



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

West Coast Collaborative Communicator

SUMMER 2011

The **West Coast Collaborative**, staffed by the U.S. Environmental Protection Agency's (EPA) Pacific Southwest Region 9 and Pacific Northwest 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. Partners come from all over Western North America, including California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada, Mexico, and the Pacific Islands of Guam, CNMI, and 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. [Upcoming Events](#)
2. [Upcoming Funding Opportunities](#)
3. [Rules & Regulation Updates](#)
4. [News & Information](#)
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6. [Links & Resources](#)

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



West Coast Collaborative Sector Calls

[Trucking Sector:](#)

Thursday, July 7th 11:00am - 12:00 PST; 2:00 – 3:00pm EST

[Locomotive & Rail Sector:](#)

Tuesday, July 26th 11:00am - 12:30 PST, 2:00 - 3:30pm EST

[Construction Sector:](#)

Coming soon

[Agriculture & Biofuels Sector:](#)

Coming soon

[Marine Vessels & Ports:](#)

Coming soon

[Public Fleets:](#)

Coming soon



Upcoming Transportation & Goods Movement Events

U.S. Department of Energy (DOE) Clean Cities Stakeholder Summit

June 27-30, 2011 in Indianapolis, IN

This Summit will provide a forum for collaboration between DOE, Clean Cities coordinators, and stakeholders to discuss the short and long term opportunities, challenges, and strategies for greater adoption of alternative fuels, advanced vehicle technologies, and other petroleum reduction practices in the transportation sector.

Fleet Forward Program Telematics Workshop

June 30, 2011 in Portland, OR

Learn more about GPS-based monitoring of vehicles to save fuel, lower emissions and reduce liability.

Transportation Research Board Summer Meeting

July 10-13, 2011, in Boston, MA

Transportation professionals specializing in planning, finance, policy, economics, freight, data systems, transportation security, ferry transportation, and ports and waterways will share information in open committee meetings, joint collaborative discussions, and general sessions.

Clean Fuels Outlet Regulation Workshop

July 13, 2011 in Sacramento, CA

This California Air Resources Board (CARB) workshop will discuss amendments to the Clean Fuels Outlet Regulation (California Code of Regulations Title 13, Chapter 8).

Railroad Day on Capitol Hill

July 14, 2011 in Washington, DC

Railroad Day features sector stakeholder meetings with Congressional Members and staff.

Diesel Vehicle Regulation Overview Training Course 512

July 19th, 2011 in Los Angeles, CA

CARB will be conducting a Course 512, Diesel Vehicle Regulation Overview Training Course at Los Angeles Trade Technical College. There is no cost for the training. Pre-enrollment is encouraged.

Rethinking Energy and Climate Strategies for Transportation

August 29-September 1, 2011 in Pacific Grove, CA

People from around the world will gather at the Asilomar 2011 conference to tackle what many agree is the greatest environmental challenge the world faces: climate change. This is the Thirteenth Biennial Conference on Transportation and Energy organized under the auspices of the Energy and Alternative Fuels Committees of the U.S. Transportation Research Board.

Compelling Case For Natural Gas Vehicles Workshop

September 11, 2011 in Oakland, CA

The Clean Vehicle Education Foundation, Clean Cities Coalitions, and other clean-air/clean-transportation/alternative fuel advocates serve as co-hosts for this workshop, designed to provide a solid foundation for public and private fleet operators to evaluate Natural Gas Vehicles (NGVs) and related fueling infrastructure options.

[American Association of Port Authorities 2011 Annual Convention and Expo](#)

September 11-15, 2011 in Seattle, WA
The Annual Convention and Expo, held every fall in a port city, includes technical and policy committee meetings, and business sessions.

[2011 Global GreenShip Marine Log Conference and Expo: Charting a Clear Path to Compliance and Beyond](#)

September 15-16, 2011 in Baltimore, MD
Now in its seventh year, this executive conference and expo explores how the marine industry is complying with the latest environmental regulations, both on board and ashore.

[American Public Transportation Association \(APTA\) Annual Meeting](#)

October 2-5, 2011 in New Orleans, LA
The 2011 APTA Annual Meeting & EXPO includes general sessions and forums focused on current issues facing public transportation. This year's annual meeting will be held in conjunction with the EXPO 2011 public transportation trade show.

[4th Annual Green Fleet Conference](#)

October 3-4, 2011 in Grapevine, TX
The 2011 Green Fleet Conference offers two full days of keynote presentations, workshops, seminars, and panel discussions for fleet professionals that integrate an environmentally-friendly component into their operations.

[17th Directions in Engine-Efficiency and Emissions Research \(DEER\) Conference](#)

October 3-6, 2011 in Detroit, MI
At DEER 2011, DOE will showcase its cooperatively funded R&D with its partners, national laboratories, the Nation's automotive transportation industry, universities, and other national and international organizations.

[CALSTART Hybrid and Electric Truck Users Forum \(HTUF\) National Conference](#)

October 10-13, 2011 in Baltimore, MD
HTUF is a national, multi-year, user-driven program to speed the commercialization of

medium- and heavy-duty hybrid and high-efficiency technologies. The HTUF 2011 focus is on educating, training, supporting, and guiding the next generation of end-users.

[National Urban Freight Conference](#)

October 12-14, 2011 in Long Beach, CA
The purpose of the 4th National Urban Freight Conference 2011 is to continue to examine the impacts of goods movement and international trade in metropolitan areas.

[2011 American Association of State Highway and Transportation Officials \(AASHTO\) Annual Meeting](#)

October 13-17, 2011 in Detroit, MI
AASHTO is a nonprofit association representing highway and transportation departments in the 50 states, the DC, and Puerto Rico. Its primary goal is to foster the development, operation, and maintenance of an integrated national transportation system.

[18th World Congress on Intelligent Transportation Systems \(ITS\)](#)

October 16-20, 2011 in Orlando, FL
ITS America's Annual Meeting will provide a series of events for the Society's members that focus on the nation's transportation future, as well as identifying effective tools and strategies that can be deployed in communities across the nation.

[American Association of Port Authorities \(AAPA\) Marine Terminal Management Training](#)

October 17-20, 2011 in Long Beach, CA
This week-long intensive training course is designed to give port professionals hands-on experience and the tools necessary to excel in the industry.

[Diesel Emissions Conference & Diesel Exhaust Fluid Forum USA 2011](#)

October 17-19, 2011 in Atlanta, GA
The 4th Diesel Emissions Conference & DEF Forum USA 2011 will bring together

stakeholders to discuss the latest emissions technologies available to meet current and future legislation.

[Railroad Environmental Conference at the University of Illinois Urbana-Champaign](#)

October 25-26, 2011 Urbana, IL. RREC-2011 will feature presentations by railroaders, consulting engineers, academics and others involved in all aspects of railroad environmental topics. Presentation topics will include: pollution prevention; energy, emissions and air quality; noise and vibration; environmental management systems; compliance; risk and liability management; remediation; and training.

[2011 Association of Metropolitan Planning Organizations \(AMPO\) Annual Conference](#)

October 25-28, 2011 in Dallas, TX This event brings together policy board members, executive directors, technical staffs, federal and state employees, and consultants to

share information on a variety of MPO issues.

[Transportation Research Board \(TRB\) 91st Annual Meeting](#)

January 22-26, 2012 in Washington, D.C.

A number of sessions and workshops will address the spotlight theme for 2012; Transportation: Putting Innovation and People to Work.

[CALSTART Green Truck Summit 2012](#)

March 5-6, 2012 in Indianapolis, IN

The Green Truck Summit offers an informative clean technologies and fuels agenda and breakout sessions in conjunction with a showcase of equipment, clean fuels, and technologies.

California Air Resource Board (CARB)

View [upcoming events](#).

California Energy Commission (CEC)

View [upcoming events](#).



[Upcoming Funding Opportunities](#)

[National Funding](#)

Idle Reduction Rebates Available Nationwide through Shorepower Truck Electrification Project (STEP) Rebate Program

Rebate requests will be accepted between February, 2011 and March 31, 2013.



The STEP Rebate program, run by Cascade Sierra Solutions, will offer incentives up to 20% of the installed equipment price or a maximum amount by category for equipment that can hook up to the power grid or operate on battery power to eliminate engine

idling. Long-haul truck owners can now [apply on-line](#) at the Cascade Sierra Solutions web site for rebates on idle reduction equipment when they agree to use truck stop electrification (TSE) sites over the next three years.

Cascade Sierra Solutions (CSS) Financing Programs

CSS applies for financial assistance on behalf of the trucking community. CSS has secured funding for grants directly to truck owners as well as for funding its Revolving Loan Fund for truckers. Money that goes into the Revolving Loan Fund stays in the fund. When loans are repaid, those funds become available to help other truck owners finance a project. Learn about their programs [HERE](#).

DOE Clean Cities Current Funding Opportunities

Current transportation-related financial opportunities, including Clean Cities funding opportunity announcements (FOAs) issued by the U.S. Department of Energy, are listed

[HERE](#) when available. For help with the funding process, contact your [local Clean Cities coordinator](#).

Additional Funding Opportunities: National Idling Reduction Network News

An extensive list of solicitations for funding and awards is available [HERE](#) in the National Idling Reduction Network Newsletter.

State Level Funding

California Air Resources Board (CARB) CA Prop 1B Goods Movement Emission Reduction Program

The \$1 billion Proposition 1B: Goods Movement Emission Reduction Program is a partnership between CARB and local agencies (like air districts and seaports) to quickly reduce air pollution emissions and health risk from freight movement along California's trade corridors. Local agencies apply to CARB for funding, then those agencies offer financial incentives to owners of equipment used in freight movement to upgrade to cleaner technologies. Learn more [HERE](#).

California—CARB Carl Moyer Program

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

California—Providing Loan Assistance for California Equipment (PLACE) Program
ARB is developing innovative financing

programs to provide fleet owners, particularly small business owners, easier access to loan opportunities. The ARB's loan programs may offer several options to increase financing accessibility, including loans, loan guarantees, and other mechanisms to assist industries affected by ARB regulations. More info [HERE](#).

California—Zero-Emission Agricultural Utility Terrain Vehicle (Agricultural UTV) Rebate Program

Opportunity closes when funding exhausted.

The Zero-Emission Agricultural UTV Rebate Program is funded by CARB and administered statewide by the San Joaquin Valley Air Pollution Control District (SJVAPCD). The program was established to promote the production and operation of zero-emission agricultural utility terrain vehicles in California agricultural operations. There is no restriction on the number of vehicles one entity can purchase and rebates are issued on a first come first serve basis. Apply [HERE](#).

California—Regional Plans to Support Plug-In Electric Vehicle (PEV) Readiness

Responses due 7/5/11 to 7/5/12.

The California Energy Commission (CEC) requests proposals for Regional Plans to Support Plug-In Electric Vehicle Readiness. This RFP will support the development of regional PEV strategic plans that will plan for the deployment of PEV electric vehicle supply equipment (EVSE), establish best practices for "PEV-ready" building and public works guidelines, and help to streamline permitting, installation, and inspection processes. Up to \$1 million expected to be available, individual awards not to exceed \$200K. More information [HERE](#). Refer to PON-10-602.

California—Hybrid Truck and Bus Voucher Incentive Program (HVIP)

Opportunity closes when funding exhausted.

The California Hybrid Voucher Incentive Program (HVIP) is offering \$18 million (approximately \$12 million remaining) in vouchers for fleets. Details about participating

in the program, approved dealers and eligible vehicles are available [HERE](#).

California—Clean Vehicle Rebate Project (CVRP) for Zero-Emission and Plug-In Hybrid Vehicles

Clean Vehicle Rebate Project (CVRP) rebates up to \$5,000 for the purchase or lease of zero-emission and plug-in hybrid light-duty vehicles. The rebates are available to individuals, business owners, and nonprofit or government entities in California that purchase or lease new eligible vehicles on or after March 15, 2010. More information [HERE](#), or contact [David Almeida](#) at 866.984.CLEAN (2532).

California—Buy-down Incentives for Natural Gas and Propane Vehicles

Proposals due by April 1, 2013 or until all available funds have been exhausted.

Funding is available and reservations are now being accepted for buy-down incentives for specific classes of natural gas and propane on-road vehicles. The incentives will reduce the high initial price of natural gas and propane vehicles to assist public and private fleets and individual consumers in making the decision to purchase and utilize vehicles powered by non-petroleum, lower-carbon, alternative and renewable fuels. More info [HERE](#), or email buydownincentives@energy.state.ca.us. Refer to PON-10-604.

Oregon—Clean Diesel Tax Credits Available

Clean diesel tax credits are available for up to 50% of the certified cost of a qualifying Oregon diesel engine retrofit, and up to 25% of the certified cost of a qualifying Oregon non-road diesel engine repower. More information [HERE](#), or contact [Maggie Vandehey](#) at 503-229-6878.

Oregon & Washington—The Climate Trust Purchasing High-quality Greenhouse Gas Offset Projects

There is no deadline for submitting project proposals. However, the first qualified proposals received are most likely to be funded.

The Climate Trust funds projects by purchasing their carbon dioxide emission reductions. The Climate Trust is actively originating a portfolio of projects that generate carbon credits. \$8 million is available to purchase new, innovative and high-quality greenhouse gas offset projects in the states of Oregon and Washington, as well as other parts of the United States. More information [HERE](#), or contact [Peter Weisber](#) at 503-238-1915 x207.

Local Level Funding

Puget Sound, WA—ScRAPs Incentive Program to Remove Old Trucks

The Seaport Truck Scrapage and Retrofits for Air in Puget Sound (ScRAPs) program offers an incentive to remove the pre-1994 engine trucks from service early and offers late-model trucks to replace them. With approximately \$5 million in funds available, up to 400 of the oldest trucks could be scrapped by the end of 2011. More information [HERE](#), or contact Cascade Sierra Solutions at (866) – 345 – 3390 x234.

San Diego Air Pollution Control District—Commercial Harbor Craft

Applications due August 12, 2011

The San Diego County Air Pollution Control District (District) is pleased to announce the availability of funds from the State Goods Movement Emission Reduction Program (GMERP). Approximately \$480,000 in GMERP funding is currently available for owners of eligible commercial diesel harbor craft vessels used in freight movement to upgrade to cleaner technologies. More info [HERE](#), or contact [Nick Cormier](#) at (858) 586-2798.

San Diego Air Pollution Control District—Lower-Emission School Bus Program

Applications due July 15, 2011

The San Diego County Air Pollution Control District (District) is pleased to announce the availability of funds from the State Proposition 1B Lower Emission School Bus Program

(LESB). Approximately \$600,000 in LESB funding is currently available for eligible school bus replacement and retrofit projects. More info [HERE](#), or contact [Kai Lopez](#) at (858) 586-2777.

South Coast Air Quality Management District, CA—Funding for Particulate Matter Traps on School Diesel Backup Generators

Opportunity closes when funding exhausted.

This program for retrofitting diesel backup generators with particulate matter (PM) traps located at or near schools (amount not to exceed \$250,000) provides incentives to reduce children's exposure to toxic diesel particulate

matter from diesel generators. More info [HERE](#), or contact [Fred Minassian](#) at (909) 396-2641. Refer to Bid Number PA #2005-05.

South Coast Air Quality Management District, CA—Showcase II Program™ Clean Transportation Funding™ Opportunity for Off-Road Diesel Retrofit

Applications due October 7, 2011

The Off-Road Diesel Retrofit –Showcase II Program™ offers to fund 100% of the cost of purchasing and installing a qualifying diesel emission control retrofit device for off-road vehicles. More info [HERE](#), or contact [Cynthia Ravenstein](#) at (909) 396-3269. Refer to Bid Number PA2011-07.



Rules & Regulation Updates

Federal

Transportation and Climate

EPA Standards and regulations for controlling GHG emissions from mobile sources are available [HERE](#).

Diesel Fuel Regulations

Information from EPA on Diesel Fuel programs and regulations is available [HERE](#).

State

CARB's Heavy-Duty (Tractor-Trailer) Greenhouse Gas Regulation: Compliance Information for Large Fleets of 53-Foot Trailers

Review CARB's modified regulation to reduce greenhouse gas emissions by improving the fuel efficiency of heavy-duty tractors that pull 53-foot or longer box-type trailers [HERE](#). The regulation requires the use of US EPA SmartWay verified aerodynamic technologies and low rolling resistance tires on vehicles

operating on California highways. The regulation also provides exemptions and delayed compliance deadlines for certain refrigerated trailers, along with phase-in options and credit for early compliance. Large fleets must report to take advantage of phase-in option. Reporting deadline for Large Fleets is July 1, 2011. More compliance info is available [HERE](#).

CARB Diesel Vehicle Regulation Overview Training Course 512

CARB will be conducting a Course 512, Diesel Vehicle Regulation Overview Training Course at Los Angeles Trade Technical College on July 19th, 2011. There is no cost for the training. [Pre-enrollment](#) is encouraged.

CARB's Drayage Truck Regulatory Activities

Information on regulations and compliance deadlines can be found [HERE](#), or call the toll-free Help Line at 1.888.247.4821.

Washington Department of Ecology Air Quality Rules and Laws

In Washington, the Department of Ecology is responsible for developing most statewide air quality rules, available [HERE](#).

Local

Bay Area Air Quality Management District's Updated California Environmental Quality Act (CEQA) Guidelines

A May 2011 update to the Bay Area Air Quality Management District's CEQA Guidelines has been posted. The CEQA Guidelines were updated to reflect the Air District's recently released refined risk and hazard analysis tools. The final version of the CEQA Guidelines reflecting the Air District's

Board of Directors adoption of the CEQA is now available [HERE](#).

Port of Seattle's Clean Truck Rules

The Port of Seattle launched an on-line program earlier this year aimed at registering newer, cleaner drayage trucks that access its container terminals. Beginning January 1, 2011, all drayage trucks must adhere to new Clean Truck Program Guidelines to enter Port of Seattle Cargo Terminals. Registration can be done [online](#) or in person at the Port of Seattle's Drayage Truck Registry office. More info is available [HERE](#).

Puget Sound Clean Air Agency Regulations

View or download current regulations [HERE](#).



News & Information

DOE Launches National Clean Fleets Partnership Program

As part of its Vehicle Technology Program's Clean Cities initiative, DOE has established a partnership between the Federal Government and leading companies to reduce petroleum use. AT&T, FedEx, PepsiCo, UPS, and Verizon, the five charter members, represent five of the nation's 10 largest national fleets. Collectively, these companies own and operate more than 275,000 vehicles. With their adherence to National Clean Fleets strategies, the companies will together deploy more than 20,000 advanced technology vehicles—and displace more than 7 million gallons of petroleum annually. They will also be able to collaborate with DOE and its national laboratories on research and development projects. The White House's fact sheet on the program is available [HERE](#).

Destination Sustainability: Reducing GHG Emissions from Freight Transport in North America

The Commission for Environmental Cooperation (CEC) Secretariat's latest report under Article 13 of the North American Agreement on Environmental Cooperation presents findings and recommendations on environmentally sustainable freight transportation in North America. Download the report [HERE](#).

Government Fleet Magazine Introduces Fleet Toolbox

Government Fleet Magazine has introduced a new suite of online tools for public sector fleet managers called [Fleet Toolbox](#). Read the full story [HERE](#).

Developing Transportation Metrics from Commercial GPS Truck Data

Transportation Northwest Regional Center (TransNow) has released a report exploring ways to use global positioning system (GPS) data to analyze travel patterns and develop performance measures for commercial vehicles. Additionally, this research has provided a process to capture, format, and process GPS data. Download the report [HERE](#).

National Idling Reduction Network News

Current and past newsletters are available [HERE](#).

Federal Highway Administration (FHWA) Freight & Air Quality Handbook

This handbook provides the background needed to understand how freight contributes to air quality issues, describes strategies to mitigate those freight-related pollutant emissions and improve air quality, and identifies funding and financing tools available for freight-related air quality projects [HERE](#).

Clean Construction Act of 2011

Senator Tom Carper (D-DE) introduced a bill that would require states and public transportation agencies to allocate 1% of transportation project costs to upgrade dirty construction equipment in particulate matter nonattainment areas. Read more [HERE](#).

Clean Cities Now

The April 2011 issue of the official biannual publication of Clean Cities is available [HERE](#).

Coalition for America's Gateways and Trade Corridors (CAGTC) Bulletin

CAGTC publishes its newsletter filled with news and information on recent CAGTC activities, federal proceedings, and upcoming events. View current and past issues [HERE](#).

National Cooperative Freight Research Program (NCFRP) Report 10: Performance Measures for Freight Transportation
TRB's NCFRP Report 10: Performance Measures for Freight Transportation explores a

set of measures to gauge the performance of the freight transportation system. The measures derived from this research are presented in report card format to serve the needs of a variety of users and may be used to support investment, operations, and policy decisions by a range of stakeholders both public and private. Download the report [HERE](#).

National Cooperative Freight Research Program (NCFRP) Report 11: Truck Drayage Productivity Guide

Transportation Research Board's NCFRP Report 11: Truck Drayage Productivity Guide is designed to help improve drayage productivity and capacity while reducing emissions, costs, and port-area congestion at deepwater ports. Download the report [HERE](#).

American Lung Association: State of the Air 2011

This annual report examines the health effects of ozone and particulate pollution across the U.S. Download the report [HERE](#).

Argonne National Laboratory's Transportation Technology R&D Center

Read the latest issue of the *TransForum* newsletter, with reports on recent accomplishments in Argonne's transportation research [HERE](#).

Saving Fuel, Saving Money: An Assessment of Fleet Cost Savings from High Efficiency Trucks

Download the CALSTART report [HERE](#).

In order to quantify potential future cost savings for truck technology improvements, CALSTART assessed per-truck costs and benefits for three types of end users: package delivery fleets, longhaul trucking fleets, and tractor trailer owner-operators. Analysis shows that truck owners could potentially save tens of thousands of dollars per truck over typical vehicle ownership periods by investing in advanced technologies over the 2020-2030 timeframe.

California DGS to Shutter Four State Fleet Facilities

The State of California's Department of General Services is shutting down four of its fleet facilities, which includes facilities in Fresno, Los Angeles, and Oakland, and its fleet office in San Diego. Read the full story [HERE](#).

Cascade Sierra Solutions Southern California Team in a New Location

Cascade Sierra Solutions Southern California team is in a new location. The new site features expanded truck parking and is easily accessed from I-15 and I-10. Inside you'll find state-of-the-art equipment and resources that can help provide solutions for compliance, fuel economy, and Smartway certified strategies. More info is available [HERE](#).

Decrease in Diesel Exhaust Around the Port of Los Angeles Continues Despite Increased Cargo Volumes

New data from four state-of-the-art air quality monitoring stations in and around the Port of Los Angeles show concentrations of elemental carbon in the Port area air fell in 2010 for the fourth straight year. Elemental carbon is used as an indicator of diesel particulate matter, or DPM, which is the soot produced by the combustion of diesel fuel. DPM has been designated a toxic air contaminant and known carcinogen by State of California health officials. Read the full story [HERE](#).

Clean Truck Program Begins at Port of Seattle Terminals

The Port of Seattle launched an extensive program this year aimed at registering newer, cleaner drayage trucks that access its container terminals. Beginning January 1, all drayage trucks must adhere to new Clean Truck Program Guidelines to enter Port of Seattle Cargo Terminals. Register online [HERE](#).



New Reports & Tools

[Global Trade Impacts: Addressing the Health, Social, and Environmental Consequences of Moving International Freight Through Our Communities](#), Occidental College & University of Southern California, February 2011

The purpose of this report is to: 1) provide an overview of the growth and scale of the freight transportation industries and the U.S. shift from a production to a distribution economy, 2) document examples of organizing and policy approaches that have injected important considerations of health, labor, and community impacts into freight transportation policy and decision-making, and 3) identify new directions so that local and regional communities can better address these challenges.

[Projected Outlook for Next Generation and Alternative Transportation Fuels in California 2010-2030](#), Fueling California and Orange County Business Council

Authored by research experts at UC Irvine, Automobile Club of Southern California, and Tiax LLC, the report suggests that investments and advances in alternative fuels over recent years will lead to a significant displacement of petroleum-based fuels like gasoline and diesel. However, because the rate of turnover for the on-road vehicle fleet is relatively slow (the lifetime of a vehicle is typically between 10 and 15 years), it is likely that petroleum, gasoline and diesel will continue fueling more than 75 percent of the state's vehicles by 2030.

[Intercity Passenger and Freight Rail: Better Data and Communication of Uncertainties Can Help Decision Makers Understand Benefits and Trade-offs of Programs and Policies, United States Government Accountability Office \(GAO\), February 2011](#)

GAO released a report discussing issues related to the current weak economy, congestion in the transportation system, and the potentially harmful effects of air emissions generated by the transportation sector. The GAO was asked to review the extent to which transportation policy tools may generate emissions, congestion, economic development remuneration and how project benefits and costs are assessed for investment in intercity passenger and freight rail. Highlights of the Report are available [HERE](#).

[Performance Measures for Freight Transportation, Transportation Research Board of the National Academy of Sciences, 2011](#)

The report develops measures to gauge the performance of the U.S. freight transportation system. The project's areas of emphasis include efficiency, effectiveness, capacity, safety, security, infrastructure condition, congestion, energy, and the environment.

[Calculators and Worksheets on Idling Reduction Available](#)

Argonne National Laboratory's Transportation Technology R&D Center website now offers some new and updated resources on idling reduction. New tools include idling reduction worksheets for light-duty vehicles in addition to heavy-duty vehicles, in both Excel and PDF formats. In cooperation with DOE's Clean Cities initiative, Argonne has produced communication products that can be used to help educate motorists about the benefits of idling reduction. Both a fact sheet, "Idling Is Not the Way To Go," and a bookmark-sized information card, "You Hold the Key To Being Idle Free," are available. The latter is also available as a customizable electronic file that enables users to add their own state and local idling regulations.

[CoolCalc: A Long-Haul Truck Thermal Load Estimation Tool. Society of Automotive Engineers International](#)

In the United States, intercity long-haul trucks idle approximately 1,800 hrs per year primarily for sleeper cab hotel loads, consuming 838 million gallons of diesel fuel. To help assess and improve idle reduction solutions, the CoolCalc software tool was developed. CoolCalc is an easy-to-use, simplified, physics-based heating, ventilating and air conditioning (HVAC) load estimation tool that requires no meshing, has flexible geometry, excludes unnecessary detail, and is less time-intensive than more detailed computer-aided engineering (CAE) modeling approaches. It is intended for rapid trade-off studies, technology impact estimation, and preliminary HVAC sizing design. It also complements more detailed and expensive CAE tools by exploring and identifying regions of interest in the design space. This paper describes the CoolCalc tool, provides outdoor long-haul truck thermal testing results, shows validation using these test results, and discusses future applications of the tool.

[DOE Mapping Locations of Electrified Parking Spaces](#)

In collaboration with the U.S. DOT, the DOE Clean Cities initiative offers a website showing the locations of public truck stops that have idling reduction facilities for heavy-duty trucks. These facilities are available in at least 16 states.

[EPA SmartWay Interactive Activity Map](#)

This map features data from SmartWay Partners, National Transportation Idle-Free Corridors, National Clean Diesel Campaign Retrofit projects, Clean School Bus USA projects, ethanol (E-85) and biodiesel fueling station projects, and other related sources. The maps enable visualization of the location of specific fuel consumption and pollution reduction projects. The maps also help users locate the nearest electrified truck stop and the nearest public alternative-fuel filling station.



Links & Resources

Federal

[EPA Clean Diesel Initiatives](#)

[EPA SmartWay Program](#) updated resources include [Program Highlights](#), [A Glance at Clean Freight Strategies](#) (11 fact sheets), and [Savings Calculator](#).

[DOE's National Renewable Energy Laboratory's Alternative Fuels and Advanced Vehicles Data Center](#) offers tools such as the light duty vehicle research tool, fuel properties identifier, [Electrified Truck Parking Nationwide Locator](#), and the [Incentives and Laws Database](#).

[DOE National Idling Reduction Network News \(monthly\)](#)

[DOE Argonne National Lab's Idling Publications](#)

[DOE Transportation Infrastructure Finance DOT Congestion Mitigation and Air Quality Program](#)

[Short Term Energy Outlook](#) is published by the US Energy Information Administration monthly, and is predicting increased cost for diesel in 2012 over 2011. Current average diesel prices by region are available [HERE](#).

State

[CARB's Truck Stop Website](#) provides information on clean air requirements that affect heavy-duty diesel vehicles operating in California, as well as [financial opportunities](#).

[CARB Idle Reduction Program](#)

[CARB Diesel Information](#)

[CARB Idle Reduction Program](#)

[Washington Department of Ecology Air Quality Program Diesel Exhaust Information](#)

Local

[California Local Air District Directory](#)

[Port of Seattle Clean Trucks Program](#)

[Puget Sound Clean Air Agency Diesel Solutions](#)

Non-Governmental Organizations

[American Transportation Research Institute \(ATRI\) Compendium of Regulations](#)

[CALSTART](#) is dedicated to the growth of a clean transportation technologies industry.

[Cascade Sierra Solutions](#) is reducing emissions and fuel consumption from heavy-duty diesel trucks through US EPA's SmartWay technology.

[Western Sustainability & Pollution Prevention Network - Resource for Fleet Managers](#) webpage for fleet managers includes resources for operational approaches for greening fleets, basics of alternative fuels, regulations affecting fleet purchasing, etc.

Private

[Trucking Industry Mobility & Technology Coalition](#)

[Car Lines](#)

[America's Marine Highways \(AMH\)](#)