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GOVERNING BOARD TO VOTE ON UPDATED AIR POLLUTION REDUCTION PLAN

t its December 2nd meeting, the South Coast Air Quality Management District (South Coast AQMD) Governing Board is expected to consider adoption of the Draft 2022 Air Quality Management Plan (AQMP). The Draft 2022 AQMP establishes the path for reducing air pollution to meet the federal ozone standard established by the U.S. Environmental Protection Agency (U.S. EPA) in 2015. The South Coast Air Basin must reduce ozone levels from 126 parts per billion (ppb) in 2020 to 70 ppb by 2037. Unlike most other air pollutants, ozone (smog), is not directly emitted, but instead is formed in the atmosphere. Ozone is formed when nitrogen oxides (NOx) and volatile organic compounds (VOCs) react in the presence of sunlight. While both NOx and VOCs contribute to ozone, the key to attaining the ozone standard is to reduce NOx.

The Draft 2022 AQMP includes a series of actions and strategies to reduce NOx, including the wide transition to zero-emission technologies when available, and ultra-low emission technologies when zero-emissions aren't feasible. The Draft 2022 AQMP also proposes new regulations and incentive programs. Even after including all feasible measures at the state and regional level, significant new actions are still needed from the federal government to reduce emissions from sources primarily under its control, such as ships, planes, trains and trucks. The only way to achieve the required NOx reductions is through extensive use of zero-emission technologies across all stationary and mobile sources coupled with rules and regulations, investment strategies and incentives.

Development of the Draft 2022 AQMP has been a multiyear, collaborative effort led by South Coast AQMD, with participation by the California Air Resources Board (CARB), the Southern California Association of Governments, U.S. EPA and a wide range of businesses, environmental and community groups and health organizations. Numerous public meetings and workshops have been held to receive feedback on proposed strategies to promote the collaborative process and public participation.

The Draft 2022 AQMP is available for review online, and the public is encouraged to submit ideas on control measures and to provide feedback during public comment periods either online or at regional public meetings to be held this summer and fall.

Once adopted by South Coast AQMD's Governing Board, the Draft 2022 AQMP requires CARB's adoption before submittal for U.S. EPA's final approval.

For more information on the Draft 2022 AQMP including the policy briefing papers and upcoming workshops and public meetings visit <u>www.aqmd.gov/2022aqmp</u>.





FILING AN AIR QUALITY **COMPLAINT ON YOUR SMART PHONE IS EASIER**

outh Coast AQMD's award-winning smartphone app has two new features. The public can submit and track air quality complaints directly from their smartphone and can access local facility information. The smart phone app and all its features are also available via the Spanish version of the app and is part of the agency's commitment to provide increased engagement with the public.

The new update showcases a more robust complaint reporting feature, allowing users to quickly submit air quality complaints, including photos directly from their smartphone. The public can then easily track the status of a submitted complaint through each stage of the process.

The second update allows easy access to South Coast AQMD's F.I.N.D. (Facility Information Detail) tool, allowing the public to effortlessly search for local sources of air pollutions regulated by South Coast AQMD, including facility permit status, history of violations, and annual emissions information. Download the current free smartphone app to gain immediate access and utilize these highly anticipated updates.

For more information on South Coast AQMD's mobile app, visit: https://www.aqmd.gov/mobileapp.



The CAPES program educates kindergarten through 6th grade students about the importance of air quality, the impact of air pollution, and actions students can take to improve the environment. As part of the program, students are equipped with tools to make healthier, clean air choices.



SOUTH COAST AQMD'S AIR QUALITY **EDUCATION PROGRAMS REACH MORE THAN 31,000 STUDENTS**

The end of the 2021-2022 school year marks the South Coast AQMD's most successful year to date for its free air quality educations programs. Together, the Why Healthy Air Matters (WHAM) and Clean Air Program for Elementary Students (CAPES) programs reached more than 31,000 students since 2019. The programs prioritize schools and youth organizations in environmental justice communities who are most impacted by air pollution and are part of the agency's mission to educate students that breathing healthy air is their right.



The WHAM program introduces students to academic and career paths they can take to help clean the air. Students in the WHAM program learn about air quality through a hands-on science, technology, engineering, and math (STEM) based curriculum featuring four lessons on air quality regulations, air chemistry, health effects of air pollution, air pollution sources and reducing air pollution.

In the 2021-22 school year, WHAM was implemented in a total of 409 classrooms in 70 high schools and 45 middle schools within the agency's jurisdiction reaching more than 10,000 middle and high school aged students. CAPES was implemented in a total of 90 schools, reaching more than 6,000 students throughout South Coast AQMD's jurisdiction.

Both programs are available at no cost for eligible schools, youth groups, clubs and organizations. Registration for the 2022-23 school year is currently open for eligible elementary, middle schools, high schools, youth groups, clubs and organizations. For more information, please visit:

VOLVO LIGHTS PROJECT WINS AWARD FOR OUTSTANDING ACHIEVEMENT IN SUSTAINABILITY

he Southern California Association of Governments (SCAG) has awarded the Volvo LIGHTS (Low Impact Green Heavy Transport Solutions) project — led by South Coast AQMD and Volvo Trucks



North America — with its 2022 Outstanding Achievement in Sustainability award. The award was presented during SCAG's annual Regional Conference and General Assembly in May.

The Volvo LIGHTS project, which started in 2019 brought together public and private partners to design and implement a blueprint for the wide scale deployment of battery-electric trucks and equipment. This groundbreaking project is playing a pivotal role in making heavy-duty electric trucks a reality. It is a powerful tool to reduce air pollution and in the fight against climate change.

The project team includes South Coast AQMD, Volvo Group North America, NFI Industries, Dependable Highway Express (DHE), TEC Equipment, Shell Recharge Solutions (formerly Greenlots), Port of Long Beach, Port of Los Angeles, Southern California Edison, CALSTART, the University of California, Riverside CE-CERT, Reach Out, Rio Hondo College and San Bernardino Valley College.

South Coast AQMD contributed \$4 million from the Clean Fuels Fund and awarded the Volvo Group a \$45.6 million contract to design and implement the LIGHTS project. Volvo and its partners placed matching contributions to bring the total project value to more than \$91 million. The three-year project took place in Southern California in regions within the top 25% of the state's disadvantaged communities.

To learn more about the Volvo LIGHTS project, visit <u>www.lightsproject.com</u>.

FIRST ZERO-EMISSION LINE-HAUL LOCOMOTIVE COMING TO THE SOUTH COAST AIR BASIN

South Coast AQMD and the U.S. EPA awarded funding to BNSF Railway (BNSF), one of the largest freight railroads in North America, to repower a diesel line-haul locomotive with an EMD® Joule battery-powered system by Progress Rail, supplier of railroad and transit system products and services.

When delivered in mid-2023, this will be the first-ever zeroemission battery electric line-haul locomotive deployed in California. The line-haul, battery-electric locomotive (BEL) will feature six axles, eight MWh battery storage capacity, and zero-emissions.

The locomotive will routinely operate on a 240-mile route between Los Angeles and Barstow, operating at least 85% of the time in the South Coast Air Basin. This will, benefit the disadvantaged communities alongside the route in Los Angeles, Riverside, and San Bernardino counties by reducing diesel emissions.

Line-haul locomotives account for 85% of overall locomotive NOx emissions in California and consume an estimated 240 million gallons of diesel fuel. Although the initial cost of electric locomotives is higher than diesel powered systems, the electric system's cost is typically offset by fuel-savings, less maintenance, and the vehicle data acquisition, performance tracking over a set route, quieter operation, and a reduction in greenhouse gas emissions.

The development of zero-emission locomotive technologies will provide cleaner options other than Tier 4 diesel engines, which is currently the cleanest emission standard currently. Once the zero-emission locomotive technology is adequately demonstrated and verified, future incentive funding may be applied to deploy more zero-emission locomotives through programs such as Carl Moyer and Proposition 1B.



CLEAN AIR TECHNOLOGY SHOWCASED AT South Coast Aqmd's Diamond Bar Headquarters

n May 6th, South Coast AQMD hosted an inperson showcase at its Diamond Bar headquarters to feature the latest in lower polluting trucks, buses, shuttles, and other vehicles and equipment, including South Coast AQMD's mobile monitors. Many of the vehicles and technologies showcased were funded, developed, and demonstrated through programs at South Coast AQMD. Some of these cleaner technologies are available through agency incentive programs that can be found online at <u>www.aqmd.gov/incentives</u>.

South Coast AQMD officials, fleet owners and operators, local and state officials, academic researchers, media representatives, and other stakeholders got to "kick the tires" on prototype/commercial low-emission trucks and learn more about incentive funding for commercially available near-zero and zero-emission trucks, buses, and lawn equipment.

On display were:

On-Road Vehicles:

- Volvo battery electric Class 8 box truck
- Daimler battery electric Class 6 eM2 box truck and Class 8 eCascadia truck
- Phoenix Motorcars medium duty battery electric shuttle bus
- Hyundai XCIENT Class 8 fuel cell truck
- Toyota/Kenworth Project Ocean Class 8 fuel cell truck
 New Flyer fuel cell electric transit buses and liquid
- hydrogen station at OCTA
- Passenger fuel cell vehicle

Off-Road:

- Orange EV Battery Electric Terminal Tractor
- Volvo Construction Equipment battery electric excavator and wheel
- STAX captures and control system for oil tankers display
- Progress Rail battery electric locomotive display

Other Showcased Equipment:

- South Coast AQMD's mobile monitoring vehicles
- Near-zero and battery electric school buses
- TTSI's near-zero Class 8 drayage truck
- National Readymix's near-zero cCass 8 cement mixer
- Commercial Electric Lawn and Garden Equipment
- Booth for South Coast AQMD's incentive programs







AB 617 UPDATE - SOUTH LOS ANGELES CERP ADOPTED BY **GOVERNING BOARD**

The Assembly Bill 617 (AB 617) program continues to work toward the improvement of air quality and public health in environmental justice communities. The community-based program develops and implements Community Emissions Reduction Plans (CERPs) and Community Air Monitoring Plans (CAMPs) with input from local stakeholders and members of the Community Steering Committees (CSCs). Currently, six communities have been designated as AB 617 Communities in South Coast AQMD:

- 1. East Los Angeles, Boyle Heights, West Commerce;
- 2. Eastern Coachella Valley;
- 3. San Bernardino, Muscoy;
- 4. South Los Angeles;
- 5. Southeast Los Angeles; and
- 6. Wilmington, Carson, West Long Beach.

Except for South Los Angeles, all communities in the program are in the implementation phase of the program and meet quarterly, to implement their CAMP's and CERP's.

On June 3, 2022, the South Los Angeles CERP was adopted by the South Coast AQMD Governing Board. It was developed with three local community co-lead organizations -- Physicians for Social Responsibility-Los Angeles; Strategic Concepts in Organizing and Policy Education; and Watts Clean Air and Energy Committee and community members.

The South Los Angeles CERP includes communityidentified air quality priorities based on local sources of air pollution. The CSC worked with staff and the community co-leads to develop a set of actions to be implemented by South Coast AQMD and CARB, in collaboration with government agencies, organizations, businesses, and other local entities. The CERP has been submitted for formal approval at the August 25, 2022, CARB Board meeting.

For more information on the AB 617 program or meeting schedules, visit: http://www.aqmd.gov/AB617.

REGISTRATION OPENING SOON FOR THE 8TH ANNUAL ENVIRONMENTAL JUSTICE CONFERENCE

outh Coast AQMD invites you to participate in the 8th Annual Environmental Justice Conference "Our Environment, Our Lives: Collaborating for Clean Air" on Wednesday, September 14, 2022. The conference will be hosted virtually; with notable guest speakers representing local, state and federal environmental justice programs.

The conference increases awareness of environmental justice issues and encourages collaboration between community members, environmental justice leaders, policymakers, health professionals, and business owners to advocate for clean air and healthy, sustainable communities. Follow @SouthCoastAQMD on social media and/or visit our webpage for upcoming announcements on speakers and more.

Register to attend at https://bit.ly/aqmdEJ22. For more information, visit http://www.aqmd.gov/home/news-events/community-events or email <u>EJCP@aqmd.gov</u>.

8th Annual Environmental Justice Conference

Our Environment, **Our Lives:** Collaborating for Clean Air

WEDNESDAY September 14 9:00 AM-12:00 PM

Virtual **Event**

Register Today! https://bit.ly/aqmdEJ22







NOW OPEN NOMINATIONS FOR 33RD ANNUAL VIRTUAL CLEAN AIR AWARDS

or decades, South Coast AQMD has honored those who have made outstanding clean air contributions to improve the health of our communities and the economy. Past awardees have been honored for their significant contributions towards the development of clean air engines, organization of youth campaigns to improve the quality of life for local neighborhoods and cities that have taken action towards more sustainable communities.

Submit nominations by 12:00 pm, PST on Monday, October 31, 2022 at www.CleanAirAwards.com.

Nominations categories are:

- Innovative Clean Air Technology or Strategy
- Leadership in Air Quality
- Youth Leadership in Air Quality

This year's awards ceremony will be held virtually on Friday, January 6, 2023. Visit the Clean Air Awards webpage to register for the event at www.CleanAirAwards.com.

For more information on nominations, contact Lisa Tanaka at lomalley@aqmd.gov.

For Clean Air Award event information, contact Cristina Lopez at <u>clopez@aqmd.gov</u>.



MARK YOUR CALENDARS FOR THESE UPCOMING **AIR QUALITY EVENTS**

International Day of Clean Air (September 7): The United Nations Generally Assembly designated International Day of Clean Air is a reminder that air pollution is one of the greatest risks to our environment and our health. This year recognizes the importance clean air has on people's health and dayto-day lives. To learn more, visit: https://www.un.org/en/observances/clean-air-day.

National Drive Electric Week (September 23 through October 2): Celebrate by attending an electric vehicle demonstration in your area or by joining an online information session to learn more about the many benefits of driving all-electric and plug-in hybrid cars, trucks, and motorcycles. For those considering purchasing an environmentally friendly vehicle, visit: https://driveelectricweek.org/.

Clean Air Day (October 5): The Coalition for Clean Air will host the 5th Annual California Clean Air Day which seeks to engage California residents in conversations about air pollution and the impacts of poor air quality throughout their communities. Individuals, children, and organizations can take the pledge to improve air quality through actions big and small, such as using public transportation for a day, planting a tree, or hosting an event on clean air topics. For more information and to take the pledge, visit https://www.cleanairday.org.

National Walk, Bike & Roll to School Day (October 12): This day recognizes the importance of clean air friendly transportation. Moving around throughout our communities by walking and biking or rolling, such as by skateboard, promotes a healthy lifestyle and helps reduce air pollution. For more information, visit: https://www.walkbiketoschool.org/.

SOUTH COAST AQMD AND **U.S. EPA TOUR COMMUNITIES IMPACTED BY GOODS** MOVEMENT



n June 22, 2022, South Coast AQMD joined U.S. EPA Region 9 Regional Administrator Martha Guzman on an environmental justice tour of communities impacted by goods movement.

The tour featured areas of the Inland Empire that are affected by the goods movement industry, including a newly approved rail line in San Bernardino, a proposed new rail yard in Colton, and warehouses in Fontana and Bloomington. Discussion focused on potential actions to reduce air pollution including regulatory actions and the need for cleaner technologies for warehouses and railyards. Wayne Nastri, South Coast AQMD's Executive officer joined Guzman in discussions with community groups including the Sierra Club, the People's Collective for Environmental Justice, and the Center for Community Action and Environmental Justice in this engaging conversation about environmental justice.





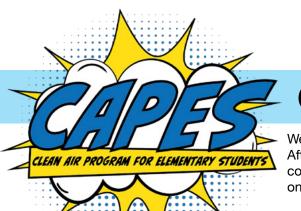












CORNER

Nelcome back to school! Take a moment to review the words on the left side. Afterwards, match the words to the definitions on the right side by drawing a line connecting them to their correct meanings. Each word and definition can be used only once.

CAPES is South Coast AQMD's environmental education program geared at educating and engaging our youth on the importance of clean air, the impact of air pollution, and the ways they can help improve the environment in their communities to become Clean Air Heroes. Registration for the 2022-23 school year is currently open. Spaces are limited. For more information on CAPES, or to find out if your school, club, or organization is eligible, please contact Monika Kim at mkim@agmd.gov.



Air Pollution



Air Quality

Fossil Fuels





Particulate Matter

Greenhouse Gasses



Recycle

Reuse



To take old items that you might consider throwing away and finding a new use for them.

To **decrease** the amount of waste we create or use items more than once.

A measure of how clean or polluted the air is.

Is made up of **tiny particles** and liquid droplets like chemicals, metals, dust, and mold spores.

Certain gases in the atmosphere, such as water, vapor, carbon dioxide, nitrous oxide, and methane, that trap energy from the sun.

Includes coal, oil and natural gas found deep inside of the earth.

The process of collecting and processing materials that would otherwise be thrown away as trash and turning them into new products.

A complex mixture of gases and small particles in the air that can be harmful to the health of humans, animals, and plants

Copies of South Coast AQMD rules and regulations can be downloaded from the website at www.agmd.gov/home/rules-compliance/rules/scagmd-rule-book or obtained from the Public Information Center at (909) 396-2039.

SEPTEMBER

Rule 218.2: Enhanced **Requirements for Continuous Emission Monitoring System** Rule 218: 3: Enhanced **Requirements for Continuous Emission Monitoring System Performance Specifications Proposed Amended Rules** 218.2 and 218.3 are needed to include provisions when monitoring mass emission limits using a Continuous **Emissions Monitoring Systems** for non-RECLAIM and former **RECLAIM facilities. Other** amendments may be needed for clarity or to remove obsolete provisions.

Contact: Michael Krause at mkrause@agmd.gov or (909) 396-2706.

Rule 429: Start-Up and Shutdown Exemption Provisions for Oxides of Nitrogen

Proposed amendments to Rule 429 will update startup and shutdown provisions for a variety of combustion equipment regulated under source-specific rules.

Contact: Michael Morris at mmorris@agmd.gov or (909) 396-3282.

NOVEMBER

Rule 1148.2: Notification and Reporting **Requirements for Oil and** Gas Wells and Chemical **Suppliers**

Proposed amendments to Rule 1148.2 may be needed to expand the applicability of well activities, improve notifications of well working activities, add additional monitoring provisions, and to address other issues.

Contact: Michael Morris at Proposed Rule 1159.1 will mmorris@agmd.gov or (909) establish requirements to 396-3282. reduce NOx emissions from nitric acid units that will apply Rule 1168: Adhesive and to RECLAIM, former RECLAIM, and non-RECLAIM facilities. Sealant Applications

Proposed amendments to Rule 1148.2 may be needed to Contact: Michael Krause at expand the applicability of well mkrause@agmd.gov or (909) activities, improve notifications 396-2706 of well working activities, **Rule 1178: Further** from Storage Tanks at

add additional monitoring provisions, and to address other **Reductions of VOC Emissions** issues. **Petroleum Facilities** Proposed Amended Rule 1178 Contact: Michael Morris at mmorris@agmd.gov or (909) will incorporate the use of more 396-3282. advanced early leak detection methods and improve leak detection and repair programs Rule 1460: Control of for storage tanks to further Particulate Emissions from Metal Recycling and reduce VOC emissions.

Shredding Operations Proposed Rule 1460 will establish housekeeping and best management practices to minimize fugitive particulate emissions from metal cutting and shredding operations.

Contact: Michael Krause at mkrause@agmd.gov or (909) 396-2706.

RULE UPDATE The following proposed amended rules and regulations are tentatively scheduled for hearings at upcoming Governing Board meetings in 2022. To verify whether scheduling changes have occurred, visit South Coast AQMD's website at www.aqmd. gov/home/news-events/meeting-agendas-minutes, chack the Bule and Control Measure Forecast item on the most recent Governing Board meeting agenda, or call the Clerk of the Board's Office at (909) 396-2500.

DECEMBER

Rule 1153.1: Emissions of **Oxides of Nitrogen from Commercial Food Ovens** Proposed amendments to Rule 1153.1 are needed to establish NOx BARCT limits for the **RECLAIM transition.**

Contact: Heather Farr at HFarr@ agmd.gov or (909) 396-3672.

Rule 1159.1: Control of NOx **Emissions from Nitric Acid** Tanks

Contact: Michael Morris at mmorris@aqmd.gov or (909) 396-3282.



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UPCOMING RULE COMPLIANCE PROMOTION CLASSES

Classes are conducted online via Zoom. Preregistration is required. and walk-in registrations are not allowed. 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, 9:00 a.m. to 11:30 a.m., There is no fee.

Visit <u>http://www.aqmd.gov/home/programs/business/training-403-403-1-fugitive-dust</u>. To register, e-mail 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.

Rule 461 – Gasoline Transfer and Dispensing Training

Daily Maintenance Inspection – Registration Fee: \$187.11

- October 7, 2022
- March 3, 2023
- Periodic Compliance Inspection Registration Fee: \$204.78
- October 14, 2022
- March 10, 2023
- Vapor Recovery System Tester Orientation Registration Fee: \$194.69 • August 5, 2022
- October 21, 2022

The Zoom Cloud Meetings app must be installed on your device or Google Chrome must be used as the web browser to connect to and attend the class. Check-in time is 8:00 a.m. to 8:30 a.m.

Visit <u>https://www.aqmd.gov/home/rules-compliance/compliance/gasolinedispensing2/rule-461-classes</u> for class and registration information. Contact Rule 461 Assistance at (909) 396-3546. or email <u>Rule461assistance@aqmd.gov</u> for additional information.

- Rule 1403 Asbestos Demolition and Renovation Compliance Training
- August 10, 2022
- October 12, 2022
- December 7, 2022

This half-day class, from 8:00 a.m. to 1:00 p.m., will be conducted via webinar (including standard phone access for those without access to a computer or smart phone). Registration fee is \$101.83 per person.

Visit http://www.aqmd.gov/home/programs/business/training-1403asbestos-demolition to register or contact the Asbestos Hotline at (909) 396-2336 for more information.

Rule 1469 – Hexavalent Chromium Training Certification

- August 18, 2022
- eptember 15, 2022
- *Last Class of 2022* October 27, 2022

This half-day course is presented via Zoom Webinar from 8:30 a.m. to 12:30 p.m. There is a class fee of \$40.41 per person. The Zoom Cloud Meetings app must be installed on your device or Google Chrome must be used as the web browser to connect to and attend the class.

To register and for fee information, visit <u>http://www.aqmd.gov/home/</u> programs/business/training_1469-hexavalent-chromium or call (909) 396-2338 for more information.

Rule 2202 - Employee Transportation Coordinator (ETC) Training • August 9 & 11, 2022

- August 23 & 25, 2022
- September 6 & 8, 2022

Each class is two days in length (Tuesday and Thursday) from 9:00 a.m. to 11:30 a.m. Registration fee is \$211.16 per person. Enrollment is limited. Early registration is recommended.

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

Advisor

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