



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

West Coast Collaborative Communicator

WINTER 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 convening stakeholders, and providing technical assistance and funding opportunities. [More information about the West Coast Collaborative.](#)

This West Coast Collaborative Communicator Includes:

1. [Upcoming Events](#)
2. [Professional Development](#)
3. [Upcoming Funding & RFP Opportunities](#)
4. [Rules & Regulation Updates](#)
5. [News & Information](#)
6. [New Reports & Tools](#)
7. [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:](#)

Next call: Wednesday Feb 1st, 2012, 11:00 -12:30pm EST

[Construction Sector:](#)

Coming soon. Last call: July 13th, 2011, 10:00 -11:00am PST

[Locomotive & Rail Sector:](#)

Next call: Wednesday Feb 7th, 2012, 11:00 -12:30pm EST

[Marine Vessels & Ports:](#)

Coming soon. Last call: Oct 27th, 2011, 11:00 -12:00pm PST

[Public Fleets:](#)

Coming soon. Last call: Nov 8th, 2011, 11:00 -12:30pm PST

[Agriculture & Biofuels Sector:](#)

Coming soon.



Upcoming Transportation & Goods Movement Events

Fleet Management – Effective Practices for Public and Private Fleets

December 7-8, 2011, Las Vegas, Nevada

Practical course focused on effective operation of your fleet. Learn to measure fleet shop performance and implement best practices to improve your shop operation and control costs. You'll also learn about practical approaches to shop floor management, environmental management, vehicle and equipment procurement, budgeting, and planning. Group exercises based on real-world fleets will demonstrate these practical approaches.

McCoy Freightliner Green Transportation Conference

January 11th, 9 am to 3 pm Salem Oregon

The Green Transportation Conference with Ride and Drive of alternatively fueled and electric trucks is at the Salem Oregon Conference Center and its free!

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.

I-95 Corridor Coalition, Freight Academy

Next freight academy April 15-20, 2012, Rutgers University in New Brunswick, New Jersey

The I-95 Corridor Coalition is pleased to announce that it will be conducting the third offering of the highly acclaimed Freight Academy, from April 15-20, 2012. The Freight Academy is a unique, week-long immersion program designed to efficiently train public sector agency staff involved in planning, operational, and/or management activities that impact goods movement decisions, investments and interactions. Questions can be directed to I-95 Corridor Coalition Freight Program Coordinator, Marygrace Parker, at i95mpg@ttlc.net.

Government Fleet Expo & Conference (GFX)

June 18–20, 2012

This is the largest government fleet management event in the nation that targets all levels of public sector fleets. Gain training you can immediately utilize through top-notch educational sessions. Network and learn from those in your industry who share the same challenges as you. See the latest technology, software, vehicles, products and services first-hand right in the exhibit hall. More info [HERE](#).

California Air Resource Board (CARB)

View [upcoming events](#).

California Energy Commission (CEC)

View [upcoming events](#).



Professional Development

Webinar Series Sponsored by the Federal Highway Administration

See list of all webinars [HERE](#). Register for this webinars [HERE](#).

Climate Change Partners and Collaboration

January 10, 2012

Who are MPOs partnering with on climate change? Where can MPOs go for climate impacts forecasts? What are some good examples of MPO partnerships? What do MPOs bring to the table in these partnerships?

Climate Change Communications

March, 2012

How are MPOs communicating climate change challenges – to local officials? The public? What approaches have worked well in various MPOs?

Linking Climate Change Solutions to Other Planning Goals

May, 2012

How is climate change planning linked to other goals? How are climate change strategies reinforcing broader planning goals like improved access, mobility, and public health? Which strategies are best serving these multiple goals in a constrained economy?

CARB 500 Series Courses

The 500 Series courses are focused primarily on Mobile Source Emissions.

See a list of all courses [HERE](#), find registration information [HERE](#) and training schedule information [HERE](#).

Diesel Idling Compliance & Enforcement

Course 510: This course is designed for enforcement personnel that have been delegated authority to enforce the provisions of several Air Toxic Control Measures dealing with idling emissions from diesel powered

vehicles. The course covers: Vehicle types subject to idling regulations and regulation requirements; Requirements for commercial diesel vehicles over 10,000 pounds gross vehicle weight; School busses and related school connected diesel vehicles and off-road diesel powered vehicles; Several control strategies and alternative technologies that can mitigate excess idling and diesel emissions; Inspection techniques and outreach information will be covered in detail.

Diesel Exhaust After-treatment Devices

Course 511: This course discusses diesel particulate matter and their health effects; DPF theory, operation, construction, and application; as well as regulations requiring particulate filters. Topics include: diesel oxidation catalysts, continually regenerating traps, ammonia slip, selective catalyst reduction/continually regenerating traps, in addition to passive, active, online and offline regenerating strategies.

Diesel Vehicle Regulation Overview

Course 512: This course is designed to provide an overview of many diesel programs and will be presented similarly at each training session. The Air Resources Board has several new and existing regulations designed to reduce emissions from diesel vehicles used in California in a variety of activities.

Drayage Truck ATCM

Course 513: This course provides information and discussion on provisions of the Air Toxic Control Measure dealing with diesel particulate and NOx emissions from Drayage Trucks. The course will cover health effects of diesel exhaust exposure, the applicability and requirements of the rule, Verified Diesel Emission Control Strategies (VDECS), registration requirements using the Drayage

Truck Registry (DTR) and exemptions. Finally, inspection techniques and outreach information will be covered in detail.

Truck and Bus and Tractor-Trailer GHG Reporting Training

Course 514: The Truck and Bus Regulation applies to privately and federally owned diesel trucks and buses that operate in California. Requirements for the regulation begin January 1, 2012 and are phased-in annually through January 1, 2023. To take advantage of alternate compliance schedules or other flexibility in the regulation, fleets must report by January 31, 2012. In addition, the Tractor-Trailer Greenhouse Gas (GHG) Reduction Regulation applies to 53-foot or longer box-type trailers and the heavy-duty tractors that pull them. To take advantage of the optional small fleet phase-in schedule, small fleets with 20 or fewer 53-foot or longer box-type trailers must report by July 1, 2012.

Maintenance Worker Regulatory Overview

Course 515: This course will provide a brief overview of the regulations designed to reduce emissions from diesel vehicles and equipment operating in California. The training has been developed to educate maintenance workers about the basic regulatory requirements for heavy-duty diesel vehicles and provide awareness on which elements of the regulations maintenance workers may be accountable for.

Diesel Exhaust After-treatment Maintenance

Course 516: CCDET's Diesel Exhaust After-treatment Maintenance training covers: Why diesel particulate filters are necessary; How the technology filters particulate matter (PM); How regeneration strategies operate; How filters might fail as well as preventative maintenance; An overview of SCR systems used on heavy-duty diesel engines; Hands-on shop exercises.

One Stop Truck Event Diesel Regulation Overview

Course 517: The One Stop Truck Events will educate truck owners and operators on California's diesel vehicle regulations.

The California Council on Diesel Education and Technology (CCDET)

Course 528: The [CCDET](#) offers courses, through selected California community colleges, that provide an in-depth look at the ARB Heavy-Duty Vehicle Inspection Program (HDVIP) and the Periodic Smoke Inspection Program (PSIP), as well as Diesel Exhaust After-Treatment and Maintenance. [See the CCDET class schedule for a list of current class availability](#)

Other CARB Up And Coming Training Classes

Fundamentals of Enforcement

Course 100: This course provides the opportunity for Visible Emissions Evaluation (VEE) Certification in accordance with US EPA Method 9. VEE Certification is valid for six months.

Visible Emission Evaluation (VEE) Day Certification

Course 100.1: This course provides the opportunity for Visible Emissions Evaluation recertification in accordance with US EPA Method 9. VEE Certification is valid for six months. Prior completion of course: 100 Fundamentals of Enforcement is required for anyone who seeks VEE Certification from the California Air Resources Board.

Air Academy Online Training

Course 190: This online training is available to all ARB staff and the public. Although it is intended as orientation for new employees at ARB, anyone who wants to learn more about ARB and air pollution control is welcome to take this online course. It takes about 10 hours to complete.

Dry Cleaning

Course 287: Self-inspection, leak checking and compliance assistance for facilities using perchloroethylene are emphasized in this one-day review of organic solvent fabric cleaning. Classroom discussion will focus on the dry

cleaning process and the inspector's role in ensuring compliance with the [Airborne Toxic Control Measure \(ATCM\) for Perchloroethylene](#) from Dry Cleaning Operations. During the field portion of the class, students will get hands-on experience using the latest leak detection equipment at a local dry cleaning operation. For certification as a "Trained Operator", please see [course #387](#).

Chrome Plating ATCM Certification

Course 290.7: This course is designed for owner/operators of chrome plating facilities who wish to comply with the "Environmental Compliance Training" requirements in section 93102.5 (b) of the NEW Airborne Toxic Control Measure (ATCM) for Chromium Plating and Chromic Acid Anodizing Facilities. Classroom discussion will focus on the new amendments associated with the new ATCM requirements.

Fundamental Inspector Course

Course 300: This online course contains an overview of Cal/EPA Boards, Departments and local agencies, environmental law, environmental science, the role of the environmental inspector and basic field health

and safety. Although the course was designed for new environmental inspectors, members of the public may find also this training helpful. You are welcome to view this self-directed online training for your own benefit. This class is also a prerequisite for attending [Basic Inspector Academy \(BIA\)](#) and/or the Cal/EPA Enforcement Symposium. You MUST complete this online course and pass all of the exams in order to attend the BIA class.

Portable Equipment ATCM

Course 302: This one-day course is designed for both environmental regulators and the public and is designed to provide information on the following: What is PERP?; Legislative history and rule development; Eligibility requirements for both engines and equipment units; PERP requirements – identification, notification bookkeeping, etc; ATCM requirements; Inspection requirements.

Advanced Portable Equipment Regulation Review

Course 303: This advanced course is for environmental regulators and the public who are familiar with both the PERP program and the Portable ATCM. Prerequisite: Course 302.



Upcoming Funding & Request for Proposal Opportunities

National Funding

Department of Commerce Economic Development Assistance Programs
Application due: December 15, 2011, 5pm local time.

This grant program supports projects that foster economic competitiveness while enhancing environmental quality. These funds will be used to advance the green economy by supporting projects that create jobs through –

and increase – private capital investment in initiatives to limit the nation's dependence on fossil fuels, enhance energy efficiency, curb greenhouse gas emissions, and protect natural systems. Available funding approximately \$25 million. More info, including regional contacts [HERE](#). Link to original announcement: [HERE](#).

Transportation Infrastructure Finance & Innovation Act (TIFIA)

Applicants for TIFIA credit assistance should submit [Letter of Interest](#) form electronically by 4:30 p.m. EST on December 30, 2011.

The TIFIA credit program's fundamental goal is to leverage Federal funds by attracting substantial private and other non-Federal investment in critical improvements to the nation's surface transportation system. Three forms of credit assistance are available – secured (direct) loans, loan guarantees and standby lines of credit – for surface transportation projects of national or regional significance. Some passenger rail projects may be eligible for TIFIA including intercity passenger rail facilities, passenger rail vehicles and components of magnetic levitation transportation systems. More info [HERE](#) and [HERE](#).

U.S EPA, 2011 Presidential Innovation Award Program for Environmental Educators

December 30, 2011

The White House Council on Environmental Quality (CEQ), in partnership with the U.S. Environmental Protection Agency (EPA), is proud to announce the 2011-2012 Presidential Innovation Award for Environmental Educators. As discussed in the "America's Great Outdoors: A Promise to Future Generations" report, in order to make environmental stewardship and conservation relevant to young Americans, environmental and place-based, experiential learning must be integrated into school curricula and school facility management across the country. This program recognizes outstanding K-12 teachers who employ innovative approaches to environmental education and use the environment as a context for learning for their students. Two teachers from each of EPA's 10 regional offices will be selected to receive this award. \$2,000 per award. More info [HERE](#).

Rail Highway Crossing Hazard Elimination In High Speed Rail Corridors

Applications due: January 6, 2012

The HSR program is authorized by 23 U.S.C. § 104, and has been reauthorized and continued through March 31, 2012. The purpose of the program is to provide funding for safety improvements at both public and private highway-rail grade crossings along federally designated high-speed rail corridors. This program is jointly administered by the Federal Railroad Administration (FRA) and the Federal Highway Administration (FHWA). Estimated amount available for grants: \$7.1 million. To apply go [HERE](#); for selection criteria and additional info go [HERE](#).

Transportation, Community, and System Preservation Program

Applications due: January 6, 2012

The Transportation, Community, and System Preservation (TCSP) Program is authorized by section 1117 of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy For Users (SAFETEA-LU, Pub. L. 109-59), and has been reauthorized and continued through March 31, 2012. The program provides funding for a comprehensive initiative including planning grants, implementation grants, and research to investigate and address the relationships among transportation, community, and system preservation plans and practices and identify private sector-based initiatives to improve those relationships. Estimated amount available for grants: \$29 million. To apply go [HERE](#); for selection criteria and additional info go [HERE](#).

Truck Parking Facilities Program Discretionary Grants for FY 2012

Applications due: January 6, 2012

The Truck Parking Facilities Discretionary Program is authorized in Section 1305 of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU, Pub. L. 109-59). SAFETEA-LU directed the Secretary of Transportation to establish a pilot program to address the

shortage of long-term parking for commercial motor vehicles (CMV) on the National Highway System. The program has been reauthorized and continued through March 31, 2012. Section 1305 of SAFETEA-LU authorizes a wide range of eligible projects and activities, ranging from construction of commercial motor vehicle spaces and other capital improvements that facilitate CMV parking including the use of intelligent transportation systems (ITS) technology to increase information on the availability of both public and private CMV parking spaces. For purposes of this program, long-term parking is defined as parking available for 10 or more consecutive hours. Estimated amount available for grants: \$2.9 million. For application details, selection criteria and additional information go [HERE](#).

Industry/University Cooperative Research Centers

Responses due: February 1, 2012

The National Science Foundation requests proposals for Fundamental Research Program for Industry/University Cooperative Research Centers. Areas of interest include, but are not limited to: Energy and Environment; Advanced Manufacturing; Biotechnology; Advanced Materials; and Fabrication and Process Technology. \$1.6 million expected to be available, up to 10 awards anticipated. For more info, contact Rathindra DasGupta at rdasgupt@nsf.gov or go [HERE](#). Refer to NSF 11-570. (Grants.gov 8/10/11)

Sustainability Research Networks

Preliminary proposals due: December 1, 2011, final proposals due: April 1, 2012.

The National Science Foundation requests proposals for the Sustainability Research Networks Competition. Through this competition, NSF, in partnership with other agencies, international efforts, and the private sector, aims to support members of the academic research community for projects which produce discoveries and knowledge that will inform decisions leading to environmental, energy, social and cultural sustainability. \$36

million expected to be available, up to 4 awards anticipated. More info, including contacts [HERE](#). Refer to NSF 11-574. (Grants.gov 8/25/11)

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

Rebate requests will be accepted till 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.

US DOT, Federal Highway Administration, Freight Management and Operations

Various funding programs offered [HERE](#), including: [Congestion Mitigation and Air Quality Improvement \(CMAQ\) Program](#); [Special Federal Aid Funding](#).

Some recently funded projects under:

[Ferry Boat Discretionary \(FBD\) Awards](#), and [the Interstate Maintenance Discretionary \(IMD\) Awards](#).

Transportation Infrastructure Finance & Innovation Act (TIFIA)

The Transportation Infrastructure Finance and Innovation Act of 1998 (TIFIA), via the Department of Transportation (DOT), makes three forms of credit assistance available – secured (direct) loans, loan guarantees and standby lines of credit – for surface transportation projects of national or regional significance. More info [HERE](#) and [HERE](#).

Railroad Rehabilitation & Improvement Financing (RRIF) Program

Under this program the FRA Administrator is authorized to provide direct loans and loan

guarantees up to \$35.0 billion. Up to \$7.0 billion is reserved for projects benefiting freight railroads other than Class I carriers. The funding may be used to: Acquire, improve, or rehabilitate intermodal or rail equipment or facilities, including track, components of track, bridges, yards, buildings and shops; Refinance outstanding debt incurred for the purposes listed above; and develop or establish new intermodal or railroad facilities. More info [HERE](#).

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](#).

U.S. 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](#).

U.S. EPA, National Clean Diesel Campaign (NCDC)

The National Clean Diesel Funding Assistance Program provides funding to reduce emissions from existing diesel engines through a variety of strategies, including but not limited to: add-on emission control retrofit technologies; idle reduction technologies; cleaner fuel use; engine repowers; engine upgrades; and/or vehicle or equipment replacement; and the creation of innovative finance programs to fund diesel emissions reduction projects. Under this grant program, funding is restricted to the use of EPA and California Air Resources Board (CARB)

verified and certified diesel emission reduction technologies. More info [HERE](#).

U.S. EPA, Clean Diesel Emerging Technologies Program

EPA's Clean Diesel Emerging Technologies Program provides an opportunity to foster the development of cutting-edge technologies to reduce emissions from the existing fleet of heavy-duty diesel engines. The program promotes the deployment of innovative technologies by providing funding to develop and evaluate these technologies in the field. Only technologies on the [Emerging Technologies List](#) can be used on a project funded through the Emerging Technologies Program. Funding may be used to monitor and evaluate performance of the emerging technology. More info [HERE](#).

SmartWay Innovative Financing

The SmartWay Clean Diesel Finance program aims to accelerate the deployment of energy efficient and emission control technologies by helping vehicle/equipment owners overcome financial obstacles. To learn more about Innovative Financing options, please contact the SmartWay Call Center at 734-214-4767 or smartway_transport@epa.gov. SmartWay also provides a [financial clearinghouse web site](#) with access to private lenders who help carriers obtain a loan for a SmartWay Certified Tractor, SmartWay Certified Trailer or SmartWay approved fuel savings and emissions reducing technologies. The purpose of this site is to efficiently and conveniently disseminate information on financing that is available for purchasing cleaner trucks and trailers, and emissions reducing and fuel saving technologies (such as auxiliary power units). All loan information contained in this site represents private company loans. These are not Federal government loans. More info [HERE](#).

USDA Natural Resources Conservation Service Environmental Quality Incentives Program (EQIP)

EQIP is a voluntary program that provides financial and technical assistance to agricultural producers through contracts up to a maximum term of ten years in length. These contracts provide financial assistance to help plan and implement conservation practices that address natural resource concerns and for opportunities to improve soil, water, plant, animal, air and related resources on agricultural land and non-industrial private forestland. In addition, a purpose of EQIP is to help producers meet Federal, State, Tribal and local environmental regulations. More info [HERE](#).

USDA Natural Resources Conservation Service (NRCS) Conservation Innovation Grant (CIG)

CIG program funds projects that demonstrate innovative and on-the-ground conservation approaches and technologies. The program enables NRCS to accelerate technology transfer and the adoption of promising technologies and approaches to address critical natural resource concerns. More info [HERE](#).

USDA Rural Development Business Programs

The Rural Energy For America Program Grants/Renewable Energy Systems/Energy Efficiency Improvement Program (REAP/RES/EEI) provides grants for energy audits and renewable energy development assistance. It also provides funds to agricultural producers and rural small businesses to purchase and install renewable energy systems and make energy efficiency improvements. More info [HERE](#).

USDA Biorefinery Assistance Program

This program provides guaranteed loans to develop and construct commercial-scale biorefineries or to retrofit existing facilities using eligible technology for the development of advanced biofuels. More info [HERE](#).

USDA Repowering Assistance Program

The Repowering Assistance Program is designed to encourage the use of renewable biomass as a replacement fuel source for fossil fuels used to provide process heat or power in the operation of eligible biorefineries. More info [HERE](#).

USDA Bioenergy Program for Advanced Biofuels

The Bioenergy Program for Advanced Biofuels works to support and ensure expanding production of advanced biofuels by providing payments to eligible advanced biofuels producers in rural areas. Payments will be made to eligible Advanced Biofuel Producers for the production of fuel derived from renewable biomass, other than corn kernel starch. More info [HERE](#).

US DOE Biomass Program

The EERE Biomass Program is helping transform the nation's renewable and abundant biomass resources into cost-competitive, high-performance biofuels, bioproducts, and biopower. More info [HERE](#).

US DOE Clean Cities Funding

Securing funding is critical to the success of efforts to reduce petroleum use in transportation. Financial opportunities for Clean Cities projects are available from many sources inside and outside the U.S. Department of Energy (DOE). More info [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.

US Department of Transportation's Federal Rail Administration various grant and loan opportunities

General grant and loan website: [HERE](#).

State Level Funding

AB118 Air Quality Improvement Program (AQIP) Advanced Technology Demonstration Projects Advanced Hybrid Technologies in School Buses

Applications due: December 14, 2011 5pm

This grant solicitation of \$1 million, for the School Bus Advanced Technology Demonstration Projects is open to California-based public agencies such as air districts, state or local government entities or agencies with expertise implementing demonstration programs and the requisite knowledge of school bus operations. The funding is available to assist fleets to migrate from ICE vehicles to electric and hybrids. Grant solicitation and associated documents may be found [HERE](#), more info on Advanced Technology Demonstration Projects found [HERE](#), and further info on AQIP [HERE](#).

Emerging Technology Demonstrations

Abstracts due: October 6, 2011, final proposals due December 22, 2011

The California Energy Commission requests proposals for the Emerging Technology Demonstration Grant Program. Through this RFP, CEC seeks to support emerging technologies that are past the “proof-of-concept” stage and are ready to be demonstrated in an industrial setting. Project should target industrial, agricultural, or water energy efficiency areas for cumulative electricity, natural gas, or electricity demand reduction in CA. \$14 million expected to be available, individual awards NTE \$2 million. For more info, contact Crystal Presley-Willis at Cpresley@energy.state.ca.us or go [HERE](#). Refer to PON# 11-501.

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

Responses due by: July 27, 2012, 4pm

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 info [HERE](#), refer to PON-10-602.

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

Proposals due: by April 1, 2013, 4pm, 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.

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

Opportunity closes when funding exhausted. Still over \$ 800,000 left

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 – 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 – CARB, Voucher Incentive Program

The On-Road Voucher Incentive Program takes the current criteria of the Carl Moyer Program Fleet Modernization program and streamlines the requirements for both participants and air districts. By streamlining the guideline requirements, the goal of the voucher program is to provide funding opportunities for fleets with 10 or fewer vehicles to quickly replace or retrofit their older heavy-duty diesel vehicles. More info [HERE](#). Trucks owners can be based anywhere in California. For general information about the Voucher Incentive Program, please contact a [participating dealership or retrofit installer](#), or contact the Air Resources Board Diesel Hotline at (866)-6DIESEL (866)-634-3735, email 8666DIESEL@arb.ca.gov.

CARB Air Quality Improvement Program (Assembly Bill 118)

The Air Quality Improvement Program (AQIP), established by the California Alternative and Renewable Fuel, Vehicle Technology, Clean Air, and Carbon Reduction Act of 2007 ([Assembly Bill \(AB\) 118](#)), is a

voluntary incentive program administered by the Air Resources Board to fund clean vehicle and equipment projects, research on biofuels production, and the air quality impacts of alternative fuels, and workforce training. More info [HERE](#).

California – CARB, ARB 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. Find a full list of programs [HERE](#).

California – CARB PLACE Program for Off-Road Vehicles

A loan guarantee program available for off-road vehicle owners needing assistance for financing retrofits, repowers and replacements; more info [HERE](#).

California – CARB PLACE Program for On-Road Vehicles (formerly On-Road Heavy-Duty Vehicle Air Quality Loan Program)

Offers financial assistance to fleet owners subject to two regulations approved by the Board in December, 2008; more info [HERE](#).

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

Opportunity closes when funding exhausted. There is still more than \$11 million available in FY11 HVIP voucher funding.

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](#), or call the HVIP Toll-free hotline at (888)-457-HVIP or (888)-457-4847.

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 info [HERE](#), or contact [Peter Weisber](#) at (503)-238-1915 x207.

California Energy Commission (CEC)

The California Energy Commission is the state's primary energy policy and planning agency. [Assembly Bill 118](#) directs the California Energy Commission (CEC) to develop the Alternative and Renewable Fuel and Vehicle Technology Program. The CEC maintains a list of [current solicitations for Transportation Area Programs](#).

California Zero Emission Agricultural UTV Rebate Program

The Zero-Emission Agricultural UTV Rebate Program is funded by the California Air Resources Board 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. More info [HERE](#).

Local Level Funding

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

The Seaport Truck Scrappage 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.

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.

Carl Moyer Memorial Air Quality Standards Attainment Program

Applications accepted from August 8, 2011

This is a voluntary program that offers grants to owners of heavy-duty vehicles and equipment. The program is a partnership between the California Air Resources Board (ARB) and the local air districts throughout the state. In the Bay Area, the Carl Moyer Program is administered by the Bay Area Air Quality Management District (Air District) with the purpose of reducing air pollution emissions from local heavy and medium duty engines. Grants cannot be used for projects that are currently required by law or by a contract or agreement; however, they can be applied to equipment that complies at least three years in advance of state regulations. Approximately \$14 million is available for emission reduction projects! The Air District will start accepting project. More info [HERE](#).

Private Funding

Funders Network

This is an active resource and focal point for foundations, nonprofit organizations and other partners working to solve the environmental, social, and economic problems created by suburban sprawl and urban disinvestment. More info [HERE](#).

The Foundation Center

The purpose of the Foundation Center is to facilitate connections between grantmakers and grantseekers and offers a variety of resources and tools to accomplish this goal. More info [HERE](#).

The Turner Foundation

The Turner Foundation supports projects in several areas, including the protection of the atmosphere and other natural resources by promoting energy efficiency, renewable energy, and improved transportation policies

and practices. The Foundation makes annual funding decisions based on timely and relevant needs, and selects from proposals that are a part of their invitation-only grant policy. More info [HERE](#).

Ben & Jerry's Foundation Grants for Social Change

Grant proposals are evaluated on a year round basis; the processing time is up to eight weeks.

Ben & Jerry's Foundation offers **grants of \$1,001 to \$15,000** for programs working for social, institutional, or environmental change. The foundation generally sponsors 501(c)(3) or fiscally sponsored nonprofit organizations with budgets under \$250,000 per year. It does not offer grants to social service programs. They require an initial letter of interest, after which they will notify you as to whether you have been invited to submit a full proposal. More info [HERE](#).



Rules & Regulation Updates

State

The California Air Resources Board (ARB or Board) staff has issued this announcement as a reminder of the upcoming Truck and Bus Regulation requirements for school buses beginning on January 1, 2012. Diesel-fueled school buses with a Gross Vehicle Weight Rating over 14,000 pounds are subject to the Truck and Bus Regulation.

- Compliance can be met by either retrofitting a school bus with a particulate filter or by replacing a school bus with one that is already equipped with a particulate filter.
- Owners must retire school buses manufactured before April 1, 1977, by January 1, 2012.

- Remaining school buses must have particulate filters (that reduce diesel PM emissions by 85 percent) installed on 33 percent of the regulated fleet by January 1, 2012.
- By January 1, 2013, 66 percent of the regulated fleet must have particulate filters installed.
- By January 1, 2014, 100 percent of the regulated fleet must have particulate filters installed.
- Owners of school buses with 1988-1993 model year engines have the option to delay the particulate filter requirement until January 1, 2014.
- Other provisions of the regulation are summarized in the Truck and Bus Regulation

School Bus Provisions fact sheet
[HERE](#).

The regulation is posted [HERE](#). School bus provisions start on page 34 of the regulation. For more information about the Truck and Bus Regulation, please go [HERE](#). If you have any questions or need help determining compliance, please contact Lisa Jennings at 916 322-6913 or at ljenning@arb.ca.gov

ARB Compliance Extension Application Form now available for TRU (reefer) regulation

On October 21, 2011, the California Air Resources Board approved an amendment to the Transport Refrigeration Unit (TRU or reefer) regulation that allows compliance dates to be extended for a limited time if compliance equipment has been ordered, but there is a delay in delivery or installation that prevents compliance by the deadline. A link to the TRU Compliance Extension Application Form can be found [HERE](#). If you have questions about compliance, please call the TRU Helpline at: 888-878-2826 or call 916-327-8737.

ARB amendments to the Transport Refrigeration Unit (TRU or reefer) regulations approved

On October 21, 2011, the California Air Resources Board (ARB or Board) held a public hearing and approved amendments to the Transport Refrigeration Unit (TRU or reefer) regulation that are designed to provide flexibility, improve enforceability, improve compliance rates, and clarify existing requirements. More details available [HERE](#). Initial Statement of Reasons can be found [HERE](#) and more details about the TRU ATCM are available [HERE](#).

ARB's Drayage Truck Regulatory Amendments Approved

On Wednesday, November 9, 2011, the Office of Administrative Law approved amendments to the Drayage Truck Regulation. These amendments became effective immediately.

The two key changes to the regulation can be found [HERE](#).

ARB final draft of the Low Carbon Fuel Standard 2011 Program Review

The Board approved the Low Carbon Fuel Standard regulation on April 23, 2009, and it became law on January 12, 2010. This document can be found on the LCFS Advisory Panel webpage [HERE](#). General information about the LCFS program can be found at the LCFS information portal [HERE](#).

ARB is announcing a public Board hearing for the following regulatory items:

(1) The “LEV III” Amendments to the California Greenhouse Gas and Criteria Pollutant Exhaust and Evaporative Emission Standards and Test Procedures and to the On-Board Diagnostic System Requirements for Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles, and to the Evaporative Emission Requirements for Heavy-Duty Vehicles. The notice, ISOR, and all subsequent regulatory documents, including the FSOR, when completed, are available on the ARB’s website below for this rulemaking can be found [HERE](#).

(2) The 2012 Amendments to the California Zero Emission Vehicle Regulation. The notice, ISOR and all subsequent regulatory documents, including the FSOR, when completed, are available on the ARB’s website [HERE](#).

(3) The Amendments to the Clean Fuels Outlet Regulation. The notice, ISOR and all subsequent regulatory documents, including the FSOR, when completed, are available on the ARB’s website [HERE](#).

(4) Low Carbon Fuel Standard. This notice and the associated regulatory materials can be accessed from the Air Resources Board’s website [HERE](#).

(5) California’s Small Off-Road Engine and Tier 4 Off-Road Compression-Ignition Engine Regulations and Test Procedures and Amendments to the Exhaust Emission Certification Test Fuel for Off-Road Spark-Ignition Engines, Equipment and Vehicles. This notice and the associated regulatory

materials can be accessed from the Air Resources Board's website [HERE](#).

AB 1085 Background Materials Relating to Emissions Data, Economic Data and Public Health Impacts for all three regulatory items are available [HERE](#).



News & Information

National Idling Reduction Network News Edition can be downloaded [HERE](#).

The GNA Journal Has Arrived

To sign up for the GNA journal email: events@gladstein.org with "Please sign me up for the GNA Journal!" in the subject line

Trade Corridor Bulletin October 2011 edition has arrived, click [HERE](#) to read.

The Air Resources Board, Haagen-Smit Clean Air Awards

Deadline to submit nominations: January 31, 2012

For the past 11 years, the Air Resources Board has presented the Haagen-Smit Clean Air Awards to esteemed individuals who have made significant contributions toward improving air quality and public health. 2011 nominations are now being accepted. If you know someone in the air quality community – scientists, professors, legislators, activists, business leaders, and others – who has made an impact in the air quality field, you can nominate them for an award by completing a nomination form. The form, as well as more information on the Haagen-Smit Clean Air Awards, and previous recipients, can be found [HERE](#). View the form [HERE](#). For more information please contact Heather Choi at (916) 322-3893 or hchoi@arb.ca.gov

Port of Long Beach has released a RFP for the demonstration of land- or barge-based ocean-going vessel at-berth exhaust emissions capture and treatment systems at the Port of Long Beach

Closes January 31, 2012, no later than 4pm

The Port of Long Beach requests the submittal of proposals by qualified vendors of technologies that have been demonstrated to significantly reduce exhaust gas emissions from marine engines. This Request for Proposals (RFP) specifically seeks proposals for the in-use demonstration of land- or barge-based exhaust emission capture and treatment systems that can be used to reduce ocean-going vessel (OGV) auxiliary engine, and potentially boiler exhaust emissions while the vessel is "at-berth" at the Port. More info [HERE](#).

Air Resources Board Issues Statement of Support for North America 2050.

November 11, 2011

New organization of states, provinces to promote cost-effective policies to reduce greenhouse gas emissions, create economic opportunities. SACRAMENTO – Today, California Air Resources Chairman Mary D. Nichols issued a statement related to North America 2050. NA2050 facilitates state and provincial efforts to design, promote and implement cost-effective policies that reduce greenhouse gas emissions and create economic opportunities. The important role of NA2050 was included in the announcement last week by the Western Climate Initiative of the formation WCI Inc., a new non-profit corporation formed to provide administrative and technical services to support the implementation of state and provincial greenhouse gas emissions trading programs. For full news release go [HERE](#).

The Air Resources Board will conduct a Public Meeting to consider adoption of Proposition 1b Grants to Reduce Emissions from Goods Movement.

Board meeting date: December 16, 2011 Sacramento

Interested members of the public may present comments orally or in writing at the meeting and may be submitted by postal mail or by electronic submittal before the meeting. To be considered by the Board, written comments not physically submitted at the meeting must be received no later than 12:00 noon, Thursday, **December 15, 2011**, and addressed to the following: Postal mail: Clerk of the Board, Air Resources Board 1001 I Street, Sacramento, California 95814. You can sign up online in advance to speak at the Board meeting when you submit an electronic board item comment. More info [HERE](#). To view the notice or provide your comments before the Board Hearing, please go [HERE](#). Further inquiries regarding this matter should be directed to Ms. Monique Davis, Staff Air Pollution Specialist, at (916)-322-7304 or Ms. Barbara Van Gee, Manager, Goods Movement Program Section at (916)-324-9949

CalHEAT, Truck Research Center, Annual Forum 2012

Date, time and location: February 22nd, 2012, 8:30am-4:30pm, Hilton Hotel, 2323 Grand Canal Blvd., Stockton, CA

Join CALSTART, the California Energy Commission, and CalHEAT stakeholders for their Second Annual Forum to exchange ideas, review the CalHEAT technologies roadmap findings and discuss the strategies and barriers to achieving the six technology pathways proposed in it. In addition, stakeholders will review the market transformation roadmap recommendations for speeding the commercialization of clean technologies and fuels. For more information contact Susan Romeo at sromeo@calstart.org or go [HERE](#).

Clean Cities Now

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

Trade Corridor Bulletin

The October 2011 edition of the Trade Corridor Bulletin can be found [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. Sign up to view current and past issues [HERE](#).

National Cooperative Freight Research Program (NCFRP) Report 13: Freight Facility Location Selection: A Guide for Public Officials

TRB's National Freight Cooperative Research Program (NCFRP) Report 13: Freight Facility Location Selection: A Guide for Public Officials describes the key criteria that the private sector considers when making decisions on where to build new logistics facilities. 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](#).

Chico Realizes Savings Through Fleet Optimization & Revised Vehicle Use Policy

Chico, CA – The City of Chico's Central Garage was able to save the replacement fund \$1.6 million and saved \$85,234 in reduced fuel consumption in the past three years. See full story [HERE](#).

CARB Approves \$15,000 Incentive for Transit Connect Electric

Sacramento, CA – The California Air Resources Board has approved a \$15,000 incentive for the first Transit Connect Electric purchased by a commercial fleet for deployment in the state of California. See full story [HERE](#).

Funding Available for California Hybrid & Electric Buses/Trucks

Sacramento, CA – \$11 million of funding is still available to California fleets, public or private, to purchase hybrid or electric buses and trucks through the California Hybrid Truck and Bus Voucher Incentive Project. See full story [HERE](#).

Clean-air program offers cash to get old trucks off the road

Lewis Brown's 1992 Kenworth 18-wheeler had more than a million miles on it when he bought it, and he's added another million making short runs to and from the Port of Charleston, S.C.

Brown is an independent operator, and buying a newer truck that wouldn't cough out a trail of blue smoke everywhere he went was not within his means – until now. See full story [HERE](#).

Shorepower Technologies to Host Truck Stop Electrification Webinar

With continued growth in the availability and use of shore power, drivers, vehicle owners and fleet operators need to know how they can take advantage of truck-stop electrification and anti-idling technology. See full story [HERE](#).

Clunker program on Tacoma Tideflats targets heavy trucks

Down on the Tacoma Tideflats these days, the government is paying big money for old trucks. Sound like just another advertising half-truth? Not this time. A new program funded by the federal government and the state Department of Ecology is offering owners of older heavy-duty commercial trucks up to \$30,000 to scrap those trucks and buy a newer, less-polluting vehicle. See full story [HERE](#).

Transportation-List: Docket for the 2012-2013 Investment Plan

The Energy Commission is now accepting comments on developing the 2012-2013 Investment Plan for the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVT Program). The Investment Plan serves as the guiding document for the ARFVT Program's annual investment of approximately \$100 million into fuel and vehicle technology projects that will help the state meet its climate change policies and alternative fuel goals. More information about the investment plan process, including instructions on how to submit items to the docket, is available [HERE](#). Please contact Charles Smith, Project Manager for the 2012-2013 Investment Plan, at csmith@energy.state.ca.us with any questions. More info [HERE](#).

Tips for Environmentally Friendly Gifts this Holiday Season

Washington, November 23, 2011

The U.S. Environmental Protection Agency (EPA) is offering holiday gift-giving tips that will help support a healthy environment this season and all year long. Energy Star, Design for the Environment, and WaterSense labels can be found on thousands of products across the country, making it easy to choose gifts that can help anyone on your list save energy and protect the environment. By using these products this holiday season, consumers can cut their energy bills and harmful pollution while helping keep our environment healthy.

See full story [HERE](#).



New Reports & Tools

New Electric Vehicle (EV) Readiness Guide Now Available for California Communities Bay Area Climate Collaborative, November 2011

Ready, Set, Charge, California! A Guide to EV-Ready Communities provides public agencies throughout California with guidance on how to prepare for the coming wave of Electric Vehicles (EVs). This comprehensive guide provides access to state-of-the-art policies, ordinances, and best practices in EV readiness – including information on charging station options and installation issues, signage, ADA compliance, permitting, EV-friendly building and parking ordinances, and other key issues. The Guide will support local efforts to accelerate EV adoption – thereby reducing fuel costs and greenhouse emissions, while boosting community health, energy security, and green jobs.

ATRI AND FHWA RELEASE BOTTLENECK ANALYSIS OF

Arlington, VA, September 21, 2011

The American Transportation Research Institute (ATRI) and the Federal Highway Administration (FHWA) today released the findings of their annual report on congestion at freight significant highway locations. The research, which assesses the level of truck-oriented congestion at 250 locations on the national highway system, uses ATRI-developed analysis methods, customized software tools and terabytes of data from trucking operations to produce a congestion severity ranking for each location. This ongoing research, which is part of the Freight Performance Measures (FPM) initiative, is sponsored by FHWA's Office of Freight Management and Operations and operated by ATRI.

Diesel Powers the U.S. Economy: Providing High-Paying Jobs, Exports and Long-Term Productivity Gains in the Nation's Fundamental Sectors

Diesel Technology Forum, September 28, 2011

The Diesel Technology Forum released a new economic report, "Diesel Powers the U.S. Economy: Providing High-Paying Jobs, Exports and Long-Term Productivity Gains in the Nation's Fundamental Sectors", authored by Aspen Environmental Group and M.Cubed which quantifies the diesel industry's current contribution to the economy and its evolution as a sustainable, green, high value added industry. Full report can be found [HERE](#).

Energy Department Launches Vehicle Cost Calculator

U.S. Department of Energy, October 26, 2011

The U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) today launched a new [Vehicle Cost Calculator](#) and accompanying widget. These online tools are now available on DOE's Alternative Fuels and Advanced Vehicles Data Center (AFDC), currently celebrating its 20th anniversary. The AFDC helps consumers, fleet managers, and local governments find and compare energy-saving vehicles that can reduce their petroleum consumption. By providing a variety of tools, databases, and informational resources on vehicles powered by alternatives to gasoline and diesel, the AFDC helps users buy the efficient vehicles that are right for them.

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[EPA Awards \\$50 Million for Clean Diesel Projects /Reducing diesel emissions helps decrease asthma attacks and premature deaths](#)

U.S. EPA October 20, 2011

The U.S. Environmental Protection Agency (EPA) has awarded \$50 million for clean diesel projects as part of its ongoing campaign to reduce harmful emissions in the air and better protect people's health. These efforts will replace, retrofit or repower more than 8,000 older school buses, trucks, locomotives, vessels, and other diesel powered machines. Reducing emissions from existing diesels provides cost-effective public health and environmental benefits while supporting green jobs at manufacturers, dealerships and businesses across the country.

[The Air Resources Board staff has posted a Staff Report for the proposed December 2011 funding awards for the Proposition 1B: Goods Movement Emission Reduction Program](#)

The Board hearing to consider these funding awards will be held on December 16, 2011. For more info please see the Program website [HERE](#). If you have any questions, please call the Goods Movement Information Line at: (916) 44-GOODS (444-6637) or via email at: gmbond@arb.ca.gov

[The Air Resources Board's online reporting for agencies is now available](#)

An annual report of a transit agency's urban buses and transit fleet vehicles as of January 1, is due to ARB no later than January 31, 2012

In February 2000, the Air Resources Board (ARB) established the Fleet Rule for Transit Agencies to control emissions from urban buses operated by transit agencies. The rule requires transit agencies to reduce both diesel particulate matter (PM) and oxides of nitrogen (NOx) emitted by urban buses and transit fleet vehicles. The rule requires that transit fleet agencies meet emission reduction requirements for both diesel PM and NOx, which can be achieved through the use of alternative fuels and through the application of Best Available Control Technology (BACT).

[UC Davis, Institute of Transportation Studies research profile: The Revolution Will be Motorized – But How? Is now available](#)

December 2011

ITS-Davis has published a new book, Sustainable Transportation Energy Pathways: A Research Summary for Decision Makers, to help inform researchers, planners and decision makers in industry and government about the potential costs and benefits of various alternative fuel/vehicle pathways, and to illuminate viable transition strategies toward a more sustainable transportation future.

[Transportation Research Board \(TRB\), Policy Options for Reducing Energy Use and Greenhouse Gas Emissions from U.S. Transportation](#)

TRB Special Report 307: Policy Options for Reducing Energy Use and Greenhouse Gas Emissions from U.S. Transportation examines the potential for policies to yield major changes in transportation energy use and emissions trends by policy measures targeting cars and light trucks, medium and heavy trucks, and commercial airliners. These three modes are by far the largest users of energy by U.S.

transportation because they account for the vast

majority of passenger trips and freight.



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 \(AMH\)](#)