

National Idling Reduction Network News

September 2010

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) | Clean Vehicle Rebate Project | \$4.1 million | First come, first served. | http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project |
| Wisconsin Department of Commerce | Diesel Truck Idling Reduction Grant Program | \$2 million | First come, first served. | http://commerce.wi.gov/bd/BD-CA-Diesel-Grant-Program.html |
| CARB | On-Road Heavy-Duty Vehicle Loan Program | ~\$48 million for loan guarantees | Rolling deadline until funds are awarded. | http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf |
| Climate Trust | Greenhouse Gas Offset Projects | \$8 million | Rolling deadline until funds are awarded. | http://www.climatetrust.org/apply.html |
| Efficiency Maine | Small Business Low Interest Loan Program | Indeterminate | Rolling deadline until funds are awarded. | http://www.energymaine.com/at-work-for-small-business/loan-programs |
| Minnesota Pollution Control Agency | Small Business Auxiliary Power Unit (APU) Loan Program | \$192,000 | Rolling deadline until funds are awarded. | http://www.pca.state.mn.us/programs/sb_loan.html#evaluation |
| Owner-Operator Independent Drivers Association (OOIDA) | Financial assistance for the installation of ~240 auxiliary power units (APUs) in EPA Regions 6 and 7 | \$1 million | Rolling deadline until funds are awarded. | (800) 444-5791 |
| Pittsburgh Public Schools, the Heinz Endowments, Clean Water Action, Group Against Smog and Pollution, and the Clean Air Task Force | Pittsburgh Healthy School Bus Fund | \$500,000 | Rolling deadline until funds are awarded. | http://www.dieselretrofitrebate.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—2010 Diesel Idle Reduction Campaign | N/A | Rolling deadline—the 15th of every month. | http://www.turnyouengineoff.org/campaign_recognition.html |

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|--|---|--|---|---|
| Society of Automotive Engineers (SAE) | Environmental Excellence in Transportation (E2T) Award | N/A | October 15, 2010 | http://www.sae.org/news/awards/list/e2t/ |
| North Central Texas Council of Governments (NCTCOG) | Diesel Idling Reduction Program | ~ \$1.08 million | October 22, 2010 | http://www.nctcog.org/trans/air/vehicles/investments/funding/index.asp |
| Northeast Diesel Collaborative (NEDC) | 1st Annual Northeast Diesel Collaborative Breathe Easy Awards | N/A | Nominations due October 22, 2010 | http://northeastdiesel.org/breathe-easy-awards.html |
| Alaska Department of Environmental Conservation | 2010 Diesel Emission Reduction Grant Solicitation | \$1.03 million | October 29, 2010 | http://www.dec.state.ak.us/air/anpms/dg/2010solicitation.htm |
| New York State Energy Research and Development Authority (NYSERDA) | Clean Energy Business Growth & Development Program Opportunity Notice 1260 | \$6.4 million | November 3, 2010 | http://www.nyserda.org/funding/1260pon.pdf |
| U.S. Department of Energy (DOE) | 2011 Phase I Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR) | ~ \$38 Million | November 15, 2010 | https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000413&agency=DOE |
| NCTCOG | North Central Texas Clean School Bus Program 2010 Call for Projects | ~ \$600,000 | November 19, 2010 | http://www.nctcog.org/cleanschoolbus |
| North Carolina Division of Air Quality | North Carolina State APU and 2010 Compliant Heavy-Duty Truck Rebate Program | \$181,000 (as of September 24, 2010) | March 31, 2011 (deadline extended) | http://www.ncair.org/motor/Rebates/ |
| Cascade Sierra Solutions | Great SmartWay Rebate Program (Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut) | ~\$600,000 (as of September 30, 2010) | May 31, 2011 (deadline extended) | https://secure.cascadesierrasolutions.org/ |
| Climate Change Central | Trucks of Tomorrow Rebate Program (Alberta, Canada) | Can\$2 million | December 31, 2011 | http://www.trucksoftomorrow.com/pages/trucking/index.php |

REGULATORY NEWS

California: 400-Pound Exemption Bill Fails, CARB 2009 Idling Fines Disclosed

In its 2010 legislative session, California lawmakers were unable to pass Assembly Bill (AB) 1772, which would have increased the maximum truck weight by 400 pounds for trucks equipped with idle reduction devices. Introduced by Assembly Member Tony Mendoza in February 2010, AB 1772 made it through the Assembly and to a Senate committee before dying upon session adjournment.

CARB has released its enforcement statistics for 2009, during which it conducted more than 9,500 inspections for commercial vehicle and school bus idling. More than 1,400 citations were written, with 996 settled and nearly \$300,000 collected in penalties. California limits idling of commercial vehicles to no more than 5 minutes. For more on CARB's 2009 enforcement statistics, please see http://www.arb.ca.gov/enf/reports/2009_enf_rpt.pdf.

Idling Reduction Ordinance Proposed in Salt Lake City

In Salt Lake City, Utah, Mayor Ralph Becker has proposed an ordinance that would ban motor vehicles from idling for more than 2 minutes. A first offense would result in a warning; second and subsequent offenses would result in fines ranging from \$210 to \$410. Penalties paid within 10 days, however, would be reduced by \$110, and penalties paid within 20 days would be reduced by \$70. The proposed ordinance has a number of

exemptions, including the use of heaters, air conditioners, and other equipment needed for safety or health. Salt Lake City's Civil Enforcement Division would be responsible for enforcing the ordinance. The "public discussion draft" of the proposed ordinance can be found at <http://www.slcgov.com/opencityhall/>.

AWARDS AND RECOGNITION

| ORGANIZATION | SOURCE OF FUNDING | PURPOSE OF GRANT | FUNDING |
|------------------------------------|---|--|---------|
| Baylor Trucking, Milan, Indiana | Indiana Department of Environmental Management (IDEM) | Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 53 battery-powered air-conditioning systems | Unknown |
| Celadon, Indianapolis, Indiana | IDEM | Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 345 diesel-fired bunk heating systems | Unknown |
| Crum Trucking, Batesville, Indiana | IDEM | Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 40 battery-powered APUs | Unknown |
| JAT, Fort Wayne, Indiana | IDEM | Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of 48 thermal storage cooling systems | Unknown |

| ORGANIZATION | SOURCE OF FUNDING | PURPOSE OF GRANT | FUNDING |
|------------------------------------|--|---|-----------|
| Primex Plastics, Richmond, Indiana | IDEM | Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of seven APUs | Unknown |
| Steel Dynamics, Pittsboro, Indiana | IDEM | Diesel emissions reduction projects, including the purchase, installation, operation, and maintenance of two automatic locomotive engine shutdown/restart systems | Unknown |
| Kansas City Southern Railway | Mid-America Regional Council (MARC) | Help fund the purchase and installation of automatic engine shutdown/startup devices on five locomotives | \$43,084 |
| Washington Department of Ecology | U.S. Environmental Protection Agency (EPA) | Purchase and installation of engine preheater and cabin heaters on 230 public school buses at numerous school districts in Washington State | \$875,972 |

UPCOMING MEETINGS AND EVENTS

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

| MEETING | LOCATION | DATE | WEBSITE OR CONTACT |
|--|--|-------------------------|---|
| CARB Public Workshops Regarding Amendments to the Off-Road Regulation, the Truck and Bus Regulation, the Drayage Truck Regulation, and the Tractor-Trailer Regulation | Fresno (with live video feed to the Modesto and Bakersfield offices of the San Joaquin Valley Air Pollution Control District) | October 12, 2010 | http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm |
| Green Fleet Conference 2010 | San Diego, California | October 18–19, 2010 | http://www.greenfleetconference.com/ |
| National Clean Diesel Campaign Conference | Washington, D.C. | October 19–20, 2010 | http://www.dieselforum.org/policy/retrofit/retrofit-events |
| Sustainable Shipping Conference | Miami, Florida | October 20–22, 2010 | http://www.sustainablesipping.com/events/2010/miami/ |
| Southeast Diesel Collaborative FY2011 Grant Application Workshop | Atlanta, Georgia | October 27, 2010 | http://www.southeastdiesel.org/ |
| Transportation Research Board (TRB) 90th Annual Meeting | Washington, D.C. | January 23–27, 2011 | http://www.trb.org/AnnualMeeting2011/Public/AnnualMeeting2011.aspx |
| Government Fleet Expo & Conference (GFX) | San Diego, California | June 6–8, 2011 | http://www.governmentfleetexpo.com/ |

PARKING SPACES FOR TRUCKS

New York and California Shutter Rest Areas

The New York State Department of Transportation (NYSDOT) has announced the temporary closure of six rest areas. The closures, which are planned in response to budget pressures, involve rest stops on Interstates 81, 87, 88, and 90. NYSDOT Acting Commissioner Stanley Gee stated that the closures will save \$500,000 this fiscal year and \$1 million annually in subsequent years. Highway rest areas scheduled to be closed as of November 1 include Brewerton/Hastings (I-81 southbound) and Schodack (I-90 westbound). Rest areas at Lewis (I-87 northbound), Schroon Lake (I-87 northbound), Worcester (I-88 eastbound), and Wells Bridge (I-88 westbound) will be closed as of December 1. NYSDOT will continue operating 32 other rest areas. For more information, please see <https://www.nysdot.gov/news/press-releases/2010/2010-09-24> and

http://www.landlinemag.com/todays_news/Daily/2010/Sept10/092710/092710-05.htm.

In California, according to *Land Line*, the California Department of Transportation closed seven rest areas at the end of September because of budget shortfalls. The closed rest areas are: Brookside, Cactus City, and White Water (all on I-10); Clyde V. Kane and Valley Wells (both on I-15); and Desert Oasis and John Wilkie (both on I-40). More information is available at

http://www.landlinemag.com/todays_news/Daily/2010/Sept10/092710/092910-02.htm.

ELECTRIFIED PARKING SPACES

IdleAire Launches Four More Sites

According to the company's website, IdleAire has opened four more locations. The newest locations include Pilot Travel Center, Hurricane Mills, Tennessee; Pilot Travel Center, Orange, Texas; Sapp Brothers, Salt Lake City,

Utah; and Love's Travel Stops, El Paso, Texas. For more information, please see <http://www.idleaire.com/>.

OTHER NEWS OF INTEREST

Pilot Study: Off-Peak Truck Delivery Offers Advantages

A pilot study funded by the U.S. Department of Transportation (DOT) on the benefits of alternative delivery hours provides another angle on idling reduction. Working with Rensselaer Polytechnic Institute and a group of stakeholders, the New York City Department of Transportation (NYC DOT) concluded the Off-Hour Truck Delivery Pilot program earlier this year and has published a draft final report. During the study, which included 8 delivery companies and 25 business locations, truck deliveries were made between 7:00 p.m. and 6:00 a.m. Findings included reduced travel times,

with travel speeds up to 75% faster. Standing times were also sharply reduced; trucks spent an average of 30 minutes stopped at curbside for delivery, compared to an average of 100 minutes before the pilot. All participants saw savings during the 4-month pilot, according to NYC DOT. Off-peak hours and shorter delivery times reduced congestion and emissions and, presumably, idling. See http://www.nyc.gov/html/dot/html/pr2010/pr10_028.shtml and <http://www.transp.rpi.edu/~usdotp/projects/main.php> for more information.

NASCO Seeking Information on Idling Laws

North America's Corridor Coalition, Inc. (NASCO) is assessing the consistency of state trucking laws and regulations, including those regarding idling. The area being evaluated includes 1,500 miles of I-35, plus I-94 and I-29 branches to the Canadian border; the roads pass through the states of Texas, Oklahoma, Kansas, Missouri, Iowa, Nebraska, Illinois, Michigan, South

Dakota, and North Dakota. NASCO is interested in the possibility of seeking legislative or regulatory changes to harmonize the laws where it makes sense. If you have information to contribute, please contact Frank Conde at frank@NASCOCORRIDOR.COM.

Another Reason to Avoid Idling . . .

Depending on where you drive, idling an unattended vehicle might land you a ticket, or even jail time. One consequence probably *not* anticipated is an unintended trade for an emissions-free vehicle.

On September 11, in Schaumburg, Illinois, a motorist left his car running while stopping to pick up a pizza. When he left the pizza shop, he found not his 2003 Hyundai Sonata, but a blue bicycle. "It's unknown if there is a

correlation [between the bike and the car] or not. There is an assumption that someone rode up on a bike, and stole the car," Sgt. John Nebl said. About leaving an unattended car running, Sgt. Nebl said, "Don't do it, period." For more information, see <http://triblocal.com/schaumburg/2010/09/14/driver-leaves-car-running-returns-to-bike-in-its-place/>.

IDLING REDUCTION OUTREACH

The purpose of this new section is to highlight signs and other communication products that convey the importance of idling reduction. The images this month address idling reduction near schools. Left, sign courtesy of the Minnesota Pollution Control Agency ([http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/motor-vehicle-pollution/school-bus-retrofits-and-idle-](http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/motor-vehicle-pollution/school-bus-retrofits-and-idle-reduction.html?nav=0)

[reduction.html?nav=0](http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/motor-vehicle-pollution/school-bus-retrofits-and-idle-reduction.html?nav=0)); middle, a sign in front of Clinton Elementary School, Clinton, Massachusetts, courtesy of *Worcester Telegram & Gazette* (<http://www.telegram.com/article/20100907/NEWS/9070358/0/news06>); and right, a sticker from the East Toronto Climate Action Group, <http://www.etcag.org/>.



RECURRING FEATURES

Currently Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center (AFDC) of the DOE Office of Energy Efficiency and Renewable Energy (EERE) identifies manufacturers of idle reduction equipment and provides links to their websites. More information is available at http://www.afdc.energy.gov/afdc/vehicles/idle_reduction_equipment.html.

For EPA-verified idle reduction technologies in eight categories, please visit EPA's SmartWay Transport website at <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm>.

Status of the 400-Pound Weight Exemption for Idling Reduction Devices

[Ed. note: The Energy Policy Act of 2005 allowed for a national 400-pound exemption for the additional weight of idling reduction technology on heavy-duty vehicles. Each state can adopt this exemption, at its own discretion, without being subject to any penalty provision related to withholding of highway trust fund monies.]

The following table is updated as we become aware of changes. As time permits, we will provide URLs so that interested parties, such as trucking companies, can work with their state trucking associations to be sure that enforcement officials are aware of changes in the laws. Please feel free to provide us with updates.

| State Recognition of the 400-Pound Auxiliary Power Unit 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 | |

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.

Summary of State and Municipal Idling Regulations

The most current information about idling regulations, for both states and municipalities, is available at http://atri-online.org/index.php?option=com_content&view=article&id=164&Itemid=70 and http://www.afdc.energy.gov/afdc/progs/all_state_summary.cgi?afdc/0.

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

Incentives and Funding Opportunities for Idling Reduction Projects

The DOE Clean Cities program provides a listing of federal and state programs that offer incentives and funding for idling reduction projects. Information can be found at http://www.afdc.energy.gov/afdc/progs/fed_summary.php/afdc/US/0. Let us know if any information needs to be changed or updated.

Additionally, the EPA Diesel Collaboratives offer news of available grant and loan programs. For the Northeast Diesel Collaborative (Regions 1 and 2), see <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

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.

- Argonne National Laboratory (<http://www.transportation.anl.gov/pdfs/TA/361.pdf>)
- Autotherm (<http://autothermusa.com/wordpress/calculate-idling-costs-savings/>)
- 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?sitePageId=40919&orgId=clcc>)
- Hotstart (<http://www.hotstart.com/fuel-consumption-calculator/>)
- Kenworth (<http://www.kenworth.com>)
- Kohler Power Systems (<http://www.kohlerpower.com/mobile/solutions/apucalculator.htm?selectionNumber=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)
- 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)

Locations of Electrified Parking Spaces

In collaboration with the U.S. DOT, the DOE Clean Cities program has 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 15 states. CabAire, EnviroDock, IdleAire, and Shorepower Technologies installations are listed at http://www.afdc.energy.gov/afdc/progs/tse_listings.php.

Another resource is the EPA SmartWay Interactive Activity Map, which

features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station. For more information, please go to 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. 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 retype the URL in your browser window.

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