



# West Coast Collaborative Communicator

## Goods Movement Sector July 2013

The **West Coast Collaborative (Collaborative)**, staffed by the U.S. Environmental Protection Agency’s (EPA) Pacific Southwest Region 9 and Pacific Northwest and Region 10 Offices, protects public health by reducing diesel emissions and promoting clean air technologies and practices through public-private partnerships in Western North America. The Collaborative is an ambitious partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Our partners come from all over Western North America, including California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada, Mexico, Asian Pacific regions, and Pacific Islands that include the Territory of Guam, the Commonwealth of the Northern Marina Islands (CNMI), and the Territory of American Samoa. The Collaborative is focused on creating, supporting and implementing diesel emissions reductions projects by providing technical assistance and funding opportunities. [More information about the West Coast Collaborative.](#)

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Please send relevant new announcements, corrections, or other ideas and suggestions to the West Coast Collaborative at [dieselgrants@epa.gov](mailto:dieselgrants@epa.gov)



## Available Funding

### **DOT’s FTA Bus Efficiency Enhancements \$3M Funding Available for Research and Demonstrations**

The FTA seeks to promote the development and demonstration of targeted energy efficiency-enhancing technologies, specifically enhanced Electrification of Accessories and improvements in Thermal Management of Bus Bodies, for buses utilized in public transportation. Application due September 20.

[http://www.fta.dot.gov/grants/13077\\_15541.html](http://www.fta.dot.gov/grants/13077_15541.html)

### **EDA’s Economic Development Assistance Programs Federal Funding Opportunity**

Under the Economic Development Assistance Programs (EDAP) Federal Funding Opportunity announcement, EDA will make construction, non-construction, and revolving loan fund investments under the Public Works and Economic Adjustment Assistance Programs. Grants made under these programs will leverage regional assets to support the implementation of regional economic development strategies designed to create jobs, leverage private capital, encourage economic development, and strengthen America’s ability to compete in the global marketplace.

<http://www.grants.gov/search/search.do;jsessionid=knDpQzXGJ6gWnzy1h6Tn3D1fjKBNK9Fw4>

[0vITDxWx3xrJGpLpCN4!-861966415?oppId=208353&mode=VIEW](http://0vITDxWx3xrJGpLpCN4!-861966415?oppId=208353&mode=VIEW)

**CA: San Joaquin Valley Alternative Fuel Infrastructure Funding**

The San Joaquin Valley Air Pollution Control District (District) is pleased to announce the release of its Request for Proposal (RFP) to accept proposed projects for alternative fuel infrastructure under its Public Benefit Grants Program. There are two eligible focus areas under the solicitation, new infrastructure and expansion to existing infrastructure. RFP closes September 30.

[http://www.valleyair.org/Grant\\_Programs/GrantPrograms.htm](http://www.valleyair.org/Grant_Programs/GrantPrograms.htm).

**CA: HVIP Funding- exhausted but San Joaquin Valley has funding!**

The California ARB HVIP voucher funds are exhausted. HVIP will not accept new voucher requests for the ARB HVIP until next year's program has been launched. Additionally, the vouchers that are on the standby list will not roll over when next year's HVIP starts. However, there is still \$1 million remaining in San Joaquin Valley Air Pollution Control District (SJVACPCD) voucher funding, and we will accept vouchers for these funds only. These funds are designated for vehicles that are used in the San Joaquin Valley Air Basin.

<http://www.californiahvip.org/>

**California: Carl Moyer Program**

Since 1998, CARB's Carl Moyer Program has provided funding for near-term air pollution emission reductions for cleaner-than required heavy-duty engines and emission control devices. More information [HERE](#) or call the [contact person for your district](#).

**California: Air District Grant Funding**

California's 35 local air districts utilize motor vehicle fees, voter approved bonds, and other revenues to implement a variety of air quality incentive programs. For California air district funding information, visit:

- [South Coast AQMD](#)
- [San Joaquin Valley APCD](#)
- [Bay Area AQMD](#)
- [Sacramento Metropolitan AQMD](#)
- [San Diego APCD](#)
- [Other California Air Districts](#)

**Ports of Los Angeles and Long Beach, CA: San Pedro Ports Funding Opportunities**

The Ports of Los Angeles and Long Beach offer various funding opportunities to demonstrate and deploy port trucks, cargo handling equipment, marine vessels and locomotives. More information can be found [HERE](#).



## WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions



### Upcoming Events

#### **July 25 in Sacramento: ARB Proposition 1B Goods Movement Emission Reduction Program**

The Air Resources Board will conduct a public meeting at the time and place noted below to consider adoption of Proposition 1B: Goods Movement Emission Reduction Program funding awards from Fiscal Year 2013-14 (Year 4) funds and updates to the Program Guidelines for Implementation. Date: July 25, 2013, 9:00 a.m. ARB staff will release a formal Staff Report with a more detailed discussion of the award recommendations.

[www.arb.ca.gov/gmbond](http://www.arb.ca.gov/gmbond)

#### **July 30-31 in Portland: EV Roadmap 6 Drivers Take the Spotlight.**

The "EV Roadmap" workshop series brings together Oregon's early adopters and international experts to inform transportation electrification efforts across the nation. The EV Roadmap series of workshops has established itself as the Pacific Northwest's premier electric vehicle gathering. EV Roadmap 6 will be held at the World Trade Center in Portland on July 30-31, 2013.

<http://www.evroadmap.com/content/ev-roadmap-6-drivers-take-spotlight>

#### **July 31 in Sacramento: CEC Workshop on Transportation Energy Scenarios**

The California Energy Commission Lead Commissioner on the Integrated Energy Policy Report (IEPR) and Lead Commissioner on Transportation will conduct a workshop to discuss potential growth projections for alternative transportation fuels, vehicles and infrastructure and factors related to growth. The workshop will encourage participation from stakeholders with particular transportation

emphasis on the expected contribution of biofuels, electric transportation, natural gas, hydrogen and other options to California's transportation sector. Presentations and audio from the meeting will be broadcast via our WebEx web meeting service. [http://www.energy.ca.gov/2013\\_energypolicy/documents/index.html](http://www.energy.ca.gov/2013_energypolicy/documents/index.html)

#### **September 17-19 in Chicago: High Horse Power Summit**

Interested in natural gas for high horsepower applications? For ships, trains, mining vehicles, and the powerful engines that drive drill rigs? View the preliminary agenda for a sneak peek at the three-day program. Value registration for the HHP Summit 2013 offers discounted rates through August 16. HHP Summit 2013, organized by *Fleets & Fuels* publisher GNA. [http://www.hhpsummit.com/agenda2013.html?utm\\_source=Fleets-Fuels17July2013&utm\\_campaign=July+3%2C+2013&utm\\_medium=email](http://www.hhpsummit.com/agenda2013.html?utm_source=Fleets-Fuels17July2013&utm_campaign=July+3%2C+2013&utm_medium=email)

#### **September 26 in Sacramento: Sacramento Clean Cities Technology Forum**

Please SAVE-THE-DATE for the Sacramento Clean Cities fourth annual Advanced Clean Technologies Forum where we will showcase the newest alternative fuels and advanced technologies.

[http://gallery.mailchimp.com/1bd614f5101d07e6ae5f28f2/files/2013\\_4th\\_Annual\\_CTF\\_Save\\_the\\_Date\\_3.pdf](http://gallery.mailchimp.com/1bd614f5101d07e6ae5f28f2/files/2013_4th_Annual_CTF_Save_the_Date_3.pdf)

#### **October 1-2 in Phoenix: East Bay Area's Richard Battersby Featured at Green Fleet Conference and Expo**

The government Fleet 2013 Public Sector Fleet Manager of the Year, the CA East Bay Clean

Cities Coalition Coordinator Richard Battersby will deliver the closing keynote address at [the 2013 Green Fleet Conference](#) on Wednesday, Oct. 2! His address, "Latest Opportunities for DOE and EPA Grants and Funding," will discuss pulling public funding from the Department of Energy and the Environmental Protection Agency to help subsidize green fleet initiatives.

<http://www.greenfleetconference.com/>

### **October 7-9 in Chicago: CALSTART's HTUF National Meeting**

HTUF's National Meeting is *the* gathering place for fleets, truck and bus OEMs, suppliers and industry stakeholders working to accelerate the commercialization of high-efficiency trucks.

<http://conferences.stagedrightevents.com/htuf/>

### **October 21-22 in Orlando: ATA's Management Conference and Exhibit and TIMTC Annual Meeting**

Make plans now to attend the 2013 annual Trucking Industry Mobility and Technology Coalition meeting, held in conjunction with ATA's Management Conference and Exhibit (MC&E). This year's meeting promises to provide more information, engagement and networking opportunities than ever before.

[www.freightmobility.org](http://www.freightmobility.org)

### **October, February, April and May in WA, OR, TX, CO: TransEnergy Solutions Upcoming Conferences**

TransEnergy Solutions has been organizing these conferences for the past three years throughout the Western U.S. and Canada. We've worked closely with the local Clean Cities coalitions, chapters of the American Public Works Association, West Coast Collaborative and professionals like you to tailor our programs to the specific focus in each region. We are currently developing the agendas and speakers' lists for these events, and we would like to invite you to participate on our speakers' panel for one or more shows. Upcoming dates include:

- October 2013—Seattle, Washington. Gaseous Fuels and Infrastructure Conference
- February 18–21, 2014—Portland, Oregon. Pacific Northwest Public Works Green Vehicle Conference
- April 23–24, 2014—Texas.
- May 21–22, 2014—Denver, Colorado. Second Annual GTC – Denver

<http://www.transenergysolutions.com/>

**California Air Resource Board (CARB)**  
[upcoming events.](#)

**California Energy Commission (CEC)**  
[upcoming events.](#)

**South Coast Air Quality Management District** [upcoming events.](#)

**CALSTART**  
[upcoming events.](#)



## **Rules & Regulation Update**

### **ARB: Updated Regulatory Guidance for Electric Standby and Hybrid Electric Systems for Alternative Technology Compliance Strategies**

Transport refrigeration unit (TRU) owners that are using electric standby or hybrid electric as a compliance option should carefully review this

regulatory guidance to ensure they actually qualify for compliance. ARB will be auditing TRU owners that are claiming to comply by using electric standby or hybrid electric in the coming months. This will include audits to ensure the recordkeeping and reporting requirements are being met. TRUs that are equipped with electric

standby or hybrid electric systems may comply with the TRU Regulation’s in-use performance standards only if they are used in a way that qualifies them as an Alternative Technology. These TRUs must be plugged into electric power when they are at any non-retail delivery and pick-up location in California, while loaded with perishable goods and during initial chill-down. Again, TRU engine operation must be eliminated while at non-retail locations, with narrow exceptions. TRU engine operation at retail delivery points (examples are grocery stores, restaurants, cafeterias, convenience stores) must also be limited to less than 30 minutes. If the engine operating time needs to exceed 30 minutes at retail delivery points, the TRU must be

plugged into electric power. GPS tracking systems with automated recordkeeping and reporting are also required to qualify for compliance (being phased in now). ARB’s updated regulatory guidance explains these requirements, the phase-in schedule, and provides specifications for businesses interested in providing electronic tracking systems with automated recordkeeping and reporting. The updated regulatory guidance document is available at:

[http://www.arb.ca.gov/diesel/tru/documents/guidance\\_electricstandby\\_ets.pdf](http://www.arb.ca.gov/diesel/tru/documents/guidance_electricstandby_ets.pdf) For general information about the TRU Regulation, the TRU Website is at: <http://www.arb.ca.gov/diesel/tru/tru.htm>



## News & Information

### MECA Releases New Report on Health Impacts of Ultrafine Particulates, Importance of Advanced Emission Control Technology

Washington, D.C. – The Manufacturers of Emission Controls Association (MECA) released a new report outlining the health impacts of ultrafine particulates (UFPs) from cars, trucks, and off-road equipment and the benefits of reducing both the mass and number of particulate matter (PM) emissions through the use of advanced emission control technology – namely, particulate filters.

[http://www.meca.org/resources/MECA\\_UFP\\_White\\_Paper\\_0713\\_Final.pdf](http://www.meca.org/resources/MECA_UFP_White_Paper_0713_Final.pdf)

### Celebration of Southern California’s Largest Deployment of Zero-Emission Delivery Trucks

San Bernardino, CA – July 17 the South Coast Air Quality Management District, U.S. Environmental Protection Agency, California Energy Commission, California Air Resources Board, UPS, Electric Vehicles International (EVI), and others celebrate the deployment of 40 zero-emission delivery vehicles manufactured by EVI in California and operated by UPS in San Bernardino. This event recognizes one of the largest concentrations in Southern California of

fully electric commercial trucks that will clean the air, save fuel costs, and create jobs in the heart of California. “These all-electric vehicles remind us that California continues to be a dynamic center of innovation,” said Governor Brown. We would like to recognize the hard work and genuine partnership of the South Coast Air Quality Management District (SCAQMD), the US Environmental Protection Agency (EPA), West Coast Collaborative, California Energy Commission, California Air Resources Board, and CALSTART. Without the help of these public and private partners, this large deployment of clean, zero-emissions trucks would not have happened here in California. “EPA has invested over \$1.4 million to help bring these electric trucks to the streets of San Bernardino,” said Jared Blumenfeld, EPA’s Regional Administrator for the Pacific Southwest. “By cutting diesel emissions, local residents breathe cleaner, healthier air, and by reducing greenhouse gases, we take another step in our battle against climate change.”

<http://www.evi-usa.com/NEWS/PressReleases.aspx>

### **TransPower Secures \$3.7 Million in Funding for Demonstration of Electric Drayage Trucks**

Poway, CA – July 9 TransPower, an advanced clean energy technology company, announced today that it has received final funding commitments totaling \$3.7 million from several public agencies in support of a demonstration of advanced electric Class 8 drayage trucks at the Ports of Los Angeles and Long Beach. Deploying advanced, zero-emission technology is a critical component in the Ports' on-going effort to tackle air pollution in Southern California. This funding will enable TransPower to build a fleet of seven battery-electric trucks using its "ElecTruck™" drive system, which utilizes electric motors to propel large tractor-trailer rigs, relying solely on energy supplied by large battery packs.

[www.transpowerusa.com](http://www.transpowerusa.com)

### **New Technology Clean Diesel Trucks With Near Zero Emissions Make Up 28% of All Trucks on U.S. Highways**

More than 28 percent of all trucks registered in the United States are now equipped with advanced new technology clean diesel engines. More than 28 percent of all trucks registered in the United States – 2.5 million of 8.6 million trucks - are now equipped with advanced new technology clean diesel engines, according to new data compiled by R.L. Polk and Company for the [Diesel Technology Forum](#) (DTF). The Polk data includes registration information on Class 3-8 trucks from 2007 through 2012 in all 50 states and the District of Columbia. Beginning in 2007, all heavy duty diesel trucks sold had to meet particulate emissions levels of 0.01 grams per brake horsepower hour (g/HP-hr) - a level near zero.

<http://www.dieselforum.org/index.cfm?objectid=F7C7AF563-DCEE-11E2-970C000C296BA163>

### **Renewable Natural Gas CNG Trucks from Food Waste**

The City of Sacramento, Calif., is taking its greening efforts one step further this October - its compressed natural gas (CNG) trucks will soon be fueling with CNG produced from food waste. In June, Clean World, which constructed the Sacramento BioDigester, began providing

renewable CNG to the adjacent CNG fueling station, owned by Atlas Disposal and operated by Clean Energy Fuels. The station dispenses natural gas sourced from the digester supplemented by pipeline natural gas. Atlas Disposal, a Sacramento-based waste and recycling removal company, is already fueling 17 CNG refuse haulers at the facility.

According to City of Sacramento Fleet Manager Keith Leech, the City has established a sourcing agreement for up to 2,500 gallons of CNG per week with at least 30 percent renewable CNG at the fueling station. This will be used to fuel 14 new CNG rear loader trucks, which are expected to be delivered in October, 11 Autocar rear loaders, and three Freightliner Elgin Broom Bear sweepers. Cost per gallon for the 30 percent renewable fuel is half the cost of diesel per gasoline gallon equivalent.

<http://www.cleanworld.com/uncategorized/1426/>

### **Mack to Offer DME Option in 2015**

Mack Trucks is to begin production of dimethyl ether-powered Pinnacle Axle Back models with the 13-liter MP8 engine in 2015. Echoing its corporate parent Volvo Trucks, Mack says that DME is a 'non-toxic, clean-burning alternative fuel, offers many environmental and societal benefits, including that it can be made from multiple sustainable feedstocks.

<http://www.macktrucks.com/default.aspx?pageid=9834>

### **IdleAir Adopts New Pricing Plan, Opens New Location**

IdleAir has announced a new pricing plan that will take effect on June 3 and remain in place through the remainder of 2013. The company's premium service will cost \$2.19/hour, up from \$2.09/hour, for the first 10 hours.

<http://www.idleair.com/>

### **CA: Energy Commission Awards More Than \$26 Million for Green Transportation Projects**

The California Energy Commission approved \$26,066,446 to projects that will boost the number of alternative fuel vehicles on the state's roadways, and expand the fueling infrastructure to keep them

running. The awards approved today were made through the Commission's Alternative and Renewable Fuel and Vehicle Technology Program, created by Assembly Bill 118.

<http://www.energy.ca.gov/releases/>

### **CA: Energy Commission Awards \$1.7 Million for Military Microgrid Project**

The California Energy Commission is supporting microgrid technology by funding a research demonstration project at Camp Pendleton in San Diego. The Commission approved a \$1.7 million award to San Diego-based Harper Construction Company, Inc., to demonstrate a set of intelligent microgrids that use community scale renewable resources within an existing utility grid at the Marine Corps Base at Camp Pendleton. The project will integrate on-site flat-plate and concentrating photovoltaic (PV) technology with energy efficiency, energy storage and other technologies to provide reliable power and support critical base functions.

[www.energy.ca.gov/releases/](http://www.energy.ca.gov/releases/)

### **CA: Hydrogen Fuel Infrastructure Survey**

The CA Energy Commission is seeking a greater understanding of stakeholder experience, needs, and perspectives related to Energy Commission hydrogen fuel Infrastructure solicitations. This notice requests volunteers to participate in a telephone survey to help gather this information. Telephone interviews will be conducted July 8, 2013 through August 1, 2013. If you would like to participate please email your email address and phone number to Ms. Sarah Williams [sarah.k.williams@energy.ca.gov](mailto:sarah.k.williams@energy.ca.gov) (916) 651-9866, requesting to be included in the "Hydrogen Fuel Infrastructure Survey." Please use the following in the subject line of your email: Hydrogen Fuel Infrastructure Survey. If you are not available during the interview period, but wish to participate at another time, please inform us.

<http://www.energy.ca.gov/altfuels/notices/index.html>

### **CA: South Coast Air Quality Management District's Bi-monthly Advisor Newsletter**

The July 2013 Edition of the South Coast Air Quality Management District's (SCAQMD's) bi-monthly **Advisor** Newsletter is now available.

<http://www.aqmd.gov/pubinfo/newsletters.htm>

### **CA: Port of Long Beach Completing \$100 Million Dockside-Power Projects**

In recent years, shore power—which allows vessels at berth to plug in for electricity rather than run their diesel engines for power—has gained traction as a way to reduce emissions at major ports. According to the Port of Long Beach (POLB), which is completing a \$100 million dockside power project, shore power reduces air pollution from ships at berth by 95%. POLB currently has shore power at four berths on three piers; 12 more berths at five piers are under construction.

While Southern California Edison is installing a new transmission system to meet the increased power demand, POLB vessel operators are retrofitting existing ships and building new ships. California law requires that, by January 1, 2014, vessel operators plug in half of all cargo, cruise, and refrigerated vessels and reduce emissions by one half.

At an early-May shore-power summit at POLB, officials stated that emissions reductions associated with plugging in a container ship for a single day are the equivalent of taking 33,000 cars off the roads. The link [www.polb.com/civica/filebank/blobload.asp?BlobID=11149](http://www.polb.com/civica/filebank/blobload.asp?BlobID=11149) contains the summit presentation. To see a video about shore power at POLB, please go to [polb.com/about/pulse.asp](http://polb.com/about/pulse.asp).

### **WA: Omnitek Diesel to Natural Gas Drayage Truck Conversions at Port of Seattle**

Southern California's Omnitek Engineering has been selected by the Puget Sound Clean Air Agency to demonstrate its diesel-to-natural gas engine conversion technology for drayage trucks serving the Port of Seattle. Omnitek, working with Seattle-based American Strategic Group (ASG), will support the Port's Clean Truck Program.

<http://www.fleetsandfuels.com/fuels/cng/2013/07/omnitek-with-asg-for-seattle-port/>

## **WA: Seattle-Tacoma: Wayside Power for Trains on Layover**

Serving the Seattle and Tacoma areas, Sound Transit has teamed up with the Washington State Department of Ecology (DEC) to install six wayside power units (WPU) at its commuter-rail layover facility in Lakewood, Washington. The WPUs, which will become operational in June, provide grid electricity for stationary locomotives' power needs.

[www.epa.gov/otaq/regs/nonroad/locomotv/420f08014.pdf](http://www.epa.gov/otaq/regs/nonroad/locomotv/420f08014.pdf)

## **Clean Energy LNG for GE Locomotives**

Clean Energy Fuels has a pact with GE Transportation to provide liquefied natural gas for a GE initiative to test LNG locomotives. LNG-fueled locomotives offer the potential for substantial fuel cost savings – as much as 50% compared to diesel. LNG locomotives are also

expected to significantly reduce key emissions and substantially increase hauling range between refueling stops when compared to diesel locomotives.

[http://site.ge-energy.com/businesses/ge\\_oilandgas/en/newsletter/geog\\_viewsandnews\\_0413/changeforum.html](http://site.ge-energy.com/businesses/ge_oilandgas/en/newsletter/geog_viewsandnews_0413/changeforum.html)

## **CN Orders Westport Innovations LNG Tenders**

The Canadian National (CN) Railway, has ordered four liquefied natural gas tenders from Westport Innovations. They represent a new product line to serve the natural gas needs of the North American railroad market, Westport says. The first LNG tender is to be delivered in the fourth quarter.

<http://www.westport.com/news/2013/cn-railway-orders-four-lng-tenders-westport-launches-new-product-serve-natgas-needs-railroad-market>



## **Reports & Tool**

### **ARB Study: In-Use NO<sub>x</sub> Emissions from Model Year 2010 and 2011 Heavy-Duty Diesel Engines Equipped with Aftertreatment Devices**

The California Air Resources Board (ARB) undertook this study to characterize the in-use emissions of model year (MY) 2010 or newer diesel engines. Emissions from four trucks: one equipped with an exhaust gas recirculation (EGR) and three equipped with EGR and a selective catalytic reduction (SCR) device were measured on two different routes with three different payloads using a portable emissions measurement system (PEMS) in the Sacramento area. Results indicated that brake-specific NO<sub>x</sub> emissions for the truck equipped only with an EGR were independent of the driving conditions. Results also showed that for typical highway driving conditions, the SCR technology is proving to be effective in controlling NO<sub>x</sub> emissions. The study indicated that strategies used to maintain exhaust temperature above a certain threshold, which are

used in some of the newer SCRs, have the potential to control NO<sub>x</sub> emissions during certain low-load/slow speed driving conditions.

<http://pubs.acs.org/doi/abs/10.1021/es4006288>

### **States Drive Northeast Electric Vehicle Network Forward, Releasing a Suite of Documents to Prepare Policymakers and Businesses for EV Growth**

As part of a major push to prepare the U.S. Northeast and Mid-Atlantic regions for the anticipated growth in electric vehicle use, states participating in the Northeast Electric Vehicle Network have released a suite of reports and analyses to help communities, employers, property owners, and local residents. The Network has also released a series of educational materials and a web-based tool for locating the more than 900 electric vehicle (EV) charging stations already available to the public across the region.

<http://www.transportationandclimate.org/northeast-electric-vehicle-network-documents>

### **DOE's Oak Ridge National Laboratory Report: Operations Best Practices Guide on Idle Reduction**

DOE's ORNL Sustainable Campus Initiative, working with the local DOE Clean Cities program, has created an idle reduction guide for use on campus that explains the benefits of reducing idling such as reducing harmful emissions and fuel and cost savings. One of the highlights of the guide is a collection of vehicle manufacturer recommendations directly from the owner's manuals of passenger vehicles and medium and heavy duty trucks and vans.

[www.bnl.gov/earthday/docs/ORNL-Idle-Reduction-Guide.pdf](http://www.bnl.gov/earthday/docs/ORNL-Idle-Reduction-Guide.pdf)

### **IEA Report: Urban Transportation Systems Improve Energy Efficiency**

Policies that improve the energy efficiency of urban transport systems could help save as much as \$70 trillion in spending on vehicles, fuel, and transportation infrastructure between now and 2050, according to a new report from the International Energy Agency (IEA). Released on July 10, the report, *A Tale of Renewed Cities*, draws on examples from more than 30 cities across the globe to show how to improve transport efficiency through better urban planning and travel demand management. Extra benefits include lower greenhouse-gas emissions and higher quality of life.

<http://www.iea.org/newsroomandevents/pressreleases/2013/july/name.39543.en.html>



## **Verification & Certification**

### **ARB: Transfer of the Cleaire LongMile-S and Horizon Verifications to ESW CleanTech**

The CA Air Resources Board (ARB) has transferred the verifications of the Cleaire Advanced Emission Controls, LLC (Cleaire) LongMile-S and Horizon diesel particulate filter systems to ESW CleanTech, Incorporated (ESW CleanTech). ESW CleanTech acquired the Cleaire product line on April 18, 2013, completed all the verification transfer requirements specified in the Verification Procedure, Warranty, and In-use Compliance Requirements for In-Use Strategies to Control Emissions from Diesel Engines, Title 13, California Code of Regulations, and will sell new systems as well as provide support for existing Cleaire customers. Specific engine families and conditions for which the LongMile-S and Horizon systems have been approved may be found in the Executive Orders on the ARB's websites at:

<http://www.arb.ca.gov/diesel/verdev/companies/esw/longmile-s.htm> and

<http://www.arb.ca.gov/diesel/verdev/companies/esw/horizon.htm>

### **ARB: Modification to the Boshart Engineering, Incorporated (Boshart) Econix-DPF-A System On-Road Verification.**

The CA Air Resources Board has approved the parts changes of Boshart Engineering, Incorporated's Econix DPF-A system for select on-road applications having on-road engines with rated horsepowers of at least 150 horsepower but no more than 400 horsepower. The Econix DPF-A is a level 3 plus actively-regenerated, non-catalyzed filter system that achieves an 85 percent reduction in particulate matter emissions.

<http://www.arb.ca.gov/diesel/verdev/companies/boshart/econixdpf-a.htm>

### **ARB: Proventia Electric Regenerative Diesel Particulate Filter Verification Update for the Thermo King Tripac APU**

The CA Air Resources Board (ARB) has approved Proventia Emission Control Oy's (Proventia) Electrically-Heated Diesel Particulate Filter (EHDPF) as a Level 3 plus active regenerated diesel emission control system for use with the

Thermo King Tripac APU, powered by select model year 2007 to 2013 Yanmar TK270M or TK270VFM diesel engines with a diesel particulate matter certification of 0.2 grams per kilowatt hour or less. Proventia's EHDPF system's DPF is electrically regenerated and achieves an 85 percent reduction in emissions of diesel particulate matter and is compliant with ARB's 2009 nitrogen dioxide limit.

<http://www.arb.ca.gov/diesel/verdev/companies/proventia/ehdpf.htm>

### **CARB Diesel Emission Control Strategy Verifications**

CARB provides the latest comprehensive list of verified diesel emission control strategies (such as diesel particulate filters), at

<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>.

### **CARB Vehicle and Engine Certifications**

CARB provides a comprehensive list of its certified new on-road vehicles and engines at:

<http://www.arb.ca.gov/msprog/onroad/cert/cert.php>



**WEST COAST COLLABORATIVE**  
A public-private partnership to reduce diesel emissions

[www.westcoastcollaborative.org](http://www.westcoastcollaborative.org)

Click [here](#) to **sign up, update or unsubscribe** to the WCC email listservs.