

www.westcoastcollaborative.org



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

Dear WCC Partners:

We hope you have enjoyed your Summer! In this WCC Communicator you will find information about the new DERA School Bus Rebate funding, the upcoming Northeast Diesel Collaborative (NEDC) Partners Meeting in Rhode Island, and other relevant news and information. We hope that you find these items informative. www.westcoastcollaborative.org

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Highlighted Announcements

[DERA 2015 School Bus Rebate Program Now Open](#)

The U.S. Environmental Protection Agency (EPA) announced the availability of approximately \$7 million in funding for rebates to public and private school bus fleet owners for the replacement and retrofit of older school buses. This is the third rebate program offered under the Diesel Emission Reduction Act (DERA) reauthorization to fund cleaner school buses.

To learn more about the rebate program, applicant eligibility and selection process, and informational webinar dates, please visit [here](#).

The Rebate Application and Program Guide are located here. and additional information is also posted [here](#).

Applications will be accepted until Friday, October 30th, 2015, at 4 pm Eastern Time.

New to this year's program is the option of implementing retrofit technologies. Fleet owners can now install diesel oxidation catalysts (DOC) plus closed crankcase ventilation (CCV) systems to reduce emissions by up to 25%. They can also replace older buses with newer ones that meet the latest on-highway emission standards as in previous EPA rebate programs. EPA will pay up to \$3,000 for each DOC plus CCV, and between \$15,000 and \$25,000 per replacement bus, depending on the size. Applicants may request up to ten buses for replacement and up to ten buses for the retrofit option per application. Fleets with more than 101 buses currently in operation may submit two applications.

For more information on this funding opportunity, [please visit our website](#).

[SAVE THE DATE - OCT. 26 - 28, 2015 Northeast Diesel Collaborative 2015 Partners Meeting](#)

Providence Marriott Downtown

1 Orms Street, Providence, Rhode Island, 02904

[Register online](#).

Members of the maritime, railroad, transportation, and construction industries, state and federal government, private businesses and non-profit organizations are invited to take an active part in this important meeting.

Join us as leaders throughout the Northeast and the U.S. come together to participate in a day and half program focused on goal-driven discussions addressing the value of strategic partnerships, cutting-edge technologies, smart policy and innovative funding leading our region toward sustainability and clean air.

[DOWNLOAD the NEDC 2015 Draft Program Agenda \(PDF\)](#)

[DOWNLOAD the Invitation \(PDF\)](#)

Register for this FREE Meeting Today!

[CLICK HERE to register for the NEDC 2015 Partners Meeting](#)

Make Your Hotel Reservations at the Providence Marriott Downtown

[CLICK HERE to secure a rate of \\$131 per night!](#)

Interested in Sponsorship Opportunities?

[CLICK HERE to download the NEDC Sponsorship Invitation. \(PDF\)](#)

We have great offerings for Program Visibility and Vendor Displays.

Other Funding Opportunities

[San Joaquin Valley Air Pollution Control District - Class 5/6 Truck Replacement Program](#)

SJVAPCD is seeking applications for truck replacements by small business owners operating Class 5 or 6 trucks in the San Joaquin Valley and in compliance with CARB's on-road truck regulations. For more information and to apply, please visit

<http://valleyair.org/grants/onroadtrucks.htm>

[DOE Medium & Heavy-Duty Vehicle Powertrain Electrification & Dual Fuel Fleet Demonstration Grants](#)

The US Department of Energy recently announced \$11 million in available funding to support the development and demonstration of innovative fuel-efficient technologies for medium and heavy-duty vehicles. The Funding Opportunity Announcement (FOA) seeks proposals for the research, development, and demonstration of electric drivetrain technologies for these vehicles, as well as demonstrations of the performance and reliability of commercially available dual-fuel heavy-duty vehicles that can operate on a mixture of diesel fuel and gaseous fuels, including natural gas or propane or natural gas-derived fuels, such as dimethyl ether. Concept papers are due on October 8, and full applications are due on November 19.

<http://energy.gov/eere/articles/energy-department-announces-11-million-accelerate-alternative-fuel-use-medium-and>

<https://eere-exchange.energy.gov/Default.aspx?FoaId3c3ef476-ab3f-499e-ab13-d218b9c0043f>

[DOE SBIR/STTR FY15 Award: Fuel Cell-Battery Electric Hybrid Truck Demonstration](#)

The U.S. Department of Energy has announced the 2015 Small Business Innovation Research and Small Business Technology Transfer (SBIR/STTR) Phase I Release 2 Awards, including a grant to US Hybrid for \$148,394 to demonstrate fuel cell-battery electric hybrid trucks. US Hybrid Corporation of Torrance, California, will develop and demonstrate polymer electrolyte membrane (PEM) fuel cell-battery electric hybrid trucks for medium-duty or heavy-duty bucket trucks with drivetrain-integrated electric power take-off systems. US Hybrid will help establish a business case, mitigate the cost of hydrogen fuel infrastructure, supplement utility industry evaluations of introducing hydrogen generation on their grids, and demonstrate fuel cell-battery electric hybrid truck technologies.

<http://www.energy.gov/eere/fuelcells/articles/sbirstr-fy15-phase-1-release-2-awards-announced-includes-fuel-cell-battery>

<http://www.greencarcongress.com/2015/05/20150528-doe.html>

[DOE Awards Grants to Advance Fuel Efficient Vehicle Technologies](#)

As part of the Obama Administration's strategy to increase energy productivity, reduce America's reliance on foreign oil and cut harmful emissions the US Department of Energy recently announced an investment of nearly \$55 million for 24 projects to develop and deploy cutting-edge vehicle technologies that will strengthen the U.S. clean energy economy. Eight projects are aimed at developing and demonstrating high-efficiency medium and heavy-duty vehicles including dual-fuel or dedicated natural gas engine technologies and advanced computational fluid dynamics models. Building on the SuperTruck activity, other projects aim at developing enabling technologies to improve the efficiency of heavy-duty diesel engines.

<http://energy.gov/articles/energy-department-awards-nearly-55-million-advance-fuel-efficient-vehicle-technologies>

http://energy.gov/sites/prod/files/2015/09/f26/FY15%20VTO%20Program-wide%20Selection%20Table_0_0.pdf

DOE ARPA-E Announces Projects to Reduce Transportation Energy Use

The Energy Department's Advanced Research Projects Agency-Energy (ARPA-E) recently announced \$14.5 million in funding for five projects as part of ARPA-E's newest program: the Traveler Response Architecture using Novel Signaling for Network Efficiency in Transportation (TRANSNET). TRANSNET project teams will design new software systems that provide travelers information about energy-efficient transportation options to reach their destinations. If widely adopted, TRANSNET projects could facilitate significant reductions in energy use within existing infrastructure and transportation technologies.

<http://arpa-e.energy.gov/?q=news-item/arpa-e-announces-five-new-projects-reduce-energy-use-transportation>

http://arpa-e.energy.gov/sites/default/files/documents/files/TRANSNET%20Project%20Descriptions_Final%20Approved.pdf

DOE Awards up to \$4 Million to Develop Advanced Biofuels and Bioproducts

The Energy Department recently announced two additional projects selected to receive up to \$4 million to develop next-generation biofuels that will help reduce the cost of producing gasoline, diesel, and jet fuels from biomass. These projects-in addition to five projects previously selected in October 2014 under the same funding opportunity-total a \$17.3 million investment by the Department to develop technologies that will enable the production of clean, renewable, and cost-competitive drop-in biofuels at \$3 per gallon of gasoline equivalent by 2022. Advancing and commercializing cost-competitive biofuels will help the Department work toward its goal of reducing current petroleum consumption in the United States and, in turn, enhance U.S. national security and reduce carbon emissions. <http://energy.gov/eere/articles/energy-department-awards-4-million-develop-advanced-biofuels-and-bioproducts>

DOE Announces \$10 Million to Advance Efficient, Environmentally-Friendly Highway Transportation Technologies

The Energy Department recently announced \$10 million for eight incubator projects to develop innovative solutions for efficient and environmentally-friendly vehicle technologies that will help reduce petroleum use in the United States. The funding will go toward projects that pursue breakthrough approaches to providing Americans with greater freedom of mobility and energy security, while lowering costs and reducing environmental impacts. <http://energy.gov/eere/articles/energy-department-announces-10-million-advance-efficient-environmentally-friendly>

<http://energy.gov/sites/prod/files/2015/08/f26/FY-2015-VTO-Selections-incubator-Table.pdf>

CARB Approves \$373M in Clean Vehicle Grants

The California Air Resources Board has approved \$373-million in grants to bolster alternative-fuel vehicles, including fleet-eligible rebates for low and zero-emission passenger vehicles.

http://www.arb.ca.gov/msprog/aqip/fundplan/fy1516_fundingplan_meeting_notice_june2015.pdf

http://www.arb.ca.gov/msprog/aqip/fundplan/proposed_fy15-16_funding_plan.pdf

CEC Awards \$10 Million for M/HD eDrive Work

Hydrogenics and Siemens are among the big winners as the California Energy Commission has approved more than \$10 million in grants for four electric-drive vehicle projects including a zero emission fuel-cell truck to transport shipping containers, and battery-electric school buses.

http://www.fleetsandfuels.com/fuels/hydrogen/2015/07/cec-funds-battery-fuel-cell-projects/?utm_source=Fleets-Fuels+July+15%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

<https://chargedevs.com/newswire/california-energy-commission-grants-10-million-for-electric-buses-and-trucks/>

http://www.energy.ca.gov/contracts/PON-14-605_Revised_NOPA.pdf

CEC Natural Gas Vehicle Incentive Project

Information on the California Energy Commission funded Natural Gas Vehicle Incentive Project (NGVIP) has been released. The University of California, Irvine will administer the NGVIP and has established a website with more information at:

<https://ngvip.its.uci.edu/>

UCLA Report - Guide to California Climate Investments

A new report from the UCLA Luskin Center provides a guide to navigating GGRF funded programs, focusing on those most targeted to benefit disadvantaged communities. This includes six programs in five investment categories: transit-oriented affordable housing; financial incentives for clean cars, trucks and buses; transit capital and operations; energy efficiency and solar

panels for low-income housing units; and community forestry projects. <http://innovation.luskin.ucla.edu/content/guide-greenhouse-gas-reduction-fund-program-designs-expenditures-and-benefits-disadvantaged->

Other Events

San Pedro Bay Ports to Update Clean Air Action Plan

Joint Community Workshop to be Held Oct. 14

Environmental teams from the [Port of Los Angeles](#) and [Port of Long Beach](#) will hold a joint community workshop on Oct. 14 to gather input on the next update of the Clean Air Action Plan (CAAP). Initially adopted in 2006 and updated in 2010, this historic environmental plan called for aggressive strategies that have proved highly effective in reducing air pollution from port-related sources.

The Clean Air Action Plan Update Community Workshop will be held 3-5 p.m., Oct. 14, 2015, at Banning's Landing Community Center, 100 E. Water St., Wilmington, 90744. The workshop is open to the public.

News, Reports, Research, Policy

Ports/Marine

Natural Gas as a Marine Fuel Research Report

by Heather Thomson, James J. Corbett, James J. Winebrake

This paper provides new knowledge about the life-cycle emissions of natural gas compared to traditional petroleum-based fuels in the marine sector.

<http://www.sciencedirect.com/science/article/pii/S0301421515300665>

Terex Automated Battery Vehicles for Port

Long Beach Container Terminal president Anthony Otto has won the Coalition for Clean Air's California Air Quality Award for LBCT's drive toward zero emissions, including its use of new, fully battery electric vehicles for handling containers.

http://www.fleetsandfuels.com/fuels/evs/2015/07/terex-agvs-in-action-at-long-beach-port/?utm_source=Fleets-Fuels+July+22%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Ports of Los Angeles and Long Beach to test Class 8 hybrid fuel cell trucks

The California Energy Commission (CEC) has approved a grant of \$2.4 million to the South Coast Air Quality Management District to build and test seven hybrid fuel cell Class 8 trucks to transport cargo at the Ports of Los Angeles and Long Beach.

<https://chargedevs.com/newswire/ports-of-los-angeles-and-long-beach-to-test-seven-hybrid-fuel-cell-class-8-trucks/>

Efficient Drivetrains builds fleet of plug-in trucks for Port of Shanghai

Efficient Drivetrains, Inc. (EDI) has partnered with Shaanxi Automotive to build a fleet of plug-in hybrid trucks to the Port of Shanghai. Shaanxi said it expects to provide up to 200 of the PHEVs in 2016. The two companies are already working together on plug-in natural gas hybrid city buses. <https://chargedevs.com/newswire/efficient-drivetrains-builds-fleet-of-plug-in-trucks-for-port-of-shanghai/>

Rail

Hydrogenics Fuel Cell for Alstom Trains

Canada's Hydrogenics Corp reports a ten-year agreement with Paris-based Alstom Transport to supply fuel cell systems as the companies develop and commercialize hydrogen-powered regional commuter trains. http://hhpinsight.com/rail/2015/05/hydrogenics-fuel-cells-for-eurotrains/?utm_source=HHP+Insight+June+4%2C+2015&utm_campaign=June+4%2C+2015&utm_medium=email

Trucking

EDF Urges Natural Gas Truck Caution

Natural gas trucks can provide an immediate greenhouse gas emissions and hence climate benefit - if care is taken to curb methane emissions both from the trucks themselves and more importantly from the supply chain, says a new report from the Environmental Defense Fund. Vehicle efficiency is important too.

<http://www.edf.org/media/study-will-switch-diesel-trucks-natural-gas-reduce-greenhouse-impact>

http://www.fleetsandfuels.com/fuels/cng/2015/05/report-calls-for-ngv-truck-caution/?utm_source=Fleets-Fuels+May+20%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Air Resources Board and partners celebrate significant milestone with clean-air trucks

<http://www.arb.ca.gov/newsrel/newsrelease.php?id=753>

Port Terminals to Require Reservations for Cargo Pickups

<http://www.labusinessjournal.com/news/2015/aug/27/port-terminals-require-reservations-cargo-pickups/>

Oakland Port Proposes Cargo Fees to Fight Congestion

<http://www.wsj.com/articles/oakland-port-proposes-trucking-fees-to-fight-congestion-1440103747>

UPS Orders 125 Workhorse E-Gens

<http://www.fleetsandfuels.com/fuels/evs/2015/09/ups-order-125-workhorse-battery-trucks>

Higher Fuel Economy Working for Fleets - A Payback Analysis for Higher Fuel Economy Standards in Trucks and Buses

http://www.calstart.org/Libraries/Publications/Full_Report_Higher_Fuel_Economy_-_Working_for_Fleets_08_18_2015_FINAL.sflb.ashx

Draft Technology Assessment: Transport Refrigerators

http://www.arb.ca.gov/msprog/tech/techreport/tru_07292015.pdf

Idling Factsheet: Long-Haul Truck Idling Burns Up Profits

http://www.afdc.energy.gov/uploads/publication/hdv_idling_2015.pdf

Freightliner unveils autonomous truck

The Freightliner Inspiration Truck is designed to maintain legal speed, stay in the selected lane, keep a safe braking distance from other vehicles, and slow or stop based on traffic and road conditions. http://www.schoolbusfleet.com/channel/school-bus-safety/news/2015/05/07/freightliner-unveils-autonomous-truck.aspx?ref=Newsline-20150507&utm_campaign=Newsline-Friday-NEW-20150507&utm_source=Email&utm_medium=Enewsletter

TransPower Sees Business Case for Class 8 Electric Trucks

With 12 million on-road miles on its all-electric delivery truck fleet, Smith Electric Vehicles is transitioning from demonstration phase to scale, with the announcement the week of ACT Expo 2015 of a \$35 million joint venture with Hong Kong-based battery and vehicle producer FDG Electric Vehicles Limited. http://www.fleetsandfuels.com/fuels/evs/2015/05/transpower-electrucks-closer-to-market/?utm_source=Fleets-Fuels+May+20%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Smith EVs Is Back with FDG Backing

With 12 million on-road miles on its all-electric delivery truck fleet, Smith Electric Vehicles is transitioning from demonstration phase to scale, with the announcement at ACT Expo 2015 of a \$35 million joint venture with Hong Kong-based battery and vehicle producer FDG Electric Vehicles Limited.

<http://chargedevs.com/newswire/smith-partners-with-fdg-to-produce-medium-duty-electric-trucks/>

http://www.fleetsandfuels.com/fuels/evs/2015/05/smith-evs-is-back-with-chinese-backing/?utm_source=Fleets-Fuels+May+13%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Public Fleets and School Buses

Redeem Biomethane for Big Blue Bus

The City of Santa Monica in Southern California is trumpeting its shift not only to near 100% natural gas operation but its commitment to biomethane for all of the natural gas buses on its Big Blue Bus line. The supplier is Clean Energy Renewables, which furnishes its Redeem brand landfill-derived liquefied natural gas. http://www.fleetsandfuels.com/fuels/cng/2015/07/clean-energys-redeem-for-big-blue-bus-line/?utm_source=Fleets-Fuels+July+22%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

New natural gas engine unveiled for school bus market

Cummins Westport's ISB6.7 G is a 6.7-liter mid-range natural gas engine that is based on the Cummins ISB6.7 diesel engine platform. http://www.schoolbusfleet.com/channel/green-school-bus/news/2015/07/28/new-natural-gas-engine-unveiled-for-school-bus-market.aspx?ref=Newsline-20150728&utm_campaign=Newsline-Tuesday-NEW-20150728&utm_source=Email&utm_medium=Enewsletter

Nonroad/Construction Equipment/Agriculture Equipment

Navigant Research - Energy-Efficient Port Operations

Navigant Research projects that the use of shore power will ultimately become the most impactful tool in making ports more energy efficient, largely due to the enormous associated environmental improvements when using this technology and the existing shore power regulatory requirements in California and the European Union. Shore power equipment suppliers are expected to see an increase in market opportunities over the forecast period, particularly in these favorable regulatory environments and the emerging markets in Asia Pacific. According to Navigant Research, the global market for shore power utility electricity revenue in port operations is expected to grow from \$32.0 million in 2015 to \$334.7 million in 2024. <https://www.navigantresearch.com/research/energy-efficient-port-operations>

CARB Commercial Harbor Craft Technology Assessment

This draft technology assessment was developed and written by South Coast Air Quality Management District (SCAQMD) in conjunction with CARB. This assessment examines technologies projected for development over the next five to ten years that can be applied to commercial harbor craft to reduce fuel consumption, greenhouse gases (GHG) and criteria pollutant emissions (e.g. nitrogen oxides and particulate matter). Such technologies support CARB's long term objective of transforming the on- and off-road mobile source fleet into one utilizing zero and near-zero emission technologies to meet air quality and climate change goals. http://www.arb.ca.gov/msprog/tech/techreport/draft_chc_technology_assessment.pdf

TMR Report: Marine hybrid propulsion market projections

A new market study from Transparency Market Research (TMR) projects that global revenue from the marine hybrid propulsion market will grow from \$2.24 billion in 2013 to \$4.46 billion in 2022.

<https://chargedevs.com/newswire/new-report-marine-hybrid-propulsion-market-to-reach-4-46-billion-by-2022/>

<http://www.transparencymarketresearch.com/marine-hybrid-propulsion-market.html>

Hybrid Excavators

The Cat 336F L XE Hybrid brings a 20% fuel reduction compared to its non-hybrid version. The 336F L XE Hybrid can run on biodiesel blends up to B-20. http://www.government-fleet.com/product/detail/2015/08/cat-336f-lxe-hybrid.aspx?utm_campaign=ews-wednesday-20150826&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Wheel Loaders

The Doosan DL250-5 and DL250TC-5 (tool carrier) wheel loaders offer improvements in fuel efficiency, operator comfort, serviceability, reliability, and remote monitoring. These models will replace the interim Tier 4 models. http://www.government-fleet.com/product/detail/2015/05/dl250-5-and-dl250tc-5-wheel-loaders.aspx?utm_campaign=ews-wednesday-

[20150506&utm_medium=Enewsletter&utm_source=Email](http://www.government-fleet.com/newsletter/20150506&utm_medium=Enewsletter&utm_source=Email)

Tier 4 Final Compact Wheel Loaders

Terex compact wheel loaders, ranging from 50 hp to 101 hp, are equipped with Tier 4 final Deutz engines. Four models make up the Terex Tier 4 final compact wheel loader family: TL65, TL80, TL100, and TL120. http://www.government-fleet.com/product/detail/2015/05/tier-4-final-compact-wheel-loaders.aspx?utm_campaign=enews-wednesday-20150506&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Track Loader

The final Tier 4 Cat 963K track loader can work in soft, wet underfoot conditions and delivers fuel efficiency and improved performance. http://www.government-fleet.com/product/detail/2015/05/963k-track-loader.aspx?utm_campaign=enews-wednesday-20150520&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Tractor Loader

New Holland Construction's U80C tractor loader features a Tier 4 final emissions-compliant engine delivering 74 gross hp. http://www.government-fleet.com/product/detail/2015/06/c-series-tractor-loader.aspx?utm_campaign=enews-wednesday-20150610&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Excavators

The John Deere 210G LC excavator is a construction-class model equipped with a 159 hp certified Final Tier 4 engine. Diesel particulate filter (DPF) cleaning occurs automatically, and the DPF can go up to 15,000 hours before ash removal. http://www.government-fleet.com/product/detail/2015/07/210g-lc-excavator.aspx?utm_campaign=enews-wednesday-20150708&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Wheel Loaders

Hyundai Construction Equipment Americas' HL900 series line of Tier 4 final-compliant wheel loaders deliver as much as 5% greater productivity and 10% lower fuel consumption than the previous 9A series loaders. http://www.government-fleet.com/product/detail/2015/07/hl900-series-wheel-loaders.aspx?utm_campaign=enews-wednesday-20150715&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Wheel Loaders

Case Construction Equipment's 621F and 721F wheel loaders now meet Tier 4 final emissions standards. The 621F and 721F wheel loaders produce 162 and 179 net rated hp, respectively. http://www.government-fleet.com/product/detail/2015/08/621f-721f-wheel-loaders.aspx?utm_campaign=enews-wednesday-20150805&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Compact Loaders

The Terex R265T compact loader is the brand's newest addition to its Generation 2 loader line-up. The loader runs on a 74 hp turbocharged Tier 4 final diesel engine and has a rated operating capacity of 2,650 lb, according to Terex. http://www.government-fleet.com/product/detail/2015/09/r265t-compact-loader.aspx?utm_campaign=enews-wednesday-20150902&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Material Handlers

The 68,832-lb. material handler comes equipped with a 173-hp Tier 4 final emissions compliant Cat C7.1 ACERT engine. http://www.government-fleet.com/product/detail/2015/08/cat-mh3027.aspx?utm_campaign=enews-wednesday-20150902&utm_medium=Enewsletter&utm_source=Email

Tier 4 Final Pavers

The Cedarapids CR652RX from Bomag is powered by a 260 hp Cummins Tier 4 final diesel engine. http://www.government-fleet.com/product/detail/2015/09/cedarapids-cr652rx-remix-paver.aspx?utm_campaign=enews-wednesday-20150916&utm_medium=Enewsletter&utm_source=Email

Alternative Fuels, Fuel Cell/Electric

Natural Gas

Navigant Research - Natural Gas Infrastructure Forecast

According to Navigant Research, the total number of global NGV refueling stations is expected to grow from 23,001 in 2015 to 38,890 in 2025. <https://www.navigantresearch.com/research/natural-gas-vehicle-refueling-infrastructure>

Pickens Predicts Natural Gas Will Retain Price Advantage

Despite current low prices for oil, natural gas will continue to provide a cost advantage for major energy consumers like heavy-duty truck fleets, according to T. Boone Pickens, chairman and CEO of BP Capital and a major proponent of and investor in domestic natural gas since 1988. http://www.usgasvehicles.com/news_detail.php?id=2731&medium=EmailMarketing&Source=DualMail&Campaign=News%20USGas%2011-05-2015

EPA Approves Omnitek's Natural Gas Cat C15 Replacement Engine

Omnitek Engineering Corp. has earned U.S. Environmental Protection Agency approval to produce dedicated natural gas engines for the Caterpillar C15 diesels as a replacement option for heavy equipment and Class 8 trucks in model years 1993 to 2006. http://www.government-fleet.com/news/story/2015/05/epa-approves-omnitek-s-natural-gas-cat-c15-engine.aspx?utm_campaign=enews-monday-new-20150504&utm_medium=Enewsletter&utm_source=Email

UPS To Use Renewable Natural Gas

United Parcel Service Inc. agreed to use renewable natural gas from Clean Energy Fuels for some of its delivery fleet, as part of its plan to drive one billion miles using alternative fuel by the end of 2017. RNG, or biomethane, can be created from sources such as decomposing organic waste in landfills.

<http://www.wsj.com/articles/ups-to-use-renewable-natural-gas-for-part-of-delivery-fleet-1430832327>

http://www.fleetsandfuels.com/fuels/cng/2015/05/clean-energy-fuels-redeem-rng-for-ups/?utm_source=Fleets-Fuels+May+6%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Cummins Westport Unveils the ISB5.7 G

Cummins Westport unveiled its latest engine, the all-natural gas, 6.7-liter, spark-ignition ISB6.7 G, at the ACT Expo. Production is to commence in mid-2016 at EMEP, the Cummins Rocky Mount Engine Plant in Whitakers, N.C. 'It completes our product family,' said Cummins Westport president Rob Neitzke. http://www.fleetsandfuels.com/fuels/ngvs/2015/05/cummins-westport-debuts-the-isb6-7-g/?utm_source=Fleets-Fuels+May+6%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Placer County Demonstrates RNG Tech

A number of project partners demonstrated a new technology for converting forest waste into renewable natural gas (RNG) in Placer County, Calif. http://www.government-fleet.com/news/story/2015/09/calif-county-demonstrates-rng-tech.aspx?utm_campaign=enews-monday-new-20150921&utm_medium=Enewsletter&utm_source=Email

Renewable Diesel

Summary of CEC Funded Alternative and Renewable Fuel and Vehicle Technology Program Projects

An overview of CEC funded and NOPA projects through April 15, 2015.

<http://steps.ucdavis.edu/files/09-11-2015-Compendium-Narrative-updated-4.15.15.p>

Propel for California Renewable Diesel

Propel Fuels is now pumping Neste NEXBTL-based, Diesel HPR brand renewable diesel at 13 of its sales outlets in Southern California - and is offering the sulfur-free fuel in bulk to business and government fleets statewide. http://www.fleetsandfuels.com/biofuels-2/2015/08/propel-offers-neste-nexbtl-for-california/?utm_source=Fleets-Fuels+August+26%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

San Francisco Switching to Renewable Diesel

The City of San Francisco will phase out the use of petroleum diesel in its municipal fleet and replace it with renewable diesel by the end of this year, Mayor Ed Lee announced at a conference in Vatican City on climate change. http://www.government-fleet.com/news/story/2015/07/san-francisco-announces-switch-to-renewable-diesel.aspx?utm_campaign=enews-monday-new-20150727&utm_medium=Enewsletter&utm_source=Email

http://www.fleetsandfuels.com/biofuels-2/2015/07/san-francisco-commits-to-renewable-diesel/?utm_source=Fleets-Fuels+July+22%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

California City Switching to Renewable Diesel

The City of Walnut Creek, Calif., announced it will begin using renewable diesel to fuel its diesel-powered fleet. This move will reduce the city's diesel GHG emissions by more than 60%. http://www.government-fleet.com/news/story/2015/09/calif-city-switching-to-renewable-diesel.aspx?utm_campaign=enews-monday-new-20150914&utm_medium=Enewsletter&utm_source=Email

UPS Commits to Renewable Diesel

UPS has publicized agreements with Neste, Renewable Energy Group and Solazyme for as much as 46 million gallons of renewable fuels over the next three years, 'constituting a 15-fold increase over prior contracts and making UPS one of the largest users of renewable diesel in the world.' http://www.fleetsandfuels.com/companies/2015/08/renewable-diesel-for-ups/?utm_source=Fleets-Fuels+August+5%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

Electric Drive

New Flyer Touts Test Results of Battery-Electric Xcelsior XE40 Bus

http://www.ngtnews.com/e107_plugins/content/content.php?content.11080#.VfxS_99VhBd

Los Angeles gets greener with promise to lease more electric vehicles

<http://www.latimes.com/local/lanow/la-me-ln-la-electric-vehicles-20150911-story.html>

Navigant Research - Electric Truck & Bus Sales Projections

Although medium and heavy duty vehicles represent just a fraction of all vehicles on roadways today, they contribute significantly to road transportation sector fuel consumption and carbon emissions. However, electric drive vehicles-with improved fuel efficiency, technological advances, and an alternative to gasoline and diesel fuels-are beginning to make inroads in this segment as commercial and government fleet operators consider investing in greener vehicles. According to a recent report from Navigant Research, sales of electric trucks and buses are expected to total more than 805,000 from 2014 to 2023. <https://www.navigantresearch.com/research/electric-drive-trucks-and-buses>

Wrightspeed Adds 'Fulcrum' Turbine'

Powerful like a jet, and clean like a windmill,' says California's Wrightspeed, describing the new, fuel-versatile Fulcrum turbine engine it's making an intrinsic part of its Route brand plug-in hybrid electric driveline for trucks. 'Wrightspeed now owns 100% of the intellectual property of its powertrain products,' the company said. http://www.fleetsandfuels.com/fuels/hybrids/2015/05/wrightspeed-adds-fulcrum-turbine/?utm_source=Fleets-Fuels+May+6%2C+2015&utm_campaign=fleetsfuelsnewsbrief&utm_medium=email

<http://chargedevs.com/newswire/wrightspeed-introduces-new-fulcrum-turbine-generator-for-range-extended-ev-architecture/>

The Promotion Of Electric Vehicles In The United States: A Landscape Assessment

This special report documents research on efforts underway to accelerate growth of the plug-in electric vehicle market in the US. Included are 11 key findings followed by recommendations from Plug In America to stimulate PEV market growth.

<http://images.pluginamerica.org/Landscape/The-Promotion-of-Electric-Vehicles-in-the-US-final.pdf>

EDI delivers extended-range EV drivetrains for some of the biggest vehicles on the road

Powerful plug-ins: Q&A with Efficient Drivetrains Inc. CEO Joerg Ferchau. In November 2014, US officials and electric utility executives stood in front of the White House to announce a new EV commitment from power companies. More than 70 investor-owned electric utilities have pledged to spend an estimated \$50 million per year - \$250 million over five years - to add more electric vehicles to

their fleets. <http://chargedevs.com/features/edi-delivers-extended-range-ev-drivetrains-for-some-of-the-biggest-vehicles-on-the-road/>

Phoenix Cars delivers V2G-enabled electric truck to US Navy

Phoenix Cars, a developer of EV technologies for the fleet market, has delivered a full-size electric flatbed truck to the US Navy. The Zero Emissions Utility Shuttle (ZEUS) will be used for facilities maintenance at the Port Hueneme, California naval base.

<http://chargedevs.com/newswire/phoenix-cars-delivers-v2g-enabled-electric-truck-to-us-navy/>

EPA, California Notify Volkswagen of Clean Air Act Violations

EPA issued a notice of violation (NOV) of the Clean Air Act (CAA) to Volkswagen AG, Audi AG, and Volkswagen Group of America, Inc. (collectively referred to as Volkswagen). The NOV alleges that four-cylinder Volkswagen and Audi diesel cars from model years 2009-2015 include software that circumvents EPA emissions standards for certain air pollutants. California is separately issuing an In-Use Compliance letter to Volkswagen, and EPA and the California Air Resources Board (CARB) have both initiated investigations based on Volkswagen's alleged actions. The effectiveness of these vehicles' pollution emissions control devices is greatly reduced during all normal driving situations. This results in cars that meet emissions standards in the laboratory or testing station, but during normal operation, emit nitrogen oxides, or NOx, at up to 40 times the standard.

<http://yosemite.epa.gov/opa/admpress.nsf/bd4379a92ceceac8525735900400c27/dfc8e33b5ab162b985257ec40057813b!OpenDocument>

EPA's Report on the Environment

On July 20, EPA released an online update of the Report on the Environment that includes 85 individual indicators on air, water, land, human exposure, health and ecological condition. The report provides trends for outdoor and indoor air quality and greenhouse gases in [the air quality section](#).

[Read the Report on the Environment.](#)

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