

NATIONAL IDLING REDUCTION NETWORK NEWS

February 2006



SOLICITATIONS FOR FUNDING AND AWARDS

CARB Solicits Applications for ICAT Grants

The California Air Resources Board's (CARB) Innovative Clean air Technologies (ICAT) grant program is soliciting applications for grants to be approved in November 2006. Instructions on how to apply are now available at <http://www.arb.ca.gov/research/icat/solicit.htm>. This year, CARB has received additional funding for the ICAT program, and as a result, it will give greater consideration to grants of larger amounts than historically awarded under ICAT. The increased funding is available for qualified projects involving innovative air-pollution-control technologies and air-monitoring technologies. An application in the form of a pre-proposal, as described in the instructions, must be e-mailed to CARB by March 31, 2006. Information about ICAT is at <http://www.arb.ca.gov/research/icat/icat.htm>.

Please contact Kevin Cleary, ICAT manager, at (916) 323-1505 or kcleary@arb.ca.gov, if you have questions.

NYSERDA Seeks Advanced Transportation Technologies

The New York State Energy Research and Development Authority (NYSERDA) Program Opportunity Notice (PON) 1003 seeks proposals to support the development, demonstration, and commercialization of innovative transportation products, systems, and services. Two rounds are scheduled under this PON, and the total available NYSERDA funding is \$3 million. All, or none, of the available funds could be allocated in either round. Proposals for the first round are due on Wednesday, April 26, 2006; proposals for the second round are due on Wednesday, September 27, 2006. Please visit <http://www.nyserdera.org/funding/funding.asp?i=2> for more information. Source: Colleen Ryan, NYSERDA

USDA Announces Grants and Loans for Efficiency, Renewable Energy

The U.S. Department of Agriculture (USDA) recently announced that \$11.385 million will be available for competitive grants and \$176.5 million for guaranteed loans to purchase renewable energy systems and make energy-efficiency improvements. The funds are available for agricultural producers and rural small businesses under the USDA's Renewable Energy Systems and Energy Efficiency Improvements Program. For renewable energy systems, the minimum grant request is \$2,500, and the maximum is \$500,000. For energy-efficiency improvements, the minimum acceptable grant request is \$1,500, and the maximum is \$250,000. Grant applications are due by Friday, May 12, 2006, and loan applications are due by Monday, July 3, 2006. Further information begins on the program web site at

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Further information begins on the program web site at <http://www.rurdev.usda.gov/rbs/farmbill/index.html>. Source: *EERE Network News* of February 22, 2005, <http://www.eere.energy.gov/news/enn.cfm>

USDA Offers \$20 Million for Conservation Innovation Grants

USDA has announced the availability of \$10 million in funding for competitively selected proposals from State and local governments, nongovernmental organizations, federally recognized Indian tribes, and individuals for Conservation Innovation Grants. This solicitation has a national and State-level component. Proposals are due on Monday, March 20, 2006, for the national solicitation; deadlines for the State-level solicitations can be found by clicking on the link for each State at <http://www.nrcs.usda.gov/programs/cig/statecomponent.html>. Information on both competitions can be found at <http://www.nrcs.usda.gov/programs/cig/index.html>. Source: Peter Murchie, U.S. Environmental Protection Agency (EPA), Region 10

SmartWay Seeks Nominations for 1st Annual SmartWay Excellence Awards

EPA's SmartWay Transport Partnership plans to recognize accomplishments of its partners who have helped to make the fledgling program a success. These awards are designed to recognize organizations that have made significant contributions to protecting the environment through their participation in SmartWay. EPA is accepting nominations for the SmartWay Excellence Awards through Friday, June 30, 2006. SmartWay Transport partners, affiliates, and individuals are eligible for consideration. The SmartWay Transport Partnership Annual Awards will be presented at the American Trucking Associations and NAEM (formerly National Association for Environmental Management) conferences in October 2006. For more information about the awards process, please visit <http://www.epa.gov/smartway/instructions.pdf>, or contact Annie Kee at kee.annie@epa.gov or (202) 343-9218.

ANNOUNCEMENTS OF FINANCIAL AWARDS

EPA Awards Grants to Two School Districts for Idling Reduction Efforts

EPA recently announced the award of \$7.5 million to 37 school districts around the country for cost-shared projects related to lowering diesel emissions in school bus fleets. Among the Clean School Bus USA grants were two for idling reduction efforts in Pinellas County, Florida, and the South Carolina Department of Education. Part of the \$150,000 grant to the School Board of Pinellas County will be used to carry out idling reduction strategies, while part of the \$499,099 grant to South Carolina will be used to conduct an idling reduction equipment pilot project. Further information is available at <http://www.epa.gov/cleanschoolbus/funding.htm> or by contacting Jennifer Keller at (202) 343-9541 or keller.jennifer@epa.gov.

Pennsylvania DEP Makes Award to Truck Stop for Idling Reduction

The Pennsylvania Department of Environmental Protection (DEP) has just invested \$3.7

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million in Alternative Fuel Incentive Grants, which are being matched by more than \$16 million in private funds. This program has recently been expanded so that DEP can fund projects at higher percentages of the total cost. This round of funding will provide \$137,864 to the Walt Whitman Truck Stop in Philadelphia to purchase and install the Shurepower system so that truckers can power heating and cooling units and small appliances without running their engines. For more information, please go to <http://www.ahs.dep.state.pa.us/newsreleases/default.asp?ID=3813&varQueryType=Detail>.

UPCOMING MEETINGS

Stakeholder Meeting for Houston-Galveston-Brazoria Area Slated for March 22

The Texas Commission on Environmental Quality (TCEQ) will be hosting a public stakeholder meeting on March 22, 2006, in Houston to discuss the status of the Houston-Galveston-Brazoria Area Non-Road Mobile and On-Road Mobile Control Strategy Development. The meeting will be held twice on that day and will cover both strategies. For more information, please go to <http://www.h-gac.com/HGAC/Departments/Transportation/Air+Quality/default.htm>. Source: Koy Howard, TCEQ

Fueling Economic Solutions to be Theme of Clean Cities Congress and Expo 2006

The Clean Cities Congress and Expo 2006 will be held in Phoenix, Arizona, on May 7-11 this year and will focus on "Fueling Economic Solutions." Among the sessions to be held will be one entitled "SmartWay Forward: Truckers Idle No More." With an expected 1,500 attendees and 75 exhibitors, this is the largest alternative fuel and vehicle technology gathering in the world, according to the conference website. For further information, please go to <http://www.afvi.org/PhoenixCongress2006/>.

CONGRESSIONAL UPDATE

Granger Re-Introduces House Bill for Anti-Idling Tax Credits

Rep. Kay Granger (R-Texas) has re-introduced legislation that would allow a 25-percent tax credit of up to \$1,000 for the purchase of idling reduction equipment for heavy-duty diesel trucks. By purchasing such equipment, the trucker could turn off the main engine and save fuel in heating and cooling the cab and running small appliances. Rep. Granger has unsuccessfully introduced this legislation in the past, and there is no guarantee that her Idling Reduction Tax Credit Act of 2006 will fare any better than her past efforts. Under the bill, the Environmental Protection Agency and the Secretary of Energy would certify which APU's meet appropriate standards to qualify for the tax credit. For more information, please go to <http://kaygranger.house.gov/news.asp?FormMode=Detail&ID=243>. Source: Transport Topics, <http://www.ttnews.com/members/topNews/0014731.html> and Land Line of February 7, 2006, http://www.landlinemag.com/todays_news/Daily/2006/Feb06/020706.htm#4

ATA, OOIDA Endorse Granger Bill

Both the American Trucking Associations (ATA) and the Owner-Operator Independent Driver's Association (OOIDA) have endorsed the Idling Reduction Tax Credit Act of 2006

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introduced by Rep. Kay Granger (R-Texas). In Canada, FleetSmart already offers rebates on the purchase of approved anti-idling devices, such as APU's. For more information, please go to <http://www.truckline.com/NR/exeres/16FB130A-CB63-40A3-B699-8990D83AB803.htm> and http://www.landlinemag.com/todays_news/Daily/2006/Feb06/020706.htm#4.

REGULATORY NEWS

CARB Names New Chair

Dr. Robert F. Sawyer was appointed Chair of CARB in December 2005. Dr. Sawyer is Class of 1935 Professor of Energy Emeritus at the University of California at Berkeley, where he conducted extensive research and taught air-quality science, emissions control, energy conversion, and other subjects since 1966. He is also a partner in Sawyer Associates, an air-pollution consulting firm. Dr. Sawyer holds a Ph.D. in aerospace science and a Master of Arts degree in aeronautical engineering from Princeton University. In addition, he earned Master of Science and Bachelor of Science degrees in mechanical engineering from Stanford University. For further information, please see <http://www.arb.ca.gov/board/chair.htm>.

PRESENTATIONS NOW AVAILABLE

Presentations from Chesapeake Bay Foundation Idle Reduction Technology Workshop Up on Web Site

Presentations from manufacturers who spoke at the 1-day Idle Reduction Technology Workshop sponsored by the Chesapeake Bay Program and others on Monday, January 30, 2006, are now available at <http://www.chesapeakebay.net/calendar.cfm?EventDetails=6959&DefaultView=2&RequestDate=01/26/2006>

SMARTWAY NEWS

EPA, NATSO Reach Anti-Idling Agreement

EPA and the National Association of Truck Stop Operators (NATSO) are working on an agreement to reduce idling at truck stops. Paul Bubbosh, EPA Headquarters staff, said that EPA will encourage SmartWay carrier partners to use truck stops that join the SmartWay program. According to the draft agreement, a truck stop could join as a partner by designating "an idle-free zone for 50 percent of the truck parking lot," or by "deploy[ing] electrified parking spaces for 50 percent of the truck parking lot or at least 50 spaces" and making the rest of the lot an idle-free zone. For more information, please see Transport Topics Technology Briefs of February 21, 2006, at <http://www.ttnews.com/members/topNews/0014826.html#story3>.

EPA, Freight Industry Enumerate Environmental Successes and Fuel Savings

The 2-year old SmartWay Transport Partnership announced its joint successes with industry at the American Trucking Associations Winter Leadership Meeting in Tampa, Florida, this month. To date, SmartWay projects have saved 283.6 million gallons of fuel per year and expect to save 3.1 million tons of carbon dioxide, 22,000 tons of nitrogen oxide, and 800

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tons of particulate matter on an annual basis by 2007. These fuel savings and emissions reductions translate to the equivalent of emissions from nearly 550,000 cars or about 390,000 homes heated in the United States. SmartWay also welcomed the signing of the 300th SmartWay partner, Dupré Transport at the meeting. The number of partners has increased almost six-fold since the program's launch. Partners include truck carriers, freight shippers, and rail carriers, among others. For more information, please see <http://yosemite.epa.gov/opa/admpress.nsf/a8f952395381d3968525701c005e65b5/9d1d0d1c717ee50685257114006c6f4f?OpenDocument>. *Source:* Roxanne Smith, EPA Headquarters

TRUCK STOP ELECTRIFICATION

IdleAire Begins Growth Spurt

As a result of a \$320 million bond issue (see January 2006 newsletter), IdleAire has begun its expansion program. IdleAire will be installing its technology at 210 new locations, starting with the Pilot Travel Center in Laredo, Texas, and the Travel Centers of America truck stop in New Braunfels, Texas. The company is seeking approvals for plans to install its equipment at CalArk's terminals in Laredo and Mabelvale, Arkansas, and at Arrow Trucking's terminal in Tulsa, Oklahoma. For more information, please go to http://fleetowner.com/news/idleaire_install_022406/ or <http://www.idleaire.com>.

PUBLICATIONS

ATRI Releases Survey of Fleet Preferences for Idling Reduction Technology

The American Transportation Research Institute (ATRI), the trucking industry's not-for-profit research organization, has released its survey on the idling habits of more than 55,000 trucks. The survey provides a fairly comprehensive profile of idling of heavy-duty trucks and their use of idling reduction technologies. The report was prepared for NYSERDA using funding from the U.S. Department of Energy Clean Cities Program. The results were unveiled in Tampa, Florida, at the 2005 Winter Leadership Meeting of the American Trucking Associations.

The "Idle Reduction Technology Fleet Preferences Survey" presents trucking company views on several idling-related topics and includes impacts of idling regulations and current and future planned use of idling reduction technologies. Participants have already spent more than \$8.8 million equipping sleeper cabs with on-board idling reduction technologies. Over the next 5 years, participants are expected to spend an additional \$56 million to further deploy these technologies. According to the report, trucking companies seem to be investing more in idling reduction technologies. In general, users seem to be satisfied with the performance of these technologies, although costs appear to be higher than most are willing to pay. Nevertheless, the use of idling reduction technologies is expected to expand. For more information, please go to <http://atri-online.org/research/results/Idle%20Reduction%20Technology%20Fleet%20Preferences%20Survey.pdf>. *Source:* Mike Tunnell, ATRI



Four Reports on Truck Stop Electrification Now Available on NYSERDA Web Site

NYSERDA has sponsored and completed several demonstration projects dealing with truck stop electrification, and there are now three reports on their website discussing the data from IdleAire and Shurepower demonstration projects in New York State. The fourth report deals with electrified trailer refrigeration units. The oldest, from September 2004, is titled "Installation and Economics of a Shorepower Facility for Long-Haul Trucks." In January 2005, NYSERDA published "Summary of Operations: Truck Stop Electrification Facilities on the New York State Thruway." In June 2005, the agency published "Electric-Power Trailer Refrigeration Unit Market Study and Technology Assessment." Lastly, this past December, NYSERDA released "Summary of Operations: Fleet Demonstration of Shorepower Truck Electrified Parking on the I-87 Northway." For more information, please go to <http://www.nyserdera.org/publications/default.asp>, and look for "R&D Technical Reports – Transportation." Source: Linda Gaines, Argonne National Laboratory

OTHER NEWS OF INTEREST

New Oregon APU Service Center to Open

The Oregon Department of Energy (ODOE) has recently provided a State energy loan of \$860,000 to the Lane Regional Air Pollution Authority (LRAPA) to pay for installation of APU's in more than 100 trucks. LRAPA also took advantage of a tax credit of \$360,000 to offset project costs. ODOE will provide an additional State energy loan of \$2.5 million to install another 250 APU's. As a result, within the coming month, the Energy and Engine Technology Corporation will open an installation center in Portland. The company will conclude three agreements with dealers this week, with each dealer committing to buy between 3 and 500 units a year. The installation and sales will generate 30 new jobs in the first year alone. The initial investment will save an estimated 216,000 gallons of diesel fuel a year, about \$500,000 at current fuel prices. Ultimately, follow-on investments will save nearly 600,000 gallons of diesel fuel annually, nearly \$1.5 million at current prices. For more information, please go to <http://www.bend.com>. Source: Joe Tario, NYSERDA

Neighbors Satisfied with No-Parking Policy at Ohio Wal-Mart

Residents who live near a Wal-Mart Supercenter in Canal Winchester, Ohio, seem pleased that trucks are no longer idling in the parking lot overnight and on weekends. In response to neighbors' complaints, Wal-Mart posted signs forbidding parking, and as a result, trucks have not been parked or idling for the past month. For more information, please go to <http://www.thisweeknews.com/thisweek.php?edition=CanalWinchester&story=thisweeknews/022306/CanalWinchester/News/022306-News-101699.html> or http://www.landlinemag.com/todays_news/Daily/2006/Jan06/013106.htm#8.

Toronto Residents Fuming Over Idling Vehicles

Torontonians will have to wait until fall 2007 to get relief from idling vehicles. At that time, city vehicles and Toronto Transit Commission (TTC) buses will have devices installed that will automatically turn off vehicles that idle for more than 3 minutes. Until that time, bylaw officers are providing hit or miss enforcement of the anti-idling law, for which

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violators could be subject to fines of up to Cdn\$5,000. Under the bylaw, drivers are prohibited from idling their vehicles for more than 3 minutes, except when temperatures are above 27°C (81°F) or below 5°C (41°F). For more information, please go to http://www.nowtoronto.com/issues/2006-02-02/news_cityinbrief_p.html. *Source:* Darlene Varaleau, Repair Our Air

Idling Passenger Vehicles in the Yukon to be Focus of New Study

Natural Resources Canada (NRCan) is looking into why residents of the Yukon tend to idle their passenger vehicles more than in other parts of Canada. Early indications are that public education is needed to convince drivers that modern automobile engines no longer need extensive idling time to warm up. As part of its One-Tonne Challenge, NRCan provides tips on ways to save fuel during the winter and reduce greenhouse gases, such as using block heaters to warm the engine, minimizing the use of remote starters, and driving slowly for a few minutes instead of idling the engine. Further information is available at <http://www.climatechange.gc.ca/onetonne/english/tips/wintertips.asp>. *Source:* Darlene Varaleau, Repair Our Air

EPA Launches Another Diesel Emissions Collaborative

Following the pattern of the very successful West Coast Diesel Collaborative along the I-5 corridor, the Central States have formed the Blue Skyways Collaborative focusing on I-35. This Interstate runs through the Nation's midsection to both Canada and Mexico. The public-private partnership aims to cut diesel emissions from trucks, construction equipment, and farm machinery; to implement the use of alternative energy sources; and to look for innovative ways to curb pollution everywhere from rail yards to airports. While there is about \$9.3 million for various projects, the Collaborative itself is largely unfunded. Eight of the States in EPA's Regions 6 and 7 plus Minnesota, Mexico, and Canada are participating in this initiative. Truck stop electrification and using hybrid switcher locomotives were among the subjects of discussion at the 2-day kick-off meeting. For more information, please go to http://enn.com/today_PF.html?id=9900 and <http://www.radioiowa.com/gestalt/go.cfm?objectid=83D1146C-1BF7-4020-94EB920F15CCF437>. *Source:* Jeff Kim, Shurepower

RAILROAD NEWS

BNSF Holds Community Forum in Barstow

In June 2005, Burlington Northern Santa Fe (BNSF) Railway, Union Pacific Railway, and CARB signed a Memorandum of Understanding (MOU) that would significantly reduce diesel fuel emissions near California rail yards. As part of that agreement, which also requires getting input from local communities and providing information to citizens near the rail yards, BNSF recently held a public forum in Barstow, California, to provide information and hear from affected residents. BNSF laid out its plans to lower toxic emission from diesel engines. One of the major goals of the MOU is for the railroads to create a State-wide idling reduction program, which uses idling reduction devices and trains employees not to idle locomotives any longer than necessary. BNSF solicited help from the community in terms of reporting idling locomotives that are idling for long periods of time. For more

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information, please see <http://www.desertdispatch.com/2006/113638515566953.html>. Source: Joe Tario, NYSERDA

SCHOOL BUSES

12 Pima County School Districts Aim to Reduce Bus Idling

After the success of the School Bus Idling Pilot Program run by the Arizona Department of Environmental Quality, the program has become a Statewide one. Initially there were 7 school districts of which three were in the Tucson area; now 9 more Pima County districts have adopted the policy to reduce the amount of time that school buses idle on campus and have been joined by roughly 140 around Arizona. Key elements of the School Bus Idling Program include having drivers turn off buses upon reaching a school or other location and not turning on the engine until the vehicle is ready to depart; parking buses at least 100 feet from a school air intake system; and posting appropriate signage advising drivers to limit idling near the school.

In April or May of this year, the Pima County School District will extend the minimal idling policy to all district vehicles. Signs will be posted encouraging both drivers of school buses and delivery trucks not to leave their vehicles running any longer than necessary. Parents will also be encouraged to follow this policy. For more information, please go to <http://www.azdeg.gov/function/news/2006/feb.html#0209c>. Source: Joe Tario, NYSERDA

NEWS ABOUT PORTS

Port of Los Angeles Leases to Reduce Emissions

On February 2, 2006, the Los Angeles Board of Harbor Commissioners announced that all new leases at the Port of Los Angeles (POLA) would contain emission-reduction provisions. POLA would require the use of clean Alternative Maritime Power (AMP, or cold-ironing technology), as appropriate, dockside so that ships would be able to plug into shore-side electric power and avoid the need to idle. Provisions of this new leasing policy, particularly ones pertaining to environmental programs, will be addressed not only at the creation of leases, but during the regular review periods of all leases, typically every 2-5 years. The full text of Port of Los Angeles Leasing Policy can be found on the Port's web site at http://www.portoflosangeles.org/DOC/POLA_Leasing_Policy_020106.pdf. The International Longshore and Warehouse Union (ILWU) has come out in favor of this effort and plans to work with the companies that employ the "greener" approaches to reducing emissions and saving fuel. More information on the ILWU position is available at <http://www.ilwu.org/press/2006/upload/ILWU%20Green%20Ports%20Media%20Alert%20for%201-30-06.pdf>. Source: Brewster Boyd, Ross & Associates Environmental Consulting

MANUFACTURERS' NEWS

RigMaster Opens Second Manufacturing Plant

RigMaster Power Corporation announced that it will be opening a second manufacturing facility to build its RigMaster® Power APU. Operating under the name RigMaster Power Inc.,

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this new facility will be located in Olathe, Kansas, and will dramatically increase the amount of RigMaster® Power APU's produced each year. The Olathe location is set to begin production in early March 2006 and will also house the RigMaster Parts Distribution for North America. This will make it easier for RigMaster's rapidly expanding dealer and customer base to obtain parts and service. For more information, please go to <http://www.rigmasterpower.com/files/pr/PR%20-%20RigMaster%20Opens%202nd%20Manufacturing%20Facility.pdf>.

Carrier Deltek Receives Technical Achievement Award

Carrier Transicold's new Deltek hybrid diesel electric technology platform has received an award for technical achievement from the Truck Writers of North America, a group made up of press representatives serving the transportation business market. The award was presented during the 2006 Annual Meeting of the Technology and Maintenance Council (TMC) and Transportation Technology Exhibition in Tampa, Florida. First introduced as the Vector 1800MT unit with multi-temperature capability for grocery and foodservice distribution, Deltek technology uses a diesel engine to generate electricity to power all the cooling and heating functions of the refrigeration system. Replacing the open-drive refrigeration compressor with a semi-hermetic electric compressor greatly reduces maintenance requirements for the entire unit, Carrier Transicold says. For more information, please go to <http://www.trucktrailer.carrier.com/Files/TruckTrailer/Local/US-en/trucktrailer/DeltekTechAward.pdf>. Source: Jeff Kim, Shurepower

Delphi to Display SOFC APU at TMC Annual Meeting

Among the 300+ exhibitors at the 2006 Annual Meeting of the TMC and Transportation Technology Exhibition was a solid oxide fuel cell (SOFC) APU from Delphi Corporation. This equipment is a high-efficiency, environmentally friendly device that will use an electrochemical process to convert the chemical energy in conventional vehicle fuels, such as diesel fuel and gasoline, directly into useful electrical power. The SOFC APU is compact, quiet, and a low emissions alternative to diesel engine APU's and other idling reduction devices. This APU will make it possible to power other electrical and electronic devices in the vehicle without operating the primary engine or plugging into shore power at rest stops or truck stops. The Delphi system will also be able to power current belt-driven vehicle systems, such as engine cooling fan or the water pump, thus removing those loads from the primary engine. The U.S. Department of Energy supported the research and development on the SOFC system during FY 2005. For further information, please see <http://delphi.com/news/pressReleases/pr70524-02082006>. Source: Joe Tario, NYSERDA

Summary of State Anti-Idling Regulations

The most up-to-date list of anti-idling regulations in States and municipalities is available at <http://www.atri-online.org/2005.ATRI.IdlingCompendium.pdf>. If your State or municipality has changed anything listed here or if it 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.

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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>. Please 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 Pennsylvania Department of Environmental Protection (DEP) has just invested \$3.7 million in Alternative Fuel Incentive Grants, which are being matched by more than \$16 million in private funds.

The DOE Clean Cities web site now displays 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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