

National Idling Reduction Network News

August 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
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.	turnyouengineoff.org/campaign_recognition.html
Minnesota Pollution Control Agency	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

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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
North Carolina Solar Center	Clean Fuel Advanced Technology (CFAT) Project	Up to \$1 million	September 10, 2013	ncsc.ncsu.edu/index.php/clean-transportation/clean-transportation-projects/clean-fuel-advanced-technology-project/
South Shore Clean Cities	BP Whiting Refinery Cleaner Air through Diesel Emission Reductions (BP-CADER)	\$450,000	September 16, 2013 for one subprogram, TBD September or October for others	southshorecleancities.org/ and click the BP-CADER graphic on the left side of the page
NYSERDA	Advanced Transportation Technologies	\$2.5 million	September 18, 2013	nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-2781-Advanced-Transportation-Technologies.aspx
Federal Transit Administration	Bus Efficiency Enhancements Research and Demonstrations	~\$3 million	September 20, 2013	fta.dot.gov/grants/13077_15541.html
U.S. EPA	Clean Air Excellence Awards	Not applicable	September 27, 2013	epa.gov/air/cleanairawards/entry.html
Government of Canada	Shore Power Technology for Ports Program	Can\$27.2 million	September 30, 2013	tc.gc.ca/eng/programs/environment-sptp-2681.htm
California Air Quality Management Districts (AQMD)	Proposition 1B: Goods Movement Emission Reduction Program	~\$150 million statewide	October 10, 2013 (see individual AQMD websites for "backup" solicitation periods)	arb.ca.gov/bonds/gmbond/gmbond.htm (scroll down for individual AQMD websites)
NYSERDA	New York State Clean Air School Bus Program, Round 3	<\$1.7 million	December 30, 2013	nyserda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program.aspx

REGULATORY NEWS

Colorado and Connecticut Increase APU Weight Exemption

Connecticut and Colorado are the most-recent states to have increased the weight allowance for trucks equipped with APUs to 550 lb. Connecticut lawmakers made the change through Connecticut Public Act 13-271 (cga.ct.gov/2013/act/pa/2013PA-00271-R00HB-06033-PA.htm). In Colorado, legislators amended the Code of Colorado Regulations (CCR) 1507-28,

Port of Entry Rules for Commercial Motor Carrier Size, Weight and Clearance, which is available through sos.state.co.us/CCR/Welcome.do. Both states require that drivers provide documentation of the APU weight and proof that the APU is fully operational. *Source:* Heather Ness, J.J. Keller & Associates, Inc.

AWARDS AND RECOGNITION

RECIPIENT	SOURCE OF FUNDING	PURPOSE OF GRANT	FUNDING
Nuvera (Billerica, Massachusetts)	U.S. Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy (EERE)	Demonstration of the use of fuel cells for transport refrigeration units (TRUs) in semi-trailer trucks	\$650,000
Plug Power (Latham, New York)	DOE, EERE	Demonstration of the use of fuel cells for transport refrigeration units (TRUs) in semi-trailer trucks	\$650,000
University of California Los Angeles	DOE, Advanced Research Projects Agency-Energy (ARPA-E)	Development of a long-life, acid-based battery, one potential of which is to facilitate the widespread adoption of start/stop technology	\$500,000

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
Port of Long Beach	Presentations from May 2013 Shore Power Summit	longbeach.granicus.com/MediaPlayer.php?view_id=18&clip_id=6470
CARB	FAQs Regarding TRU Generator Sets and the New Broker-Shipper-Receiver-Carrier-Driver Requirements	arb.ca.gov/diesel/tru/documents/q&a_tru_gensets.pdf
Illinois Center for Transportation, University of Illinois	Transportation Conformity Particulate Matter Hot-Spot Air Quality Modeling	trb.org/main/blurbs/169335.aspx
NBC News—Business	Fuel-Saving Idle Elimination Coming to the Masses	nbcnews.com/business/fuel-saving-idle-elimination-coming-masses-6C10830979#fuel-saving-idle-elimination-coming-masses-6C10830979

SOURCE	TITLE	WEBSITE OR CONTACT
International Council for Clean Transportation	Barriers to the Increased Adoption of Fuel Efficiency Technologies in the North American On-Road Freight Sector	csswebform.org/webform/Document/ICCTReport.pdf
Transport Topics	Opinion: Tell Truck Stops To Power Up	ttnews.com/articles/basetemplate.aspx?storyid=32488

UPCOMING MEETINGS AND EVENTS

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

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
New York Truck Voucher Incentive Program (NYT-VIP) Informational Workshop	Brooklyn, New York	September 9, 2013	truck-vip.ny.gov/index.php
Air and Waste Management Association (AWMA): Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Northeast Diesel Collaborative (NEDC) SmartWay Transport Workshop and Partner Meeting	Groton, Connecticut	September 11–13, 2013	northeastdiesel.org/
North Central Texas Environmental Stewardship Forum: School-Zone Anti-Idling Webinar	Webinar	September 12, 2013	attendee.gotowebinar.com/register/2101968616401706496
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	September 17, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)
North Central Texas Environmental Stewardship Forum: Texas State Idling Limitations Rule Webinar	Webinar	September 19, 2013	nctcog.org/trans/air/programs/idling/index.asp
San Francisco Clean Cities Coalition: Idling Gets You Nowhere!	San Francisco, California	September 24, 2013	sfccidlereduction.eventbrite.com/
SAE 2013 Heavy Duty Vehicles Symposium: Technologies for High Efficiency and Fuel Economy	Rosemont, Illinois	September 29–30, 2013	sae.org/events/hehdv/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	greenfleetconference.com/
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	sae.org/events/cve/
High-Efficiency Truck Users Forum (HTUF) National Meeting 2013	Chicago, Illinois	October 7–9, 2013	conferences.stagedrightevents.com/htuf/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Transportation Research Board (TRB): Airport Emission Inventories and Reduction Strategies	Webinar	November 7, 2013	trb.org/ElectronicSessions/Blurbs/169267.aspx
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/
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/
Government Fleet Expo & Conference (GFX)	San Diego, California	June 2–4, 2014	governmentfleetexpo.com/

TRUCK STOP ELECTRIFICATION

New IdleAir Installations

IdleAir recently completed the construction of a dedicated fleet facility for freight carrier Transportation Services, Inc. (TSI; Mesquite, Texas). According to IdleAir, dedicated fleet facility customers receive discounted pricing and customized services and support. IdleAir plans to develop more such dedicated terminals.

The truck stop electrification (TSE) provider also has a new installation opening soon in Port Allen, Louisiana. At Cash’s Truck Plaza, IdleAir will offer not only its traditional overhead HVAC (“yellow hose”) service, but also dedicated electrified (power-only) pedestals with 110-volt and 20-amp

service. The Port Allen installation, which will accommodate 36 trucks, is a cooperative project undertaken with the Greater Baton Rouge Clean Cities Coalition (GBRCCC). The GBRCCC received a \$200,633 grant from Louisiana Department of Environmental Quality to match IdleAir’s project contribution of \$207,451.

With 34 facilities representing approximately 2,000 electrified parking spaces in 12 states, IdleAir recently celebrated its third anniversary as part of Convoy Solutions, LLC. Please see idleair.com and gbrccc.org/2013/06/ for more information.

PORTS

POLA Boasts New Shore-Power–Capable Tugboat

In July, the Port of Los Angeles (POLA) welcomed a new tractor tugboat equipped with cold ironing (shoreside electrical power) capabilities. The Robert Franco, which assists and escorts large cargo vessels and tankers in the San Pedro Bay port complex, is equipped with Tier III engines. Several years from being required by law, Tier III engines reduce nitrogen oxides (NOx) and particulate matter (PM) emissions by 90% compared to Tier 0 engines. According to the company behind the Robert Franco, Harley Marine Services (Seattle, Washington), the 100-ft by 40-ft, 6,800-horsepower tugboat provides 91 tons of “bollard pull” (a measure of watercraft pulling force).

Harley Marine has been providing ship-assist services at POLA since 2000. More information is available at portoflosangeles.org/newsroom/2013_releases/news_071113_Tractor_Tug.asp and harleymarine.com/pr/M-ROBERT-FRANCO.pdf. (Photo: The shore-power compatible Robert Franco at the Port of Los Angeles. Courtesy of Millennium Maritime, a Harley Marine Services Company.)



Sea-Tac Aircraft To Plug In and Save \$15+ Million in Fuel Annually

Shore power isn't just for marine ports and truck travel plazas; it's used at airports. Seattle-Tacoma (Sea-Tac) International Airport has completed a shore power project in which aircraft being boarded or deplaned are heated or cooled not with diesel-fueled APUs, but by air that has been preconditioned in a centralized plant.

With the preconditioned air technology, airlines operating at Sea-Tac's 73 gates will not only save an estimated 5 million gallons of fuel annually, but also reduce greenhouse gas emissions by 40,000 metric tons and

nitrogen oxide emissions by 73 tons. Preconditioned air will also reduce noise-pollution levels at the gates.

“Pre-conditioned air is truly a win-win for the airport, airlines and the surrounding community,” said Elizabeth Leavitt, director of Planning & Environmental Management, Sea-Tac Airport. “This long-range investment by the airport will save money for the airlines, reduce our carbon footprint, clean the air of emissions and reduce noise for our neighbors.”

Of the \$43 million project, \$22 million was funded by Voluntary Airport Low Emissions Grants from the Federal Aviation Administration. Airport development funds, which accrue from fees charged to airlines, will pay the remainder of the cost. These fees will be offset by decreasing operating

costs for a projected payback of less than 3 years. For more information, please see portseattle.org/Newsroom/News-Releases/Pages/default.aspx?year=2013#392. Source: Joe Tario, NYSERDA

OTHER NEWS OF INTEREST

NIRNN Editor Gets an Unexpected Flurry of Reader Feedback

In her excitement last month to share an international no-idling sign with *National Idling Reduction Network News (NIRNN)* readers, editor Terry Levinson's typing fingers got the better of her. As the photo shows, the sign near Trafalgar Square in London, England, states:

Notice to drivers
Engines must be switched
off whilst on stand

After Ms. Levinson sent the transmittal e-mail, in which she typed, "must be switched on" rather "must be switched off," she was met with a flurry of e-mails—including one from *NIRNN's* concerned writer—questioning the message. The upside? Ms. Levinson now has hard data on how many people read her transmittal e-mails from start to finish.

Seriously, though, we do collect photos of idling signs and would like to add to our collection. International signs are especially prized. Please send us any photos you have; we may feature your sign in an upcoming issue.



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), dieselmidadatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), southeastdiesel.org/funding.html; 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/calculators/heater/heater_fuel_calculator_us.htm)

Locations of Electrified Parking Spaces

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

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 retying the URL, in your browser window.

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