

Dear West Coast Collaborative Partners,
Below contains various events, regulatory actions, research, grant funding, new vehicle certifications, awards and other news that may be of interest. Enjoy!

Table of Contents

1. [Upcoming Events](#)
2. [Funding Opportunities](#)
3. [Policies and Regulations](#)
4. [News, Reports, and Research](#)

Upcoming Events

Volvo Construction Equipment (CE) Showcases Their Progress in Off-road Battery Electric Vehicles – September 21, 2021

Join representatives from Volvo CE, South Coast Air Quality Management District, and the U.S. EPA view the ECR25 Electric excavator and L25 Electric wheel loader in action. In-person and virtual options are available!

Date: Tuesday, September 21, 2021, 10AM-12:15PM PDT

Location: Online or at the UCLA Mildred E. Mathias Botanical Gardens, La Kretz Garden Pavilion 707 Tiverton Drive, Los Angeles, CA, 90095

Registration: In-person and virtual participants can [register here](#)

This press event will showcase Volvo CE's progress in off-road battery electric vehicles through work on real-world jobsites. Participants will see a machine demonstration, learn about the findings from the EPA grant-funded customer pilots, and hear Volvo's vision for the future.

CARB Workshop: Ocean-Going Vessels and Cargo Handling Equipment Emissions Inventories

Date and Time: 9/22/2021, 1:00-3:30PM PDT

Register [here](#)

CARB Workshop: Research Priorities

Date and Time: 9/22/2021, 4:00-6:00PM PDT

Register [here](#)

2021 Virtual Tribal EPA Region 9 Annual Conference - October 18-21, 2021

About the Conference:

The Pala Band of Mission Indians and the US Environmental Protection Agency are honored to co-host the 2021 [Tribal EPA Region 9 Annual Conference](#), taking place virtually October 18-21, 2021. Under the direction of the Pala Environmental Department and in cooperation with EPA's Region 9 Tribal Branch, we are organizing a robust and exciting agenda of speakers, sessions, and experiences for conference attendees.

Register: through the 2021 Tribal EPA Region 9 Conference [Event site](#)

For more information, please visit the [Tribal EPA Region 9 Annual Conference website](#).

North Carolina State University Sustainable Fleet Webinar Series

The Sustainable Fleet Technology [Virtual Conference](#) 2021 will take place virtually September 9 to October 19, 2021, on Tuesdays & Thursdays at 11AM - 12:30PM PDT.

View the [full conference agenda](#) online or click the session titles below to register for individual virtual sessions.

9/21/2021 - [Working with your Utility and Understanding Fleet Charging Costs- Meeting Your Power Needs, Rate Structure, Tariffs, Demand Charges and More](#)

9/23/2021 - [Idle Reduction Simple and Impactful](#)

9/30/2021 - [Innovative Charging Solutions](#)

10/5/2021 - [Total Cost of Ownership Comparisons of Alternative Fuel Vehicles versus Conventional Fuel Vehicles](#)

10/7/2021 - [Propane Autogas Applications and Success Stories](#)

10/12/2021 - [Funding Sources and Creative Financing for Sustainable Fleet Deployment](#)

10/14/2021 - [Hydrogen as a Transportation Solution](#)

Webinar: Introduction to EPA Grants

In preparation for the American Rescue Plan's enhanced air monitoring competitive [grant competition](#), EPA is hosting a general grants training for community organizations, tribes, and air agencies.

Date: Wednesday, September 29, 2021

Time: 11:00 – 12:30PM PDT

Registration: Attendees can register [here](#)

This webinar will cover:

- Available EPA Grant Resources and Trainings
- Applying to Opportunities using Grants.gov
- Preparing Grant Applications
- The Competitive Grant Process
- Audience Questions & Answers

If you require special accommodations, please contact Corey Mocka at mocka.corey@epa.gov by September 24, 2021, to make any arrangements.

Please note that this webinar is not intended to cover the specific technical requirements of the upcoming grant competition; however, EPA expects to hold detailed information sessions later in Fall 2021.

To see a recording of the training online after the session and learn more about the air monitoring competitive grant competition [here](#).

Background:

On July 7, 2021 [EPA announced](#) that it will make \$50 million in American Rescue Plan (ARP) funding available to improve ambient air quality monitoring for communities across the United States. The ARP provides a total of \$100 million for the EPA to address health outcome disparities from pollution and the COVID-19 pandemic, with \$50 million specifically to advance environmental justice, [announced June 25th](#), and another \$50 million for enhanced air quality monitoring.

Learn more about the EPA's [Office of Environmental Justice](#)

For up-to-date information about Environmental Justice funding opportunities, events, and webinars, subscribe to EPA's Environmental Justice listserv by sending a blank email to: join-epa-ej@lists.epa.gov. Follow us on Twitter: [@EPAEnvJustice](https://twitter.com/EPAEnvJustice).

Updates on Funding Opportunities

U.S. Department of Energy (DOE), Supporting Communities Tied to Fossil fuels

The U.S. DOE launched the Local Energy Action Program (Communities LEAP)—an initiative designed to help low-income and tribal communities historical tied to fossil fuel industries take direct control of their clean energy future. This pilot program will provide supportive services valued at up to \$16 million to help communities develop locally-driven energy plans to more effectively leverage resources to reduce local air pollution, increase energy resilience, lower utility costs and energy burdens, and create good-paying jobs. Information webinar September 28 and registration to submit applications is due December 15, 2021 with applications selected in March 2022. Additional information at DOE's [Communities LEAP Website](#).

EPA Anaerobic Digestion Funding Opportunity

\$2M nationwide; \$50–200k/award to support: 1) new or expanded anaerobic digestion capacity for processing food waste; 2) demonstrate solutions and/or approaches for increasing food waste anaerobic digestion utilization that can be replicated; and 3) programs that seek to use anaerobic digestion to increase their food waste diversion rates.

Applications due by 8:59PM PDT on 10/7/2021

Visit the [Grants.gov page](#) for more information
Contact - Chris Carusiello: 703-308-8757 / ADGrant@epa.gov

Federal Transit Authority Passenger Ferry Funding Opportunity

\$38M nationwide to improve existing passenger ferry service, establish new ferry service, and repair and modernize ferry boats, terminals, and related facilities and equipment. Learn more about the passenger ferry grants on their [main page](#). The [press release](#) for the new funding announcement.

Applications due by 8:59PM PDT on 10/5/2021

Please visit the [Notice Of Funding Opportunity Page](#) and the [Grants.gov page](#) for information specific to the funding opportunity.

CEC Hydrogen Fuel Cell Truck and Bus Technology Integration and Demonstration Funding Opportunity

\$4M statewide; \$1.5-2M/award to support research, development, and demonstration of hydrogen fuel cell-powered heavy-duty trucks and buses.

Applications due by 5PM PDT on 10/15/2021

Visit the [Grant Funding Opportunity Page](#) to learn more

San Joaquin Air Pollution Control District (SJVAPCD) Low-Dust Nut Harvester Replacement Program

\$12.5M total; <\$150k/unit available to help replace older harvesting equipment with new, low-dust technology. View the open project solicitation on SJVAPCD's [webpage](#).

SJVAPCD Technology Advancement Program (TAP) Project Interest Form/Open Solicitation

TAP has shifted from a formal grant RFP process to a one-page interest form, which will help streamline the District's identification of prospective demonstration project development opportunities.

View the open project solicitation on SJVAPCD's [webpage](#)
Fill out the [Project Interest Form](#)

Policies and Regulation

EPA Light-Duty GHG Standards Notice of Proposed Rulemaking

Proposed revisions to GHG emission performance standards for model year 2023-2026 light-duty on-highway vehicles. Go to the [press release](#) and [main page](#) for more information.

Comments due by 8:59PM PDT on 9/27/2021

Docket ID: EPA-HQ-OAR-2021-0208

Visit the [Federal Register Page](#)

Fill out the [Comment Form](#)

Contact - Tad Wysor: 734-214-4332 / wysor.tad@epa.gov

News, Reports, and Research

West Coast Collaborative Medium and Heavy-Duty Alternative Fuel Infrastructure Funding Survey

Seeking information on MHD alternative fuel infrastructure funding needs in western North America (including California). View the [project page](#) for more information.

Responses due by 11:59PM PDT on 9/30/2021

Fill out the [Survey Form](#)

Contact - John Mikulin: 415-972-3956 / mikulin.john@epa.gov

2021 Green Transportation Summit & Expo Live Session Recordings and Presentation Decks Available on Socio Platform

Desktop Web App Access Instructions

1. Access the official GTSE web app by visiting [this website](#)
2. Log in with an existing account, create an account by entering your email, or continue with Facebook, LinkedIn, or your Google account.
3. When prompted for a passphrase enter the event code: GTSE21

How Will Utilities Deal with Electric-Vehicle Charging and Stressed Electric Grids?

California and other states are scrambling to find electricity this summer amid record heat, with a growing risk of blackouts. If our power grids already can't handle the extremes being caused by climate change, how are they going to handle the addition of battery-electric vehicles? Read more about the challenges they are facing [here](#)

In Pursuit of Green Hydrogen for Trucking

If hydrogen fuel-cell trucks are truly part of the answer for a zero-emissions future, the upstream process of [producing and transporting that hydrogen fuel](#) also needs to be "green."

The Realities of Electric Trucks

Truck makers and electric fleet pioneers laid out [real-world lessons learned](#) as electric trucks begin to move out of infancy and into wide-scale operations at TMC.

Fleet shares experience with current electric truck testing

NFI is testing CEVs from various truck manufacturers in SoCal for port drayage applications. Read more about their experience [here](#).

7 Steps for a Successful Zero-Emission Vehicle Strategy

To help prepare your fleet for the adoption of zero-emission vehicles, follow these [top tips](#).

4 Ways to Accelerate Electric Truck Adoption

At the ACT Expo in Long Beach, California, Peterbilt General Manager Jason Skoog mapped out [four decisive moves](#) he'd like to see happen to accelerate electric truck sales in North America.

Navigating the EV sea change through partnerships

As the trucking industry navigates the transition to electric vehicles, more and more [partnerships](#) are developing among fleets, manufacturers, and commercial vehicle suppliers.

Fleet tests every ZEV it can get its hands on

At the end of the day, Total Transportation Services (TTSI) is [looking for reliable vehicles](#) that can haul loads averaging between 36,000 and 41,000 lbs. The company also knows that in the future, the model of how fleets buy, finance, and run a Class 8 vehicle will change.

Electrified Fleets Could Save 37-44% in Energy Costs

A [white paper](#) from AMPLY Power quantifies the vast cost savings in fuel, health effects, and pollution in the 25 largest U.S. metro areas.

97% of Federal Fleet Buses, Light-Duty Vehicles Could Be Replaced by EVs by 2030

A [new analysis](#) by the Electrification Coalition and Atlas Public Policy makes a case for [federal fleet electrification](#).

Using bacteria to recover precious metals from EV batteries

Researchers at Coventry University have developed a [new solution](#) for recycling EV batteries by recovering all metals in them using a process called bioleaching. Bioleaching, also known as biomining, employs microbes that can oxidize metals as part of their metabolism.

Fleets Can Electrify Faster Than Assumed

[New analysis](#) finds businesses and governments can grow used electric vehicles market by 40% in 2030 by transforming fleets.

ICCT Working Paper – Infrastructure to support a 100% zero-emission tractor-trailer fleet in the United States by 2040

This [analysis](#) estimates the number of charging points and hydrogen refueling stations needed to enable the transition to 100% sales of zero-emission Class 7 and Class 8 tractor-trailers by 2040 in the United States.

ICCT Briefing – A comparison of nitrogen oxide (NOx) emissions from heavy-duty diesel, natural gas, and electric vehicles

Diesel, natural gas, and electric heavy-duty vehicles can be designed and manufactured with the capability of complying with the ultra-low NOx limits envisioned in the next set of California and federal HDV regulations. But that is not to say that the outcomes for each are equivalent. This [briefing](#) compares the capabilities of these three powertrain types in meeting an ultra-low NOx standard across four key areas: feasibility, cost, health impacts, and climate impacts.

About the West Coast Collaborative (WCC)

The WCC, staffed by the U.S. Environmental Protection Agency's (EPA's) 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, local and tribal government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Our partners come from all over Western North America, including: California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada, Mexico, Asian Pacific regions, and Pacific Islands that include the Territory of Guam, the Commonwealth of the Northern Mariana Islands, and the Territory of American Samoa. The Collaborative is focused on creating, supporting and implementing diesel emissions reductions projects by providing technical assistance and funding opportunities. Visit us at <http://www.westcoastcollaborative.org/>