

# National Idling Reduction Network News

June 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)	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	<b>\$110,000 (as of June 27, 2011)</b>	Rolling deadline until funds are awarded.	<a href="http://www.pca.state.mn.us/sbiz7d9">http://www.pca.state.mn.us/sbiz7d9</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>
North Central Texas Council of Governments (NCTCOG)	Diesel Idling Reduction Program 2011	~\$76,000 (as of May 26, 2011)	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>U.S. Department of Energy's (DOE) National Energy Technology Laboratory</b>	<b>State Energy Program (SEP) Program Year 2011</b>	<b>\$39 million</b>	<b>August 3, 2011</b>	<a href="http://www07.grants.gov/search/search.do?&amp;mode=VIEW&amp;oppld=101073">http://www07.grants.gov/search/search.do?&amp;mode=VIEW&amp;oppld=101073</a>
<b>San Diego Air Pollution Control District (California)</b>	<b>Goods Movement Emission Reduction Program: Commercial Harbor Craft</b>	<b>~\$480,000</b>	<b>August 12, 2011</b>	<a href="http://www.sdapcd.org/homepage/grants/grants.html">http://www.sdapcd.org/homepage/grants/grants.html</a>
<b>Kansas Department of Health and Environment</b>	<b>Kansas Clean Diesel Program</b>	<b>\$250,000+</b>	<b>August 15, 2011</b>	<a href="http://www.kdheks.gov/bar/air-monitor/dieselgrant.html">http://www.kdheks.gov/bar/air-monitor/dieselgrant.html</a>

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Federal Transit Administration	Fiscal Year 2011 Sustainability Initiative	<b>\$101.4 million</b> <i>(\$51.5 million from the Clean Fuels Program, and \$49.9 million from the Transit Investment in Greenhouse Gas and Energy Reduction [TIGGER] III Program)</i>	<b>August 23, 2011</b>	<a href="http://www.fta.dot.gov/news/news_events_12814.html">http://www.fta.dot.gov/news/news_events_12814.html</a>
Society of Automotive Engineers (SAE)	Environmental Excellence in Transportation (E2T) Award	N/A	<b>October 15, 2011</b>	<a href="http://www.sae.org/news/awards/list/e2t/">http://www.sae.org/news/awards/list/e2t/</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

### Texas and Oregon Idling Bills Become Law

The idling legislation momentum continues. Texas Governor Rick Perry signed into law Senate Bill (SB) 1906, which defines the consequence of violating the Texas Commission on Environmental Quality's (TCEQ) idling rule. (The rule applies in any local jurisdiction that has signed a Memorandum of Agreement with the TCEQ.) Starting on September 1, 2011, violations of the idling rule will be considered a Class C misdemeanor, the penalty for which is a fine of up to \$500. TCEQ's rule prohibits heavy-duty vehicles from idling for more than 5 minutes between April 1 and October 31, with some exceptions, including federally mandated rest periods. For more information about the TCEQ idling rule and to see which counties and municipalities adhere to it, please go to <http://www.nctcog.org/trans/air/programs/idling/engineoffnorthtexas/drivers.asp#Adoptees>.

Another piece of Texas legislation signed into law, SB 493, permits trucks equipped with idling reduction technology to weigh an additional 400 pounds. Effective immediately, the law also states that the TCEQ may not "prohibit or limit" the idling of trucks with newer engine models (2008 or newer engine certified by the U.S. Environmental Protection Agency [EPA], or a state environmental agency, to emit no more than 30 grams/hour of nitrogen oxide [NOx] emissions when idling). To read the text of the bill as enrolled, please go to <http://www.capitol.state.tx.us/tlodocs/82R/billtext/pdf/SB00493F.pdf#navpanes=0>.

In Oregon, Governor John Kitzhaber signed House Bill (HB) 2081, a measure that limits heavy-duty idling to 5 minutes within a 60-minute period. There are numerous exemptions, including rest periods when the outside temperature is less than 50°F or more than 75°F.

Unlike other recently passed state bills relating to idling reduction, this bill was not passed by an overwhelming majority. One provision that caused some discord during bill consideration disallows local governments from setting their own idling restrictions. A late change in the bill grandfathered in any such rules that were in place on January 1, 2011.

The penalty for violating the Oregon idling law, which goes into effect on January 1, 2012, is a \$180 fine. To read the full text of the enrolled bill, please click on

<http://www.leg.state.or.us/11reg/measpdf/hb2000.dir/hb2081.en.pdf>.

## Heavy-Duty Hybrid RD&D Bill Introduced in U.S. Senate

In May, Senator Susan Collins (R-ME) introduced S.938, the Heavy-Duty Hybrid Vehicle Research, Development, and Demonstration (RD&D) Act of 2011. Amending the U.S. Energy Storage Competitiveness Act of 2007, the act would direct the Energy Secretary to establish an applied research program dedicated to advanced heavy-duty (gross weight, 14,000–33,000 pounds) hybrid vehicles. It would also direct the Secretary to create a pilot program to research and test the effects of the widespread use of plug-in hybrid vehicles—including advanced heavy-duty—on the electric power

grid. The competitive program would provide between three and seven grants of up to \$3 million in each of 3 years.

The bill has been referred to the Committee on Energy and Natural Resources. For the bill summary and status, please go to

<http://thomas.loc.gov/cgi-bin/bdquery/z?d112:SN00938:@@L&summ2=m&>.

## Chicago Code: “Clean Diesel” Construction Ordinance

Chicago’s City Council has passed a clean diesel contracting ordinance. The rule, which amends Section 2-92 of the Municipal Code with the addition of Section 595, applies to 8,500+-pound diesel vehicles doing work associated with city contracts. “Construction” is defined broadly to include demolition, restoration, environmental remediation, or environmental abatement of any structure or parcel of land.

used in the performance of the contract during periods of inactivity and shall comply with the anti-idling requirements imposed by any applicable federal, state or local law.” Violations of the ordinance could result in fines of up to \$5,000 per day.

In addition to requiring the use of low-sulfur diesel fuel, the law states that contractors must “minimize idling of motor vehicles and non-road vehicles

The ordinance applies to City contracts of \$2 million or more, awarded on or after June 1, 2011. To read the text of the ordinance, please see

[http://www.amlegal.com/pdffiles/Chicago/4-13-11\\_115270.pdf](http://www.amlegal.com/pdffiles/Chicago/4-13-11_115270.pdf).

## AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
American Central Transport (Missouri)	Mid-America Regional Council (MARC)	Purchase and installation of 4 APUs	\$22,500
Blue Springs School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 49 school buses	\$89,050
BNSF Railways (Missouri)	MARC	Purchase and installation of automatic engine startup/shutdown devices for 8 switcher locomotives	\$143,250
Brandon Walters Trucking	MARC	Purchase and installation of 1 APU	\$6,675
First Student of Kansas City (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 24 school buses	\$50,110
First Student of Parkhill (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 24 school buses	\$52,181
Grain Valley School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 25 school buses	\$52,800
Independence School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 44 school buses	\$76,500
Kansas City Southern Railway (Missouri)	MARC	Purchase and installation of automatic engine startup/shutdown devices for 5 switcher locomotives	\$43,084
Lee's Summit School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 53 school buses	\$95,200
Liberty School District (Missouri)	MARC	Purchase and installation of fuel-operated heaters for 25 school buses	\$52,198
NJ Transit (New Jersey)	North Jersey Transportation Planning Authority (NJTPA)	Purchase of 4 diesel engines that incorporate the EPA-certified Tier 0+ emissions kit and four automatic engine start/stop systems for older work train and service locomotive engines	\$800,000
Bridgeport Exempted Village Schools (Belmont County, Ohio)	Ohio EPA	Retrofit of 7 buses with diesel particulate filters and closed crankcase filter systems and installation of idle reduction equipment on 8 buses	\$85,524
Brown Local Schools (Carroll County, Ohio)	Ohio EPA	Retrofit of 4 buses with diesel oxidation catalysts and installation of idle reduction equipment on 8 buses	\$23,040
Elgin Local Schools (Marion County, Ohio)	Ohio EPA	Retrofit of 6 buses with diesel oxidation catalysts and installation of idle reduction equipment on 14 buses	\$45,755
Euclid City Schools (Cuyahoga County, Ohio)	Ohio EPA	Installation of idle reduction equipment on 21 buses	\$42,147
Fairless Local Schools (Stark County, Ohio)	Ohio EPA	Installation of idle reduction equipment on 18 buses	\$38,340
Holmes County Board of Developmental Disabilities (Holmes County, Ohio)	Ohio EPA	Retrofit of 4 buses with diesel oxidation catalysts and installation of idle reduction equipment on 11 buses	\$29,430

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Liberty Local Schools (Trumbull County, Ohio)	Ohio EPA	Retrofit of 17 buses with diesel oxidation catalysts and installation of idle reduction equipment on 6 buses	\$32,224
Manchester Local Schools (Summit County, Ohio)	Ohio EPA	Retrofit of 6 buses with diesel oxidation catalysts and closed crankcase filter systems and 8 buses with closed crankcase filter systems and idle reduction equipment	\$36,106
Minerva Local Schools (Stark County, Ohio)	Ohio EPA	Installation of idle reduction equipment on 7 buses	\$14,910
Salem City Schools (Columbiana County, Ohio)	Ohio EPA	Retrofit of 6 buses with diesel oxidation catalysts and idle reduction equipment	\$20,550
South Range Local Schools (Mahoning County, Ohio)	Ohio EPA	Retrofit of 13 buses with diesel oxidation catalysts and installation of idle reduction equipment on 16 buses	\$51,725
United Local Schools (Columbiana County, Ohio)	Ohio EPA	Retrofit of 8 buses with diesel oxidation catalysts and installation of idle reduction equipment on 12 buses	\$37,000
Urbana City Schools (Champaign County, Ohio)	Ohio EPA	Retrofit of 11 buses with diesel oxidation catalysts and installation of idle reduction equipment on 9 buses	\$28,01
Carnival Cruise Lines	South Coast Air Quality Management District (California)	Electrification of one cruise ship for shore-power capability at the Long Beach cruise terminal	\$1.6 million
Clean Air Campaign (Atlanta, Georgia)	UPS Foundation	Creation of an educational high school pilot program, Get There Green, and expansion of the Clean Air Campaign's No-Idling Program	\$47,127

## REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
CARB	2011 Carl Moyer Program Guidelines	<a href="http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm">http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm</a>
CARB	Proposed AB 118 Air Quality Improvement Program Funding Plan for Fiscal Year 2011–12	<a href="http://www.arb.ca.gov/msprog/aqip/fundplan/proposed_aqip_fy2011_funding_plan.pdf">http://www.arb.ca.gov/msprog/aqip/fundplan/proposed_aqip_fy2011_funding_plan.pdf</a>
CARB	Proposed Amendments: Mobile Cargo Handling Equipment Regulation (presentation from June 27, 2011, workshop)	<a href="http://www.arb.ca.gov/ports/cargo/presentations/062711pres2.pdf">http://www.arb.ca.gov/ports/cargo/presentations/062711pres2.pdf</a>
EPA	Clean Ports USA: Talking Freight Webinar	<a href="http://www.fhwa.dot.gov/planning/freight_planning/talking_freight/talking_freight5_18_at.pdf">http://www.fhwa.dot.gov/planning/freight_planning/talking_freight/talking_freight5_18_at.pdf</a>

SOURCE	TITLE	WEBSITE OR CONTACT
Harvard Center for Risk Analysis	The Public Health Costs of Traffic Congestion: A Health Risk Assessment	<a href="http://www.transportationconstructioncoalition.org/Docs/TCC-Harvard-Traffic-Congestion-Report-Final.pdf">http://www.transportationconstructioncoalition.org/Docs/TCC-Harvard-Traffic-Congestion-Report-Final.pdf</a>
Transportation Research Board (TRB)	Performance Measures for Freight Transportation	<a href="http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_010.pdf">http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_010.pdf</a>
TRB	Truck Drayage Productivity Guide	<a href="http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_011.pdf">http://onlinepubs.trb.org/onlinepubs/ncfrp/ncfrp_rpt_011.pdf</a>

## UPCOMING MEETINGS AND EVENTS

[Brown text indicates a new entry since last month]

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
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>
U.S. Department of Transportation Applications for the Environment: Real-Time Information Synthesis (AERIS) Transformative Concepts Workshop	Washington, D.C.	July 13, 2011	<a href="http://www.its.dot.gov/meetings/aeris_workshop.htm">http://www.its.dot.gov/meetings/aeris_workshop.htm</a>
<b>CARB Diesel Vehicle Regulation Overview</b>	<b>Los Angeles, California</b>	<b>July 19, 2011</b>	<a href="http://www.arb.ca.gov/training/courses.php?course=512">http://www.arb.ca.gov/training/courses.php?course=512</a>
<b>CARB Public Hearing To Consider Approval of the Proposed AB 118 Air Quality Improvement Program Funding Plan for Fiscal Year 2011–12</b>	<b>Sacramento, California</b>	<b>July 21, 2011</b>	<a href="http://www.arb.ca.gov/lispub/comm/bclist.php">http://www.arb.ca.gov/lispub/comm/bclist.php</a>
<b>NCTCOG Make It Green: Idle and Emission Reduction Seminar</b>	<b>Arlington, Texas</b>	<b>July 21, 2011</b>	<a href="http://makeitgreen.eventbrite.com/">http://makeitgreen.eventbrite.com/</a>
<b>CARB Diesel Vehicle Regulation Overview</b>	<b>Lompoc, California</b>	<b>August 9, 2011</b>	<a href="http://www.arb.ca.gov/training/courses.php?course=512">http://www.arb.ca.gov/training/courses.php?course=512</a>
<b>SAE Commercial Vehicle Engineering Congress</b>	<b>Rosemont, Illinois</b>	<b>September 13–14, 2011</b>	<a href="http://www.sae.org/events/cve/">http://www.sae.org/events/cve/</a>
4th Annual Green Fleet Conference	Grapevine, Texas	October 3–4, 2011	<a href="http://www.greenfleetconference.com/">http://www.greenfleetconference.com/</a>
17th Directions in Engine-Efficiency and Emissions Research (DEER) Conference	Detroit, Michigan	October 3–6, 2011	<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>

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Hybrid Truck Users Forum (HTUF) National Conference 2011	Baltimore, Maryland	October 10–13, 2011	<a href="http://www.htuf2011.org/">http://www.htuf2011.org/</a>
<b>Sustainable Shipping Conference</b>	<b>Vancouver, Canada</b>	<b>October 12–14, 2011</b>	<a href="http://www.sustainableshipping.com/events/2011/vancouver/">http://www.sustainableshipping.com/events/2011/vancouver/</a>
SAE 2011 Light-Duty Diesel Emissions Control Symposium	Ann Arbor, Michigan	November 2–3, 2011	<a href="http://www.sae.org/events/training/symposia/lddec/">http://www.sae.org/events/training/symposia/lddec/</a>
TRB 91st Annual Meeting	Washington, D.C.	January 22–26, 2012	<a href="http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx">http://www.trb.org/AnnualMeeting2012/AM2012Program.aspx</a>
<b>SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)</b>	<b>Washington, D.C.</b>	<b>January 25–27, 2012</b>	<a href="http://www.sae.org/events/gim/">http://www.sae.org/events/gim/</a>
Green Truck Summit	Indianapolis, Indiana	March 5–6, 2012	<a href="http://www.calstart.org/Events/CALSTART-Events.aspx">http://www.calstart.org/Events/CALSTART-Events.aspx</a>

## TRUCK STOP ELECTRIFICATION

### Tennessee Travel Plaza Electrifies All 50 Truck Parking Spaces

On June 22, Eco Travel Plaza in Crossville, Tennessee, unveiled new truck stop electrification (TSE) capability for each of its 50 parking spaces. Eighteen AireDock systems provide heating and cooling to trucks through window adaptors, and 32 Shorepower units provide electricity for a truck's on-board equipment. Wireless access is also provided at the site. Other new resource-conserving measures at the travel plaza include a 35-kW solar-power system, on-site recycling, and waterless urinals. The travel plaza operator plans to install two electric-vehicle charging stations in the coming months.

According to the East Tennessee Clean Fuels Coalition, if the equipment is used at 50% capacity over the next 10 years, the pollution reductions achieved will be as follows: NOx, 337 tons; particulate matter (PM), 10 tons; carbon monoxide, 144 tons; and carbon dioxide, 21,818 tons.

The project was completed with the assistance of an EPA American Recovery and Reinvestment Act (ARRA) grant of \$580,000. For more information, please go to [http://eerc.ra.utk.edu/etcf/NR/ETCleanFuels-NR\\_ETPGrandOpening\\_6-17-11.pdf](http://eerc.ra.utk.edu/etcf/NR/ETCleanFuels-NR_ETPGrandOpening_6-17-11.pdf) and <http://www.ecotravelplaza.com>.

## PORTS

### Shore Power Debuts at the New Haven Port Authority

The New Haven Port Authority is now equipped with TSE for fuel trucks in queue to collect oil from docked tankers. According to Dan Shanahan, Director of Sales and Marketing for CabAire, this is the first such TSE installation at a U.S. port facility. At the site, 14 CabAire spaces offer truck drivers both HVAC and shore power for in-cab electrical needs. Self-service

vending machines allow drivers to select and activate a TSE space and pay for HVAC or shore power, and a window adapter, if needed. The project was funded by the Connecticut Department of Environmental Protection through a \$380,256 EPA ARRA grant. For more information, please go to <http://www.ct.gov/dep/cwp/view.asp?Q=480884&A=4013>.

### SmartWay Launches New Drayage Truck Program

With the goal of reducing emissions at ports, EPA has announced a new SmartWay drayage truck initiative. Participating carrier partners commit to tracking emissions, replacing older trucks with newer, cleaner ones, and achieving at least a 50% reduction in PM and a 25% reduction in NOx, below the industry average, within 3 years. Shippers who are already members of SmartWay commit to shipping 75% of their port cargo with SmartWay dray carriers within 3 years. Best Buy, Hewlett-Packard, Home Depot, JC Penney,

Lowe's, Nike, Target, and Walmart are charter shipper partners in the new drayage program.

According to the EPA, older drayage trucks (model year  $\leq 1994$ ) emit about 60 times more fine particles (PM 2.5  $\mu\text{m}$ ) than do newer trucks (model year  $\geq 2007$ ). For more information about this new component of the SmartWay program, please see <http://www.epa.gov/smartway/transport/documents/drayage/420f11088.pdf>.

## OTHER NEWS OF INTEREST

### Millions in Rebate Funds Available for Idling Reduction Equipment

Through DOE's Shorepower Truck Electrification Project (STEP) managed by Cascade Sierra Solutions, truck owners may save up to 20% on the cost of installed idling reduction equipment. More than \$10 million in rebates is available for devices on medium- and heavy-duty diesel trucks. The rebate maximums are \$2,000 for APUs or generator sets with electric-standby options; \$1,600 for battery HVAC systems; \$700 for battery evaporative cooler systems; \$260 for thermal storage systems; \$3,200 for truck cold-

plate systems; \$5,000 for trailer transport refrigeration units with electric-standby options; and \$5,000 for hybrid transport refrigeration units with electric-standby options. The link [http://www.csswebform.org/WebForm/Supplier\\_list.aspx](http://www.csswebform.org/WebForm/Supplier_list.aspx) contains a list of all manufacturers' qualifying equipment. For more information about the STEP program, please go to [http://csswebform.org/WebForm/TSE\\_home.aspx](http://csswebform.org/WebForm/TSE_home.aspx).



## Ottawa Police Adopt Idling Reduction System

In Ontario, Canada, the Ottawa Police Service has begun using idling reduction technology developed by Canada's National Research Council. Thirty cruisers will be equipped with an auxiliary battery that powers computers, lights, and other accessories. The anticipated net annual savings for each vehicle is Can\$1,764, with an expected 18-month return on investment. The new equipment will not only reduce fuel use and emissions, but prolong engine life.

A 2009 study conducted by the Ottawa Police Service determined that patrol cars idled 67% of the time, or 6.7 hours per 10-hour shift. The Ottawa Police Service seeks to reduce idling by 40% during the first year of using the new system. For more information about the idling reduction system, please click on

<http://www.ottawapolice.ca/en/MediaRoom/NewsReleases/11-05-25/996ef371-a886-4ce2-b0a2-488a40685961.aspx>.

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## 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>.

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### 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. \*\*Awaiting governor's signature. †Effective January 1, 2012.

## 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

- 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?sitePagelId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)

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.

- 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. 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 17 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 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).

## 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.html](http://www1.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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