

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	Clean Vehicle Rebate Project	\$4.6 million (as	First come, first	http://energycenter.org/index.php/incentive
(CARB)		of April 29, 2011)	served.	-programs/clean-vehicle-rebate-project
CARB	On-Road Heavy-Duty Vehicle Loan	~\$48 million for	Rolling deadline until	http://www.arb.ca.gov/ba/loan/on-
	Program	Ioan guarantees	funds are awarded.	road/documents/hdvloanprogram.pdf
Climate Trust	Greenhouse Gas Offset Projects	\$6 million (as of	Rolling deadline until	http://www.climatetrust.org/apply.html
		January 2011)	funds are awarded.	
Efficiency Maine	Small Business Low Interest Loan	Indeterminate	Rolling deadline until	http://www.efficiencymaine.com/at-
	Program		funds are awarded.	work/for-small-business/loan-programs
Minnesota Pollution Control	Small Business Auxiliary Power Unit	\$192,000	Rolling deadline until	http://www.pca.state.mn.us/programs/sbo
Agency	(APU) Loan Program		funds are awarded.	mb_loan.html#evaluation
Metropolitan Washington Council	Driver Recognition Program—Diesel	N/A	Rolling deadline—the	http://www.turnyourengineoff.org/campaig
of Governments (COG), in	Idle Reduction Campaign		15th of every month.	n_recognition.html
collaboration with the District				
Department of the Environment,				
the District Department of				
Transportation, and the Maryland				
Department of the Environment				
North Central Texas Council of	Diesel Idling Reduction Program 2011	~\$100,000	Rolling deadline—the	http://www.nctcog.org/trans/air/programs/i
Governments (NCTCOG)			last Friday of each	dling/DieselFreightIdling.asp
			month	
CARB	Hybrid Off-Road Equipment Pilot	\$2 million	May 9, 2011	http://www.arb.ca.gov/msprog/mailouts/ms
	Project			c1107/msc1107solicitation.pdf
CARB	Locomotive Advanced Technology	\$800,000	May 11, 2011	http://www.arb.ca.gov/msprog/aqip/solicita
	Demonstration Project			tions.htm
Oregon Department of	Request for Proposed Project	N/A	May 13, 2011	http://www.deq.state.or.us/aq/diesel/notice
<b>Environmental Quality</b>	<b>Summaries for Potential Clean Diesel</b>			<u>.pdf</u>
	Projects			



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### National Idling Reduction Network News

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Α	pril	20	11

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Northwest Clean Air Agency (NWCAA)	Greenhouse Gas Mitigation Funding: Request for Information (RFI)	N/A	May 27, 2011	http://www.nwcleanair.org/pdf/ClimateChange/RFI 4-11-11.pdf
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	https://secure.cascadesierrasolutions.org/
Climate Change Central	Trucks of Tomorrow Rebate Program (Alberta, Canada)	Can\$2 million	December 31, 2011	http://www.trucksoftomorrow.com/pages/trucking/index.php
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	\$10+ million	March 31, 2013	https://csswebform.org/WebForm/TSE_hom_e.aspx

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

### REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Department of the	Report to Congress on Black Carbon: External Peer Review Draft	http://yosemite.epa.gov/sab/sabproduct.nsf/0/05011472499C2FB28
Interior, Environment,		525774A0074DADE/\$File/BC%20RTC%20External%20Peer%20Revie
and Related Agencies		w%20Draft-opt.pdf
Leonardo Academy	Public Comment Draft of Leonardo Academy Standard for Emissions	http://www.leonardoacademy.org/services/standards/emissions-
	Inventories, Offsets, and Reduction Credits Being Developed under	standards.html
	ANSI PINS Announcement: LEO-5000	
Society of Automotive	CoolCalc: A Long-Haul Truck Thermal Load Estimation Tool	http://papers.sae.org/2011-01-0656/
Engineers International		
Science of the Total	A Multi-Site Analysis of the Association Between Black Carbon	doi:10.1016/j.scitotenv.2011.02.024
Environment	Concentrations and Vehicular Idling, Traffic, Background Pollution,	
	and Meteorology During School Dismissals	



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Α	pril	20	11

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

#### **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 shorepower (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	Arlington, Virginia	May 9–13, 2011	http://annualmeritreview.energy.gov
Program Annual Merit Review and Peer Evaluation Meeting			



April 2011

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Transportation Research Board (TRB) 2011 Transportation	San Antonio, Texas	May 10–11, 2011	http://www.trb.org/Calendar/Blurbs/2011_Transportatio
Planning, Land Use, and Air Quality Conference			n Planning Land Use and Air Qual 164465.aspx
Clean Transportation Education Project:	Flushing, New York	May 25, 2011	http://www.ncsc.ncsu.edu/cleantransportation/altfueled
Idle Reduction/Fuel Economy Workshop			/schedule.php
Government Fleet Expo & Conference (GFX)	San Diego, California	June 6–8, 2011	http://www.governmentfleetexpo.com/
2011 TRB Joint Summer Meeting: Future Directions for the	Boston,	July 10-13, 2011	http://www.trb.org/Main/Blurbs/2011 TRB Joint Summ
Federal Transportation Programs	Massachusetts		er Meeting 164066.aspx
Clean Transportation Education Project: Idle Reduction/Fuel	Knoxville, Tennessee	July 13, 2011	http://www.ncsc.ncsu.edu/cleantransportation/altfueled
Economy Workshop			/schedule.php
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	http://www.greenfleetconference.com/
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	http://www.sae.org/events/training/symposia/lddec/

#### **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 <a href="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</a>.



April 2011

#### 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 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 <a href="http://www.idleair.com/promos/extended-stay/">http://www.idleair.com/promos/extended-stay/</a> 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-toplug-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 <a href="http://www.whitehouse.gov/the-press-office/2011/04/01/fact-">http://www.whitehouse.gov/the-press-office/2011/04/01/fact-</a> 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. 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 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. To see the 10 segments related specifically to idling reduction, please go to

http://www.cleancities.tv/FeaturedContent/AlternativeFuelsVehiclesandTechn ologies/IdleReduction.aspx.



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### **National Idling Reduction Network News**

April 2011

#### **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.

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

S	State Recognition of the 400-Pound Auxiliary Power Unit Exemption to GVW Limit: 23 CFR 658.17(n)						
Alabama	District of Columbia	Kansas	Mississippi*	New York	South Carolina	West Virginia	
Alaska	Florida	Kentucky	Missouri	North Carolina	South Dakota*	Wisconsin	
Arizona	Georgia	Louisiana*	Montana*	North Dakota	Tennessee	Wyoming*	
Arkansas*	Hawaii	Maine	Nebraska	Ohio*	Texas*		
California	Idaho*	Maryland	Nevada*	Oklahoma	Utah*		
Colorado	Illinois*	Massachusetts*	New Hampshire*	Oregon	Vermont*		
Connecticut	Indiana	Michigan*	New Jersey*	Pennsylvania	Virginia		
Delaware	lowa*	Minnesota	New Mexico	Rhode Island	Washington		

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



April 2011

#### **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 and http://www.afdc.energy.gov/afdc/progs/all state summary.cgi?afdc/0.

If information for your state or municipality is outdated or erroneous, please let us know. This newsletter is also a place to let people know about possible changes in laws or regulations or the solicitation of comments related to such.

#### **Incentives and Funding Opportunities for Idling Reduction Projects**

The DOE 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. 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 <a href="http://northeastdiesel.org/funding.html">http://northeastdiesel.org/funding.html</a>; Mid-Atlantic Diesel Collaborative

(Region 3), <a href="http://www.dieselmidatlantic.org/diesel/funding.htm">http://www.dieselmidatlantic.org/diesel/funding.htm</a>; 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

- Argonne National Laboratory
   (<a href="http://www.transportation.anl.gov/engines/idling.html">http://www.transportation.anl.gov/engines/idling.html</a>—choose a calculator from the right side of the Web page)
- Autotherm (<a href="http://autothermusa.com/wordpress/calculate-idling-costs-savings/">http://autothermusa.com/wordpress/calculate-idling-costs-savings/</a>)
- Bergstrom (http://www.nitesystem.com/html/idle\_calculator.cfm)
- DOE Clean Cities program (https://www.afdc.energy.gov/afdc/prep/index.php)

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.

- EPA (<a href="http://www.epa.gov/otaq/smartway/calculator/loancalc.htm">http://www.epa.gov/otaq/smartway/calculator/loancalc.htm</a>)
- Espar (http://www.espar.com/html/service/calculator/calculator.html)
- Fraser Basin Council
   (http://web.memberclicks.com/mc/page.do;jsessionid=d0301a9d9869f
   a88bfd51e50592a377d5d48?sitePageId=40919&orgId=clcc)
- Hotstart (<a href="http://www.hotstart.com/fuel-consumption-calculator/">http://www.hotstart.com/fuel-consumption-calculator/</a>)
- Kenworth (<a href="http://www.kenworth.com">http://www.kenworth.com</a>)



April 2011

- Kohler Power Systems
   (http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?se
   ctionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (http://lifeforceapu.com/files/LifeforceCalculator.xls)
- Natural Resources Canada
   (http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)

- Odyssey Battery (<a href="http://www.odysseybattery.com/fleet.html">http://www.odysseybattery.com/fleet.html</a>)
- Thermo King (<a href="http://www.thermoking.com/tripac/">http://www.thermoking.com/tripac/</a>)
- Webasto
  (<a href="http://www.techwebasto.com/calculators/heater/heater\_fuel\_calculator\_us.htm">http://www.techwebasto.com/calculators/heater/heater\_fuel\_calculator\_us.htm</a>)

#### **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.

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 <a href="http://epamap10.epa.gov/website/irim\_us\_map.asp">http://epamap10.epa.gov/website/irim\_us\_map.asp</a>.

#### How to Find Back Issues of National Idling Reduction Network News

All issues of *National Idling Reduction Network News* may be found at <a href="http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt">http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt</a> national idling. <a href="htt

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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