



## West Coast Collaborative Communicator Summer 2012 – Trucking Sector 2.0

This West Coast Collaborative Communicator Addendum describes events, funding opportunities, and other information not available when the Spring/Summer 2012 edition went to press in late April. 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, and the Pacific Islands that include the Territory of Guam, the Commonwealth of the Northern Mariana 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.](#)

This West Coast Collaborative Communicator includes:

- **Upcoming Events**
- **Upcoming Funding**
- **News & Information**
- **New Reports & Tools**
- **Links & Resources**

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



### Upcoming Transportation & Goods Movement Events

#### Upcoming West Coast Collaborative (WCC) Sector Webinars:

- **[Trucking Sector](#)** Webinar August 14, 11-12:30 Pacific.
- **[Marine Vessel and Ports Sector](#)** call on September 24, 10-11:30 Pacific.
- **[Construction Sector](#)** TBD

Please visit the WCC Sector web pages for call-in information.

**Greener Packaging: Integrating Reusable Transport Packaging into your Supply Chain**  
You're invited to a national SmartWay community to a [webinar on Aug 16](#) at 10-11:30 PDT to hear about companies that reap financial and operational benefits from replacing limited-life transport packaging materials - such as wood

pallets and cardboard boxes - with durable, reusable alternatives.

#### EPA SmartWay Webinars

These webinar are making it easier to stay abreast of important program developments. Listen in, and ask questions of the experts! [Sign up for upcoming and view recordings of past SmartWay webinars.](#)

-SmartWay Carrier Performance Report for Carriers Wednesday, August 15, 1:30 - 2:30 PM EDT

-SmartWay Logo Use Policy Wednesday, August 22, 1:30 - 2:30 PM EDT

-SmartWay Shipper Tool Demonstration Wednesday, September 5, 1:30 - 2:30 PM EDT

-SmartWay Rail Carrier Tool Demonstration Wednesday, September 6, 1:30 - 2:30 PM EDT

### Talking Freight Seminar on MAP-21 Freight Provisions

This DOT webinar will be held on August 23, 2012 from 1:00 – 2:30 pm EDT. DOT's Moving Ahead for Progress in the 21st Century (MAP-21) authorizes the nation's transportation programs for two years. MAP-21 includes a number of freight provisions that address the need to improve goods movement. This session will highlight the sections of MAP-21 which have direct or indirect impacts for freight, including the National Freight Policy. [Register now for this webinar.](#)

### Legacy Diesel Fleet Webinar

The California Air Resources Board will provide an [overview of state regulations](#) on August 28 from 10-11am PDT that require diesel engine owners to take action to retrofit or retire older vehicles. These rules are the first of their kind in the nation. Emission reductions from the regulations are needed to meet State Implementation Plan commitments, to attain federal air quality standards, and also to reduce exposure to fine particulate matter (PM2.5) emissions. The presentation will include a discussion of expected emissions benefits of oxides of nitrogen and PM2.5 in California and the resulting effect on black carbon and climate.

### ATA Trucking Natural Gas Summit November 28-30 in Arlington, VA

The American Trucking Association announced that energy executive T. Boone Pickens has confirmed his participation as a keynote speaker at [ATA's Natural Gas in Trucking Summit](#) November 28 through 30<sup>th</sup>, 2012 in Arlington, VA.

### Oregon: Incentive Funding for Commercial Zero-Emission Electric Trucks

The [Commercial Electric Truck Incentive Program](#) (CETIP) is designed to improve air quality in specific areas in Oregon. The program provides \$20,000 vouchers, which are essentially reimbursements, to help in the purchase of commercial zero-emission vehicles with a minimum gross vehicle weight of 10,001 pounds. The goal with this program is to facilitate the replacement of 200 high-polluting medium-sized urban delivery diesel vehicles within 1 - 2 years. The CETIP, with funding from the federal Congestion Management and Air Quality program, is considered a short-term funding mechanism to reduce the incremental cost between a diesel and zero-emission vehicle; in this way, the state hopes to promote the transition to zero-emission technology among both public and privately-owned fleets

### California: Various ARB Workshops and Meetings

Please visit ARB's calendar for a [list of workshops/meetings](#) that have been scheduled. On [August 14](#) the following will be held: Public Workshop to Discuss Current Alternative Fuel Conversion Requirements for New and Used Vehicles and Engines used in Such Vehicles. On [August 21 three public workshops](#) for Vision for Clean Air: A Framework for Air Quality and Climate Planning will be held. In addition, a [public workshop on Thursday, August 30](#) will be held to discuss amendments to the Interim Certification Procedures for 2004 and Subsequent Model Hybrid-Electric Vehicles in the Urban Bus and Heavy-Duty Vehicle Classes (interim procedures).



### Upcoming Funding

#### EDA Strong Cities, Strong Communities Visioning Challenge –\$6 million

Application Due: July 31, 2012. Eligible Entities: Cities with a population of at least 100,000 persons residing within their official municipal boundaries

as of the 2010 Census. Cities must also meet EDA's economic distress criteria. The Strong Cities, Strong Communities Visioning Challenge is designed to assist cities experiencing chronic economic distress with leveraging innovative ideas

and approaches from diverse perspectives to create and adopt actionable economic development proposals and plans. Each city selected for an award under this grant will hold challenge competitions that will incentivize teams of professionals from various fields related to economic development, such as transportation planning and engineering, to submit economic development proposals that outline how cutting-edge concepts and ideas could be applied to address the persistent economic development challenges faced by the city. For more information, visit the [EDA Challenge](#) page.

### **DOE State Energy Program PY 2012 Formula Grants –\$30 million**

Application Due: Varies by program year, next due date is August 1, 2012. Eligible Entities: States, territories, and the District of Columbia. DOE is soliciting annual grant applications under the State Energy Program for Program Year 2012. The program seeks to provide grants to state energy offices in all states and U.S. territories to design and carry out their own energy efficiency and renewable energy programs. States use grants to address their energy priorities and program funding to adopt emerging energy efficiency and renewable energy technologies. For more information, visit the [DOE grant opportunity synopsis](#).

### **IBM Smarter Cities Challenge**

Application Due: September 7, 2012. Eligible Entities include the following: Cities, with a letter of affirmation from the mayor or equivalent executive officer of the municipal government. The Smarter Cities Challenge is designed to help cities address some of the critical challenges they are facing, such as energy efficiency and climate change impacts. Selected cities will receive assistance from IBM experts from different business units and geographies, who will work on the ground with city leaders and deliver recommendations on how to make the city smarter and more effective. For more information, visit the [Cities Challenge page](#).

### **Bloomberg Philanthropies' Mayors Challenge – \$9 million**

Application Due: RSVPs due by July 16, 2012. Applications due September 14, 2012. Eligible Entities include the following: Cities with 30,000 or more residents residing within their official municipal boundaries as of the 2010 Census. Applications must be submitted by city hall under the direction of the mayor. The Mayors Challenge is designed to celebrate the creative problem solving and innovation that is happening in city halls from coast to coast. For more information, visit the [Mayors Challenge page](#).

### **AIA Sustainable Design Assessment Teams**

Application Due: Two review cycles; upcoming due date is October 12, 2012. Eligible Entities include the following: Committees with a cross-section of residents, local government agencies, businesses, institutions, and community groups. The Sustainable Design Assessment Team (SDAT) program focuses on the importance of developing sustainable communities through design. The American Institute of Architects' Center for Communities by Design is seeking potential partner communities that can demonstrate the capacity to convene a diverse set of community leaders and stakeholders for an intensive, collaborative planning process focused on long-term sustainability. For more information, visit the [SDAT page](#).

### **Funders Network Local Sustainability Matching Fund**

The Funders' Network for Smart Growth and Livable Communities and the Urban Sustainability Directors Network have joined together to launch a Local Sustainability Matching Fund. The fund will provide matching investments from national foundations on a competitive basis to build partnerships between sustainability directors and local place-based foundations to advance discrete sustainability initiatives that demonstrate broad-based community support and engagement. The Local Sustainability Matching Fund will begin accepting applications for its next round of funding in late summer 2012. For more information, visit the [Funders' Network](#).

### **California: Hybrid Truck and Bus Voucher Incentive Project (HVIP)**

This is a unique and streamlined program to help speed the early market introduction of clean, low-carbon hybrid and electric trucks and buses. HVIP accomplishes this by addressing the biggest barrier for fleet purchase of medium- and heavy-duty hybrids: the high incremental cost of these vehicles in the early market years when production volumes are still low. The California Air Resources Board has approved the proposed [Year 3 HVIP plan](#) with updated voucher amounts and other program enhancements. This includes the \$10,000 bonus for each of the first three vouchers per company (for vehicles over 10,000 lbs). In some cases, the Year 3 vouchers can more than double the existing electric truck vouchers from Year 2, and with the particular bonuses, can almost triple them. All existing vouchers are eligible for Year 3 voucher amounts (except for zero-emission vehicles already receiving California Energy Commission HVIP funding), provided they redeem after the Year 3 launch.

### **California: Additional HVIP Funding in San Diego and San Joaquin**

Approximately \$350,000 in Voucher Incentive Program (VIP) funding is [currently available in San Diego County](#). VIP provides funding opportunities for small fleets (10 or fewer vehicles) to quickly replace or retrofit their older on-road heavy-duty diesel vehicles. Truck replacement grants range from \$10,000 to \$45,000. Exhaust retrofit grants range from \$5,000 to \$10,000. Eligible applications will be approved on a first-come, first-served basis until funds are exhausted.

### **California: San Joaquin Valley HVIP Plus:**

New \$1.9 million San Joaquin Valley Air Pollution Control District HVIP “plus-up” project in the coming weeks. The project will provide additional funding for any HVIP vouchers subscribed to vehicles that operate 100% of the time in the [San Joaquin Valley Air Basin](#). For example, if a \$45,000 voucher was requested for a zero-emission truck in the San Joaquin Valley, it

could now receive another \$30,000 on top of that for a total of \$75,000 in voucher funding.

### **California: ARB’s On-Road Heavy-Duty Vehicle Loan Program**

Around \$48 million is available for loan guarantees. Help spread the work. Rolling deadline until funds are awarded. In partnership with the State Treasurer’s Office, the Air Resources Board (ARB) has developed an innovative heavy-duty vehicle air quality loan program to provide financial assistance to truckers affected by the Statewide In-Use Bus and Truck Rule and the Heavy-Duty Vehicle Greenhouse Gas Emission Reduction Measure. Implemented through the State Treasurer’s Office California Capital Access Program (CalCAP), the [Heavy-Duty Vehicle Air Quality Loan Program](#) will provide about \$340 million in financing opportunities to qualified truckers.

### **California: Bay Area Air Quality Management District**

Approximately \$14 million is available for emission reduction projects! The Air District will start accepting project applications for the [Carl Moyer Program Year 13 funding cycle](#) on August 8, 2011.

**Cascade Sierra Solution’s Rebates for battery HVAC systems and Truck Stop Electrification** Funding until August 1, 2012, or until committed. Shorepower Technologies (SPT) to administer the project for the U. S. Department of Energy. [CSS will oversee the project](#) and administer the rebate program for vehicle owners. SPT will develop the truck stop electrification infrastructure and operate the system. [The Shorepower Truck Electrification Project \(STEP\)](#) will locate and install the fifty truck stop facilities over the next 18 months along interstate highways where early adopter fleets and independent owner-operators have indicated the highest utilization will occur. The SPT power pedestals provide simple connections using standard power cords for 120 VAC, 208VAC or 240 VAC. and standard coax connections for cable television. Most locations will provide wireless internet access at an additional charge.



## **EDA Economic Development Assistance Programs Federal Funding Opportunity – \$50.06 million**

Application Due: Varies by program year; next due date is September 14, 2012. Eligible Entities: State and local governments, federally recognized tribes, non-profits, institutions of higher education. Under the Economic Development Assistance Programs 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. For more information, visit the [EDA grant opportunity synopsis](#).



## **News & Information**

### **U.S. Transportation Bill 2012 Signed**

President Obama signed the new transportation bill, [H.R. 6064 the Temporary Surface Transportation Extension Act of 2012](#), into law, allocating roughly \$105 billion through FY2014 into the nation's surface transportation infrastructure. The bill keeps highway and transit spending roughly at current levels, and includes provisions enabling mayors of cities such as Los Angeles to fast-track bus and rail projects in traffic-choked regions. The bill authorizes states to utilize certain funds to install electric and natural gas vehicle charging infrastructure at parking facilities. The bill also includes language requiring the Secretary of Transportation to encourage the development of Intelligent Transportation Systems technologies to improve the performance of the National Highway System.

### **EPA Proposes New PM2.5 Standard**

On June 14, the U.S. EPA proposed to strengthen the National Ambient Air Quality Standards for the emission of fine particulate matter (PM2.5). The annual health standard would reduce the acceptable amount of PM2.5 from 15 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), a standard that has been in place since 1997, to within the range of 12 to 13 ( $\mu\text{g}/\text{m}^3$ ). The EPA is seeking input on the proposed [new PM2.5 standard](#); the comment period closes August 16, 2012.

### **EPA New Sector Pages on National Clean Diesel Web Site**

The U.S. EPA's National Clean Diesel Campaign launched [new diesel sector web pages](#) for their 5 sectors: clean school bus; ports and marine; clean construction; SmartWay transport; and clean agriculture.

### **SmartWay Excellence Awards**

The 2012 SmartWay Excellence Awards assessment is underway. This is the first year that SmartWay is recognizing Partner's performance based on the results of the new quantification and reporting tools. Partners are now using these tools to quantify and report their freight operations, energy and environmental efficiency. The data also provides EPA an opportunity to look closely at Partners' CO<sub>2</sub>, NO<sub>x</sub> and PM emissions performance, and identify the leaders in each partner category. EPA expects to announce the final awardees this fall. [More information](#) can be viewed here.

### **U.S. Court of Appeals Upholds Proposed Greenhouse Gas Rules**

A U.S. appeals court [upheld the first-ever U.S. proposed rules governing heat-trapping greenhouse gases](#), clearing a path for sweeping regulations affecting vehicles, coal-burning power plants and other industrial facilities.

### **DOE's ARPA-E Announces New Projects To Advance Innovative Natural Gas Vehicle Technologies**

U.S. Deputy Secretary of Energy announced 13 new cutting-edge research projects that will receive a total of \$30 million to find new ways of harnessing America's abundant natural gas supplies for cars and trucks and expand the use of natural gas as a vehicle fuel. Through its Advanced Research Projects Agency – Energy (ARPA-E), the Department's new program, titled [Methane Opportunities for Vehicular Energy](#) aims to engineer light-weight, affordable natural gas tanks for vehicles and develop natural gas compressors that can efficiently fuel a natural gas vehicle at home.

### **DOE Investments to Advance Hydrogen Infrastructure and Fueling Technologies**

As part of DOE's commitment to give American businesses more options to cut energy costs and reduce reliance on imported oil, the Department [announced a \\$2.4 million investment](#) to collect and analyze performance data for hydrogen fueling stations and advanced refueling components. The five projects—located in California, Illinois, and Connecticut—will track the performance and technical progress of innovative refueling systems at planned or existing hydrogen fueling stations to find ways to lower costs and improve operation. These investments are part of the Department's commitment to support U.S. leadership in advanced hydrogen and fuel cell research and help industry bring hydrogen technologies into the marketplace at lower cost.

### **USDA Supports Growers of Feedstocks for Advanced Biofuels**

The U.S. Department of Agriculture (USDA) announced a total [of \\$19.4 million in payments to 125 advanced biofuel producers to support the production of advanced biofuels](#) from a wide variety of non-food sources, including waste products. The funding will be provided through USDA's Bioenergy Program for Advanced Biofuels, which makes payments to eligible producers based on the amount of biofuels a recipient produces from renewable biomass, other

than corn kernel starch. Eligible feedstocks include crop residue; animal, food, and yard waste; vegetable oil; and animal fat.

### **California: ARB Air Quality Improvement Plan Approved**

The Funding Plan serves as the blueprint for expending the [AQIP funds appropriated](#) to ARB in the State budget. The plan establishes ARB's priorities for the funding cycle, describes the projects ARB intends to fund, and sets funding targets for each project. The Funding Plan is paired with [regulatory guidelines](#) to direct ARB's implementation of the AQIP.

### **California: ARB Renews \$27 Million Clean Vehicle Funding**

The CA Air Resources Board approved [\\$27 million for its Air Quality Improvement Program](#), a statewide effort to provide incentives for the purchase of advanced-technology passenger cars and heavy-duty trucks. ARB will use the majority of those funds for its California Clean Vehicle Rebate Project to provide incentives for the purchase of zero-emission and plug-in hybrid passenger cars. Complementing this investment will be up to an additional \$5 million dollars from the California Energy Commission.

### **California: ARB Launches "Gear Up for Clean Truck Month" for August**

The California Air Resources Board launches a multi-agency campaign to make sure that trucks traversing the state's highways are in compliance with state air pollution laws. State measures aimed at cleaning up diesel vehicles include requirements to report fleet information to ARB, employ fuel-saving technology, install diesel soot filters and replace or upgrade aging engines and transport refrigeration units. Working in conjunction with the California Highway Patrol and other allied agencies, ARB will deploy inspectors throughout the state, focusing on trade hubs, weigh stations, ports, railyards and major points of entry into the state. The campaign is also geared to provide advice and educational materials including information and fact sheets on how to follow regulations, maintain equipment properly, and

grants and funding that may be available now and in the future to help purchase clean trucks and related equipment. Truckers with questions can visit the [ARB website](#).

### **California: CEC Awards \$23 Million to Encourage Use of Alternative Transportation Fuels**

The CA Energy Commission [approved funding of \\$23,110,015 for projects](#) that will advance the development of green fuels, and the installation of fueling stations. These investments help California to fulfill its pioneering climate change policies, reduce dependence on foreign oil, and improve the environment. The awards are provided through the Energy Commission's Alternative and Renewable Fuel and Vehicle Technology Program, created by Assembly Bill 118.

### **California: CEC Awards Nearly \$2 Million to Support Alternative Fuel Production and Vehicles**

The CA Energy Commission today unanimously approved [funding of \\$1,974,330](#) for the expansion and upgrade of a biodiesel production facility and buy-downs of alternative-fuel vehicles. The awards

improve the environment, reduce use of foreign oil and help to fulfill the state's pioneering climate-change policies. They are available through the Energy Commission's Alternative and Renewable Fuel and Vehicle Technology Program, created by Assembly Bill 118.

### **California: CEC Funding for Climate Change Projects**

The California Energy Commission today awarded \$1,154,230 to spur research for projects including one improving climate change projections used for energy forecasts. Funds for the [10 projects come from the Commission's Public Interest Research Project \(PIER\) program](#). Transportation and alternative fuel projects include the following: UC Riverside was awarded \$94,714 for an eco-routing navigation system for electrical vehicles (EV). The project would calculate travel routes for electrical vehicles using the least amount of energy so that the EV range would be extended. UC Riverside will also receive \$94,516 to investigate a new process to produce substituted natural gas from wet organic wastes. Physical Sciences Inc. will receive \$95,000 to study laser-based, natural gas sensors to provide rapid warning about pipeline leaks.



## **Reports & Tools**

### **EPA Air Quality Planning Resources for State, Tribal and Local Air Agencies**

EPA has released a new Roadmap to help state, tribal, and local air agencies include emission reductions from energy efficiency and renewable energy in State and Tribal Implementation Plans (SIPs and TIPS) to improve air quality in state or tribal areas. The Roadmap focuses on emissions benefits from energy efficiency, as well as renewable energy policies and programs in the electric power sector. It reflects input received from a number of stakeholders, including state and local energy and air quality agencies. For more information, please visit the State and Tribal [Roadmap website](#).

### **SmartWay List Serv**

The way to get timely notice of webinars and other national news is by subscribing to the SmartWay List Serv. If you're a partner or affiliate, you should automatically receive emails! [Sign up for the list serv here](#).

### **Free Online Driver Training: SmartDriver Highway Trucking**

FleetSmart: introducing fleets to energy-efficient practices that can reduce fuel consumption and emissions, offering free practical advice on how energy-efficient vehicles and business practices can reduce fleet operating costs, improve

productivity and increase competitiveness. Becoming a [SmartDriver](#) is a cost-effective, safe and responsible way to reduce costs and the environmental impact of fleet operations, reducing GHG's and improving air quality.

### **National Research Council's Transportation Research Board Paper: Climate Change and Transportation: Summary of Key Information**

From polluting exhaust spewed from tailpipes to caved-in roadways due to extreme weather, transportation and climate change have an intimate and insidious relationship, the Transportation Research Board (TRB) has outlined in a [new paper](#). Based on studies by TRB and the National Academy of Sciences, the paper is designed to be a succinct resource for professionals in the field on how transportation contributes to and is affected by climate change.

### **DOE NREL National Fuel Cell Electric Vehicle Learning Demonstration Report**

This [Nation Fuel Cell Electric Vehicle Learning Demonstration report serves](#) as one of many mechanisms to help transfer knowledge and lessons learned within various parts of DOE's Fuel Cell Technologies Program, as well as externally to other stakeholders. It is the fifth and final such report in a series.

### **World Health Organization's International Agency for Research on Cancer (IARC) Working Group Decision on Carcinogenicity of Diesel Exhaust**

The International Agency for Research on Cancer (IARC), which is part of the World Health Organization (WHO), [classified diesel engine exhaust as carcinogenic to humans](#), based on sufficient evidence that exposure is associated with an increased risk for lung cancer. The Work Group stated that "The scientific evidence was compelling and the Working Group's conclusion was unanimous: diesel engine exhaust causes lung cancer in humans. Given the additional health impacts from diesel particulates, exposure to this mixture of chemicals should be reduced worldwide."

### **U.S. National Cancer Institute Diesel Exhaust Study**

The National Cancer Institute and the National Institute for Occupational Safety and Health recently released the [Diesel Exhaust in Miners Study \(DEMS\)](#). DEMS was designed to evaluate the risk of death associated with diesel exhaust exposure, particularly as it may relate to lung cancer. The researchers observed increased risk for lung cancer death with increasing levels of exposure to diesel exhaust. Although the investigators studied miners with very high exposure levels, workers in other settings are also exposed to diesel exhaust.

### **DOE Publishes Plug-In Electric Vehicle Handbook for Fleet Managers**

The U.S. Department of Energy's Clean Cities Program has produced the [Plug-In Electric Vehicle Handbook](#) to provide fleet managers with information on plug-in vehicles, their maintenance, safety, emissions, charging equipment, and other topics. The handbook covers technology basics for plug-in electric vehicles and plug-in hybrids, benefits, purchasing considerations, tips on maintenance, charging equipment, and more. State and local officials may want to consider plug-in electric vehicles for their fleets to demonstrate environmental leadership, reduce operating costs and emissions, and comply with fleet requirements.

### **Bloomberg Government Study on Freight Movement**

Bloomberg's latest report [Trucks, Planes, Trains & Ships: The Rising Costs of Moving America's Freight](#) finds that congestion, rather than poor road conditions, is the largest cause of freight delay, costing \$23 billion in 2010.

### **National Research Council Review of the 21st Century Truck Partnership**

In July 2010, the National Research Council (NRC) appointed the Committee to Review the 21st Century Truck Partnership, Phase 2, to conduct an independent review of the 21st Century Truck Partnership (21CTP). The 21CTP is a cooperative research and development partnership including four federal agencies-the DOE, DOT,



DoD, EPA and 15 industrial partners. The purpose of this Partnership is to reduce fuel consumption and emissions, increase heavy-duty vehicle safety, and support research, development, and demonstration to initiate commercially viable products and systems. This is the [NRC's second report](#) on the topic and it includes the committee's review of the Partnership as a whole, its major areas of focus, 21CTP's management and priority setting, efficient operations, and the new SuperTruck program.

### **NACFE Study 6x2s, Tire Pressure, and Idle Reduction**

The North American Council for Freight Efficiency is following up on its Fleet Fuel Benchmarking Study with three new research projects, on 6x2 tractor configurations, alternatives for maintaining correct tire pressure, and anti-idling products and strategies for sleeper tractors. These projects are designed to take a closer look at some of the technologies and strategies in last year's [landmark benchmarking study](#). More info can be found for the following studies: [2012 6x2 Axle Fuel Economy Testing](#) and the [2012 Tire Pressure Study](#), as well as the [2012 Anti-Idling Study](#).

### **Union of Concerned Scientists (UCS) State of Charge Report**

The UCS report, [State of Charge: Electric Vehicles' Global Warming Emissions and Fuel-Cost Savings Across the United States](#), compares the global warming emissions from EVs with those from gasoline-powered vehicles and finds that: Nationwide, EVs charged from the electricity grid produce lower global warming emissions than the average compact gasoline-powered vehicle- even when the electricity is produced primarily from coal in regions with the “dirtiest” electricity grids. In regions with the “cleanest” electricity grids, EVs produce lower global warming emissions than even the most fuel-efficient hybrids.

### **Texas Transportation Institute's 2011 Annual Urban Mobility Report**

The [2011 Urban Mobility Report](#) builds on previous Reports with an improved methodology

and expanded coverage of the nation's urban congestion problem and solutions. This report provides information on long-term congestion trends, the most recent congestion comparisons and a description of many congestion improvement strategies.

### **NOx Verification Protocol and Actual Testing of Onboard Idle Reduction Technologies (IRT)**

The Texas Transportation Institute research team developed a verification protocol, which can be used to evaluate the performance of IRT devices on a standardized basis. The performance of various IRT devices was tested according to this protocol. The results and findings from the IRT device testing are presented [in this report](#).

### **Air Toxics Solutions Report and Recommendations, Portland, OR**

Oregon Department of Environmental Quality developed a ground-breaking study of air toxics problems and potential solutions in the Portland region. See the [Report, Recommendations and Fact Sheet](#).

### **Duke University Cold-Ironing as a Cost-Effective Tool for Improving Sustainability in the Shipping Industry**

[This project](#) investigates whether or not cold-ironing, a method by which ships use shore-side electric power rather than auxiliary engines while in port, can improve environmental performance in a cost-effective manner. The results demonstrated that cold-ironing could deliver substantial savings, dependent on the relative magnitudes of fuel and electricity prices. Overall, smaller ships did not experience savings as they could not recoup the costs of the cold-ironing retrofit.

### **Demonstration of Locomotive Idle Reduction Technology for New York State Short Line Railroads**

In New York State, the Powerhouse™ Diesel Warming System was demonstrated on 11 different locomotives utilized by seven short line railroads. The project provided the short line railroads with real-world operational experience of these idle reduction systems, along with the

benefits and cost savings that can be achieved with their use. The [benefits of this demonstration](#) were documented.

### California: ARB's Vision for Clean Air

The [Vision for Clean Air: A Framework for Air Quality and Climate Planning](#) has been released by staff of the Air Resources Board, the South Coast Air Quality Management District and the San Joaquin Valley Air Pollution Control District. This joint agency effort takes a coordinated look at strategies needed to meet California's multiple air quality and climate goals well into the future.

### California: South Coast Air District AQMP Draft Control Measures

The [2012 Air Quality Management Plan \(AQMP\)](#) for the South Coast Air Basin will incorporate the

latest scientific and technological information and planning assumptions, including the 2012 Regional Transportation Plan/Sustainable Communities Strategy and updated emission inventory methodologies for various source categories.

### California: South Coast Air District's Multiple Air Toxics Exposure Study

The South Coast Air Quality Management District commenced its fourth [Multiple Air Toxics Exposure Study](#) that will monitor and evaluate air quality and determine risk from exposure to air toxics in the South Coast Air Basin. The extensive study includes an air monitoring program, an updated emissions inventory of toxic air contaminants, and a regional modeling effort to characterize risk across the Basin.



## Links & Resources

### Available Idling Reduction Equipment

The Alternative Fuels and Advanced Vehicles Data Center of the U.S. DOE's Office of Energy Efficiency and Renewable Energy identifies manufacturers of idling reduction equipment and provides [links to their websites](#). For EPA-verified idling reduction technologies in eight categories, please visit [EPA's SmartWay Transport website](#).

### DOT's FHWA Webinars of Freight and the Environment

The Federal Highway Administration hosts monthly "Talking Freight" seminars aimed at providing technical assistance, training, tools, and information to help the freight and planning workforce meet the transportation challenges of tomorrow. Seminars are free! The next webinars include: August 15 [Freight Considerations in Traffic Incident Management](#) and September [Integrating Sustainability Analysis into Freight](#). Past [presentations and recordings from Talking Freight web seminars](#) are available.

