href="http://www.arb.ca.gov/msprog/mailouts/msc1107/msc1107solicitation.pdf">http://www.arb.ca.gov/msprog/mailouts/msc1107/msc1107solicitation.pdf</a>
<b>CARB</b>	<b>Locomotive Advanced Technology Demonstration Project</b>	<b>\$800,000</b>	<b>May 11, 2011</b>	<a href="http://www.arb.ca.gov/msprog/aqip/solicitations.htm">http://www.arb.ca.gov/msprog/aqip/solicitations.htm</a>
<b>Oregon Department of Environmental Quality</b>	<b>Request for Proposed Project Summaries for Potential Clean Diesel Projects</b>	<b>N/A</b>	<b>May 13, 2011</b>	<a href="http://www.deq.state.or.us/aq/diesel/notice.pdf">http://www.deq.state.or.us/aq/diesel/notice.pdf</a>

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Northwest Clean Air Agency (NWCAA)	Greenhouse Gas Mitigation Funding: Request for Information (RFI)	N/A	May 27, 2011	<a href="http://www.nwcleanair.org/pdf/ClimateChange/RFI_4-11-11.pdf">http://www.nwcleanair.org/pdf/ClimateChange/RFI_4-11-11.pdf</a>
Cascade Sierra Solutions	Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut)	~\$575,000 (as of March 9, 2011)	May 31, 2011	<a href="https://secure.cascadesierrasolutions.org/">https://secure.cascadesierrasolutions.org/</a>
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	<a href="http://www.trucksoftomorrow.com/pages/trucking/index.php">http://www.trucksoftomorrow.com/pages/trucking/index.php</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

### Maryland Passes Bill To Allow Additional Weight for Idling Reduction Devices

Maryland is the latest state to make quick work of passing an act that allows trucks equipped with idling reduction technology to weigh an additional 400 pounds. House Bill 110, which covered a number of vehicle-weight issues, was introduced in January, moved swiftly through the legislative chambers,

and was signed by Governor Martin O'Malley on April 12, 2011. The law will take effect October 1, 2011. To see the text of the bill, please go to <http://mlis.state.md.us/2011rs/billfile/HB0110.htm>.

### New Jersey's Sleeper Berth Idling Exemption Expires

In New Jersey, truck drivers will no longer be permitted to idle during rest periods unless their trucks have a functioning diesel particulate filter or an engine with a model year no older than 2007. After a 1-year extension, the sleeper berth exemption expired on April 30, 2011. Beginning on May 1, 2011, inspectors from the New Jersey Department of Environmental Protection (NJDEP) will visit truck stops, rest areas, and warehouse distribution centers to ensure adherence to the new rule. According to the agency, noncompliance will result in "enforcement actions and civil

administrative penalty assessments for the property owner and the vehicle operator." For a first violation, the fine will be \$250. Fines of \$500 and \$1,000 will attend second and third (and subsequent) infractions, respectively.

New Jersey law prohibits diesel-powered vehicles from idling for more than 3 consecutive minutes. To read NJDEP's enforcement notice, please go to <http://www.nj.gov/dep/enforcement/advisories/2011-06.pdf>.

## AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Intelligent Imaging Systems (Edmonton, Alberta, Canada)	New York State Energy Research and Development Authority (NYSERDA)	Installation of electronic screening tools at a New York State Department of Transportation facility to identify trucks most likely to have inspection violations; the technology complements the facility's existing e-screening capabilities, which are designed to reduce truck idling during inspections	\$250,000
Larsen Engineers (Rochester, New York)	NYSERDA	Testing of a 12-volt battery pack that would power the heating, air conditioning (A/C), computers, radio, and other accessories in police cars and municipal trucks, reducing the need for engine idling	\$17,000
Power Drives Inc. (Buffalo, New York) with New West Technologies (Utica, New York)	NYSERDA	Development and demonstration of a system to keep locomotive engine systems warm without the need to idle; the system drives a heater and coolant circulation pump and charges the locomotive's batteries	\$250,000
Nakanishi Research and Consulting (Rego Park, New York) with KLD Associates (Hauppauge, New York) and VidSys (Vienna, Virginia)	NYSERDA	Creation of a system that reduces emissions by integrating traffic signals, variable message signs, speed cameras, and other devices to improve travel efficiency and reduce idling time	\$15,000
Shorepower Technologies (Utica, New York) with Cascade Sierra Solutions (Eugene, Oregon)	NYSERDA	Installation and testing of 72 truck stop electrification (TSE) stations at three New York State truck stops	\$250,000

## REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Department of the Interior, Environment, and Related Agencies	Report to Congress on Black Carbon: External Peer Review Draft	<a href="http://yosemite.epa.gov/sab/sabproduct.nsf/0/05011472499C2FB28525774A0074DADE/\$File/BC%20RTC%20External%20Peer%20Review%20Draft-opt.pdf">http://yosemite.epa.gov/sab/sabproduct.nsf/0/05011472499C2FB28525774A0074DADE/\$File/BC%20RTC%20External%20Peer%20Review%20Draft-opt.pdf</a>
Leonardo Academy	Public Comment Draft of Leonardo Academy Standard for Emissions Inventories, Offsets, and Reduction Credits Being Developed under ANSI PINS Announcement: LEO-5000	<a href="http://www.leonardoacademy.org/services/standards/emissions-standards.html">http://www.leonardoacademy.org/services/standards/emissions-standards.html</a>
Society of Automotive Engineers International	CoolCalc: A Long-Haul Truck Thermal Load Estimation Tool	<a href="http://papers.sae.org/2011-01-0656/">http://papers.sae.org/2011-01-0656/</a>
Science of the Total Environment	A Multi-Site Analysis of the Association Between Black Carbon Concentrations and Vehicular Idling, Traffic, Background Pollution, and Meteorology During School Dismissals	<a href="https://doi.org/10.1016/j.scitotenv.2011.02.024">doi:10.1016/j.scitotenv.2011.02.024</a>

SOURCE	TITLE	WEBSITE OR CONTACT
U.S. EPA (EPA)	Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2009	<a href="http://www.epa.gov/climatechange/emissions/usinventoryreport.html">http://www.epa.gov/climatechange/emissions/usinventoryreport.html</a>
U.S. Government Accountability Office	Recovery Act: Energy Efficiency and Conservation Block Grant Recipients Face Challenges Meeting Legislative and Program Goals and Requirements	<a href="http://www.gao.gov/new.items/d11379.pdf">http://www.gao.gov/new.items/d11379.pdf</a>

## MANUFACTURERS' NEWS

### Dometic Introduces Battery-Powered A/C Option for Volvo Trucks

Dometic (Mechanicsville, Virginia) is now supplying battery-powered, “engine-off” A/C systems to Volvo Trucks North America for factory installation on Volvo VN sleeper model trucks. The 10,000 BTU/hr A/C system, which is CARB-compliant, is designed to run for more than 10 hours at a 100-percent duty cycle on battery power. The bank of eight absorbed

glass mat (AGM) batteries can be recharged in less than 6 hours of driving. The Dometic system consists of a condensing unit mounted outside the cab and a compressor-evaporator-fan unit under the bunk. More information is available at <http://dometic.com/enus/Americas/USA/Truck-News/Dometic-Battery-powered-AC-systems-to-be-installed-on-Volvo-Trucks/>.

### Hodyon Offers Lease Option for Dynasys APU

Hodyon has announced a new Dynasys APU leasing program for truck drivers. According to Hodyon Chief Executive Officer David Hancock, the lease payment is estimated to be equal to 40% to 55% of fuel costs the driver will save. The program is available through Fallbrook Technologies Inc., which recently acquired Hodyon. The Dynasys APU, which is SmartWay

verified, provides heating and A/C with 6 kW of power. It is also shore-power (110 volt) compatible. Please see <http://www.hodyon.com/apuleasing.aspx> for more information about the leasing program and <http://www.hodyon.com/auxiliarypower.aspx> for more about the Dynasys APU.

## UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
2011 DOE Hydrogen Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation Meeting	Arlington, Virginia	May 9–13, 2011	<a href="http://annualmeritreview.energy.gov">http://annualmeritreview.energy.gov</a>

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Transportation Research Board (TRB) 2011 Transportation Planning, Land Use, and Air Quality Conference	San Antonio, Texas	May 10–11, 2011	<a href="http://www.trb.org/Calendar/Blurbs/2011_Transportation_Planning_Land_Use_and_Air_Qual_164465.aspx">http://www.trb.org/Calendar/Blurbs/2011_Transportation_Planning_Land_Use_and_Air_Qual_164465.aspx</a>
<b>Clean Transportation Education Project: Idle Reduction/Fuel Economy Workshop</b>	<b>Flushing, New York</b>	<b>May 25, 2011</b>	<a href="http://www.ncsc.ncsu.edu/cleantransportation/altfueled/schedule.php">http://www.ncsc.ncsu.edu/cleantransportation/altfueled/schedule.php</a>
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	<a href="http://www.governmentfleetexpo.com/">http://www.governmentfleetexpo.com/</a>
2011 TRB Joint Summer Meeting: Future Directions for the Federal Transportation Programs	Boston, Massachusetts	July 10–13, 2011	<a href="http://www.trb.org/Main/Blurbs/2011_TRB_Joint_Summer_Meeting_164066.aspx">http://www.trb.org/Main/Blurbs/2011_TRB_Joint_Summer_Meeting_164066.aspx</a>
Clean Transportation Education Project: Idle Reduction/Fuel Economy Workshop	Knoxville, Tennessee	July 13, 2011	<a href="http://www.ncsc.ncsu.edu/cleantransportation/altfueled/schedule.php">http://www.ncsc.ncsu.edu/cleantransportation/altfueled/schedule.php</a>
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	<a href="http://www.greenfleetconference.com/">http://www.greenfleetconference.com/</a>
<b>SAE 2011 Light-Duty Diesel Emissions Control Symposium</b>	<b>Ann Arbor, Michigan</b>	<b>November 2–3, 2011</b>	<a href="http://www.sae.org/events/training/symposia/lddec/">http://www.sae.org/events/training/symposia/lddec/</a>

## ELECTRIFIED PARKING SPACES

### Delaware Welcomes Second TSE Site

The Smyrna, Delaware, rest area is newly equipped with 24 electrified parking spaces for trucks. Drivers may hook up to a CabAire pedestal for heating, cooling, and Internet service. A partnership between the Delaware Department of Natural Resources and Environmental Control (DNREC) and the Delaware Department of Transportation, the project was funded by a 2009 \$547,530 EPA Recovery Act grant to DNREC.

To use the service, truck drivers pay an initial fee of \$20 for a window adapter and 8 hours of usage time. They may purchase additional time for \$2.50/hour. Idling a heavy-duty truck for an hour uses about 1 gallon of diesel fuel, which currently costs around \$4 per gallon.

In Delaware, idling a heavy-duty truck for more than 3 minutes is, in most cases, prohibited. Only if such a vehicle is not within 25 miles of a facility

with truck-stop electrification capability is idling permitted to run heating, A/C, and ancillary equipment during a rest period. At a Smyrna rest area press conference on April 19, 2011, DNREC Secretary Collin O'Mara said that if just half of the electrified parking spaces are used for 10 hours a day, 44,000 gallons of diesel fuel will be saved and 500 tons of carbon dioxide emissions eliminated annually.

This is the state's second TSE site. Last summer, a privately operated travel plaza on Delaware's I-95 was equipped with 50 CabAire TSE units. For more information about the Smyrna rest area, please see [http://www.cecilwhig.com/content/tncms/live/cecilwhig.com/business/article\\_fc421980-6c51-11e0-bd74-001cc4c03286.html](http://www.cecilwhig.com/content/tncms/live/cecilwhig.com/business/article_fc421980-6c51-11e0-bd74-001cc4c03286.html).

## PowerStop™ Flush-Grade TSE Enters the TSE Market

In eastern Ontario, Canada, the 730 Truck Stop is offering truck drivers a new take on TSE. The PowerStop site, designed and managed by Canada-based Longhaul TSE, allows truck drivers to access electrical power not via conventional pedestals but via a flush-grade system (the infrastructure for which is underground). In a setup similar to that provided for recreational vehicles, truck drivers use a standard extension cord to plug in for power.

For Can\$2.00 an hour, drivers may plug in their truck's block heater, provide power to the cab and sleeper berth, and access the internet. Alternatively, for Can\$1.00 per hour, the driver may arrange to have the block heater turned on at a preset time to warm the engine before startup.

According to Ian Hough of Longhaul TSE, PowerStop can be installed at truck stops, rest areas, rail yards, seaports, warehouses, and big box stores. The connections can be provided above ground with pedestals or below ground with the patent-pending PowerStop technology. Longhaul TSE is a privately owned, Canada-based company that designs, installs, manages, and maintains electric parking infrastructures under the PowerStop brand.

Please see [www.longhaultse.com](http://www.longhaultse.com) and <http://www.todaystrucking.com/news.cfm?intDocID=25623> for more information Sources: Joe Tario, NYSERDA, and Ian Hough, Longhaul TSE (Photo: Courtesy of Longhaul TSE)



## IdleAIR Offers “Home Away from Home” Rates

IdleAIR, which currently has 21 sites in nine states, has announced a special pricing plan for truck drivers facing long layovers. After the first 10 hours of service use, the hourly fee is reduced from \$1.99 to \$1.25. (All hours must

be consecutive.) The link <http://www.idleair.com/promos/extended-stay/> contains more information about the plan.

## PORTS

### Shore Power Comes To Brooklyn

The first East Coast terminal to be shore power–equipped will be the Brooklyn Cruise Terminal, thanks to a long-awaited power-rate agreement reached in April by the New York Power Authority (NYPA) and the Port Authority of New York and New Jersey (PANYNJ). According to the *New York Times*, Carnival Corporation, whose ships dock at the terminal, will pay 12 cents per kilowatt hour, while the New York City Economic Development Corporation (NYCEDC) and the NYPA will divide the remaining 16 cents. The agreement is for a term of 5 years.

Construction for the shoreside infrastructure, which will begin this summer, is scheduled to be complete by year end. The project is funded by \$12 million from PANYNJ and a \$2.9 million Recovery Act grant from EPA. Carnival Cruise Lines will retrofit ships at a cost of about \$4 million.

When cruise ships dock—which they may do for more than 10 hours at a time—they typically run engines powered by high-sulfur diesel fuel. Shore power allows the ships to shut off their engines and plug in to the grid. According to a statement issued by New York Mayor Michael Bloomberg’s office, the Brooklyn shore power installation will nearly eliminate 1,500 tons of carbon dioxide, 95 tons of nitrogen oxides, and 6.5 tons of particulate matter, annually.

The Brooklyn Cruise Terminal is owned by PANYNJ and managed by NYCEDC. More information is available at

<http://cityroom.blogs.nytimes.com/2011/04/13/cruise-ships-in-brooklyn-to-plug-in-on-shore/> and <http://www.mikebloomberg.com/index.cfm?objectid=507C6B61-C29C-7CA2-F8E3F8F34909BCA0>. (Photo: Cruise ship at the Brooklyn Cruise Terminal spews exhaust. Photo by Joshua Kristal, courtesy of *South Brooklyn Post*, <http://southbrooklynpost.com/news-views/cruise-ship-air-pollutio/>.)



## OTHER NEWS OF INTEREST

### DOE Launches National Clean Fleets Partnership Program

As part of its Vehicle Technology Program's Clean Cities initiative, the Department of Energy (DOE) has established a partnership between the Federal Government and leading companies to reduce petroleum use. AT&T, FedEx, PepsiCo, UPS, and Verizon, the five charter members, represent five of the nation's 10 largest national fleets. Collectively, these companies own and operate more than 275,000 vehicles. With their adherence to National Clean Fleets strategies, the companies will together

deploy more than 20,000 advanced technology vehicles—and displace more than 7 million gallons of petroleum annually. They will also be able to collaborate with DOE and its national laboratories on research and development projects. The White House's fact sheet on the program is available at <http://www.whitehouse.gov/the-press-office/2011/04/01/fact-sheet-national-clean-fleets-partnership>.

### New Calculators and Worksheets on Idling Reduction Available

Argonne National Laboratory's Transportation Technology R&D Center website now offers some new and updated resources on idling reduction. New tools include idling reduction worksheets for light-duty vehicles in addition to heavy-duty vehicles, in both Excel and PDF formats. In cooperation with DOE's Clean Cities initiative, Argonne has produced communication products that can be used to help educate motorists about the benefits of idling reduction. Both a fact sheet, "Idling Is Not the Way To Go," and a bookmark-sized information card, "You Hold the Key To Being

Idle Free," are available. The latter is also available as a customizable electronic file that enables users to add their own state and local idling regulations. To see these products and other information on idling reduction, please go to [http://www.transportation.anl.gov/engines/idling\\_tools.html](http://www.transportation.anl.gov/engines/idling_tools.html). The idling reduction Web pages of DOE's Alternative Fuels and Advanced Vehicles Data Center website have also updated; please click on [http://www.afdc.energy.gov/afdc/vehicles/idle\\_reduction.html](http://www.afdc.energy.gov/afdc/vehicles/idle_reduction.html) for more.

### Clean Cities TV Features Idling Reduction

The DOE's Clean Cities initiative now has an Internet TV channel that features prerecorded and live content about Clean Cities and its mission to reduce petroleum consumption through the use of alternative and renewable fuels, emerging technologies, and, of course, idling reduction and other fuel economy measures. The channel can be accessed by visiting

[www.CleanCities.TV](http://www.CleanCities.TV). To see the 10 segments related specifically to idling reduction, please go to <http://www.cleancities.tv/FeaturedContent/AlternativeFuelsVehiclesandTechnologies/IdleReduction.aspx>.



## RECURRING FEATURES

### Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) 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](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, 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)						
Alabama	<i>District of Columbia</i>	Kansas	Mississippi*	New York	South Carolina	West Virginia
Alaska	Florida	<i>Kentucky</i>	Missouri	<i>North Carolina</i>	South Dakota*	Wisconsin
Arizona	Georgia	Louisiana*	Montana*	North Dakota	<i>Tennessee</i>	Wyoming*
Arkansas*	<i>Hawaii</i>	Maine	Nebraska	Ohio*	Texas*	
<i>California</i>	Idaho*	Maryland	Nevada*	Oklahoma	Utah*	
Colorado	Illinois*	Massachusetts*	New Hampshire*	Oregon	Vermont*	
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia	
Delaware	Iowa*	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	

States in **black** allow the 400-lb weight exemption (asterisk means that the allowance is granted by enforcement policy rather than by state law); states in *gray* do not permit the exemption; and states in **brown** have legislation in process.

## Summary of State and Municipal Idling Regulations

The most current information about 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](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](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/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 idle-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 information that may be of possible interest to newsletter readers, please let us know.

- 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/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>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- 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))

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## Locations of Electrified Parking Spaces

In collaboration with the U.S. 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 available in at least 16 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, 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](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://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt\\_national\\_idling.htm](http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.htm). 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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