

www.westcoastcollaborative.org



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

Dear WCC Partners:

See below for the latest WCC Communicator updates. We hope that you find these items informative. www.westcoastcollaborative.org/

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Funding Opportunities

DOE offers funding for research into fuel cells & batteries

The DOE's Funding Opportunity Announcement (FOA) for fiscal year 2015, which spans the range of energy technologies, includes a few EV-related topics. Phase I grants of up to \$225,000 will be made to small businesses to evaluate the feasibility of ideas that have commercial potential.

<http://energy.gov/eere/fuelcells/articles/sbirsttr-release-2-funding-opportunity-deadline-december-15-includes>

CEC Funding - Driving the Integration of Electric Vehicles to Maximize Benefits to the Grid

Purpose of this \$4M solicitation is to fund applied research and development projects that will provide maximum benefits to both the electricity grid and the PEV market through: 1) investigating and piloting strategies to advance smart charging, and 2) developing advanced grid communication interfaces for PEV charging to support vehicle-to-grid services.

http://www.energy.ca.gov/contracts/PON-14-310/PON-14-310_Pre-Application_Presentation.pdf

<http://www.energy.ca.gov/contracts/epic.html#PON-14-310>

California Department of Food and Agriculture (CDFA)

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<http://www.energy.ca.gov/contracts/epic.html#PON-14-310>

California Department of Food and Agriculture (CDFA)

Request for Grant applications for the Dairy Digester Research and Development Program. Please see the [press release](#) and visit their website www.cdfa.ca.gov/go/dd for details, as well as information below.

-If you are interested in such a program and planning to site a project in central CA or the San Joaquin Valley, you may also be interested in applying to these "open request for proposals" [grant funds from the San Joaquin Valley Air District](#).

Nation-wide USDA Rural Energy for America Program (REAP)-has two funding deadlines for FY 2015, which include anaerobic digester funding. The [notice of funding can be found here](#).

NRCS Seeks Applications for Conservation Innovation Grants

Agriculture Secretary Tom Vilsack recently announced that applications are being accepted for up to \$20 million in grants to facilitate the creation of new, innovative markets for carbon credits, providing additional revenue sources for producers and address natural resource conservation challenges. **Pre-proposals are due Tuesday, February 24, 2015.** [For more information click here.](#)

Sustainable Agriculture and Land Conservation Program

The Strategic Growth Council has recently posted the 2015 Sustainable Agricultural Land Conservation Program (SALCP) Guidelines, grant application forms, and supporting material on their website. These Guidelines serve as the Request for Grant Applications (RFGA) for two components of the SALCP: Agricultural Land Strategies, and Agricultural Conservation Easements. This RFGA is envisioned as the first step in a multi-year conservation effort that will conserve agricultural land while reducing greenhouse gas emissions in California. [For guidelines, grant application forms, and supporting material please click here.](#)

[Fiscal Year \(FY\) 2015 Vehicle Technologies Program Wide Funding Opportunity Announcement](#) - DOE Vehicle Technologies Office - \$55.8 million - February 26, 2015 (submission of required concept papers); April 10, 2015 (submission of full application).

[Leading Fleets Awards](#) (call for nominations) - Government Fleet Magazine - March 13, 2015.

[FY 2015 Vehicle Technologies Office Incubator](#) - DOE Office of Office of Energy Efficiency and Renewable Energy - ~\$14 million - March 30, 2015.

US Department of Transportation Grants and Programs

www.dot.gov/livability/grants-programs

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 its on-road heavy duty vehicle loan program. More information can be found here:

www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf.

California offers grants to build a center for alternative fuels

The California Energy Commission (CEC) is making almost \$1.2 million in grant funds available to develop a new center for alternative fuels and advanced vehicle technologies in Central California. Public and private entities with a presence in California can apply for the funds.

<http://chargedevs.com/newswire/california-offers-grants-to-build-a-center-for-alternative-fuels/>
<http://www.energy.ca.gov/contracts/transportation.html#PON-14-606>

Events

West Coast Collaborative Goods Movement Webinar:

Please mark your calendars for a WCC Goods Movement sector webinar on Tuesday, March 3, 2015, 10:00 am to 11:15 am Pacific Time. The tentative agenda for the call is as follows.

- Welcome, roll call
- EPA and National Clean Diesel Campaign updates (Ports Initiative, Regulatory update, DERA news)
- Guest Speaker: Alternative fuels for heavy duty applications in a period of low petroleum prices - CALSTART
- Technology update: TBD
- Closing

We will send conference line and webinar connection information over the coming weeks before the event.

If you have any questions, please contact Francisco Dóñez, Ph.D., Ports and Marine and Locomotive Sector Lead, at (213) 244-1834, or by email at donez.francisco@epa.gov.

[South Coast Air Quality Management District: Environmental Justice For All: A Conversation With the Community - Friday, February 27, 2015](#)

Registration/Breakfast - 8:30 a.m. - 9:00 a.m.

Conference Program - 9:00 a.m. - 4:00 p.m.

This day-long forum will highlight ways in which public agencies can better collaborate with local communities and improve coordination in responding to residents' concerns. Participants will engage in direct dialogue with stakeholders from impacted communities, academic researchers, health professionals, and others focused on the need to protect and improve the region's air quality.

[California Methane Symposium: A Scientific Assessment of Methane Pollution in Southern California and Strategies to Address Emissions](#)

Sponsored by EDF and Climate Resolve

Thursday, March 12, 2015, 1:30 - 4:30 p.m.

Deaton Hall, First and Main Streets, Downtown Los Angeles

At this symposium, climate change and methane experts from leading academic and research institutions will discuss the science behind methane as a major climate change agent. Scientists and government representatives will detail what is both known and unknown about sources and concentrations of methane in California. Representatives from local and state agencies, utilities, and leading organizations will discuss the steps being taken to limit methane pollution and strategies for further reductions.

New research on California's methane problem will be announced.

[Energy Independence Summit](#) February 22-24, 2015 (Washington, D.C.)

[Green Truck Summit](#) March 3-4, 2015 (Indianapolis, Indiana)

[Joint Rail Conference: Railroad Engineering Technology](#) March 23-26, 2015 (San Jose, California).

[Mid-America Trucking Show](#) March 26-28, 2015 (Louisville, Kentucky)

[National Association of Fleet Administrators \(NAFA\) Institute and Expo](#) April 14-17, 2015 (Orlando, FL)

[Green Transportation Summit & Expo](#) April 21-22, 2015 (Portland, OR)

[Fleet Management Expo](#) May 4-6, 2015 (Indianapolis, IN)

[Alternative Clean Transportation \(ACT\) Expo](#) May 4-7, 2015 (Dallas, TX)

[GreenTech 2015](#) - May 27-29, 2015 (Seattle, WA)

[2015 DOE Hydrogen and Fuel Cells Program and Vehicle Technologies Office Annual Merit Review and Peer Evaluation Meeting](#) June 8-12, 2015 (Arlington, Virginia)

[Government Fleet Expo & Conference \(GFX\)](#) June 8-11, 2015 (Denver, CO)

[SAE 2015 Commercial Vehicle Engineering Congress](#) October 6-8, 2015 (Rosemont, Illinois)

HHP Summit 2015 Set for Dallas

The third annual HHP Summit has wrapped, organizer (and HHP Insight publisher) Gladstein, Neandross & Associates has set next year's annual event for October 26-29, 2015 in Dallas.

http://hhpinsight.com/marine/2014/10/hhp-summit-2014-in-new-orleans-2/?utm_source=HHP+Insight+November+6%2C+2014&utm_campaign=Nov.+6%2C+2014&utm_medium=email

[CARB Course 520: How To Comply with CARB Diesel Regulations](#) (Multiple dates and locations)

[CARB Course 521: How To Comply with the Truck and Bus Regulation](#) (Multiple dates and locations)

[FHWA's Talking Freight Seminar Series](#): The Federal Highway Administration's (FHWA's) [Office of Freight Management and Operations](#) and the Office of Planning host the "Talking Freight" seminars. The seminars are part of a broader Freight Professional Development Program aimed at providing technical assistance, training, tools, and information to help the freight and planning workforce meet the transportation challenges of tomorrow. Seminars are held on a monthly basis throughout the year and are open at no cost to all interested parties in both the public and private sectors.

News

Ports/Marine

[Landmark 'Green Port Policy' Turns 10: Port of Long Beach reaffirms commitment to environment.](#)

February 10, 2015: The Long Beach Board of Harbor Commissioners on Monday celebrated the 10th anniversary of the Port of Long Beach's historic Green Port Policy by honoring its originators and reaffirming their commitment to environmental sustainability.

[Reuters: Asian supply lines hit by U.S. West Coast ports dispute.](#)

February 16, 2015: A labor dispute at ports on the U.S. West Coast is disrupting supply chains across the Pacific, forcing some Asian exporters to resort to costly air freight and pushing up shipping rates as more freighters are caught up in long lines to dock.

Tote & PSE Announce Tacoma LNG Deal

Totem Ocean Trailer Express and Puget Sound Energy have publicized their agreement for PSE to provide LNG for Tote's two Orca-class container ships to be converted to LNG-diesel dual fuel operation. 'SE's new facility will provide vital new infrastructure making the use of LNG as a transportation fuel a reality in the Pacific Northwest,' said Tote president John Parrott. http://hfpinsight.com/marine/2014/10/tote-and-pse-announce-lng-fuel-deal/?utm_source=HHP+Insight+November+6%2C+2014&utm_campaign=Nov.+6%2C+2014&utm_medium=email

SGMF Issues Marine Gas Fuel Guide

The London-based Society for Gas as a Marine Fuel has released its first official publication, titled Gas as a Marine Fuel - An Introductory Guide. Described as an 'initial high-level document,' the 48-page Guide serves as a primer for organizations interested in liquefied

natural gas as a marine fuel. http://hhpinsight.com/marine/2014/11/sgmf-issues-gas-fuel-guide/?utm_source=HHP+Insight+November+20%2C+2014&utm_campaign=Nov.20%2C+2014&utm_medium=email

Rail

2015 Smartway Rail Carrier Tool Demonstration Webinar

<http://www.epa.gov/smartway/webinars.htm>

February 19, 2015, 2:30 - 3:30pm (ET)

Register at: <https://epa.connectsolutions.com/railtooldemo/event/registration.html>

Rail Companies, join us as we demonstrate the 2015 SmartWay Rail Company Tool. See how easy it can be to work with the tool and measure your environmental performance! The tool allows you to calculate your company's CO₂, NO_x, and PM emissions and track your company's annual changes in performance. The tool and support materials are currently available at: <http://www.epa.gov/smartway/forpartners/index.htm#rail>.

2015 Excellence Award Criteria

This is the first year that SmartWay Excellence Awards will be open to Rail carrier partners!

<http://www.epa.gov/smartway/about/documents/awards/420f15001.pdf>

Carrier Criteria

Carrier (barge, rail and most truck sub-category) awardees will be selected based entirely on environmental performance criteria.

Rail

* Rail carriers are assessed on 50% CO₂ + 25% NO_x + 25% PM g/gross ton-mile result.

Awards will be given in carrier categories for truck, barge and rail.

* Large Rail Carriers: Class I railroads.

* Small Rail Carriers: Class II and Class III railroads

Read about prior year award winners: <http://www.epa.gov/smartway/about/sw-awards.htm>

2015 SmartWay Excellence Award Webinar

<http://www.epa.gov/smartway/webinars.htm>

February 25, 2015, 2:30PM to 3:30PM (ET)

Register at: <https://epa.connectsolutions.com/swaward2/event/registration.html>

SmartWay Partners: Join us as EPA summarizes and explains the eligibility criteria, process and timeline for the 2015 SmartWay Excellence Award! This is your opportunity to learn what is new for this year and ask questions.

Current SmartWay Rail Carrier partners:

Ann Arbor Railroad

BNSF Railway Company

CSX Transportation

Canadian National Railway Company

Canadian Pacific Railway

Coos Bay Rail Link

Florida East Coast Railway

Genesee & Wyoming Inc
LHP Transportation Services, Inc. (Rail Division)LHPT
Mountain Rail Link
Norfolk Southern Corporation
Pacific Harbor Line, Inc.
Richmond Pacific Railroad
San Pedro & Southwestern Railroad
Tacoma Rail
The Kansas City Southern Railway Co.
The New York, Susquehanna, and Western Railway Corporation
Union Pacific Railroad

Los Angeles Times: Oil train derailments renew questions about safety.

February 17, 2015: The derailments this week of two trains carrying crude oil have raised new questions about the adequacy of federal efforts to improve the safety of moving oil on tank cars from new North American wells to distant refineries.

Fuel Cell/Electric Vehicles and Alternative Fuels

ICCT Study - State EV incentives are driving sales

Following up on its earlier review of national EV incentive programs, the International Council on Clean Transportation (ICCT) has released a new study showing that state incentives are playing a significant early role in driving EV sales.

<http://chargedevs.com/newswire/new-study-state-ev-incentives-are-driving-sales/>

http://theicct.org/sites/default/files/publications/ICCT_state-EV-incentives_20141030.pdf

How to avoid electrical infrastructure upgrades when installing EVSE

With the falling prices, increasing sales and growing mass-market appeal of plug-in vehicles, more and more facility owners are contemplating EV charging amenities for employees, tenants and visitors. EV infrastructure could become a real competitive differentiator by attracting the desirable EV-driving population. <http://chargedevs.com/features/how-to-avoid-electrical-infrastructure-upgrades-when-installing-evse/>

DOE Releases 2013 Fuel Cell Technologies Market Report

The U.S. Department of Energy (DOE) recently released the 2013 Fuel Cell Technologies Market Report, detailing trends in the U.S. fuel cell and hydrogen technologies market. The report highlights continued growth in fuel cell commercial deployments, including material handling equipment such as forklifts as well as combined heat and power systems and back-up and auxiliary power units.

http://energy.gov/eere/fuelcells/market-analysis-reports#mkt_program

http://energy.gov/sites/prod/files/2014/11/f19/fcto_2013_market_report.pdf

DOE Hydrogen and Fuel Cells Program 2014 Progress Report

The U.S. Department of Energy (DOE) Fuel Cell Technologies Office has posted the 2014 Hydrogen and Fuel Cells Program Annual Progress Report. Each year projects funded by

DOE's Hydrogen and Fuel Cells Program are asked to provide information about their most recent progress. The report summarizes these reports and offers additional information about recent Program accomplishments. http://www.hydrogen.energy.gov/annual_progress14.html

Air Force rolls out plug-in vehicle fleet with V2G

Los Angeles Air Force Base has replaced its entire general-purpose vehicle fleet with plug-in vehicles. The 42-vehicle fleet includes 13 Nissan LEAFs, five Ford pick-up trucks with EVAOS PHEV kits, 9 VIA Motors VTRUX vans, four Electric Vehicle International medium-duty trucks and one Phoenix Motorcars 12-passenger bus. By letting charged EVs give electricity back to the grid when needed, vehicle-to-grid technology allows the fleet 'to provide more than 700 kilowatts of power to the grid, sufficient power for more than 140 American homes,' the Air Force says, talking up V2G as a way to both save money and enhance security. <http://www.af.mil/News/ArticleDisplay/tabid/223/Article/554343/af-tests-first-all-electric-vehicle-fleet-in-california.aspx>

EV Fleet targets the commercial vehicle market with a pure electric pickup truck

Several small companies hope to electrify the commercial fleet vehicle market. Most of them are taking what they see as the path of least resistance - converting existing trucks to plug-in hybrids. <http://chargedevs.com/newswire/ev-fleet-targets-the-commercial-vehicle-market-with-a-pure-electric-pickup-truck/>

California considers lifting ban on utilities owning EVSE

Two California utility companies have requested permission to enter the EV charging station business, and a group of state legislators has recommended that the California Public Utilities Commission (CPUC) lift a 2011 ban on investor-owned utilities owning EV charging infrastructure. <http://chargedevs.com/newswire/california-considers-lifting-ban-on-utilities-owning-evse/>

Upgrading a Maintenance Facility for CNG

An often overlooked or misunderstood aspect of a compressed natural gas (CNG) project is the garage upgrade. When upgrading a facility, various codes and best practices need to be considered. http://www.government-fleet.com/article/story/2014/11/upgrading-a-maintenance-facility-for-cng.aspx?utm_campaign=enews-wednesday-20141119&utm_medium=Enewsletter&utm_source=Email

Clean Cities to Help Pool AFV Fleet Buys

The U.S. Energy Department's Clean Cities organization is kicking off a new program to help develop and implement a purchasing/procurement process to coordinate bulk alternative fuel and advanced technology vehicle orders. 'By developing a process for companies and organizations to consolidate their orders, it could help vehicle manufacturers achieve better economies of scale and lower prices per unit,' Clean Cities says. http://www.fleetsandfuels.com/fuels/propane/2014/11/clean-cities-to-help-pool-afv-buys/?utm_source=Fleets-Fuels+November+25%2C+2014&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Utilities launch initiatives to electrify their vehicle fleets, encourage workplace charging

Utility industry bigwigs joined Energy Secretary Ernest Moniz at the White House to announce two initiatives to promote electric transportation technologies. More than 70 investor-owned electric utilities will increase investment by about \$250 million over 5 years to add more electric vehicles to their fleets, starting in 2015. <http://chargedevs.com/newswire/utilities-launch-initiatives-to-electrify-their-vehicle-fleets-encourage-workplace-charging/>

ASE releases hybrid and EV certification

A new job certification category was recently released that should be very good news to educators in programs supporting skilled workers servicing alternative fuel vehicles.

http://www.government-fleet.com/news/story/2014/12/ase-introduces-new-hybrid-ev-certification.aspx?utm_campaign=enews-monday-new-20141127&utm_medium=Enewsletter&utm_source=Email

<https://www.ase.com/News-Events/Press-Releases/ASE-Announces-New-Light-Duty-Hybrid-Electric-Vehic.aspx>

<https://www.ase.com/News-Events/Press-Releases/ASE-Announces-New-Light-Duty-Hybrid-Electric-Vehic.aspx>

ANSI issues Progress Report on EV standards

The American National Standards Institute (ANSI) Electric Vehicles Standards Panel (EVSP) has published a Progress Report on what the standardization community has done to address the recommendations in EVSP's Standardization Roadmap for Electric Vehicles, which was published in May 2013.

<http://chargedevs.com/newswire/ansi-issues-progress-report-on-ev-standards/>

http://publicaa.ansi.org/sites/apdl/evsp/ANSI_EVSP_Progress_Report_Nov_2014.pdf

Los Angeles Utility Deploys Plug-In Electric Bucket Truck

The Los Angeles Department of Water and Power (LADWP) has put into service the first Odyne Systems plug-in system equipped bucket truck in California.

http://www.government-fleet.com/news/story/2014/12/los-angeles-utility-deploys-bucket-truck-with-plug-in-system.aspx?utm_campaign=enews-wednesday-20141217&utm_medium=Enewsletter&utm_source=Email

http://www.government-fleet.com/news/story/2014/12/los-angeles-utility-deploys-bucket-truck-with-plug-in-system.aspx?utm_campaign=enews-wednesday-20141217&utm_medium=Enewsletter&utm_source=Email

GE pilot intelligently schedules charging to reduce demand charges

General Electric, together with Con Edison and researchers at Columbia University, is working on a way to use Supervisory Control and Data Acquisition software to help operators of public EV chargers avoid expensive demand charges from utilities.

<http://chargedevs.com/newswire/ge-pilot-intelligently-schedules-charging-to-reduce-demand-charges/>

DOE/NREL Report - All US States Show Promise for Alternative Fuel Deployment

A new report released by the National Renewable Energy Laboratory, the *Geography of Existing and Potential Alternative Fuel Markets in the United States*, examines the potential to successfully deploy the five most commonly used alternative fuels: electricity (used by plug-in electric vehicles), biodiesel (blends of B20 and higher), E85 ethanol, compressed natural gas (CNG), and propane.

<http://www.eereblogs.energy.gov/cleancities/post/2015/01/08/alt-fuel-deployment.aspx>

http://www.afdc.energy.gov/uploads/publication/geography_alt_fuel_markets.pdf

Zenith Motors EV Shuttle Approved for Calif. Funding

Fleets in California now have access to a voucher for up to \$50,000 toward the purchase of a Zenith Motors shuttle van. http://www.government-fleet.com/news/story/2015/01/zenith-motors-ev-shuttle-approved-for-calif-grant-funding.aspx?utm_campaign=enews-monday-new-20150119&utm_medium=Enewsletter&utm_source=Email

Biodiesel use decreased in 2014

The U.S. biodiesel market fell from nearly 1.8 billion gallons in 2013 to 1.75 billion gallons in 2014. The National Biodiesel Board points to policy uncertainty in Washington.

http://www.schoolbusfleet.com/channel/green-school-bus/news/2015/01/26/biodiesel-use-decreased-in-2014.aspx?ref=Newsline-20150127&utm_campaign=Newsline-Tuesday-NEW-20150127&utm_source=Email&utm_medium=Enewsletter

Navigant Research - Electric Drive Truck & Bus Market Projections

The global medium and heavy duty vehicle (MHDV) market is changing due to environmental concerns that are pushing commercial and government fleet operators to consider investing in fuel efficiency technologies and alternative fuels. Electric power for commercial vehicles has always been a challenge because of the size of the battery packs required to store and deliver enough energy to drive heavy vehicles over practical distances. It is not just the cost; the size and weight can also significantly reduce the payload, which is a major concern for fleet operators. Electric hybrid vehicles are now being used in commercial applications where the improved technology offers major benefits for specific drive cycles that involve city driving in stop-start traffic. Plug-in vehicles are being developed for niche applications that can use onboard electrical energy to replace idling diesel engines or provide temporary power to buildings or tools at remote sites. Low-emissions zones in cities are being introduced that will result in greater demand for vehicles that can be driven in electric-only mode. According to Navigant Research, global sales of electric drive and electric-assisted commercial vehicles are expected to grow from less than 16,000 in 2014 to nearly 160,000 in 2023.

<https://www.navigantresearch.com/research/electric-drive-trucks-and-buses>

BYD unveils electric over-the-road coach bus

While several companies are building electric city transit buses, China-based BYD has unveiled what it calls the world's first electric over-the-road coach bus. The BYD C9 is a two-axle, 40-foot two-axle coach with a seating capacity of 47, top speed of 62.5 mph and range of over 190 miles. <http://chargedevs.com/newswire/byd-unveils-electric-over-the-road-coach-bus/>

Scalable axle module promises cost savings for commercial electric vehicles

A group of eleven German partners, including the Fraunhofer Institute, is developing an integrated axle module for commercial vehicles that promises high performance and reduced production costs. ESKAM, which stands for Electric Scalable Axle Module, includes a motor, gearbox and power electronics in a single compact housing.

<http://chargedevs.com/newswire/scalable-axle-module-for-commercial-vehicles-promises-cost-savings/>

FTA Money Enables Ten Fuel Cell Buses

The Federal Transit Administration has awarded nearly \$8.88 million to SARTA, Ohio's Stark Area Regional Transit Authority, and \$9.8 million to Southern California's SunLine Transit to each deploy five new hydrogen fuel cell buses. The 40-foot "American Fuel Cell Bus" vehicles will have ElDorado National bodies, BAE Systems series electric drivelines, and fuel cell modules from Ballard fed by hydrogen from Type III carbon fiber-on-aluminum fuel cylinders from Luxfer. http://www.fleetsandfuels.com/fuels/hydrogen/2015/02/ten-hydrogen-buses-for-sarta-and-sunline/?utm_source=Fleets-Fuels+February+11%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

FTA Money Backs Proterra Battery Bus Deployments

Six of the ten recent winners of Federal Transit Administration 5312 grants will use their funds to purchase Proterra EV buses and charging stations, the battery bus manufacturer said Monday. 'This grant funding will result in the sale of 28 additional battery-electric buses and seven fast-charge stations,' states a release, 'bringing Proterra's total number of orders to 97 buses from 14 different transit agencies in North America.'

http://www.fleetsandfuels.com/fuels/evs/2015/02/fta-money-backs-proterra-placements/?utm_source=Fleets-Fuels+February+11%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email
<http://chargedevs.com/newswire/30-million-in-federal-grants-to-pay-for-proterra-electric-buses/>

Trucking

Global Sales of Medium and Heavy Duty Vehicles Expected to Exceed 7 Million by 2035

Although medium and heavy duty vehicles (MHDVs) represent less than 5 percent of the total vehicle market today, they use a far greater portion of the total fuel and energy consumed in the road transportation sector because of the low average fuel economy and high annual mileage typical of MHDVs. This is expected to be a particularly critical fact as the total number of MHDVs in use worldwide is projected to nearly double between 2014 and 2035. According to a recent report from Navigant Research, worldwide sales of MHDVs are expected to grow from 4.3 million annually in 2014 to 7.1 million in 2035.

<http://www.navigantresearch.com/research/transportation-forecast-medium-and-heavy-duty-vehicles>

Class 5 Youngest, Fastest Growing Truck Segment

The average age of commercial truck fleets is shifting, and Class 5 trucks now make up the youngest commercial trucks on the road in a segment that's one of the fastest growing, sources told Work Truck magazine. http://www.government-fleet.com/news/story/2014/11/class-5-trucks-youngest-in-medium-duty.aspx?utm_campaign=enews-wednesday-20141119&utm_medium=Enewsletter&utm_source=Email

Class 4 to Grow 3% in 2014

The Class 4 truck market now dominated by low-cab forward (LCF) trucks used primarily for urban delivery and landscaping jobs should grow 3 percent in 2014 and reach about 12,000 new vehicles registered for commercial use, ACT Research told Work Truck magazine. <http://www.worktruckonline.com/news/story/2014/11/class-4-to-grow-3-percent-in-2014.aspx>

Public Fleets / School Buses

How to Streamline the Procurement Process

New tools and technologies have made fleet procurement faster and more streamlined. Fleet and procurement professionals discuss how their organizations have worked to improve fleet purchasing. http://www.government-fleet.com/channel/procurement/article/story/2014/10/streamlining-the-procurement-process.aspx?utm_campaign=topnews-20141114&utm_source=Email&utm_medium=Enewsletter

Anti-Idling Technologies: Do They Work?

Four fleets share their experiences with anti-idling devices on patrol cars and trucks - and their plans for the future. http://www.government-fleet.com/channel/law-enforcement/article/story/2014/11/anti-idling-technologies-do-they-work.aspx?utm_campaign=topnews-20141107&utm_source=Email&utm_medium=Enewsletter

10 Features of Modern Fleet Facilities

From Wi-Fi to smart vehicle lifts and fluid distribution systems, modern fleet facilities have features that improve technicians' work environments. http://www.government-fleet.com/channel/maintenance/article/story/2014/11/10-features-of-modern-fleet-facilities.aspx?utm_campaign=topnews-20141107&utm_source=Email&utm_medium=Enewsletter

Hybrid Service Truck Reduces Fuel Costs

The addition of a hybrid-electric field service truck helps the Sonoma County, Calif., fleet increase the number of field services while minimizing fuel consumption. http://www.government-fleet.com/article/story/2014/11/hybrid-service-truck-reduces-fuel-costs.aspx?utm_campaign=ews-wednesday-20141112&utm_medium=Enewsletter&utm_source=Email

Coca-Cola fleet deploys XL Hybrids' retrofit kits

XL Hybrids, a Boston-based developer of hybrid powertrain technology for commercial and municipal fleets, has announced that its customers have logged a cumulative total of four million on-road miles. The company's XL3 Hybrid Electric Drive for passenger and cargo vans requires less than a \$10,000 investment, and is designed to be installed in about five hours. <http://chargedevs.com/newswire/coca-cola-fleet-deploys-xl-hybrids-retrofit-kits/>

EPA Certifies VIA Motors' Hybrid Van

The U.S. Environmental Protection Agency has granted certification to VIA Motors' eREV gasoline-electric hybrid van, paving the way for shipping of the vehicle to fleets.

http://www.government-fleet.com/news/story/2014/11/epa-certifies-via-motors-hybrid-van.aspx?utm_campaign=enews-monday-new-20141117&utm_medium=Enewsletter&utm_source=Email

<http://chargedevs.com/newswire/via-motors-earns-epa-certification-begins-delivering-vehicles/>

Thomas Built to offer CNG Type C school bus

A compressed natural gas model of the Thomas Saf-T-Liner C2 is slated to go into production in early 2016. It will be powered by a Cummins Westport ISB6.7 G engine.

http://www.schoolbusfleet.com/channel/green-school-bus/news/2014/11/17/thomas-built-to-offer-cng-type-c-school-bus.aspx?ref=Newsline-20141118&utm_campaign=Newsline-Tuesday-NEW-20141118&utm_source=Email&utm_medium=Enewsletter

Argonne Looks at Propane School Buses

The U.S. Department of Energy's Argonne National Laboratory has released a study that examines five school bus fleets that are successfully using propane autogas to fuel buses. 'The case study describes how some of the school districts saved nearly 50% on a cost per mile basis for fuel and maintenance relative to diesel, in addition to seeing a variety of other environmental and social benefits,' states an Argonne summary.

http://www.fleetsandfuels.com/fuels/propane/2014/11/argonne-evaluates-propane-school-buses/?utm_source=Fleets-

[Fuels+November+25%2C+2014&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email](http://www.fleetsandfuels.com/fuels/propane/2014/11/argonne-evaluates-propane-school-buses/?utm_source=Fleets-Fuels+November+25%2C+2014&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email)

Project to test electric school bus profitability

Companies operating under a grant are retrofitting six school buses with electric batteries to double as mobile generators and test the profitability of selling back the electricity to power companies. The companies also hope to assess potential health benefits.

<http://www.autoblog.com/2014/12/11/billion-dollar-potential-ev-school-bus-feature/>

http://www.schoolbusfleet.com/channel/green-school-bus/news/2014/12/18/article-touts-electric-school-bus-profitability.aspx?ref=Newsline-20141218&utm_campaign=Newsline-Friday-NEW-20141218&utm_source=Email&utm_medium=Enewsletter

Ford 2015 Alternative Fuel Buyers Guide

For many businesses, operating a fleet is the single largest contributor to their carbon footprint. When a business decides to reduce its carbon output, the fleet managers need to know how to identify which alternative fuel will make the biggest difference.

<http://www.fleet.ford.com/resources/ford/general/pdf/2015%20Alternative%20Fuel-LoRes.pdf>

76 school bus fleets win EPA rebates

The \$3 million in rebates will be used in replacing more than 200 older diesel school buses.

http://www.schoolbusfleet.com/channel/green-school-bus/news/2015/01/19/76-school-bus-fleets-selected-for-epa-rebates.aspx?ref=Newsline-20150120&utm_campaign=Newsline-Tuesday-NEW-20150120&utm_source=Email&utm_medium=Enewsletter

EPA, NHTSA officials show 'Love' for the school bus

Federal dignitaries join elementary students to celebrate the yellow bus and its vital role in education at the American School Bus Council's main event for Love the Bus.

http://www.schoolbusfleet.com/channel/management-training/news/2015/02/12/nhtsa-epa-officials-show-love-for-the-school-bus.aspx?ref=Newsline-20150212&utm_campaign=Newsline-Friday-NEW-20150212&utm_source=Email&utm_medium=Enewsletter

5 California districts get \$325K for cleaner school buses

The funds will be used to replace 13 older diesel buses with new models. The five California districts are among 76 recipients nationwide to be awarded rebates from the EPA.

http://www.schoolbusfleet.com/channel/green-school-bus/news/2015/02/11/5-california-districts-awarded-325k-for-cleaner-school-buses.aspx?ref=Newsline-20150212&utm_campaign=Newsline-Friday-NEW-20150212&utm_source=Email&utm_medium=Enewsletter

Nonroad

Tier 4 Wheel Loaders Available

John Deere's K-Series four-wheel drive wheel loader lineup's new models - 744K-II, 824K-II, and 844K-II - meet final Tier 4 emissions standards. http://www.government-fleet.com/product/detail/2014/11/k-series-ii-wheel-loaders.aspx?utm_campaign=ews-wednesday-20141112&utm_medium=Enewsletter&utm_source=Email

Tier 4 Crawler Excavators Available

Doosan's DX420LC-5, DX490LC-5 and DX530LC-5 crawler excavators are final Tier 4 compliant and replace the company's interim Tier 4 machines. http://www.government-fleet.com/product/detail/2014/12/dx490lc-5-crawler-excavator.aspx?utm_campaign=ews-wednesday-20141203&utm_medium=Enewsletter&utm_source=Email

Tier 4 Crawler Dozers Available

John Deere's upgraded final Tier 4 crawler dozers - the 750k and 850k - feature EcoMode and an Electro-Hydraulic control system. http://www.government-fleet.com/product/detail/2014/12/750k-and-850k-crawler-dozers.aspx?utm_campaign=ews-wednesday-20141217&utm_medium=Enewsletter&utm_source=Email

Tier 4 Wheel Loaders Available

Doosan has introduced its first Tier 4-compliant wheel loaders - DL300-5, DL350-5, DL420-5 and DL550-5. http://www.government-fleet.com/product/detail/2014/12/tier-4-wheel-loaders.aspx?utm_campaign=ews-wednesday-20141210&utm_medium=Enewsletter&utm_source=Email

Tier 4 Wheel Loaders Available

The Caterpillar 950M and 962M wheel loaders - powered by a Cat C7.1 ACERT engine meeting Tier 4 Final emissions standards - are significantly more powerful than their K-Series predecessors and deliver better fuel efficiency. Also, John Deere's 244K and 324K compact wheel loaders are equipped with a Final Tier 4 diesel engine with a two-speed transmission.

[http://www.government-fleet.com/product/detail/2015/01/950m-and-962m-wheel-loaders.aspx?utm_campaign=enews-wednesday-](http://www.government-fleet.com/product/detail/2015/01/950m-and-962m-wheel-loaders.aspx?utm_campaign=enews-wednesday-20150121&utm_medium=Enewsletter&utm_source=Email)

[20150121&utm_medium=Enewsletter&utm_source=Email](http://www.government-fleet.com/product/detail/2015/01/950m-and-962m-wheel-loaders.aspx?utm_campaign=enews-wednesday-20150121&utm_medium=Enewsletter&utm_source=Email)

[http://www.government-fleet.com/product/detail/2015/01/244k-and-324k-wheel-](http://www.government-fleet.com/product/detail/2015/01/244k-and-324k-wheel-loaders.aspx?utm_campaign=enews-wednesday-20150121&utm_medium=Enewsletter&utm_source=Email)

[loaders.aspx?utm_campaign=enews-wednesday-](http://www.government-fleet.com/product/detail/2015/01/244k-and-324k-wheel-loaders.aspx?utm_campaign=enews-wednesday-20150121&utm_medium=Enewsletter&utm_source=Email)

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Reports/Policy Regulations

HEI Data May Aid Bid To Replace Older Diesel Engines To Cut Cancer Risk

New research by the Health Effects Institute (HEI) says there is no evidence of carcinogenic lung tumors in rats that were exposed to diesel exhaust from engines with emissions control technology, which could boost EPA's efforts to replace older diesel engines with newer models in order to significantly cut potential human cancer risks.

<http://pubs.healtheffects.org/view.php?id=430>

EPA, DOE Release 2015 Fuel Economy Guide

The U.S. Environmental Protection Agency (EPA) and the Department of Energy (DOE) recently released the 2015 Fuel Economy Guide, providing consumers with a valuable resource to help them choose the most fuel-efficient and low greenhouse gas emitting vehicles that meet their needs. <http://www.fueleconomy.gov/>

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As regulatory agencies in the U.S. work on the second phase of heavy-duty vehicle GHG-emission and fuel-efficiency standards, one of the key decisions they face concerns the regulatory certification pathways. The question of whether to maintain separate standards for the engine and the full vehicle is hotly debated, and the agencies must also decide what upgrades to the testing and certification procedures can be made based on lessons learned from Phase 1.

http://theicct.org/us-phase2-hdv-regulation-design-options?utm_source=ICCT+mailing+list&utm_campaign=ef8c05ca30-New_releases_November_2014&utm_medium=email&utm_term=0_ef73e76009-ef8c05ca30-421468241

ICCT Report - Real-world exhaust emissions from modern diesel cars

This study, a meta-analysis of PEMS data from EU (Euro 6) and US (Tier 2 Bin 5/ULEV II) diesel passenger cars, documents the discrepancy that exists between official certification or type-approval emissions of nitrogen oxides (NOx) from new diesel passenger cars and actual NOx emissions from those vehicles during real-world, everyday operation. On average, real-world NOx emissions from the tested vehicles were about seven times higher than the limits set by the Euro 6 standard. If applied to the entire new vehicle fleet, this would correspond to an on-road level of about 560 mg/km of NOx (compared to the regulatory limit under Euro 6 of 80 mg/km). This is compelling evidence of a real-world NOx compliance issue for recent-technology diesel passenger cars, for both the EU and US test vehicles. http://theicct.org/real-world-exhaust-emissions-modern-diesel-cars?utm_source=ICCT+mailing+list&utm_campaign=ef8c05ca30-New_releases_November_2014&utm_medium=email&utm_term=0_ef73e76009-ef8c05ca30-421468241

EPA Acts on Ground-Level Ozone

Citing the requirements of the Clean Air Act to use the best available science, the U.S. EPA is moving to reduce ground-level ozone pollution, which effectively means reducing NOx emissions from powerplants and from engines of all types. Besides lowering the permissible level of ambient ozone, EPA wants to extend the ozone monitoring season for 33 states. <http://www.epa.gov/groundlevelozone/actions.html#nov2014>

Final Area Designations for the 2012 National Air Quality Standard for Fine Particles

After considering state and tribal recommendations, reviewing the most recent certified fine particle air quality data, and emissions that contribute fine particle pollution, EPA has completed initial designations for the 2012 annual fine particle standard.

<http://www.epa.gov/pmdesignations/2012standards/regs.htm>
http://www.epa.gov/pmdesignations/2012standards/final/us_map_final2.png

ICCT Report - The State of Clean Transport Policy

A synopsis of advances in national and international regulations intended to reduce energy use, mitigate climate change, and control air pollution from motor vehicles and fuels across eleven major vehicle markets in 2013 and 2014.

<http://www.theicct.org/state-of-clean-transport-policy-2014>
http://www.theicct.org/sites/default/files/publications/ICCT_StateOfCleanTransportPolicy_2014.pdf

www.westcoastcollaborative.org

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

Sincerely,

West Coast Collaborative Team

About the West Coast Collaborative (WCC)

The WCC, 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 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. Visit us at:

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

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

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California Air Resources Board (CARB) is offering approximately \$48 million for loan guarantees for its on-road heavy duty vehicle loan program. More information can be found here:

www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf.

California offers grants to build a center for alternative fuels

The California Energy Commission (CEC) is making almost \$1.2 million in grant funds available to develop a new center for alternative fuels and advanced vehicle technologies in Central California. Public and private entities with a presence in California can apply for the funds.

<http://chargedevs.com/newswire/california-offers-grants-to-build-a-center-for-alternative-fuels/>
<http://www.energy.ca.gov/contracts/transportation.html#PON-14-606>

Events

West Coast Collaborative Goods Movement Webinar:

Please mark your calendars for a WCC Goods Movement sector webinar on Tuesday, March 3, 2015, 10:00 am to 11:15 am Pacific Time. The tentative agenda for the call is as follows.

- Welcome, roll call
- EPA and National Clean Diesel Campaign updates (Ports Initiative, Regulatory update, DERA news)
- Guest Speaker: Alternative fuels for heavy duty applications in a period of low petroleum prices - CALSTART
- Technology update: TBD
- Closing

We will send conference line and webinar connection information over the coming weeks before the event.

If you have any questions, please contact Francisco Dóñez, Ph.D., Ports and Marine and Locomotive Sector Lead, at (213) 244-1834, or by email at donez.francisco@epa.gov.

South Coast Air Quality Management District: Environmental Justice For All: A Conversation With the Community - Friday, February 27, 2015

Registration/Breakfast - 8:30 a.m. - 9:00 a.m.

Conference Program - 9:00 a.m. - 4:00 p.m.

This day-long forum will highlight ways in which public agencies can better collaborate with local communities and improve coordination in responding to residents' concerns. Participants will engage in direct dialogue with stakeholders from impacted communities, academic researchers, health professionals, and others focused on the need to protect and improve the region's air quality.

California Methane Symposium: A Scientific Assessment of Methane Pollution in Southern California and Strategies to Address Emissions

[CARB Course 520: How To Comply with CARB Diesel Regulations](#) (Multiple dates and locations)

[CARB Course 521: How To Comply with the Truck and Bus Regulation](#) (Multiple dates and locations)

[FHWA's Talking Freight Seminar Series](#): The Federal Highway Administration's (FHWA's) [Office of Freight Management and Operations](#) and the Office of Planning host the "Talking Freight" seminars. The seminars are part of a broader Freight Professional Development Program aimed at providing technical assistance, training, tools, and information to help the freight and planning workforce meet the transportation challenges of tomorrow. Seminars are held on a monthly basis throughout the year and are open at no cost to all interested parties in both the public and private sectors.

News

Ports/Marine

[Landmark 'Green Port Policy' Turns 10: Port of Long Beach reaffirms commitment to environment.](#)

February 10, 2015: The Long Beach Board of Harbor Commissioners on Monday celebrated the 10th anniversary of the Port of Long Beach's historic Green Port Policy by honoring its originators and reaffirming their commitment to environmental sustainability.

[Reuters: Asian supply lines hit by U.S. West Coast ports dispute.](#)

February 16, 2015: A labor dispute at ports on the U.S. West Coast is disrupting supply chains across the Pacific, forcing some Asian exporters to resort to costly air freight and pushing up shipping rates as more freighters are caught up in long lines to dock.

Tote & PSE Announce Tacoma LNG Deal

Totem Ocean Trailer Express and Puget Sound Energy have publicized their agreement for PSE to provide LNG for Tote's two Orca-class container ships to be converted to LNG-diesel dual fuel operation. 'SE's new facility will provide vital new infrastructure making the use of LNG as a transportation fuel a reality in the Pacific Northwest,' said Tote president John Parrott. http://hfpinsight.com/marine/2014/10/tote-and-pse-announce-lng-fuel-deal/?utm_source=HHP+Insight+November+6%2C+2014&utm_campaign=Nov.+6%2C+2014&utm_medium=email

SGMF Issues Marine Gas Fuel Guide

The London-based Society for Gas as a Marine Fuel has released its first official publication, titled Gas as a Marine Fuel - An Introductory Guide. Described as an 'initial high-level document,' the 48-page Guide serves as a primer for organizations interested in liquefied

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[options?utm_source=ICCT+mailing+list&utm_campaign=ef8c05ca30-](http://theicct.org/us-phase2-hdv-regulation-design-options?utm_source=ICCT+mailing+list&utm_campaign=ef8c05ca30-)

[New releases November 2014&utm_medium=email&utm_term=0_ef73e76009-ef8c05ca30-421468241](http://theicct.org/us-phase2-hdv-regulation-design-options?utm_source=ICCT+mailing+list&utm_campaign=ef8c05ca30-New releases November 2014&utm_medium=email&utm_term=0_ef73e76009-ef8c05ca30-421468241)

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