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NATIONAL IDLING REDUCTION NETWORK NEWS

February 2007

SOLICITATIONS FOR FUNDING AND AWARDS

Organization	Project	Funding	Deadline	Website
NCTCOG	North Texas Emission Reduction grants for vehicular NO_x reduction projects, including on-site electrification and auxiliary power units (APU's)	~$5 million	Rolling deadline until funds are fully awarded	http://www.nctcog.org/trans/air/programs/terp/cfps/index.asp
New Jersey Department of Environmental Protection	New Jersey Trucker's Challenge	$750,000	Rolling deadline until funds are fully awarded	http://www.njmta.org/images/pages/Grant_Pre_Approval_Application.pdf
Wisconsin Department of Commerce	Diesel Exhaust Retrofit Grant (includes set-aside for vehicles equipped with idling reduction devices)	$50,000	Applications available starting March 19, 2007, for submission starting March 23, 2007	http://commerce.wi.gov/retrofitgrant
Federal Highway Administration (FHWA)	Broad agency announcement (BAA) for Exploratory Advanced Research Program	~$20 million over the next 3 years	March 30, 2007, for pre-proposals for projects to be funded in FY 2007	http://www.fbo.gov/spg/DOT/FHWA/OAM/DTFH61%2D07%2DR%2D00117/Combine%20Synopsis%5FSolicitation.html
California Air Resources Board (CARB)	Innovative Clean Air Technologies (ICAT) 2007 Grant Program	~$1 million	March 30, 2007, for application form	http://www.arb.ca.gov/research/icat/solicit.htm for application form and http://www.arb.ca.gov/research/icat/icat.htm for information

Organization	Project	Funding	Deadline	Website
U.S. Environmental Protection Agency (EPA)	2007 Pollution Prevention Grants Program	~$4.5 million	April 2, 2007	http://www.epa.gov/p2/pubs/grants/ppis/2007fpp2grant.htm for information and http://www.grants.gov/search/search.do?mode=VIEW&oppid=12426 for application form
U. S. Department of Agriculture (USDA)	Conservation Innovation Grants for Kansas	$200,000	April 2, 2007	http://www.grants.gov/search/search.do?oppId=12717&mode=VIEW
EPA	Community Action for a Renewed Environment (CARE)	~$2.7 million	April 9, 2007	http://www.epa.gov/air/grants/07-02.pdf
USDA	Conservation Innovation Grants for California	$375,000	April 20, 2007	http://www.grants.gov/search/search.do?oppId=12690&mode=VIEW
	Conservation Innovation Grants for Maine	$100,000	April 27, 2007	http://www.grants.gov/search/search.do?oppId=12575&mode=VIEW
FHWA	Intelligent Transportation Systems (ITS) Operational Testing to Mitigate Congestion	$100 million	April 30, 2007	http://www.grants.gov/search/search.do?mode=VIEW&oppId=11970
FHWA	BAA for FHWA Transportation Planning Cooperative Research	$650,000	April 30, 2007 for pre-proposals and June 25, 2007for invited proposals	http://www.fbo.gov/spg/DOT/FHWA/OAM/Reference%2DNumber%2DFHWA%2DBAA%2DHEPP%2D02%2D2007/listing.html
USDA	Conservation Innovation Grants for Idaho	$450,000	May 1, 2007	http://www.grants.gov/search/search.do?oppId=12577&mode=VIEW
EPA	Small Business Innovation Research Program	~$3 million	May 23, 2007	http://www.fbo.gov/spg/EPA/OAM/CMD/PR%2DNC%2D07%2D10155/SynopsisP.html
Ohio EPA	Clean Diesel School Bus Fund	<$1 million	September 1, 2007	http://www.epa.state.oh.us/oeef/html/schoolbus

PRESENTATIONS FROM MEETINGS

Meeting	Location	Date	Website or Contact
1st Pacific Ports Conference on Clean Air Policies and Strategies	Los Angeles, California	December 13-15, 2006	Presentations are now available at http://www.ppcac.org/production/index.php?lang=en, but registration is required on the site to access them.
CARB Shore Power Workgroup Meeting	Sacramento, California	January 11, 2007	The presentation is available at http://www.arb.ca.gov/ports/shorepower/shorepower.htm.
CARB Commercial Harbor Craft Public Workshop	Sacramento, California	February 16, 2007	The staff presentation is available at http://www.arb.ca.gov/msprog/offroad/marinevess/presentations.htm#021607.
CARB In-Use Off-Road Diesel Vehicle Rule Workshops	San Diego, Fresno, Sacramento, and Riverside, California	February 20, February 23, February 26, and March 1, 2007, respectively	http://www.arb.ca.gov/msprog/ordiesel/workshops.htm
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, 2007	Information will be posted soon at http://www.arb.ca.gov/ports/shorepower/shorepower.htm.

UPCOMING MEETINGS

Meeting	Location	Date	Website or Contact
CARB Shore Power Workgroup Meeting	Long Beach, California	March 20, 2007	http://www.arb.ca.gov/ports/shorepower/shorepower.htm
2007 Annual West Coast Collaborative Partnership Meeting	Sacramento, California	March 28, 2007	http://www.westcoastcollaborative.org/partners-mtg07.htm

Meeting	Location	Date	Website or Contact
West Coast Collaborative Agricultural Leaders Forum	Sacramento, California	March 29, 2007	http://www.westcoastcollaborative.org/ag-leadership-forum.htm
Alternative Fuels and Vehicles National Conference and Expo 2007	Anaheim, California	April 1-4, 2007	http://www.afvi.org/NationalConference2007/index.html
Mobilizing North Carolina	Greensboro, North Carolina	April 18, 2007	http://www.mobilizingnc.com
Workshop on Innovative Funding for Clean Diesel Initiatives	Philadelphia, Pennsylvania	April 23-24, 2007	http://www.marama.org/calendar/events/2007_04DieselFund.html
EPA Public Hearing on New Clean Locomotive and Marine Diesel Rule	Seattle, Washington, and Rosemont, Illinois	May 8 and May 10, 2007, respectively	http://www.epa.gov/otaq/marine.htm and http://www.epa.gov/otaq/locomotv.htm
Idle Less, Save More: the Tri-State Idle Reduction Conference	Willowbrook, Illinois	May 10, 2007	Contact Samantha.bingham@cityofchicago.org.
Faster Freight - Cleaner Air, Puget Sound	Seattle, Washington	May 16, 2007	http://www.ffcapugetsound.com/

AWARDS FROM SOLICITATIONS

NEDC Grant to Reduce Locomotives Emissions

The EPA Northeast Diesel Collaborative (NEDC) recently awarded $125,000 to the Port Authority of New York and New Jersey to retrofit five diesel locomotives utility track vehicles in New Jersey with idle reduction technologies to reduce diesel pollution. Part of the grant will also be used to add diesel oxidation catalysts to two or more of these utility track vehicles to reduce the impact of locomotive operations on the environment. For more information, please go to http://yosemite.epa.gov/opa/admpress.nsf/names/r01_2007-2-16_cleandiesel and http://www.northeastdiesel.org/.

NCSC Funds 2 Idling Reduction Projects

Among the eight projects recently funded by the North Carolina Solar Center (NCSC) at North Carolina State University through the Clean Fuel Advanced Technology Project are two awards to reducing idling of diesel vehicles. One project, with Duke Energy, will share the cost for purchasing two hybrid electric/diesel aerial trucks. The typical aerial utility truck spends a significant amount of time idling at job sites to provide auxiliary power for the aerial portion of the truck. With the hybrid units, the diesel engine shuts down when the aerial equipment is in operation, totally reducing emissions from idling the vehicle at job sites.

The second project, which is with Petro Stopping Center, will help to cover the costs of dedicating 10 parking spaces at its Mebane facility as a Truck Stop Electrification (TSE) project to reduce emissions from idling trucks. TSE for the 10 parking spaces will include a "power pod" and wiring to each of the spaces and will allow trucks equipped with electrical receptors to plug in for power needs. Free electricity will be provided at these plugs for the first year of operation.

Cost sharing of about 44 percent has come from the recipients. The projects are expected to be completed in the next 18 months. Another round of grants will be announced in March 2007.
More information is available at
http://www.ncsc.ncsu.edu/news/news_story.cfm?ID=279. *Source*: Anne Tazewell, NCSC

REGULATORY NEWS

Indiana, Maine Consider Bills to Help Truckers

The Indiana General Assembly has recently approved HB 1165, which would provide tax credits to individuals and corporations who purchase and install truck APU's in a qualified motor vehicle. To qualify, the motor vehicle must be classified as a heavy-duty vehicle under Federal law and be equipped with a sleeping compartment. The tax credit would be equal to 20 percent of the purchase price and installation cost of the APU and would be retroactive to January 1, 2007. As many as 24,000 Indiana-based truck drivers could be eligible. The bill has been forwarded to the Tax and Fiscal Policy Committee in the Indiana Senate. For more information on this bill, please see *Land Line* of February 27, 2007,
http://www.landlinemag.com/todays_news/Daily/2007/Feb07/022607/022707-04.htm, and
http://www.in.gov/legislative/bills/2007/HB/HB1165.1.html.

Maine has taken steps to implement the weight waiver for APU's allowed by the Energy Policy Act of 2005. If enacted into law, LD 265 would exempt the weight of an APU weighing up to 400 pounds in heavy-duty diesel vehicles weighing over 8,500 pounds. More information can be found in *Land Line* of February 7, 2007,
http://www.landlinemag.com/todays_news/Daily/2007/Feb07/022607/

022807-07.htm and http://www.mainelegislature.org/legis/bills/billtexts/LD026501.asp.

EPA Seeks Comments on Locomotive, Marine Emissions

EPA is proposing a new rule, the Clean Air Locomotive and Marine Diesel Rule, to eliminate emissions from unnecessary locomotive idling and is asking for comments on a concept to reduce emissions from existing marine diesel engines when they are remanufactured. This proposal is part of EPA's ongoing National Clean Diesel Campaign (NCDC) to reduce harmful emissions from diesel engines of all types. The draft regulatory impact analysis can be found at http://www.epa.gov/otaq/regs/nonroad/420d07001.htm. More information is available at http://www.greencarcongress.com/2007/03/epa_proposes_ru.html.

NEWS ABOUT PORTS

IEEE Begins Standard for Shore Power

The Institute for Electrical and Electronics Engineers (IEEE) has begun to develop the uniform standard for connecting commercial ships to shore power. Work on this international standard, IEEE P1713, "Electrical Shore-to-Ship Connections," responds to the likelihood that many ports will encourage or require vessels to access shore-based power during their time in port as a way to reduce air pollution.

The standard will offer recommended practices for all electrical system components needed when bringing power from shore to commercial ships, which often require more than 5 MW of power. Components covered include the shore power supply, shore connection boxes, cable connections, ship incoming panel, and control system. IEEE P1713 also will address safety considerations and system maintenance and inspection.

This standard will recommend best practices to protect industry investment and promote universal connectivity. It also will foster coordinated development of analytical techniques, port infrastructure, and shipboard electrical plants to aid implementation of the "any ship, any port" concept. Additional information about this project can be found at http://standards.ieee.org/announcements/pr_P1713_new.html. Source: Joe Tario, New York State Energy Research and Development Authority (NYSERDA)

HYBRID COMMERCIAL VEHICLES

FedEx Puts More Medium-Duty Hybrids in Service

Four new FedEx medium-duty hybrid electric trucks are being put into service in Denver, Colorado, as the company plans to expand its hybrid fleet to 93 vehicles in 5 cities. In the company's view, these hybrids show commitment to a clean environment and offer a way to bring down the cost per vehicle. The delivery trucks, which have been developed in cooperation with Eaton Corporation and Environmental Defense, decrease soot by 96 percent and NOx by 65 percent; in addition, the trucks travel 57 percent farther on a gallon of fuel while reducing fuel costs by over a third compared to diesel-only vehicles. More information is available at http://www.fleetowner.com/equipment/news/fedex_md_hybrids_service/index.html.

EPRI Leads Partnership to Develop Plug-In Hybrid Utility Truck

The Electric Power Research Institute (EPRI) is partnering with Eaton Corporation, Ford, and the South Coast Air Quality Management District (SCAQMD) to develop a plug-in hybrid utility trouble truck. SCAQMD is contributing $300,000 to the $1.6 million project. Other partners in the project include Southern California Edison (SCE), Los Angeles Department of Water and Power (LADWP), and Pacific Gas and Electric (PG&E), who have contributed $900,000 in total.

The truck will be based on Ford's F-550 truck and will have plug-in capability with a goal of 20 miles of all-electric range for the vehicle, as well as 5 kW of export power for customers and accessory tools. In the second phase of the project, the scope will be expanded to 50 trucks and Ford's E-450 based vans. The F-550 truck will be equipped with a 6.0L V-8 diesel engine or a 6.8L V-10 gasoline engine and will use a parallel hybrid propulsion system. The battery pack will be recharged though regenerative braking, which recaptures energy lost during braking.

SCE, PG&E and LADWP will each test the plug-in hybrid truck for durability and reliability as well as to determine final vehicle specifications for Phase 2. PG&E and SCE will

Typical "Trouble" Truck (photo from EPRI)

demonstrate the diesel plug-in truck while PG&E and LADWP will test the gasoline truck. For more information on this project, please see http://my.epri.com/portal/server.pt?space=CommunityPage&cached=true&parentname=ObjMgr&parentid=2&control=SetCommunity&CommunityID=221&PageIDqueryComId=0, plug in "plug-in hybrid trouble truck" into the search box, and look for the supplemental project dated 2/21/2007 (product ID 1014812). *Source*: Shefali, Ranganathan, Environmental and Energy Study Institute (EESI)

Hybrid School Buses Arrive in Florida

As mentioned in the July 2006 issue of this newsletter, school bus fleets are beginning to receive hybrid school buses from a Buyers Consortium organized by the Hybrid School Bus Project. Manatee school district in Florida recently took ownership of the first hybrid school buses in the State. The district received two 71-seater buses, which are powered by a V-8 engine and use an 80-W electric drive system. The buses are capable of recharging the battery pack through regenerative braking. The buses will join the district's fleet of 250 buses, all of which run on biodiesel.

The Manatee district received a grant of $50,000 to purchase the buses, which are expected to improve fuel economy to 12 miles per gallon (up from 9 miles per gallon), helping the school district to save on fuel costs. The buses were purchased through a Buyers Consortium of school districts across the country seeking to lower the cost premium associated with the purchase of these advanced technology buses. Currently, the buses cost $225,000, a significant premium over comparable diesel school buses. Ten other States will receive hybrid school buses through the consortium.

Last year, the Hybrid School Bus Project coordinated by North Carolina-based Advanced Energy issued a request for bids for the manufacture of these buses. School bus manufacturer IC Corporation, in partnership with Enova Systems, responded to this request and won the bid to produce these buses. Volume purchases can help bring down the per bus cost while helping to build the market for this technology. More information about this project is available at http://www.hybridschoolbus.org/. *Source*: Shefali Ranganathan, EESI

Hybrid Tug Boats to Reduce Emissions at POLB

The Port of Long Beach (POLB) is sponsoring a new hybrid engine tug boat project to reduce emissions. The port will contribute $500,000 to the $8 million project, with the tug to be built by Foss Maritime. The vessel's hybrid engine will use diesel power for normal operations but switch to an electric engine during idling, much like a hybrid car. It will be "the first of its kind in the world," according to the port authority. Emissions from the hybrid engine will be reduced by at least 44 percent and fuel economy improved by 30 percent. The tug will cost around $3 million more than a conventional configuration and the Port of Los Angeles may also contribute to the project.

Construction is expected to begin this year, and the new tug will enter into operations in 2008. For more information, please go to http://www.portworld.com/news/2007/02/67122. Source: Joe Tario, NYSERDA

OTHER NEWS OF INTEREST

CAB Works to Reduce Idling in Central Pennsylvania, Engages DEP to Monitor Air Quality

The Clean Air Board (CAB) of Central Pennsylvania, a faith-based citizens' group from Carlisle, is actively working to limit idling of the trucking and warehouse industry in its environs. Board members appeared before the Pennsylvania Environmental Quality Board on January 17, 2007, to ask for legislation to limit diesel idling to 5 minutes in every hour after April 2010. Until then, CAB wants to limit idling to terminals, truck stops, and state-designated rest areas when temperatures are below 40°F or above 80°F.

The Environmental Quality Board moved the request to the Pennsylvania Department of Environmental Protection (DEP), which has until mid-April to suggest any changes before the proposal can move forward in the legislative process. It could take as long as 1-3 years before legislation could be in place.

CAB members say that Pennsylvania has become a haven for interstate truckers taking their required 10-hour breaks because it is the only State in the Mid-Atlantic region that has no restrictions on idling. CAB's position is that a 5-minute limit would be consistent with Delaware (3 minutes), Maryland (5 minutes), New Jersey (5 minutes), and New York (5 minutes). Because of its location at the intersection of Interstates 81 and 76 (the Pennsylvania Turnpike), Carlisle sees a great deal of truck traffic.

The Pennsylvania Department of Environmental Protection (DEP) has recently announced that it install a stationary air monitor to gauge the amount of pollution in the area. More information is available at http://www.cumberlink.com/articles/2007/02/05/news/news444.txt, http://www.cleanairboard.org, http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=4420, http://www.cumberlink.com/articles/2007/02/23/news/news179.txt, http://www.pennlive.com/news/patriotnews/index.ssf?/base/news/1172286614212770.xml&coll=1, http://www.cumberlink.com/articles/2007/02/23/news/news185.txt, and http://www.pennlive.com/news/patriotnews/index.ssf?/base/news/1173318930258400.xml&coll=1.

Canada Announces "ecoFreight" Program

Transport Canada has unveiled a 4-year Can$61 million environmental strategy, dubbed "ecoFreight," that will affect all modes of transportation, including trucking. The program includes Can$6 million to reduce provincial barriers to harmonization of adoption of emission-reducing technologies, including nationwide weight allowances for idling reduction equipment and other fuel-saving components. The six components of the program include anti-idling campaigns (in conjunction with Natural Resources Canada) and a Can$6 million Marine Shore Power Program for ships docked in major urban centers. While all components of the program are not yet firm, there is some hope from the Canadian Trucking Alliance that a rebate program will be reinstated for in-cab heaters. More information is available at http://www.tc.gc.ca/programs/environment/ecotransport/ecofreight.htm, http://www.fleetowner.com/management/news/canada_funds_ecofreight/index.html, and http://www.cantruck.com/news/news/2007/ctapr_2007_02_15_124129_rt.php3.

REGULAR FEATURES

How to Find Back Issues of National Idling Reduction Network News

If you are a new subscriber or have misplaced an issue of this newsletter, all issues are located at http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html. Please update your bookmarks accordingly. Also, be mindful that web links may expire or move over time, and some sources require registration. If you have trouble opening a link, try copying and pasting it or retype it in the address box of your browser.

Summary of State Anti-Idling Regulations

The most up-to-date lists of anti-idling regulations in States and municipalities are available at http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf and http://www.epa.gov/smartway/documents/420b06004.pdf. If your State or municipality has changed anything listed here or if the information listed is in error, please let us know, and we'll make sure to inform our readership. This newsletter is also a place to let people know that you are thinking of adding or changing regulations and are soliciting comments.

Incentives and Funding Opportunities for Idling Reduction Projects

The U.S. Department of Energy's Clean Cities program provides a listing of Federal and State programs that offer incentives and funding for idling reduction projects. Further information can be found at http://www.eere.energy.gov/cleancities/idle/incentives.html. Let us know if the information needs to be changed or updated.

The West Coast Diesel Collaborative has a comprehensive listing of grant and loan programs available from many States to purchase or apply for a loan for on-board idling reduction equipment. For the listing of these programs, please go to http://www.westcoastdiesel.org/programs.htm.

Clean Cities Web Site Now Offers TSE Locator

The DOE Clean Cities web site shows the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in 11 States (Alabama, Arkansas, California, Georgia, Maryland, North Carolina, New Jersey, New York, South Carolina, Tennessee, and Texas). Both IdleAire and Shurepower installations area listed in this locator. For more information, please go to http://www.eere.energy.gov/cleancities/idle/station_locator.html.

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