

National Idling Reduction Network News

October 2013

SOLICITATIONS FOR FUNDING AND AWARDS

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

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	~\$15 million	First come, first served.	baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Colorado Regional Air Quality Council	Congestion Mitigation and Air Quality (CMAQ) Funding for GPS Hardware To Support Idle Reduction (Denver Metro/North Front Range Area)	Indeterminate	First come, first served.	Kate Ruygrok, 303-629 5450, ext. 290
New York State Energy Research and Development Authority (NYSERDA)	New York State Electric Vehicle Voucher Incentive Fund (NYSEV-VIF)	\$9 million	First come, first served.	truck-vip.ny.gov/about.php
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	adeq.state.ar.us/poa/sba/envloans.htm
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	illinoisgreenfleets.org/
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	Not applicable	Rolling deadline—the 15th of every month.	turnyourengineoff.org/campaign_recognition.html

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Minnesota Pollution Control Agency (MPCA)	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	pca.state.mn.us/index.php/topics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html
San Joaquin Valley Air Pollution Control District (SJVAPCD)	SJVAPCD Hybrid Truck and Bus Voucher Incentive Project (HVIP) Plus-up Voucher Funding Program	~\$804,000	Rolling deadline until funds are awarded.	californiahvip.org/
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
San Diego County Air Pollution Control District (APCD)	Proposition 1B: Goods Movement Emission Reduction Program	~\$6 million	Accepting applications for backup projects through November 12, 2013	sdapcd.org/homepage/grants/grants.html
Kentucky Department for Environmental Protection, Division for Air Quality	Kentucky Clean Diesel Program	\$90,000	November 15, 2013	air.ky.gov/Pages/KentuckyCleanDieselGrantProgram.aspx
State of Washington Department of Ecology	Washington State Clean Diesel Grant Program	\$3.3 million	November 22, 2013	ecy.wa.gov/programs/air/cars/DieselGrantPage.htm
New Hampshire Department of Environmental Services, Air Resources Division	State Clean Diesel Program	Up to \$72,985	November 27, 2013	des.nh.gov/organization/divisions/air/tsb/tps/msp/diesel-vehicles/documents/2013-dera-state-program.pdf
U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE)	Small Business Innovation Research (SBIR) and Technology Transfer (STTR) Program, Grants for Clean Energy Technologies	Not yet available	Letter of Intent, December 16, 2013; Application, February 4, 2014	energy.gov/eere/articles/energy-department-announces-topics-and-new-approaches-grants-small-businesses-clean
MPCA	Diesel Emissions Reduction Act (DERA) Grant Program	\$120,000	December 16, 2013	pca.state.mn.us/wfhy4c4
NYSERDA	New York State Clean Air School Bus Program, Round 3	<\$1.7 million	December 30, 2013	nyscrda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
California Energy Commission	Federal Cost-Share for Emerging Technologies, Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP)	~\$2.2 million	January 10, 2014	energy.ca.gov/contracts/PON-13-604/

REGULATORY NEWS

CARB Proposes Idling-Rule Change

CARB is proposing a number of changes related to on-road medium- and heavy-duty vehicles and engines. One proposal includes changes to the state’s idling rule, which restricts the idling of commercial, diesel-powered vehicles weighing more than 10,000 lb to 5 minutes or less. CARB’s proposed changes include expanding those responsible for compliance with the rule to the *truck owner* and the *dispatching motor carrier*, in addition to the truck operator. Under CARB’s proposal, when a citation is written, a copy would be sent to any one or all three of the responsible parties. Once the citation is settled by any party, it would be cleared. CARB anticipates that the rule change would increase the number of settled citations.

According to CARB’s “Staff Report: Initial Statement of Reasons for Proposed Rulemaking,” about 42% of idling citations issued in 2012 remained unsettled at the end of the year.

CARB also proposes changing the definition of “restricted areas” in relation to vehicle idling. Currently, the idling of truck engines and diesel APUs is prohibited within 100 feet of “any real property zoned for individual or multifamily housing units that has one or more of such units on it.” CARB’s proposed rulemaking would expand the definition of “restricted areas” to include schools, hotels, and motels.

If passed as proposed, CARB’s changes would become effective on January 1, 2015. On December 12, CARB will host a public hearing in Sacramento on its numerous proposed changes. A report detailing the reasons for the proposed rulemaking is available at arb.ca.gov/regact/2013/hdghg2013/hdghg2013isor.pdf. For more information, please see landlinemag.com/Story.aspx?StoryID=26073.

EPA Region 1 Fines NRT for Excessive Idling

North Reading Transportation (NRT), a Methuen, Massachusetts, company that operates school buses and provides student transportation services in several Massachusetts communities, will pay a penalty of \$33,000 to settle EPA allegations that it violated federally enforceable idling limits in Massachusetts.

In addition to paying the fine, NRT will implement a range of idling reduction measures, including training all drivers, posting anti-idling signs, performing periodic walk-throughs of school-bus lots to ensure compliance, and notifying all school districts of NRT’s policy against excessive idling. The company will also install block heaters in nearly 200 of its school buses.

According to an EPA press release, NRT has already implemented a number of these idle reduction measures.

The enforcement action came about after an EPA inspector observed NRT school buses idling for extended periods in school-bus lots in Lowell, Lynn, Wilmington, and Methuen, Massachusetts, earlier this year. According to

the EPA, the buses' excessive idling violated federally enforceable idling restrictions contained in the Massachusetts air quality State Implementation Plan (SIP), which limits idling to 5 minutes or less. For more information, please see yosemite.epa.gov/opa/admpress.nsf/0/3753A7230719C83385257C1200654AB8.

AWARDS AND RECOGNITION

Shorepower Earns SAFE's Advanced Technology Award

Securing America's Future Energy (SAFE), an organization dedicated to reducing America's dependence on oil, has awarded Shorepower Technologies an Advanced Technology Award for "leadership in driving fundamental improvements to America's energy security." Shorepower was one of four companies to receive the award. Cummins Westport, General Motors, and Nissan were also recognized for their leadership in providing technologies that support energy security.

With the support of a DOE American Recovery and Reinvestment Act (ARRA) award, Shorepower Technologies has deployed truck stop electrification

(TSE) services at 62 U.S. locations, for a total of more than 1,800 parking spots. The installations enable long-haul trucks and refrigerated truck trailers to draw power from the grid rather than from idling diesel engines. To locate truck stops equipped with Shorepower plug-in parking spaces, please click on shorepowerconnect.com/PurchaseServiceNew.aspx.

SAFE is a nonpartisan organization dedicated to reducing the U.S.'s dependence on oil by educating policymakers and advocating for energy reform. To learn more about the SAFE award winners, please see secureenergy.org/EnergySecurityPrizePresser.

GM Recognizes Espar for Supplier Quality Excellence

In early October, General Motors (GM) awarded Espar, manufacturer of air and coolant heaters that reduce the need for idling, its Supplier Quality Excellence Award. Espar provides the auto manufacturer with its Hydronic D5 Z coolant heater assembly and two fuel-pump assemblies.

According to *School Transportation News*, GM established the Supplier Quality Excellence Award in 2012 to recognize the top 7% percent of product suppliers. These suppliers must meet stringent quality performance

criteria and provide cross-functional support to GM. Suppliers are recognized based on their performance for the period of July 1 through June 30 each year.

More information about the award is available at stnonline.com/home/latest-news/5669-gm-awards-supplier-quality-of-excellence-award-to-espar-climate-control-systems.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Environmental Media Association	Don't Be an Idler	ema-online.org/everything-you-need-to-know-about-idling/
Idle-Free VT	Idle-Free for Fleet\$ Project: Final Progress Report	idlefreevt.org/misc_pdf/IFF_VDH_CDC_final_report.pdf
International Council on Clean Transportation	Vehicle Idling after Cold Starts (fact sheet)	ewashtenaw.org/government/departments/environmental_health/recycling_home_toxics/green_media/motor-smart/resources/cold-starts-and-engine-idling
Navigant Research	Hydraulic Hybrid Vehicles	navigantresearch.com/research/hydraulic-hybrid-vehicles
Southern Environmental Law Center	Clearing the Air: Would Shoreside Power Reduce Air Pollution Emissions from Cruise Ships Calling on the Port of Charleston, SC?	coastalconservationleague.org/wpcontent/uploads/2010/01/ERA-Charleston-Shoreside-Power-Report-.pdf
Transportation Research Board (TRB) National Cooperative Freight Research Program (NCFRP)	Truck Idling Scoping Study	onlinepubs.trb.org/onlinepubs/ncfrp/docs/NCFRP28_FR.pdf
U.S. EPA	SmartWay Transport Partnership: Driving Data Integrity in Transportation Supply Chains	epa.gov/smartway/documents/basic-info/420b13005.pdf

UPCOMING MEETINGS AND EVENTS

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

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
TRB: Airport Emission Inventories and Reduction Strategies	Webinar	November 7, 2013	trb.org/ElectronicSessions/Blurbs/169267.aspx
East Bay Clean Cities' Green Vehicle and Infrastructure Funding Workshop	Fairfield, California	November 14, 2013	cleancitieseastbay.org/ or e-mail admin@cleancitieseastbay.org
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	November 18, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
North American Natural Gas Vehicle Conference and Expo	Atlanta, Georgia	November 18–21, 2013	cleanvehicle.org/conference/2013/index.shtml

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
CARB Public Hearing To Consider Proposals Related to On-Road Medium- and Heavy-Duty Vehicles and Engines	Sacramento, California	December 12, 2013	arb.ca.gov/lispub/rss/displaypost.php?pno=7108
2014 TRB 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	trb.org/AnnualMeeting2014/AnnualMeeting2014.aspx
SAE Government/Industry Meeting (in conjunction with the Washington, D.C., Auto Show)	Washington, D.C.	January 22–24, 2014	sae.org/events/gim/
Midwest Truck and Trailer Show	Peoria, Illinois	January 31–February 1, 2014	midwesttruckshow.com/
Green Truck Summit	Indianapolis, Indiana	March 4–5, 2014	ntea.com/greentrucksummit/about/
National Truck Equipment Association (NTEA) Work Truck Show	Indianapolis, Indiana	March 4–7, 2014	ntea.com/worktruckshow/index.aspx?id=938
Mid-America Trucking Show	Louisville, Kentucky	March 27–29, 2014	truckingshow.com/
National Association of Fleet Administrators (NAFA) Institute and Expo	Minneapolis, Minnesota	April 8–11, 2014	nafainstitute.org/
Alternative Clean Transportation (ACT) Expo	Long Beach, California	May 5–9, 2014	actexpo.com/index.html
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/
2014 U.S. DOE Vehicle Technologies Office Annual Merit Review and Peer Evaluation	Washington, D.C.	June 16–20, 2014	eere.energy.gov/vehiclesandfuels/events/event_detail.html?event_id=7447

MANUFACTURERS' NEWS

Webasto Introduces SmarTemp Control Timers

Webasto has introduced the SmarTemp Control and the SmarTemp Control fx programmable timers. The SmarTemp Control is designed to work with the Webasto Air Top 2000 ST bunk heater. With a backlit LCD screen and a large dial, it allows the truck operator to maintain constant bunk temperatures and lower fuel costs. The SmarTemp Control fx works with

Webasto Scholastic and coolant heaters and accommodates up to four different timer settings. Both display heater diagnostic codes. For more information about SmarTemp Control and the SmarTemp Control fx, please see smartempcontrol.com/.

ELECTRIFIED PARKING SPACES

IdleAir Offers Reset Special

IdleAir is now offering a new “Reset Special” for truck operators using IdleAir during their federally required 34-hour Hours of Service (HOS) resets. The offer, which begins in early November and runs through April 30, 2014, includes up to 40 hours of IdleAir Premium Service for a flat fee of \$50 before tax. Premium Service includes heat, air conditioning, 120V power, DIRECTV, and basic internet. Customers can select the Reset Special at the beginning of their visits. A driver staying longer than 40 hours in a

continuous visit automatically receives the IdleAir Extended Stay rate of \$1.69 per hour after the first 40 hours.

The 34-hour HOS reset allows drivers to “restart” their 60- or 70-hour clock (federal weekly driving-hour limit) after having at least 34 consecutive hours off duty. For more information about IdleAir’s offer, please go to idleair.com/news/idleair-introduces-new-package-for-34-hour-resets/.

OTHER NEWS OF INTEREST

After Seven Years of Debate, Ontario Town Adopts Idling Bylaw

In Sarnia, Ontario, Canada, a persistent Community Round Table Environmental Committee can claim victory after 7 years of effort. With a 5-3 vote, the Sarnia City Council recently passed By-Law 81 of 2013, which restricts idling to no more than 1 minute in a 60-minute period, with the customary exceptions. Violating the new bylaw may result in a \$100 fine. The law goes into effect on January 1, 2014.

According to local news source, *The Observer*, city staff researching how other jurisdictions with idling restrictions have handled infractions found that the cities of Windsor, London, and Hamilton have yet to issue a ticket

or a warning. In Cambridge, two to six tickets and three to four warnings are handed out each year. *The Observer* reports that a city staff report prepared for the council states while Sarnia Parking Authority staff are expected to enforce the bylaw, they will emphasize education through warnings.

More information is available at theobserver.ca/2013/09/09/idling-vehicles-could-be-ticketed-come-january-2014. For the text of the bylaw, please go to sarnia.civicweb.net/Documents/DocumentList.aspx?Id=48534&Search=1&Result=5.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the DOE's Office of Energy Efficiency and Renewable Energy (EERE) identifies types of heavy-duty idling reduction equipment and provides links to some manufacturers at afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

afdc.energy.gov/conserve/idle_reduction_related.html. For EPA-verified idling reduction technologies in eight categories, please visit EPA's SmartWay Transport website at epa.gov/smartway/technology/idling.htm.

Status of the 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. On October 1, 2012, Moving Ahead for Progress in the 21st Century (MAP-21) became law, increasing this weight allowance from 400 lb to 550 lb. Each state can adopt this exemption, at its own discretion. If you have information about planned or enacted changes, please send a

message to IDLINGREDUCTION@ANL.GOV so that we may share the news with our readers.]

We will update the following table 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.

State Recognition of the Auxiliary Power Unit Weight 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>	<i>MISSOURI</i>	<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	
<i>COLORADO</i>	Illinois	Massachusetts	<i>NEW HAMPSHIRE</i>	Oregon	Vermont	
<i>CONNECTICUT</i>	Indiana	Michigan	New Jersey	Pennsylvania	<i>VIRGINIA</i>	
Delaware	Iowa	<i>MINNESOTA</i>	New Mexico	<i>Rhode Island</i>	Washington	
Legend: Allows a 400-lb exemption by law; <i>ALLOWS A 550-LB EXEMPTION BY LAW</i> ; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase (cleancities.energy.gov/IdleBase) contains information about laws for all classes of on-road vehicles. For laws specific to heavy-duty vehicles only, the American Transportation Research Institute (ATRI) has an excellent

resource (atri-online.org/2013/02/20/idling-regulations-compendium/). If your state, county, or municipality has made or is proposing changes, please let us know (idlingreduction@anl.gov) so that we may share the information with newsletter readers.

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 afdc.energy.gov/laws/. Let us know if any information needs to be changed or updated. Additionally, the U.S. EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative

(Region 3), dieselmidatlantic.org/funding-opportunities; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/; Midwest Clean Diesel Initiative (Region 5), epa.gov/midwestcleandiesel/grants/index.html; Blue Skyways Collaborative (Regions 6 and 7 plus Minnesota), blueskyways.org/funding/index.html; Rocky Mountain Clean Diesel Collaborative (EPA Region 8), epa.gov/region8/air/rmcdc/; and West Coast Collaborative (EPA Regions 9 and 10 plus Canada and Mexico), 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

is also included. We provide links to the calculators as tools of possible benefit but have not verified their accuracy. 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 (transportation.anl.gov/engines/idling.html)—choose a calculator from the right side of the Web page)
- Bergstrom (us.bergstrominc.com/nite-calculate-savings/)
- DOE Clean Cities program (afdc.energy.gov/afdc/prep/)
- Dynasys (dynasysapu.com/savings-calculator)
- Energy Xtreme (energyxtreme.net/idle-reduction/calculator-quote)
- Espar (espar.com/html/service/calculator/calculator.html)
- Hotstart (hotstart.com/fuel-consumption-calculator/)

- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)
- Idle Smart (idlesmart.com/calculator.html)
- Kohler Power Systems (kohlerpower.com/mobile/solutions/apucalculator.htm?sectionNumber=13361&nodeNumber=1&contentNumber=102)
- LifeForce (lifeforceapu.com/files/LifeforceCalculator.xls)

- Natural Resources Canada (oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm?attr=16)
- Odyssey Battery (odysseybattery.com/fleet.html)
- Thermo King (thermoking.com/tripac/)
- Webasto (techwebasto.com/redirect/calculators/heater/heater_fuel_calculator_us.htm)
- **ZeroRPM** (zerorpm.com/select-calc)

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 34 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at afdc.energy.gov/afdc/locator/tse. 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 epamap10.epa.gov/website/irim_us_map.asp.

Idling Reduction Outreach Assistance

Is your organization looking for help in reducing idling? Your local Clean Cities coalition can help with the support of IdleBox. IdleBox is an electronic, modular toolkit to help managers of light- and medium-duty fleets save money, support a cleaner environment, and even get a bit of recognition for their efforts. IdleBox includes a variety of tools, such as presentations, fact

sheets, signs, posters, stickers, idling calculators, an idling-regulation database, and technical resources—to help fleets implement idle reduction.

To learn more about IdleBox, contact your local Clean Cities coordinator (afdc.energy.gov/cleancities/coalitions/coalition_contacts.php) or e-mail IdleBox@anl.gov.

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

All issues of *National Idling Reduction Network News* may be found at eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Additionally, the site has a compendium of all previous issues; 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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