

National Idling Reduction Network News

April 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.	www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8
Arkansas Department of Environmental Quality	Business Assistance Program, Environmental Loans for Small Businesses	Indeterminate	Rolling deadline until funds are awarded.	www.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.	www.arb.ca.gov/ba/loan/on-road/documents/hdloanprogram.pdf
CALSTART	California Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)	~\$7.6 million (as of April 30, 2013)	Rolling deadline until funds are awarded.	www.californiahvip.org/
Illinois Environmental Protection Agency (EPA)	Illinois Clean Diesel Grant Program	\$294,517	Rolling deadline until funds are awarded.	www.illinoisgreenfleets.org/
Illinois EPA	Illinois Clean Diesel Grant Program—school buses only	\$1 million annually through 2016	Rolling deadline until funds are awarded.	www.illinoisgreenfleets.org/
Minnesota Pollution Control Agency	Small Business APU (auxiliary power unit) Loan Program	\$110,000	Rolling deadline until funds are awarded.	www.pca.state.mn.us/index.php/to pics/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html

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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.	www.turnyouengineoff.org/campaign_recognition.html
Pennsylvania Department of Environmental Protection	Small Business Pollution Prevention Assistance Account Loan Program	\$2 million annually	Not applicable	www.portal.state.pa.us/portal/server.pt?open=514&objID=553247&mode=2
U.S. Department of Transportation (DOT)	Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grant Program	\$474 million	June 3, 2013	www.dot.gov/TIGER
Maryland Energy Administration	Maryland Idle Reduction Technology Grant Program	\$142,000	August 16, 2013	energy.maryland.gov/Transportation/idle/
Ohio EPA	Clean Diesel School Bus Fund Retrofit Grants Program	~\$300,000	September 1, 2013	www.epa.ohio.gov/oef/schoolbus.aspx
Ohio EPA	Ohio Diesel Emissions Reduction Grant (DERG) Program	Indeterminate	September 1, 2013	www.epa.state.oh.us/oef/derg.aspx
Government of Canada	Shore Power Technology for Ports Program	Can\$27.2 million	September 30, 2013	www.tc.gc.ca/eng/programs/environment-sptp-2681.htm

REGULATORY NEWS

Florida Next in Line for APU Weight Exemption Increase

Florida is the most-recent state to seek an increase to the weight allowance for heavy-duty, long-haul trucks equipped with idling reduction devices, allowed in the Moving Ahead for Progress in the 21st Century Bill (MAP-21). House Bill (HB) 7127, a comprehensive bill covering issues ranging from passenger rail to aerospace facilities, would increase the maximum weight limit for APUs on heavy-duty trucks from 400 to 550 lb.

The House has passed the bill, which is now in the Senate. If passed as written, the act would take effect on July 1, 2013. Please see www.myfloridahouse.gov/Sections/Bills/billsdetail.aspx?BillId=50858 for more information.

New Hampshire Seeks To Limit Commuter Locomotive Idling

Lawmakers in New Hampshire are considering a bill to limit the idling of diesel commuter rail locomotives. House Bill (HB) 508 stipulates that “no person shall cause or permit the unnecessary and foreseeable idling of a commuter rail diesel locomotive for a continuous period of time longer than 30 minutes.” According to local news source *The Eagle-Tribune*, the bill was proposed to prepare for the possibility that the Massachusetts Bay Transit Authority (MBTA) will extend its line and create a layover station in Plaistow, New Hampshire. Layover stations accommodate commuter trains not in service, such as during overnight hours. Locomotives not in service are often idled for nonmotive power needs, such as temperature control.

Passed by the House, HB508 is currently in the Senate Transportation Committee. If passed as written, the law would take effect on July 1, 2014. Fines for first offenses would not exceed \$500, and fines for subsequent offenses would not exceed \$2,000. The bill includes some exemptions, such as locomotives being serviced, if idling is necessary during such service.

The link www.gencourt.state.nh.us/legislation/2013/HB0508.html contains the text of the bill. To follow the bill’s status, please go to www.gencourt.state.nh.us/bill_status/bill_status.aspx?lsrc=220&sy=2013&sortoption=&txtsessionyear=2013&txttitle=idling.

REPORTS AND OTHER RESOURCES OF INTEREST

SOURCE	TITLE	WEBSITE OR CONTACT
California Energy Commission	AB118 Pre-Solicitation Workshop for Centers for Alternative Fuels and Advanced Vehicle Technology [workshop presentation]	www.energy.ca.gov/altfuels/notices/2013-04-03_workshop/AB118-Centers_Pre-Solicitation_Workshop_Presentation_2013-04-03.pdf
Caltrans	Caltrans Activities To Address Climate Change: Reducing Greenhouse Gas Emissions and Adapting to Impacts	www.dot.ca.gov/hq/tpp/offices/orip/climate_change/documents/Caltrans_ClimateChangeRprt-Final_April_2013.pdf
Cascade Sierra Solutions and C.H. Robinson	Are You California-Compliant?	youtube.com/watch?v=Pr7AM0igQqc&feature=youtu.be&utm_source=CSS+clients+ARE+YOU+CALIFORNIA-COMPLIANT%3F+WEBINAR&utm_campaign=CH+Robinson+followup+2&utm_medium=email
DieselProgress	Nickel Supercapacitors as Part of an Idle-Reduction Strategy	http://www.dpna-digital.com/dpna/201302?sub_id=ChgTFLb8We5Lf#pg31
nyfoxny.com	Shame: Idling Buses [video on idling buses in Brooklyn]	http://www.myfoxny.com/video?clipId=8812847&autostart=true
U.S. EPA	Second Report to Congress: Highlights of the Diesel Emissions Reduction Program	www.epa.gov/cleandiesel/documents/420r12031.pdf
U.S. EPA	DERA [Diesel Emissions Reduction Act] Program’s Tribal Opportunities	www.epa.gov/cleandiesel/documents/fy13-rfp-tribal-preopen-webinar.pdf

SOURCE	TITLE	WEBSITE OR CONTACT
U.S. EPA	Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2011	http://www.epa.gov/climatechange/ghgemissions/usinventoryreport.html
Metropolitan Washington Council of Governments (MWCOG)	Diesel Idle Reduction Driver Recognition Program Recap	www.turnyourengineoff.org/Download/2012_drp_recap_web.pdf
Navigant Research	Electric Vehicle Drive Motors—Electric Traction Motors for Hybrid, Plug-In Hybrid, and Battery Electric Light Duty Vehicles: Market Analysis and Forecasts	http://www.navigantresearch.com/research/electric-vehicle-drive-motors
San Diego County Air Pollution Control District	Cleaner Air Thanks to Shore Power [video]	www.countynewscenter.com/video?v=144605

UPCOMING MEETINGS AND EVENTS

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

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
Port of Long Beach Shore Power Summit	Long Beach, California (also live webcast)	May 6, 2013	www.polb.com/news/displaynews.asp?NewsID=1150&TargetID=1 or www.polb.com/shorepowersummit
U.S. EPA DERA Tribal Competition Webinar: Review of FY 2013 DERA Request for Proposals (RFP) and Question and Answer Session	Webinar	May 7, 2013 (repeated May 9, 2013)	www.epa.gov/cleandiesel/prgtribal.htm#webinar
Northern Indiana Clean Diesel Road Show	Fort Wayne, Indiana	May 8, 2013	www.southshorecleancities.org/events.php
U.S. EPA DERA National Competition Webinars	Webinar	May 13, 2013 (repeated May 14, 2013)	www.epa.gov/cleandiesel/prgnational.htm#webinar
2013 U.S. Department of Energy (DOE) Hydrogen and Fuel Cells Program and Vehicle Technologies Program Annual Merit Review and Peer Evaluation	Arlington, Virginia	May 13–17, 2013	www.annualmeritreview.energy.gov/
CARB Course 520: How To Comply with CARB Diesel Regulations	Webinar	May 14, 2013	arb.ca.gov/training/courses.php?course=520 (link also shows multiple onsite classes on various dates and in multiple locations)

MEETING	LOCATION	DATE	WEBSITE OR CONTACT
High-Efficiency Truck Users Forum (HTUF), Southeast Regional Fleet Workshop	Birmingham, Alabama	May 22, 2013	conferences.stagedrighthevents.com/htuf/?page_id=13
Clean Diesel Dividends (educational session with tour of Vanner, Inc., production facilities)	Hilliard, Ohio	May 23, 2013	www.vanner.com/clean-diesel-dividends-may-23-2013/
Government Fleet Expo & Conference (GFX)	San Antonio, Texas	June 10–12, 2013	www.governmentfleetexpo.com/
Alternative Clean Transportation (ACT) Expo	Washington, D.C.	June 24–27, 2013	www.actexpo.com/index.html
Air & Waste Management Association (A&WMA) Annual Conference—Toward Sustainability	Chicago, Illinois	June 25–28, 2013	ace2013.awma.org/
A&WMA: Climate Change—Impacts, Policy, and Regulation	Herndon, Virginia	September 10–11, 2013	climatechange.awma.org/
Green Fleet Conference	Phoenix, Arizona	October 1–2, 2013	www.greenfleetconference.com/
SAE 2013 Commercial Vehicle Engineering Congress (COMVEC)	Rosemont, Illinois	October 1–3, 2013	www.sae.org/events/cve/
2013 Railroad Environmental Conference	Urbana, Illinois	November 5–6, 2013	ict.uiuc.edu/railroad/rrec/overview.php
2014 Transportation Research Board (TRB) 93rd Annual Meeting	Washington, D.C.	January 12–16, 2014	www.trb.org/Main/Blurbs/168453.aspx

MANUFACTURERS' NEWS

Kenworth and Peterbilt Launch Factory-Installed Idling Reduction Systems

Kenworth Truck Company (Kirkland, Washington) has announced a new factory-installed, engine-off heating and cooling system for its long-haul, Class 8 T680. The Kenworth Idle Management System is a battery-powered APU system integrated with the T680's ducting system that provides air conditioning. An optional fuel-fired heater is also available.

The Kenworth Idle Management System has on-board controls in the sleeper cabin and includes a safeguard to ensure that sufficient power is available to restart the truck. According to a company press release, the system has a small, under-bunk footprint. For more information, please go

to www.kenworth.com/news/news-releases/2013/march/integrated-idle-management.aspx.

Peterbilt Motors Company (Denton, Texas) has introduced the SmartAir system, which provides battery-based cooling for truck drivers during rest periods. The factory-installed SmartAir system has a 7,500 BTU/hour cooling capacity and can operate for up to 10 hours on a single charge. The system, which also has a small footprint, is available on Peterbilt models 384, 386, 388, 389, 587, and 579. More information about Peterbilt's SmartAir system is available at www.peterbilt.com/about/media/2013/360/.

ELECTRIFIED PARKING SPACES

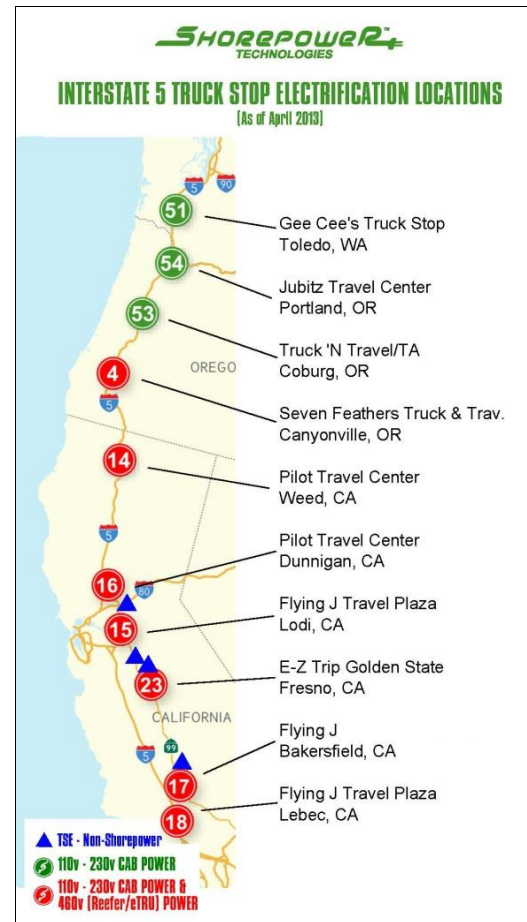
STEP: Electrification Complete for West Coast's I-5 Corridor

The installation of Shorepower pedestals at the Pilot Flying J Travel Plaza in Frazier Park/Lebec, California, marks the completion of the Shorepower Truck Electrification Project's (STEP) first fully electrified freight-movement corridor. Truck drivers on Interstate-5, which runs more than 1,300 miles, from Seattle to San Diego, now have reliable access to electrified, idle-free parking spaces along the entire route. (California's State Route 99, which parallels I-5 in California's Central Valley, was included as part of this corridor because truckers often use it to avoid to avoid I-5 congestion.)

Shorepower pedestals provide truck drivers access to 120-volt (V), 208-V, or 240-V power to operate heating, cooling, and other auxiliaries as an alternative to engine idling. The cost is \$1 per hour. Seven of the 10 I-5 Shorepower locations also provide 480-V connections for hybrid refrigerated trailers (also called electric transport refrigeration units, or eTRUs).

"Taking advantage of the growing network of electric plug-in power pedestals is one good way truck fleets and operators can pocket more of their profits instead of burning them with idling truck engines," said Alan Bates, vice president of marketing for Shorepower Technologies.

STEP is a U.S. DOE project funded by the American Recovery and Reinvestment Act (ARRA) of 2009. For more information, please see www.truckpr.com/shorepower-technologies/2013/4/15/shorepower-pedestal-installation-in-lebec-calif-powers-up-an.html. (Map courtesy of Shorepower Technologies. Adapted with permission.)



OTHER NEWS OF INTEREST

White House Budget: 70% Reduction for DERA in FY2014

The White House's proposed budget for fiscal year (FY) 2014 allocates \$6 million—a 70% reduction from FY2013 funding levels—for EPA's Diesel Emissions Reduction Act (DERA) program. At its height, DERA funding for diesel emissions projects, including those related to idling reduction, was authorized at \$200 million annually.

DERA, created through the Energy Policy Act of 2005, was designed to improve air quality and public health. DERA has funded retrofits (including idling reduction technology), repowers, replacements, and other projects through a variety of programs. National competitive grant programs have included the EPA's National Funding Assistance Program, the SmartWay Clean Diesel Finance Program, and the Emerging Technologies Program. The State Grant Allocation Program has enabled states to fund emissions-

reduction projects of their choice. In January 2011, President Obama signed DERA's 5-year reauthorization, which allows up to \$100 million in annual appropriations.

In its recently released *Second Report to Congress: Highlights of the Diesel Emissions Reduction Program* (www.epa.gov/cleandiesel/documents/420r12031.pdf), the EPA states that DERA's 2008–2010 idling reduction projects alone have saved 205+ million gallons of fuel.

For more information about DERA and other White House–proposed transportation-budget funding for FY2014, please see fleetowner.com/fleet-management/transportation-offers-mixed-reaction-obama-budget.

Clean Cities National Parks Initiative Puts Idling Reduction To Work

The Clean Cities National Parks Initiative (CCNPI), a partnership of DOE's Clean Cities initiative and the National Park Service (NPS), supports National Park Service transportation projects that promote the use of renewable, domestic energy sources and lead to improved air quality. Launched in the spring of 2011, 13 parks have joined the effort so far.

According to the Energy Department, the current CCNPI projects will save the equivalent of nearly 10,000 gallons of gasoline and 71 tons of greenhouse gas emissions annually. While most of the projects focus on the use of alternative fuels, such as electricity, for park vehicles, some park projects incorporate idling reduction, including:

- **Yellowstone, Wyoming/Montana/Idaho, and Grand Teton, Wyoming:** Launch of a campaign to educate staff, concessioners, and visitors on the benefits of idling reduction.
- **National Mall and Memorial Parks, Washington, D.C.:** Installation of idling reduction technology on 20 fleet vehicles.
- **Rocky Mountain National Park, Colorado:** Installation of idling reduction technology on 9 fleet vehicles and idling reduction outreach and education.
- **Sleeping Bear Dunes National Lakeshore, Michigan:** Launch of a program to educate staff, concessioners, and visitors on the benefits of idling reduction and other fuel-saving driving habits.

According to Clean Cities, if just 25% percent of visitors at the 13 participating parks in the CCNPI reduced their idling by 5 minutes during their trip, it would save 192,000 gallons of fuel, and reduce greenhouse gas emissions by more than 2,000 tons.

For more information about the CCNPI and the participating parks, please go to energy.gov/articles/national-parks-move-transportation-forward-america-s-great-outdoors and www1.eere.energy.gov/cleancities/national_parks.html.

RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels Data Center (AFDC) of the U.S. 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 www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html and

www.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 www.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>	Missouri*	<i>North Carolina</i>	South Dakota	Wisconsin
Arizona	Georgia	Louisiana	Montana	North Dakota	<i>Tennessee**</i>	Wyoming
Arkansas	<i>Hawaii</i>	Maine	Nebraska	Ohio	Texas	
<i>California</i>	Idaho	Maryland	Nevada	Oklahoma	Utah	
Colorado	Illinois	Massachusetts	New Hampshire*	Oregon	Vermont	
Connecticut	Indiana	Michigan	New Jersey	Pennsylvania	Virginia	
Delaware	Iowa	Minnesota	New Mexico	<i>Rhode Island</i>	Washington	
<p>Legend: Allows a 400-lb exemption by law; Allows a 400-lb exemption by enforcement policy rather than by law; <i>Does not permit an APU weight exemption.</i> * = Legislation in process to increase the weight exemption to 550 lb. ** = A 550-lb exemption will take effect on July 1, 2013.</p>						

Summary of State and Municipal Idling Regulations

Many states and municipalities restrict idling. The recently launched IdleBase, (cleancities.energy.gov/IdleBase), which will be updated quarterly, 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) is 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 www.afdc.energy.gov/laws/. 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 northeastdiesel.org/funding.html; Mid-Atlantic Diesel Collaborative (Region 3), www.dieselmideatlantic.org/diesel/funding.htm; Southeast Diesel Collaborative (Region 4), www.southeastdiesel.org/funding.html; Midwest

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

- Argonne National Laboratory (www.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 (www.afdc.energy.gov/afdc/prep/)
- **Dynasys** (www.dynasysapu.com/savings-calculator)
- Energy Xtreme (www.energyxtreme.net/idle-reduction/calculator-quote)
- Espar (www.espar.com/html/service/calculator/calculator.html)
- Hotstart (www.hotstart.com/fuel-consumption-calculator/)
- Idle Free Systems (idlefreesystems.com/no-idle-elimination-solutions-for-sleepers.html)

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.

- Kohler Power Systems (www.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 (www.odysseybattery.com/fleet.html)
- Thermo King (www.thermoking.com/tripac/)
- Webasto (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 currently available in at least 33 states. AireDock, CabAire, EnviroDock, IdleAir, and Shorepower Technologies installations are listed at www.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 www.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 www.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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