



West Coast Collaborative Communicator

February 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.](#)

This West Coast Collaborative Communicator includes:

1. **Funding Opportunities**
2. **Events**
3. **Tools & Resources**
4. **Reports**
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6. **Technology Development**
7. **Technology Deployment**

Please send relevant new announcements, corrections, or other ideas and suggestions to the West Coast Collaborative at dieselgrants@epa.gov



Funding Opportunities

US EPA receives funding for Diesel Emissions Reduction Act (DERA) grant program in 2014 budget

Congress Agrees on Omnibus Spending Bill for FY 2014, Including Air Grant Increases (January 14, 2014)

The House and Senate Appropriations Committees have announced their agreement on an omnibus bill that will provide funding for federal programs for FY 2014, including increases for state and local air quality grants under Sections 103 and 105 of the Clean Air Act. The omnibus bill (Senate

amendment to H.R. 3547) calls for \$228.2 million for state and local air grants under Sections 103 and 105, which is \$4.8 million above the FY 2013 level after the sequestration cuts took effect, but \$29 million below the President's FY 2014 request. The total appropriation for EPA is \$8.2 billion, which is \$299 more than the FY 2013 post-sequestration amount, and \$47 million above the President's request. The bill calls for \$20 million for funding under the Diesel Emission Reduction Act (DERA), which is \$1.1 million

above FY 2013 post-sequestration levels and \$14 million above the President's request.

<http://www.4cleanair.org/newsTop.asp>

House Bill Summary

http://appropriations.house.gov/uploadedfiles/01.13.14_fy_2014_omnibus_-_interior_-_summary.pdf

Senate Bill Summary

<http://www.appropriations.senate.gov/news.cfm?method=news.view&id=5aa8e660-f52e-4074-945f-9618eb963ae9>

Bill text (EPA portion begins on page 775)

http://docs.house.gov/billsthisweek/20140113/CPRT-113-HPRT-RU00-h3547-hamdt2samdt_xml.pdf

Explanatory Statements (Regional Haze-page 35; Grant Allocation-page 38; Livestock-page 53; Grant Tables-pages 81-88)

<http://docs.house.gov/billsthisweek/20140113/113-HR3547-JSOM-G-I.pdf>

FY 2014 Categorical Program Grants

http://4cleanair.org/Documents/OmnibusSTAG_CAT_Grants_2014-Omnibus.xls

FY 2014 Resources by Appropriation

http://4cleanair.org/Documents/OmnibusAppropriationsSummary_2014Omnibus-totalEPA.xls

US EPA offers \$4 million in DERA grant funds for projects to improve air quality at marine and inland water ports

Applications due February 13, 2014 by 4 p.m. EST

EPA recently announced a \$4 million funding opportunity for projects to improve air quality at marine and inland water ports. Port authorities are eligible to apply. Community groups, local governments, terminal operators, shipping carriers, and other business entities are encouraged to partner with eligible port authorities. Projects may include drayage trucks, marine engines, locomotives, and cargo handling equipment. Grant funds may be used for retrofit technologies that are verified by EPA or CARB; idle reduction technologies for marine vessels and locomotives

that are EPA verified; and early replacement or repower with certified engine configuration. EPA will collect proposals until February 13, 2014. For more detailed information about the program requirements, eligible applicants and engines, please visit <http://www.epa.gov/otaq/ports/ports-dera-rfp.htm>

Bay Area Air Quality Management District (BAAQMD) has approximately \$15 million in Carl Moyer Memorial Air Quality Standards Attainment Program available on a first come first served basis. More information can be found here: www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8

California Air Resources Board (CARB) is offering approximately \$48 million for loan guarantees for on-road heavy duty vehicle loan program. More information can be found here: <http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf>

DOE Offers \$50 Million to Advance Fuel Efficient Autos

The U.S. Department of Energy (DOE) recently announced nearly \$50 million to accelerate research and development of new vehicle technologies that give drivers and businesses more transportation options and protect the environment in communities nationwide. This new funding includes support for DOE's EV Everywhere Grand Challenge, a broader initiative launched in March 2012 to make plug-in electric vehicles (PEVs) as affordable and convenient to own and drive as today's gasoline-powered vehicles within the next 10 years. The funding will support a wide range of technologies that further cut fuel costs for drivers and help make vehicles more efficient and durable, including lightweighting materials; cost-effective batteries and power electronics; advanced heating, ventilation, and air conditioning systems; and improved fuels and lubricants. With support from DOE, U.S. automakers, universities, and national laboratories have achieved significant

advances in vehicle efficiency and electrification, including cutting the cost to manufacture advanced electric vehicle batteries by 50% over that last four years. At the same time, the size and weight of PEV batteries has also been reduced by more than 60%, while improving overall vehicle performance and durability. Last year, Americans bought nearly 100,000 plug-in electric vehicles, nearly twice as many as sold during 2012. According to industry estimates, the U.S. PEV market is on track to pass the 200,000 sales milestone by spring 2014—nearly two years faster than hybrid electric vehicles reached this milestone after their introduction 10 years ago.

<http://energy.gov/articles/secretary-moniz-announces-nearly-50-million-advance-high-tech-fuel-efficient-american-autos>

DOE ANNOUNCES \$50 MILLION FOR VEHICLE R&D FUNDING, RELEASES PLUG-IN PROGRESS REPORT

The DOE will award \$49.4 million in new funding for projects that accelerate research and development of new vehicle technologies. The announcement identifies 13 areas of interest, of which 7 are described as “critical technologies” to meet the EV Everywhere Grand Challenge, which has a goal of making EVs more affordable and convenient to own.

<http://chargedevs.com/newswire/doe-announces-50-million-for-vehicle-rd-funding-releases-plug-in-progress-report/>

http://www1.eere.energy.gov/vehiclesandfuels/electric_vehicles/pdfs/everywhere_road_to_success.pdf

DOE OFFERS \$10 MILLION IN RESEARCH FUNDING FOR BATTERIES, MOTORS AND POWER ELECTRONICS

If you’ve got an idea for cheaper, lighter, safer or more durable batteries or electric powertrain components, you may be eligible for a piece of a new \$10 million pot of research funding. The

DOE’s Vehicle Technologies Office (VTO) has issued an Incubator Funding Opportunity Announcement (FOA) for projects that address any of several areas.

<http://chargedevs.com/newswire/doe-offers-10-million-in-research-funding-for-batteries-motors-and-power-electronics/>
<https://eere-exchange.energy.gov/#FoaIdf16f6208-d22c-4881-8be9-7c64d468e86b>

DOT offers nearly \$25 Million for More Zero-Emission Buses

The U.S. Department of Transportation (DOT) recently announced that its Federal Transit Administration (FTA) is making \$24.9 million available through its new Low- or No-Emission Vehicle Deployment Program that will put a new generation of advanced, non-polluting transit buses on the road in communities nationwide. The funds are intended to encourage more widespread adoption of reliable “green energy” buses into transit fleets. FTA will award the funds on a competitive basis to transit agencies and state transportation departments working either independently or jointly with bus manufacturers that are already making low- and zero-emission buses. The program builds on the success of FTA’s National Fuel Cell Bus Program, which invested in the research, development, and testing of alternative fuels and related equipment, such as electric charging stations, for the transit industry. This program successfully committed \$90 million over seven years for innovative research, demonstration, and deployment projects to reduce the cost of fuel cells for transit use. In addition to their environmental benefits, LoNo transit buses will, in the long run, help transit agencies save money on fuel and maintenance costs. According to the Energy Department's National Renewable Energy Laboratory, zero-emission buses can achieve more than double the fuel economy of buses running on diesel and other fuels.

http://www.fta.dot.gov/newsroom/news_releases/12286_15778.html

The omnibus appropriations bill that Congress recently passed includes \$600 million for another round of US DOT's [TIGER program](#), which provides grants for surface transportation projects across all modes. US DOT will likely issue a Notice of Funding Availability (NOFA) soliciting projects by early March.

As with past years, ODOT expects to run a coordinated statewide process for TIGER grants. ODOT will apply for a number of projects, serve as partners for local applications that impact the state highway system, offer letters of support for all meritorious applications, and designate a handful of projects as statewide priorities for funding under TIGER.

Features of TIGER 6

TIGER 6 is likely to be very similar to the first five rounds of funding. As in the past, 20 percent of funding is set aside for projects outside urbanized areas, and these projects do not require a match. In urban areas the minimum application amount is \$10 million (plus a 20 percent non-federal match, for total minimum project size of \$12.5 million), and in rural areas the minimum application and project size is \$1 million. The TIGER selection criteria have typically focused on

readiness and a project's impacts on state of good repair, economic competitiveness, safety, livability and sustainability. This year Congress provided up to \$35 million for the planning, preparation or design of eligible projects; these grants are not subject to the minimum grant size requirements.

ODOT Applications

TIGER limits each organization to no more than three applications, and ODOT is beginning the process of selecting the agency's likely applications. If you would like ODOT to submit a TIGER application for a state highway project (or other project under ODOT's jurisdiction), please contact [Travis Brouwer](#), ODOT Federal Affairs Advisor, and the appropriate ODOT Area Manager immediately so we can consider the request.

For Additional Information

ODOT has created a [TIGER 6 webpage](#) with basic information. The webpage will be updated with more details, including additional information on ODOT's process for endorsing local applications, once US DOT releases the TIGER NOFA.



Events

[HHP Summit 2014 Set for New Orleans](#)

HHP Summit 2014, focusing on natural gas for high horsepower applications, will take place **October 7-9** in New Orleans. *Fleets & Fuels* (and *HHP Insight*) publisher Gladstein, Neandross & Associates has signed Caterpillar, AGL Resources and Chart Industries as presenting sponsors.

[ACT Expo 2014 Agenda Released](#)

Organizer GNA has released the agenda for the 2014 Alternative Clean Transportation Expo, which returns to Southern California **May 5-8** at the Long Beach Convention Center. ACT Expo 2014 is co-located with NGV Global 2014, the world natural gas vehicles meeting, and the conference agenda indicates strong growth across

all segments of the clean transportation marketplace.

[Applications for Leading Public Fleets Award due 3/14/14 – Winners announced at Government Fleet Expo \(6/2-4/14 in San Diego, CA\)](#)

Applications for the Leading Fleets award are now open. Government fleets are encouraged to submit an application for the new award recognizing operations that are performing at a high level in fleet innovation and leadership.

<http://www.government-fleet.com/content/leading-fleets-submit-nominations-2014.aspx>

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

National Public Agency Green Transportation Conference

Portland, OR February 18-20, 2014

<http://www.transenergysolutions.com/gtc-portland-2014/>

Public and private fleets welcome! Join hundreds of other public agency leaders, fleet managers, equipment suppliers, infrastructure providers and financing partners for this premiere alternative fuels, fleet and equipment modernization event. With a robust list of exhibitors and more than 300 fleet professionals in attendance, the first Green Transportation Conference focused specifically on the needs of public agencies will provide you with the information, resources and networking opportunities to put your fleet out in front of this historic market transformation

[Global school transport conference to be launched in U.K.](#)

Interchangeability 2014, to be held June 15-18 in Buckinghamshire, England, is designed to bring together school transportation professionals from around the world to share ideas and best practices. The conference is the creation of transportation veterans Sian Thornthwaite and Kirsti Robinson.



Tools & Resources

[Clean Cities Releases Vehicle Buyer's Guide](#)

Clean Cities' 2014 Vehicle Buyer's Guide provides a comprehensive list of gasoline-electric hybrids and vehicles that run on propane, compressed natural gas (CNG), electricity, E-85, and biodiesel.

[Clean Cities Launches Improved ROI Tool for CNG Investments](#)

The Department of Energy's Clean Cities program launched an improved tool that helps fleet managers evaluate the financial soundness of investments in compressed natural gas (CNG) vehicles and/or fueling infrastructure.

[How is the Improving Economy Affecting Fleet Budgets?](#)

The economy is undoubtedly improving, and oftentimes, public fleet finances are improving along with it. In a Government Fleet survey, 59% of respondents said their fleet finances are back to pre-recession levels and 80% said they're optimistic about the future, but others still face challenging times and fear their budgets will never get back to "normal."

[Telematics by the Numbers](#)

Telematics devices are increasingly used by government fleets. But with budgets under close scrutiny, are they a wise investment? Four fleets discuss the savings and return on investment associated with their telematics solutions.

[Preventive Maintenance Then & Now: What's Different?](#)

There are many building blocks in the edifice of successful fleet management. From vehicle selection to assignment, and from replacement

cycles to policy, everything has its place. One of the basic foundations of any fleet operation is the preventive maintenance schedule.

[A Certification for Heavy Equipment Fleet Managers](#)

The Association of Equipment Management Professionals (AEMP) provides a Certified Equipment Manager (CEM) certification that it says addresses the needs of fleets with diverse assets, with a focus on heavy equipment.

[6 Steps to Transitioning to Alternative Fuels](#)

A well-thought-out and planned methodology is essential for alternative-fuel implementation success. Here are six steps that can help fleets achieve their alt-fuel goals.

[Vehicle Depreciation Slips to 12.8% in 2013](#)

Used-vehicle depreciation improved toward the end of 2013, and vehicles depreciated 12.8 percent in the year, a slight pullback from the 12.4 percent depreciation in the previous year, reports Black Book.

[ALI Lift Safety Course Goes Online](#)

The Automotive Lift Institute (ALI) adapted its Lifting It Right DVD into an interactive, Web-based format. A narrator guides trainees through curriculum covering lift types, the lifting and lowering process, and lift maintenance.



Reports

US EPA Travel Efficiency Assessment Method (TEAM) Report

This report documents 3 case studies of the application of TEAM (Travel Efficiency Assessment Method) to assess the potential regional emission reductions from travel efficiency strategies. TEAM is an analytical approach that uses local travel activity information, sketch-planning travel activity analysis, and MOVES emissions modeling to estimate potential emission reductions from combinations of travel efficiency strategies. The case studies offered an opportunity for EPA to provide technical support to 3 areas interested in exploring tools to assess travel efficiency strategies, to demonstrate the capabilities of the TEAM approach, and to evaluate its usefulness at the regional scale. The resulting report documents the process, modeling and analyses performed in partnership with regional planners from Boston, Kansas City and Tucson. The final report can be found at:

<http://www.epa.gov/otaq/stateresources/ghtravel.htm>

[Navigant Research - Nearly 350,000 Hybrid and Electric Trucks Will be Sold Worldwide from 2013 to 2020](#)

While hybrid, plug-in hybrid, and battery electric drivetrains have successfully penetrated the light duty passenger vehicle market, the commercial truck market has proven to be more of a challenge. Government stimulus spending from 2008 to 2011 spurred R&D, production, and deployment of hybrid and plug-in commercial trucks, but demand has only recently begun to grow. According to a new report from Navigant Research, nearly 350,000 light, medium, and heavy duty hybrid and electric trucks will be sold in the global commercial fleet market from 2013 through 2020. “Hybrid and electric truck market growth has slowed since 2011,” says Lisa Jerram, senior research analyst with Navigant Research. “Since then, fleet managers have been learning

which routes get the most fuel savings benefit and which don’t offer a fast enough payback to justify the price premium. While interest is picking up again, especially in North America, this market still relies on subsidies to offset substantial price premiums over conventional trucks or even natural gas vehicles.”

FC Gas Intelligence Whitepaper - Natural Gas for Nonroad High Horse Power Applications

The transition to Natural Gas as a fuel in the North American Off-Road (High Horse Power) markets is increasing rapidly as the nation’s major E+P, Marine, Mining & Rail companies seek to capitalize on this abundant, domestically produced and cheap fuel. Responding to this change, FC Gas Intelligence are pleased to announce the release of our complimentary *Natural Gas for High Horse Power Applications USA Market Whitepaper*, a 28 page comprehensive analysis of this fast growing market.

<http://www.ngvevent.com/pdf/NGhorsepowerreport.pdf>

[Navigant Research - Sales of Natural Gas Trucks and Buses Will Reach Nearly 400,000 by 2022](#)

Driven by the lower cost of natural gas and the lower emissions from natural gas engines, compared to diesel fuel, operators of truck and bus fleets are increasingly shifting to natural gas vehicles. New markets for natural gas vehicles, such as the United States and China, tend to focus on fleet markets, particularly trucks and buses, because they require fewer refueling stations and fuel costs have become the highest or second highest cost for fleets. According to a new report from Navigant Research, worldwide sales of natural gas trucks and buses will grow from 170,200 annually in 2013 to 398,400 by 2022. “Demand for natural gas trucks and buses remains uneven on a regional basis,” says Dave Hurst,

principal research analyst with Navigant Research. “In North America, where natural gas costs remain low, the number of vehicles is outstripping the development of refueling stations. In Asia Pacific, China and other developing markets are looking to natural gas to help address environmental woes in large cities. As a result, the total number of natural gas trucks and buses on the road by 2022 is anticipated to reach nearly 4 million.”

Blue Bird propane bus performs well in cold temps

Officials from school districts and bus companies on the East Coast and in the Midwest report easy starting, quick warm-up and quiet operation of the propane Vision school buses in their fleets during the recent cold snap. Blue Bird says propane autogas' natural properties keep the fuel in a constant liquid form, free from freezing or gelling, and the liquid form provides better control of the air-to-fuel ratio, resulting in excellent start-up dependability.

Navigant Research - Nearly 2.6 Million Plug-In Electric Vehicles Will Be Sold in the United States between 2013 and 2022

As the market for plug-in electric vehicles (PEVs) in North America matures, the highest rates of growth can be found in predictable places: California, New York, and Florida, which have among the highest gasoline prices in the United States. Significant sales are also occurring, however, in more surprising locales, such as North Carolina and Texas. According to a recent report from Navigant Research, by 2022, even the least populated states will see cumulative PEV sales in the thousands, and a total of nearly 2.6 million PEVs will be sold nationwide between 2013 and 2022. “In both Canada and the United States, the market for plug-in electric vehicles is expanding rapidly as these vehicles become more widely available,” says David Alexander, senior research analyst with Navigant Research. “Overall, sales of PEVs in North America are expected to expand at a significantly higher rate in the next 10 years than that of the general light duty vehicle market.”

Navigant Research - More Than 35 Million Electric Vehicles Will be On Roads Worldwide by 2022

The fast-growing market for electric vehicles (EVs) – including hybrids, plug-in hybrids, and battery electric vehicles – has become a small but important part of the global automotive industry. Governments worldwide are keen to see increasing penetrations of EVs due to the environmental, economic, and energy security benefits they provide. According to a new report from Navigant Research, by 2022 there will be more than 35 million EVs on roads worldwide. “With gasoline prices remaining high, acquiring an EV is becoming an economic decision for many consumers,” says Scott Shepard, research analyst with Navigant Research. “The initial purchase price premiums for EVs, compared to conventional gasoline- and diesel-powered internal combustion engines, are substantial. Yet, operational cost savings due to reduced refueling and maintenance costs are proving that, when considered over the life of the vehicle, EVs are cost-competitive with internal combustion engine vehicles.”

Navigant Research - Electric Vehicle Manufacturers Will Pursue New Revenue Streams Beyond Vehicle Sales in 2014

The global electric vehicle (EV) industry is expected to expand significantly in 2014. The selection of models will increase, as luxury automakers Audi, BMW, Cadillac, Mercedes, Saab, and Volvo will all introduce their first EVs and more affordable EV options are introduced by Kia, Mahindra, Skoda, and Volkswagen. According to a new white paper from Navigant Research, the coming year will see automakers move into multiple adjacent markets, including tapping into plug-in EVs' inherent connectivity to offer information and entertainment options and operating their own carsharing services. The white paper, which identifies 10 significant trends that will shape the EV market in 2014 and beyond, is available for free download on Navigant Research's website.

The Latest Edition of WSDOT [The Hybrid Vehicle and Alternative Fuel Report](#) is now available!

In this issue:

- Women and men buy hybrids at the same rate
- Hybrid and electric cars make up 8% of Washington new car market
- Canadian Best Westerns get electric shuttle vans
- Cold weather reduces range of electric vehicles but improves cost per mile compared to gas
- Silicon Valley has car charger shortage
- Biodiesel production sets record in 2013

To read these stories and one or two others, click [here](#) for the current report or <http://www.wsdot.wa.gov/Finance/Hybrid.htm> where you can download back issues of *The Report*.

[CleanFUEL USA gains UL listing for propane dispenser](#)

The company's Gilbarco Encore S liquefied petroleum gas retail fuel dispenser gains the distinction as an Underwriters Laboratories listing, which CleanFUEL officials say "signifies our commitment to exceeding customer expectations in alternative-fuel dispensing."

[6 tips to strengthen relationships with unions](#)

Being in a transportation management position can sometimes feel like being in between a rock and a

hard place. However, directors who have effective working relationships with their unions say frequent communication, pitching in to build a team, and researching collective bargaining agreements help.

[The Business Case for Fuel Cells](#)

The [Business Case for Fuel Cells](#), compiled by Fuel Cells 2000 with support from the Fuel Cell Technologies Office, profiles a select group of nationally recognizable companies and corporations that are deploying or demonstrating fuel cells. These businesses are taking advantage of a fuel cell's unique benefits, especially for powering lift trucks and providing combined heat and power to their facilities.

http://www1.eere.energy.gov/hydrogenandfuelcells/market_publications.html#mkt_business

[Use of GPS technology cuts costs for fleets](#)

Connecticut-based regional water company operating 300 vehicles said it saved \$64,000 in fuel costs a year by being able to control excess idling via its MRM system



Policy

[President Obama Calls Natural Gas the 'Bridge Fuel' in State of the Union](#)

President Obama urged the nation to shift more cars and trucks to natural gas as "the bridge fuel that can power our economy with less of the carbon pollution that causes climate change."

NHTSA: EVS POSE DIFFERENT SAFETY RISKS THAN ICES, NOT MORE

Some of the more colorful conservative media would have us believe that EVs are exploding death traps, while Tesla and other EV makers insist that they are actually far safer than ICE vehicles. The truth, according to the top US auto-safety regulator, lies somewhere in between.

<http://chargedevs.com/newswire/nhtsa-evs-pose-different-safety-risks-than-ices-not-more/>

[Former U.S. Transportation Secretary LaHood joins infrastructure coalition](#)

Ray LaHood, who stepped down from his post at the helm of the U.S. Department of Transportation last year, is named a co-chair of Building America's Future. The coalition works to raise awareness about the need to invest in the nation's roads, bridges, airports, rails and ports.

[MEMA Considers Northern Calif. Chapter](#)

The Municipal Equipment Maintenance Association (MEMA) plans to expand its informational and educational programs as well as continue the association's expansion with regional

chapters in 2014, said Paul Condran, MEMA's new president.

[Utah bill would provide \\$20M for alt-fuel school buses](#)

House Bill 41 would allow the state Board of Education to award a grant to a school district or charter school to replace a school bus manufactured before 2002 with a bus that uses compressed natural gas, propane or clean diesel fuel. The grant could also be used to install an alternative-fuel fueling station and to retrofit an operation's maintenance facility to service alternative-fuel school buses.



Technology Development

[Trans Tech all-electric bus passes certification in California](#)

The SSTE is now legal to operate in the state after passing the California Highway Patrol's certification, and the first bus is scheduled to go to Kings Canyon Unified School District in Reedley, Calif. Officials for Trans Tech Bus say the SSTE is scheduled to start full production later this year.

BYD ELECTRIC BUS DELIVERS EXPECTED RANGE IN FIRST PHASE OF CANADIAN ROAD TRIALS

Canadian transit companies have completed the first phase of a ten-month trial of a 40-foot BYD battery-electric bus in Gatineau, Québec and Ottawa, Ontario. The evaluation was performed by the Société de transport de l'Outaouais (STO) in conjunction with AVT, a consortium of Québec's nine transit corporations that evaluates zero-emissions public transit technologies.

<http://chargedevs.com/newswire/byd-electric-bus-delivers-expected-range-in-first-phase-of-canadian-road-trials/>

[Worcester RTA Adds Proterra Buses](#)

Greenville, S.C.-based Proterra is talking up the order of three additional EcoRide all-electric buses by the Worcester Regional Transit Authority in Massachusetts - increasing the agency's battery bus count to six, '13% of its entire fleet.' WRTA made its initial purchase from Proterra in September 2012.

[UQM Drive for Indonesian Electric Bus](#)

UQM Technologies said Tuesday that Jakarta-based PT Sarimas Ahmadi Pratama is using its PowerPhase Pro 135 drivetrain, its 17-passenger battery electric bus - expanding the Colorado company's global customer base.

[Viridian, Green Automotive to Produce Electric Trucks](#)

Green Automotive Co. (GAC) has invested in Viridian Motor Corp. in a partnership to produce small electric trucks in the U.S., the company announced earlier this month.

[US Hybrid Clears Fuel Cell License Hurdle](#)

Southern California's US Hybrid reports a global licensing agreement with United Technologies Corp. Allowing it to commercialize the proton exchange membrane hydrogen fuel cells, developed by UTC Power in Connecticut.

SoCalGas on Near-Zero-Emission NGVs

Ultra-low-emission heavy-duty natural gas engines can help California achieve its air quality, climate protection and petroleum-displacement goals - if policymakers and manufacturers emulate the success of smaller vehicles, states a new report from Southern California Gas. The SoCalGas paper was prepared by *Fleets & Fuels* publisher GNA - Gladstein, Neandross & Associates.

Lightning Refines Hydraulic Hybrid Strategy

Colorado's Lightning Hybrids is moving to differentiate its hydraulic hybrid drivetrains from the electric hybrid competition, emphasizing higher-torque suitability for heavy vehicles. A new brake retarder and more aggressive lease offerings too, plus a pitch to improve CNG and propane vehicle torque.

TC Series Hi-Ranger Non-Overcenter Aerial Device

The Terex Hi-Ranger Non-Overcenter Aerial Device TC Series features two models with a working height of 57 or 60 ft., depending on the product.

R55-9A & R55W-9A Excavators

The certified final Tier 4 R55-9A and R55W-9A mini excavators from Hyundai Construction Equipment Americas are ideal for rental, light construction, utility, and landscape applications.

HighLift 15B Collector

With a maximum vertical emptying height of 72 inches, the HighLift 15B collector allows operators to empty clippings and debris into an elevated space such as a pickup bed or trailer, or other hard-to-reach areas.

BE69 Hybrid Scissor Lift Series

Genie is expanding its 69-inch scissor lift options with a new bi-energy (BE) hybrid rough terrain electric scissor lift series.

IC Bus now delivering CE units with Cummins engine

The first CE Series school buses equipped with the Cummins ISB 6.7-liter engine are released from IC Bus' Tulsa, Okla., assembly plant. The OEM says that, to date, it has received more than 2,000 orders for CE buses with the Cummins engine.

Ricardo Opens Silicon Valley Test Center

Ricardo is establishing itself at a 20,000-square-foot facility in Santa Clara, Calif. 'further expanding the company's development and testing capabilities for aftertreatment systems, gasoline, diesel, dual-fuel and natural gas-powered engines, and fuel cells.'

Optimum Reports Type III Certifications

Utah's Optimum Composite Technologies is stepping up its presence in natural gas vehicles, reporting qualification of two 16-inch-diameter 'Blue Line' brand Type III cylinder sizes to NGV2-2007 and DOT FMVSS304 specifications.

Propane Price Crisis Said to be Temporary

Abnormally high propane prices are the result of serious, but short-term influences and are likely to abate soon, say proponents of the vehicle fuel they market as autogas. And, they say, more use of propane autogas would improve the situation. As vehicles run year-round, there would be more incentive to invest in the infrastructure that would help prevent price spikes like the current one.



Technology Deployment

VIA MOTORS RECEIVES \$80-MILLION COMMITMENT FOR TRANSCONTINENTAL ELECTRIFICATION PROJECT

VIA Motors has received an \$80-million purchase agreement to electrify hotels and other businesses as part of a transcontinental electrification project. The privately-funded project, Sun Country Highway, has placed over 1,000 charging stations across Canada to allow EV owners to travel coast-to-coast with free charging.

<http://chargedevs.com/newswire/via-motors-receives-80-million-commitment-for-transcontinental-electrification-project/>

[e-NV200 for FedEx in Washington, D.C.](#)

[UPS Updates Its LNG Truck Plans](#)

Suppliers and transporters are supporting UPS, which plans to have deployed more than 900 LNG tractors at more than a dozen locations by August, with Jacksonville, CACH (the firm's Chicago Area Consolidated Hub) and Tennessee each getting transportation and fleet management for the Mesa Public Schools in Mesa, Ariz. He makes the case for propane autogas in the second of a series of 'Straight Talk' videos, freely accessible on the web, prepared by the Propane Education & Research Council.

FedEx Express and Nissan will evaluate the automaker's new e-NV200, a 100% battery-electric compact cargo vehicle, under real-world conditions in Washington, D.C., the firms said at the Washington Auto Show. Previous FedEx Express-Nissan trials of the e-NV200 have been conducted with fleets in Japan, Singapore, the United Kingdom and Brazil.

[Penske Offers 200 CNG Trucks](#)

Penske Truck Leasing now has some 200 compressed natural gas trucks on offer for rental or longer term lease throughout all five of its U.S. regions. The vehicles are Cummins Westport-powered Freightliners: a mix of M2s with 8.9-liter ISL G engines and Cascadia tractors with 11.9-liter ISX12 G engines.

more than 100, according to a company deployment plan.

[PERC Video Details Mesa Schools Propane](#)

Propane has helped make it easier to buy and maintain school buses, says Ron Latko, director of



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

www.westcoastcollaborative.org

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