



# Advisor

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## PRACTICAL ELECTRIFICATION OF HEAVY-DUTY FLEETS WITH RANGE ENERGY ELECTRIC- POWERED TRAILER

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## South Coast AQMD Expands Air Quality Monitoring for Eaton and Palisades Fires

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# SOUTH COAST AQMD REVISES PROPOSED RULES ON RESIDENTIAL SPACE AND WATER HEATERS

South Coast Air Quality Management District (South Coast AQMD) has revised its proposed amendments to its residential space and water heater rules (Proposed Amended Rules 1111 and 1121), addressing public concerns about consumer choice and economic impacts. The updated approach provides the option for homeowners to select either natural gas or zero-emission space and water heaters while still achieving significant air quality benefits.

The proposed rules apply to new residential natural gas space and water heaters, aiming to reduce smog-forming emissions by six tons per day—one of the most substantial reductions in the agency’s history. In response to community feedback, South Coast AQMD expanded outreach efforts, engaging municipalities, advisory groups, councils of governments, businesses, and community organizations.

Supporting this transition, the South Coast AQMD Governing Board has approved the Go Zero pilot incentive program, allocating \$21 million in funding to encourage residents and small businesses to adopt zero-NOx emission heating appliances. This initiative promotes cleaner air and healthier communities across the region. For more information, please visit <http://www.aqmd.gov/home/rules-compliance/residential-and-commercial-building-appliances>

# SOUTH COAST AQMD EXPANDS AIR QUALITY MONITORING FOR EATON AND PALISADES FIRES

South Coast AQMD is conducting expanded air monitoring efforts in response to the debris clean up from the Eaton and Palisades Fires and working closely with federal, state, and local agencies to support emergency response and cleanup operations while assessing potential air quality impacts. Monitoring efforts will take place in two stages:

## Stage One: Mobile Air Monitoring

Four mobile monitoring surveys were conducted. Two in the Eaton fire area and two in the Palisades fire area. Mobile surveys measured for toxic metals and volatile organic compounds (VOCs). Mobile monitors provide real-time data to identify potential air pollution hot spots near burn zones. These findings helped guide the placement of stationary monitoring stations.

## Stage Two: Stationary Air Monitoring

Based on mobile monitoring results, temporary air monitoring stations have been established considering cleanup activity, sensitive receptors such as schools and residential areas, and meteorological conditions. These stations are collecting data on particulate matter (PM), lead, arsenic, and asbestos.



Current site locations are listed below:

### Eaton Burn Area

- Site #1: Near Altadena Golf Course
- Site #2: Christ the Shepherd Lutheran Church
- Site #3: Fire Station 11

### Palisades Burn Area

- Site #1: Near Will Rogers State Beach
- Site #2: Fire Station 69

Data for all our monitoring efforts as well as updates on South Coast AQMD’s response efforts can be found at [www.aqmd.gov/lawildfires](http://www.aqmd.gov/lawildfires).

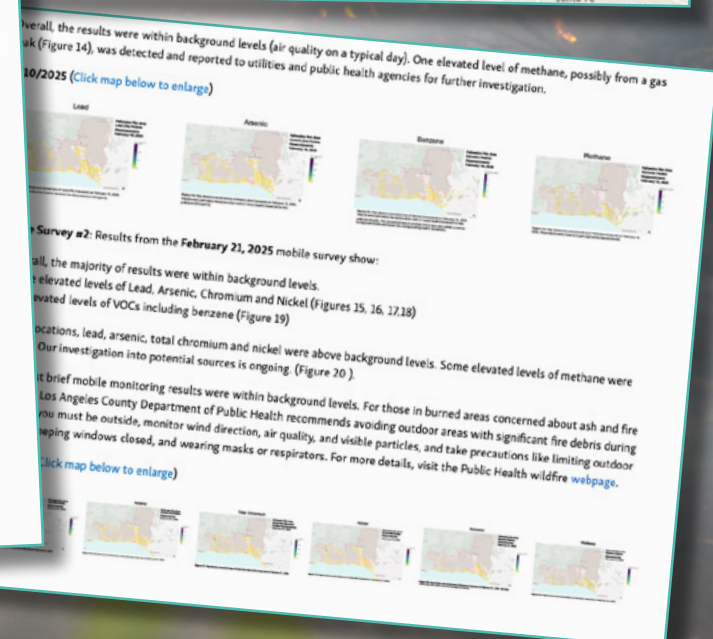
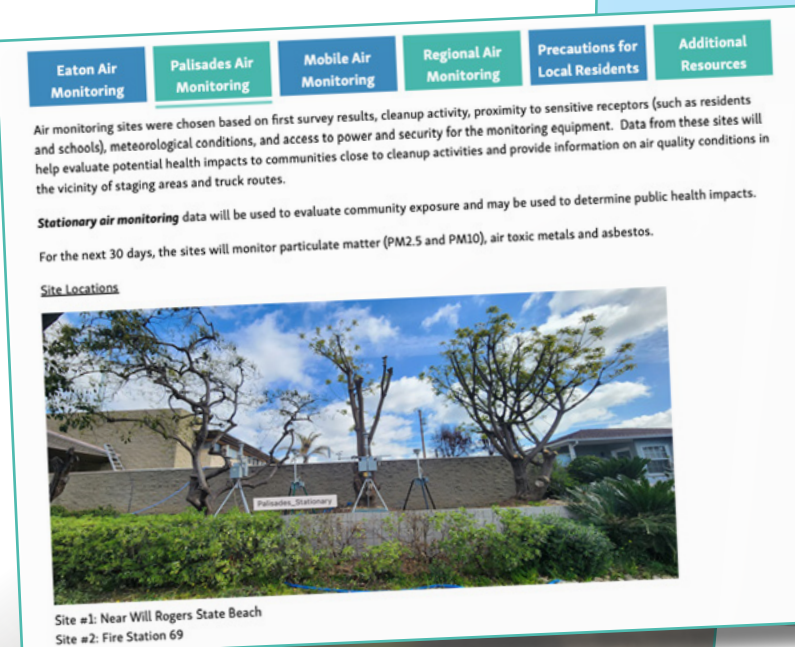
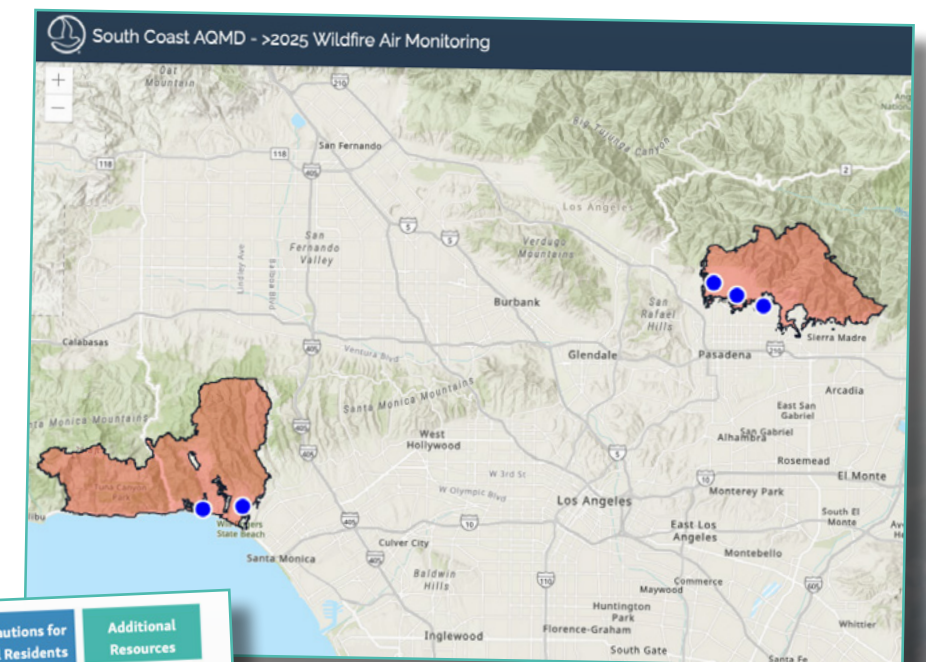


# SOUTH COAST AQMD LAUNCHES DASHBOARD FOR AIR MONITORING DATA

South Coast AQMD has launched a new dashboard displaying particulate matter data from two monitoring sites established in the Eaton and Palisades fire areas. The air monitors collect data hourly, with results available online in near real-time.

South Coast AQMD uses data from these sites to evaluate air quality near staging areas, truck activity, and other locations impacted by cleanup activities.

For access to the data dashboard along with additional information on South Coast AQMD’s wildfire response efforts, please visit [www.aqmd.gov/lawildfires](http://www.aqmd.gov/lawildfires).





# APPLY NOW FOR CARL MOYER FUNDING TO REPLACE OLDER, HEAVY-DUTY DIESEL ENGINES AND EQUIPMENT



Starting March 14, 2025, South Coast AQMD will accept applications for funding to replace older, heavy-duty diesel engines and equipment with cleaner alternatives, such as electric, alternative fuel, or cleaner diesel technologies.

The Carl Moyer Memorial Air Quality Standards Attainment (or Carl Moyer) Program supports cleaner-than-required engines, vehicles, and equipment. The Surplus Off-Road Opt-in for NOx (or SOON) program focuses on reducing emissions beyond the requirements of state regulations. Since 1998 and 2008, these programs have helped improve air quality by encouraging equipment owners to upgrade to cleaner technologies ahead of regulatory deadlines. The Carl Moyer Program can also help support installation of zero-emission infrastructure.

## Who Can Apply?

Any public or private heavy-duty on-road or off-road project that reduces emissions of NOx, PM, or ROG is eligible. Applications must be submitted online by 1:00 PM PST on Tuesday July 1, 2025.

## Funding Details:

Grant amounts depend on the cost-effectiveness and emissions benefits of the project.

For more information and a full description of eligibility requirements, and to apply online after the program opens, please visit: [www.aqmd.gov/moyer](http://www.aqmd.gov/moyer).

# FORUM MOBILITY OPENS FREIGHT CHARGING DEPOT AT PORT OF LONG BEACH

On January 22, Forum Mobility hosted a ribbon-cutting for its new “FM Harbor” facility at the Port of Long Beach (POLB), touted as the largest port-based truck charging depot in the nation. Designed to serve more than 200 electric drayage trucks each day, the nearly two-acre facility is strategically located alongside a freight rail line and an on-ramp to the Long Beach International Gateway Bridge.

The event featured South Coast AQMD Governing Board Member Gideon Kracov, Long Beach Mayor Rex Richardson, California Air Resources Board Chair Liane Randolph, Long Beach Harbor Commission President Bonnie Lowenthal, and other guest speakers.

The depot offers 19 dual-port 360 kW chargers and six single-dispenser 360 kW chargers, which can deliver a full charge to an electric Class-8 truck in about 90 minutes, depending on its battery size. It has the capacity to charge 44 electric trucks simultaneously.

This project is being supported through a unique partnership formed through a Request for Information



(RFI) issued by the Mobile Source Air Pollution Reduction Review Committee (MSRC). Forum Mobility and the Ports of Los Angeles (POLA) and Long Beach (POLB) responded to the MSRC RFI which was designed to facilitate partnerships and investment in zero-emission infrastructure for the goods movement sector. It is the first to be completed by virtue of this partnership, with several more heavy-duty charging infrastructure projects in the works.

# \$45 MILLION AVAILABLE TO REPLACE OLD SCHOOL BUSES

South Coast AQMD is pleased to announce a new funding opportunity to replace older and higher-emitting school buses with zero-emission buses in the South Coast Air Basin under the Lower Emission School Bus Program. This program focuses on reducing children’s exposure to harmful emissions from combustion school buses by providing funding to the public school districts. Eligible buses must be 2005 or older, currently registered with the DMV and have a GVWR greater than 14,000lbs. The old buses must be scrapped after being replaced. The program is available to public school districts, including those participating under a Joint Powers Authority agreement.

Approximately \$45 million is available to support projects within the South Coast AQMD’s jurisdiction. Applications are due on April 18, 2025 at 3:00 p.m. PST. For more information, full descriptions of eligibility requirements, and to apply on-line, please visit: [www.aqmd.gov/schoolbus](http://www.aqmd.gov/schoolbus).



# PRACTICAL ELECTRIFICATION OF HEAVY-DUTY FLEETS WITH RANGE ENERGY ELECTRIC-POWERED TRAILER

In February 2025, the South Coast AQMD Governing Board approved a project with Range Energy, Inc. (Range) to develop and demonstrate a zero-emission (ZE) Transport Refrigeration Unit (TRU) with Range’s electric-powered trailer technology for heavy-duty vehicles. Existing diesel-powered TRUs, used to maintain the appropriate temperature of goods during freight transportation activities, are a significant contributor to community air pollution and human health impacts, especially in areas with major transportation corridors like the South Coast Air Basin and the San Joaquin Valley. To date, there are not commercially available ZE trailer-mounted TRUs.

Founded in 2021 in Northern California, Range is accelerating the electrification of commercial transportation via powered trailers for the heavy-duty truck market. Range’s unique solution can easily be connected to any tow vehicle, rapidly easing the transition to electrification

and meeting its commercial partners’ immediate needs and long-term sustainability goals. South Coast AQMD co-funded earlier work by Range that included the development of a regenerative battery assisted electric-powered trailer, successfully demonstrating the benefit of the propulsion assistance and regenerative braking capabilities of Range’s electric-powered trailer system.

Based on that work, Range will now integrate that electric trailer with a battery-electric TRU. The project will undergo a comprehensive end-to-end demonstration, servicing two fleets with different types of operations. Preliminary data has shown substantial fuel savings and up to 40 percent reductions in greenhouse gas pollutants. Data collected from this study will help to assess the feasibility of zero-emission TRU electric-powered trailers and will provide important input to the development of the TRU regulation led by the California Air Resources Board.





# WORKING WITH COMMUNITIES HONORING DR. MARTIN LUTHER KING JR

On Monday, January 20, 2025, South Coast AQMD's Working with Communities (WWC) volunteer program participated in Leadership Long Beach's annual Dr. Martin Luther King Jr. Day of Service event. The event was held in partnership with California Volunteers and the Office of the Governor Gavin Newsome to bring together over 1,000 volunteers to honor Dr. King's legacy through acts of service and community building.

Attendees met at Long Beach Community College for a pancake breakfast hosted by the Long Beach Fire Department, and listened to inspiring remarks from guest speakers, including Josh Fryday, Chief Service Officer for the State of California. During the celebration, South Coast AQMD hosted a resource booth that drew significant interest from participants. The team distributed informational materials on air quality and provided resources for those affected by the ongoing Los Angeles County fires.

After the morning event, approximately 25 South Coast AQMD volunteers gathered at Freeman Community Center in Long Beach to build a garden for youth and residents. The team constructed three garden beds to create a hands-on experience for neighborhood youth to learn about growing vegetables and fruit as well as environmental and health issues. Volunteer events like this foster a strong sense of community and pride while highlighting the power of collective action to address local needs. Looking ahead, the Working with Communities program in collaboration with Habitat for Humanity Coachella Valley will host an upcoming Cesar Chavez Day of Remembrance event in Indio, California.

For more information about the program and upcoming events, please visit <https://www.aqmd.gov/home/news-events/community-events/working-with-communities>.



## AB 617 UPDATE

The AB 617 Program continues to work towards the improvement of air quality and public health in disproportionately impacted communities. This community-based program brings together residents, local businesses, health and environmental organizations, government agencies, and other stakeholders to form Community Steering Committees (CSCs) to develop and implement plans to help reduce air pollution.

These plans are known as the Community Emission Reduction Plans (CERPs) and Community Air Monitoring Plans (CAMPs). The CERPs focus on community-identified air quality priorities and the CAMPs provide localized strategies for air quality monitoring. All six communities within the South Coast AQMD jurisdiction are currently in the implementation phase of the CERP and CAMP plans.

South Coast AQMD has begun hosting a series of meetings with AB 617 CSC members and community stakeholders to gather feedback and ideas on the transition beyond the 5th year of the program.

South Coast AQMD will continue to work with CSC members and co-lead organizations throughout the CERP implementation process and will hold quarterly meetings to update the community on the progress of the CERPs and CAMPs. For more information on the AB 617 program or meeting schedules, visit [www.aqmd.gov/ab617](http://www.aqmd.gov/ab617)

### Upcoming AB 617 Community Meetings:

- Southeast Los Angeles (SELA) – March 13 & June 5, 4-6 p.m.
- All CSC Post 5th Year Transition Working Team Meeting - March 19, 5:30 p.m. - 7:00 p.m.
- East Los Angeles, Boyle Heights, West Commerce (ELABHWC) – March 27 & May 29, 4-6 p.m.
- All CSC Post 5th Year Transition Working Team Meeting - April 16, 5:30 p.m. - 7:00 p.m.
- San Bernardino, Muscog (SBM) – April 10, 6-8 p.m.
- Eastern Coachella Valley (ECV) – April 17, 5-7 p.m.
- Wilmington, Carson, West Long Beach (WCWLB) – May 15, 2-4 p.m.
- South Los Angeles (SLA) – June 26, 4-6 p.m.





# Residential *Electric* Lawn & Garden EQUIPMENT

## Rebate Program

## Get up to \$250 per Equipment When You Replace Your Old, Polluting Lawn and Garden Equipment with Electric Models

Purchase up to 3 lawn and garden equipment in store or online and get up to \$250 cash back per equipment.

### REBATE PROGRAM STEP BY STEP

STEP 1

Choose a brand new, cordless electric lawn mower, chainsaw, leaf blower or hand-held trimmer (includes edgers, weed wackers, brushcutters) and purchase it from an authorized retail store or online.



STEP 2

To apply, please visit: [www.aqmd.gov/lawnmower](http://www.aqmd.gov/lawnmower) and upload the purchase receipt(s) of your new lawn mower, chainsaw, leaf blower, or trimmer.



STEP 3

Select a certified scrapper from the list of scrappers on our website and print your Dismantler Verification Form.



STEP 4

Take your old operational gas-powered lawn and garden equipment to the selected scrapping location and have the scrapper stamp, sign, and return the signed Dismantler Verification Form to you.



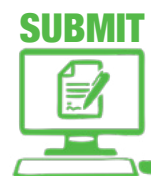
STEP 5

Upload the signed Dismantler Verification Form to your application.



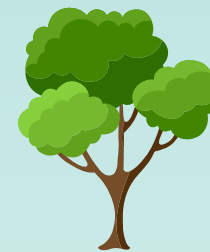
STEP 6

Sign and submit your final application electronically for processing.



### Rules and Conditions Apply

- \* Rebate cannot be greater than purchase price, not including taxes and delivery.
- \* Each participant can receive a maximum of 3 rebates for the lifetime of the program.
- \* Program is on a first-come, first-served basis until funds run out.
- \* Each electric lawn and garden equipment purchased must be cordless and include a battery and charger.
- \* You must scrap an operational and equivalent lawn and garden equipment for each electric equipment to receive the rebate.
- \* For questions or more info please email us at [lawnmower@aqmd.gov](mailto:lawnmower@aqmd.gov) or call 888-425-6247 (Tuesday-Friday, 9-11am and 2-4pm).



## GREENER CHOICES, BRIGHTER FUTURE: CELEBRATE EARTH DAY AND BEYOND

Earth Day may land in April, but protecting our environment is a year-round mission. This spring, get inspired with creative, practical ways to make a positive impact on our planet.

### Encourage Local Businesses to Go Green

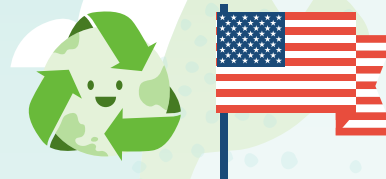
Get started early with National Plant a Flower Day on March 12. This is the perfect time to plant vibrant, California native flora around your home or in your community. Involve kids in learning about gardening and sustainability, or consider starting a community garden in your area.



MARCH 12

**Mark Earth Hour on March 29.** Join millions around the world by turning off all non-essential lighting for one hour from 8:30 p.m. to 9:30 p.m. This symbolic event raises awareness about the need for energy conservation and climate action. Learn more at [www.earthhour.org](http://www.earthhour.org).

MARCH 29



**April is Keep America Beautiful Month!** Take some time to beautify your community by reducing waste, reusing materials, and recycling whenever possible. Volunteer for a neighborhood clean-up event to pick up litter or plant trees to help restore local green spaces.



**Celebrate National Lawn and Garden Month.** April is also the perfect time to refresh your yard with drought-resistant, California-native plants. Not only will you help protect our natural Southern California environment, but you might also save on water and maintenance costs.



Many cities are encouraging residents to switch from gas-powered lawn equipment to cleaner, quieter electric models. Programs like South Coast AQMD's Electric Lawn & Garden Equipment Rebate Program offer helpful incentives. Visit [www.aqmd.gov/lawnmower](http://www.aqmd.gov/lawnmower) for more information.

HAPPY  
EARTH  
DAY

APRIL 22

APRIL 25

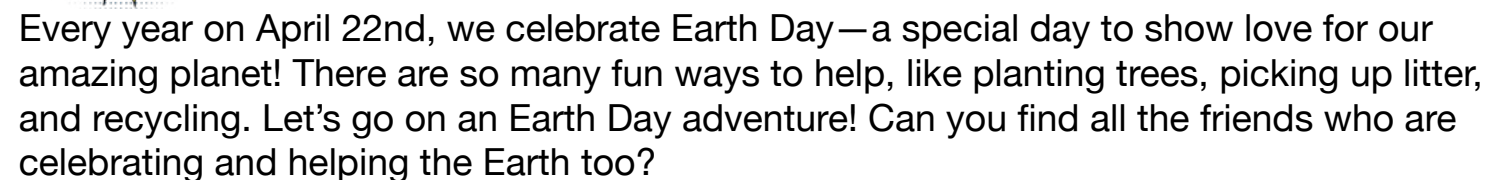


**Celebrate Earth Day on April 22.** This year's theme, "Our Power, Our Planet" focuses on supporting the tripling of renewable energy by 2030. Visit [www.earthday.org](http://www.earthday.org) for more details.

**Plant a Tree for Arbor Day.** Wrap up your environmental efforts by planting a tree on Arbor Day, April 25. Trees provide critical shade, can help to reduce air pollution, and help combat the effects of extreme heat, especially in urban areas. Join a community tree-planting event to leave a lasting legacy of green spaces for future generations.

Spread the word! Volunteer for clean-air programs in your community and encourage others to do the same.





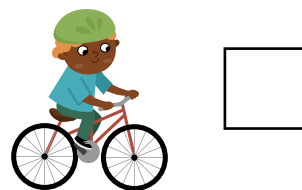
## Planting Trees



## Riding the bus



## Riding a bicycle to school



## Learning about air pollution



## Recycling



## Walking



To participate in our air quality education programs geared for elementary, middle, and high school students, please email [capesinfo@agmd.gov](mailto:capesinfo@agmd.gov) or call (909) 396-2420.



PR = Proposed Rule PAR = Proposed Amended Rule/Regulation

MAY

## PAR 1111: Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces

Establishes targets for manufacturers for low-NOx gas and zero-emission NOx furnaces ,generally at residences, along with alternative compliance options to provide more flexibility. Proposal has been revised to address consumer choice and affordability.  
Contact: Heather Farr at [hfarr@aqmd.gov](mailto:hfarr@aqmd.gov) or (909) 396-3672.

## PAR 1121: Control of Nitrogen Oxides from Residential Type, Natural-Gas Fired Water Heaters

Establishes targets for manufacturers for low-NOx gas and zero-emission NOx water heaters, generally at residences, along with alternative compliance options to provide more flexibility. Proposal has been revised to address consumer choice and affordability.  
Contact: Heather Farr at [hfarr@aqmd.gov](mailto:hfarr@aqmd.gov) or (909) 396-3672.

### REG. III: Fees

Rules 301, 303, 304, 304.1, 306, 307.1, 308, 309, 311, 313, 314, 315, and 316, will be amended to increase most fees to be consistent with the California Consumer Price Index.

Contact: Kalam Cheung at [kcheung@aqmd.gov](mailto:kcheung@aqmd.gov) or (909) 396-3281.

## JUNE

## PAR 223: Emission Reduction Permits for Large Confined Animal Facilities

Will seek to lower the applicability threshold for a Large Confined Animal Facility.  
Contact: Kalam Cheung at [kcheung@aqmd.gov](mailto:kcheung@aqmd.gov)  
or (909) 396-3281.

### PAR 462: Organic Liquid Loading

Will incorporate the use of advanced techniques to detect fugitive emissions and vapor leaks.

Contact: Mike Morris at [mmorris@aqmd.gov](mailto:mmorris@aqmd.gov) or (909) 396-3282.

## PAR 1171: Solvent Cleaning Operations

Will seek to phase out two toxic compounds, pCBtF and tBAC, and consider other amendments to improve clarity.  
Contact: Heather Farr at [hfarr@aqmd.gov](mailto:hfarr@aqmd.gov) or (909) 396-3672.

# DO ONE THING FOR CLEAN AIR

# DOWNLOAD

**SOUTH COAST AQMD'S MOBILE APP**

# TODAY!

## A ONE-STOP APP FOR

- Real-time Air Quality Alerts
- Alternative Fuel Locations
- Report a Complaint
- Weather



■ Visit Our Website: [www.aqmd.gov/mobileapp](http://www.aqmd.gov/mobileapp)

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## UPCOMING RULE COMPLIANCE PROMOTION CLASSES

Classes are conducted online via Zoom. Preregistration is required. Class schedules are subject to change.

### **Rule 403 – Dust Control in the South Coast Air Basin Training**

- Every third Wednesday of the month, January through November.

This half-day course is held from 9:00 a.m. to 11:30 a.m. There is no fee.

Visit <http://www.aqmd.gov/home/programs/business/training-403-403-1-fugitive-dust>. To register, e-mail [dustcontrol@aqmd.gov](mailto:dustcontrol@aqmd.gov) or fax request to (909) 396-2608.

### **Rule 403 & 403.1 – Dust Control in the Coachella Valley Training**

- Every third Thursday of the month, January through November, 1:00 p.m. to 4:30 p.m. There is no fee.

Visit <http://www.aqmd.gov/home/programs/business/training-403-403-1-fugitive-dust> for class and registration information. To register, email [dustcontrol@aqmd.gov](mailto:dustcontrol@aqmd.gov).

### **Rule 461 – Gasoline Transfer and Dispensing Training**

- Daily Maintenance Inspection –  
Registration Fee: \$204.51  
March 7, 2025

- Periodic Compliance Inspection –  
Registration Fee: \$223.82  
March 14, 2025
- Vapor Recovery System Tester Orientation –  
Registration Fee: \$212.79  
March 21, 2025

Visit <https://www.aqmd.gov/home/rules-compliance/compliance/gasoline-dispensing2/rule-461-classes> for class and registration information. Call Rule 461 Assistance at (909) 396-3546 or email [Rule461assistance@aqmd.gov](mailto:Rule461assistance@aqmd.gov) for more information.

### **Rule 1403 – Asbestos Demolition and Renovation Compliance Training**

- April 9, 2025
- June 11, 2025
- August 13, 2025
- October 8, 2025
- December 10, 2025

This half-day class starts promptly at 8:00 a.m. and will be conducted in person at Diamond Bar HQ. The fee is \$111.29 per person, except as noted. Visit <http://www.aqmd.gov/home/programs/business/training-1403-asbestos-demolition> to register or call the Asbestos Hotline at (909) 396-2336 for more information.

### **Rule 2202 - Employee Transportation Coordinator (ETC) Training**

- March 11 and 13 2025
- March 25 and 27, 2025
- April 8 and 10, 2025
- April 22 and 24, 2025

Each class is two days in length (Tuesday and Thursday). Classes are held from 9:00 a.m. to 11:30 a.m. Registration fee is \$230.88 per person. Enrollment is limited. Early registration is recommended.

For more information, contact the ETC Coordinator at (909) 396-2777, or visit <http://www.aqmd.gov/home/programs/business/training-2202-etc>. To register, e-mail [etctraining@aqmd.gov](mailto:etctraining@aqmd.gov) or call (909) 396-2777.

## Advisor

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