



# Advisor

October / November / December 2020 • Volume 27 • Issue 5

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# DIVERSITY, EQUITY, AND INCLUSION ACTIVITIES AT SOUTH COAST AQMD

**O**n June 12, South Coast AQMD issued a statement in support of the Black community and communities of color committing the agency to be “part of the change,” striving to build bridges, break down barriers, and encourage conversations. South Coast AQMD has since been actively working to deliver progress.

To increase efforts, South Coast AQMD established the Inclusion, Diversity, and Equity Advisory (IDEA) panel. The IDEA panel is an employee-driven group made up of diverse volunteers from almost every division in the organization.

The goal of the panel is to develop, organize and recommend immediate actions that can be implemented to elicit change. The first meeting was held in August. Since then, the group has met weekly, with both internal employees as well as external agencies, to discuss policy

suggestions and other initiatives for recommended implementation at South Coast AQMD.

Along with the IDEA panel, the agency has brought in a speaker to talk about race and equality with employees and is working on scheduling additional speakers and training opportunities in the near future.

The agency has also joined the Government Alliance on Race and Equity (GARE), a national network of government organizations working to achieve racial equity and advance opportunities for all.

While there are still significant steps to take, South Coast AQMD is committed to its employees and the public and strives to be a leader and model for inclusive policies and actions.

## SIXTH ANNUAL ENVIRONMENTAL JUSTICE CONFERENCE TO BE HELD VIRTUALLY ON OCTOBER 28

**O**n October 28, 2020, South Coast AQMD will host the Sixth Annual Environmental Justice Conference, A New Era of Environmental Justice – Our Community Survival from 8:00 am to 12:00 pm. This year, the Conference will unite activists, organizers, scientists, and storytellers to address current environmental justice and public health challenges. While the COVID-19 pandemic requires the conference to be hosted virtually, it has opened new ways of collaborating with environmental justice partners and communities.

South Coast AQMD is dedicated to connecting with and empowering the communities most impacted by air pollution. This will be a morning that will drive solutions and actions to advance environmental equity and justice. The conference will open with a discussion with Margaret Gordon, Co-founder of the West Oakland Environmental Indicators Project who was honored as a “Champion of Change” by President Obama and a trailblazer in the environmental justice movement.

The conference’s Keynote speaker will be California Attorney General Xavier Becerra, the first Latino to hold the office in the history of the state.

The Conference will also feature the following sessions:

- Black Lives Matter – Race and Environmental Justice
- Youth United to Change the World
- AB617 Finding Success in Community Partnerships and Paving a Path Together
- Hearing the Voice of Health Professionals – The Future of America
- Women in the Environmental Justice Movement
- A Closer Look – Tribal Nations on the Frontlines
- Forging a Path from the Pandemic: Bold Legislation for Environmental Equity and Recovery

To register and obtain more information visit: [bit.ly/ejconference6](https://bit.ly/ejconference6). For more information contact Alicia Rodriguez at (909) 396-2311 or via e-mail [EJCP@aqmd.gov](mailto:EJCP@aqmd.gov).

# AB 617 UPDATE - COMMUNITY STEERING COMMITTEES CONTINUE TO MEET VIRTUALLY

Since May, about 20 Assembly Bill 617 (AB 617) Community Steering Committee (CSC) meetings have been conducted via Zoom. With the added accessibility and inclusion provided by the virtual format, meeting attendance has increased for each community.

For all AB 617 CSC meetings, the public can participate using either a Zoom meeting link or a dial-in phone number. To improve public accessibility, Spanish-English interpretation is provided during each virtual meeting, including phone numbers for both English and Spanish lines, and meeting materials in both languages. Until further notice, CSC meetings are expected to continue virtually for the five AB 617 communities:

## 2018-Designated Communities:

- Wilmington/Carson/West Long Beach (WCWLB)
- San Bernardino/Muscoy (SBM)
- East Los Angeles/Boyle Heights/West Commerce (ELABHWC)

## 2019-Designated Communities:

- Southeast Los Angeles (SELA) - includes the cities of South Gate, Bell Gardens, Cudahy, Huntington Park, and the unincorporated Los Angeles County neighborhoods of Florence-Firestone and Walnut Park.

- Eastern Coachella Valley (ECV) - includes Coachella, Indio, Mecca, North Shore, Oasis, and Thermal.

These ongoing meetings provide an opportunity for the community to receive updates and provide input on the development or implementation of Community Air Monitoring and Emission Reduction Plans.

South Coast AQMD continues to build close relationships with the communities we serve by being accessible to CSC members and reaching out to individuals on a regular basis. Additionally, South Coast AQMD's AB 617 newsletters help to keep communities informed about our efforts to implement the community plans, and other related meetings or opportunities.

In August, a Community Workshop was held to gather recommendations from new communities for consideration for the AB 617 program. More than 100 community self-nomination letters have been received.

For up-to-date meeting materials and information on the AB 617 program, visit: [www.aqmd.gov/ab617](http://www.aqmd.gov/ab617).

## Upcoming AB 617 Community Steering Committee Virtual Meetings:

### OCTOBER

Thurs, 10/8,	4-6pm	Southeast Los Angeles (SELA) CSC Meeting
Thurs, 10/22,	4-6pm	Eastern Coachella Valley (ECV) CSC Meeting

### NOVEMBER

Thurs, 11/5,	4-6pm	Southeast Los Angeles (SELA) CSC Meeting
Thurs, 11/19,	4-6pm	Eastern Coachella Valley (ECV) CSC Meeting

### DECEMBER

Thurs, 12/8,	4-6pm	Boyle Heights, East Los Angeles, West Commerce (ELABHWC) Quarterly CSC Meeting
Wed, 12/9,	4-6pm	Wilmington, Carson, West Long Beach (WCWLB) Quarterly CSC Meeting
Thurs, 12/10,	6-8pm	San Bernardino, Muscoy (SBM) Quarterly CSC Meeting

*\*All meetings are subject to change.*

# LA STATE HISTORIC PARK SWITCHES TO CLEANER LAWN EQUIPMENT THROUGH SOUTH COAST AQMD'S INCENTIVE PROGRAM

Taking advantage of South Coast AQMD's Commercial Lawn and Garden Program, the Los Angeles River State Park Partners introduced its first battery-electric landscape maintenance equipment at Los Angeles State Historic Park (LASHP).

The LASHP has been designated as the first park in California's 280 state parks system to earn the "AGZA Certified Green Zone" designation from the American Green Zone Alliance (AGZA). The park replaced all two-stroke gas powered equipment with battery electric and people-powered tools for all routine maintenance tasks.



South Coast AQMD's Commercial Lawn and Garden Program provides incentives to help commercial gardeners and landscapers, local governments, school districts, colleges and non-profit organizations buy new zero-emission, battery-electric lawn and garden equipment to replace their old, polluting gasoline or diesel-powered ones. Participants may receive up to 75 percent off the purchase price of new equipment.

The park was able to purchase a zero-emission riding lawn mower and trimmers under the program.

Gas- and diesel-powered equipment produce hazardous emissions that can expose operators and residents to air pollution. The benefits of using battery electric equipment



are reducing potential exposure for operators, and reductions in noise, vibration and emissions.

For more information on South Coast AQMD's Lawn and Garden Program, please visit: [www.aqmd.gov/home/programs/community/lawn-and-garden-equipment](http://www.aqmd.gov/home/programs/community/lawn-and-garden-equipment).



# SOUTH COAST AQMD INSTALLS THIRTY LEVEL 2 CHARGERS TO SUPPORT A GROWING ELECTRIC VEHICLE FLEET

**T**hirty Level 2 chargers for South Coast AQMD's fleet of battery electric and plug-in electric vehicles (EV) were installed in the lower level parking garage in the agency's Diamond Bar headquarters in July 2020. Funding for the fleet chargers was provided through SCE's Charge Ready Fleet program, PowerFlex, and South Coast AQMD.

By the first quarter of 2020, SCE's Charge Ready Program had installed almost 1,500 electric vehicle charging ports at 90 sites, with an additional 1,200 EV charging ports at 58 sites in progress. Fourteen percent of the EV charging ports through SCE's Charge Ready Program are for fleet charging and 47 percent will be in disadvantaged communities.

PowerFlex was founded by a group of researchers at California Institute of Technology (Caltech) who developed a power management system so that power between the chargers could be shared with enough charging for all vehicles without increasing power requirements. PowerFlex's technology manages large-scale EV charging systems based on advanced algorithmic research.

South Coast AQMD's fleet chargers use PowerFlex's Adaptive Charging Network technology to allow site hosts to maximize delivery of electricity to EVs while reducing or eliminating the need for costly utility upgrades by managing charging based on drivers' demand, building load, onsite generation, and other variables. This will enable South Coast AQMD to continue to expand its fleet of EVs for employee use, and to continue to incorporate EVs into the fleet as they become available for vanpooling and other purposes. This project supplements the 92 Level 2 EV charging ports installed in 2017 for public and workplace charging in South Coast AQMD's main parking lot.



# ALTERNATIVES TO HELP REDUCE HEALTH RISKS FROM BURNING FIREWOOD

**W**ood burning creates an average of five tons of harmful PM2.5 emissions per day in the South Coast Air Basin. That is four times the amount of PM2.5 emitted from all the power plants in the area! And it is even worse in the winter when wood burning is at its peak. From November through February, pollution from wood burning has been estimated to cause more than 10 tons per day of PM2.5 emissions.

There are plenty of wood-burning alternatives and resources to help you switch to cleaner-burning gas log sets.

- **Reduce your need for fuel.** Make your home more energy-efficient by installing ceiling insulation, and by weather stripping or caulking windows and doors. Close off unused rooms if you don't have central heating.
- **For heating, switch to a cleaner wood-burning alternative.** An EPA-certified wood stove emits up to 70 percent fewer particulate emissions and uses 30 percent less fuel.
- **Replace your wood-burning fireplace with a natural-gas unit.** The particle pollution from one wood stove is equivalent to that emitted by 3,000 gas furnaces producing the same amount of heat per unit.
- **Watch South Coast AQMD's video "Wood-Burning Alternatives for Your Fireplace"** on gas and electric options on YouTube at: [https://youtu.be/kCAZL6N\\_OE](https://youtu.be/kCAZL6N_OE).
- **Check out South Coast AQMD's Wood Stove & Fireplace Change-Out Incentive Program.** Vouchers through this program help reduce the cost to purchase and install cleaner hearth products such as stoves, inserts, gas logs and retrofits to residents, renters (with landlord approval), and landlords in the areas surrounding the cities of Riverside, San Bernardino and the community of Boyle Heights.
- From switching to gas or electric fireplaces to using your wood-burning fireplace responsibly, by not burning on days when a No-Burn advisory is in effect, every small step toward cleaner air will help protect your respiratory health.

For more information on the Wood Stove & Fireplace Change-Out Incentive Program, visit <http://www.aqmd.gov/home/programs/community/community-detail?title=wood-device-incentive-program>.

## CHECK BEFORE YOU BURN SEASON STARTS NOVEMBER 1

**B**eginning November 1 through the end of February 2021, local residents are asked to "Check Before You Burn" and refrain from burning wood in residential fireplaces, backyard fire pits and wood stoves on days when unhealthy air quality is forecast.

During this time, South Coast AQMD issues periodic mandatory no-burn alerts for days when emissions and stagnant weather conditions are expected to raise fine particulate pollution to unhealthy levels.

There are three ways you can Check Before You Burn:

- **E-mail Notification Program** – sign up at [www.airalerts.org](http://www.airalerts.org) to receive Air Alerts on air quality and to be notified when a mandatory no-burn alert has been issued for your neighborhood.
- **Check Before You Burn Map** - visit [www.aqmd.gov/CheckBeforeYouBurnMap](http://www.aqmd.gov/CheckBeforeYouBurnMap) for daily forecast information.
- **Toll-Free Phone Number** – call 866-966-3293 for daily Check Before You Burn information. For more information, visit [www.aqmd.gov/cbyb](http://www.aqmd.gov/cbyb).

The Check Before You Burn program was created to reduce pollution and protect public health from the harmful emissions of wood burning. Despite steady progress toward improved air quality, the South Coast Air Basin still has the worst pollution in the country.

Smoke from wood can emit fine particulate matter, otherwise known as PM2.5. Long-term exposure to PM2.5 can lead to reduced lung function and chronic bronchitis. In some cases, prolonged exposure to this harmful substance may even lead to premature death. Short-term exposure can make existing respiratory conditions such as asthma or lung disease worse. Young children and the elderly are especially vulnerable to the effects of PM2.5.

For more information, visit [www.aqmd.gov/cbyb](http://www.aqmd.gov/cbyb).

# Being Green During the Holidays

As the holiday season approaches and New Year's Resolutions cross our minds, now is the time to set and stick to new ways of going green! Below you will find a few simple ways you can go green and help reduce your carbon footprint. The best part is you don't need to wait until the New Year. Start soon and form new habits today!

- **Reducing Energy** – Consider using a timer for holiday lights and using energy-saving LED lights to reduce your electricity use.



- **Refrain from Burning Wood** – Gas and electric heat sources produce less air pollution and help improve our air quality. Look into South Coast AQMD's Wood Stove & Fireplace Change-Out Incentive Program for assistance with replacing wood-burning devices.



- **Reducing Waste** – Gift wrap is typically a single-use product which ends up in landfills. Look into eco-friendly wrapping by using (or reusing) household materials such as newspaper, fabric, and tin boxes.



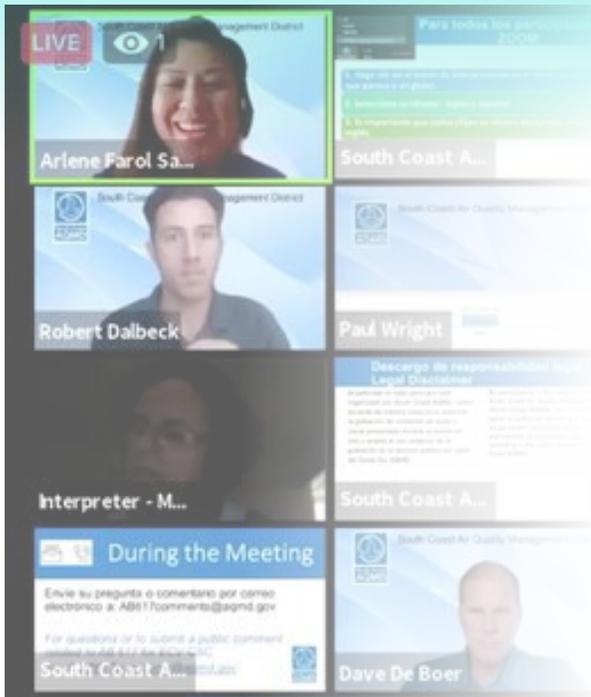
- **Reusable Decorations** – Millions of Christmas trees and natural wreaths are discarded after the holiday season every year. Artificial trees and wreaths cut down on deforestation and can be reused year after year.



- **Reply All with an E-Card** – Help reduce paper waste and practice social distancing by sending an electronic greeting card to your loved ones this holiday season.



# SOUTH COAST AQMD VIRTUAL PUBLIC MEETINGS EXTENDED THROUGH THE END OF THE YEAR



To protect public health and safety and to adhere to social distancing guidelines during the COVID-19 pandemic, South Coast AQMD will continue conducting public meetings in a virtual setting through at least the end of 2020. South Coast AQMD's Headquarters building continues to be closed to the public until further notice.

Governing Board and committee meetings can be accessed through Zoom teleconferencing on a desktop or laptop computer, tablet, smartphone or by telephone line. Instructions for participation can be found on meeting agendas posted to South Coast AQMD's

Meeting Agendas & Minutes page at:

[www.aqmd.gov/home/news-events/meeting-agendas-minutes](http://www.aqmd.gov/home/news-events/meeting-agendas-minutes)

For information on upcoming remote meetings, as well as updates on postponements and cancellations, please visit South Coast AQMD's calendar page at: [www.aqmd.gov/home/news-events/calendar\\_v2](http://www.aqmd.gov/home/news-events/calendar_v2), or by downloading [South Coast AQMD's smartphone app](#).

For operational updates and changes, stay up to date by visiting South Coast AQMD's COVID-19 webpage at: [www.aqmd.gov/covid-19](http://www.aqmd.gov/covid-19).

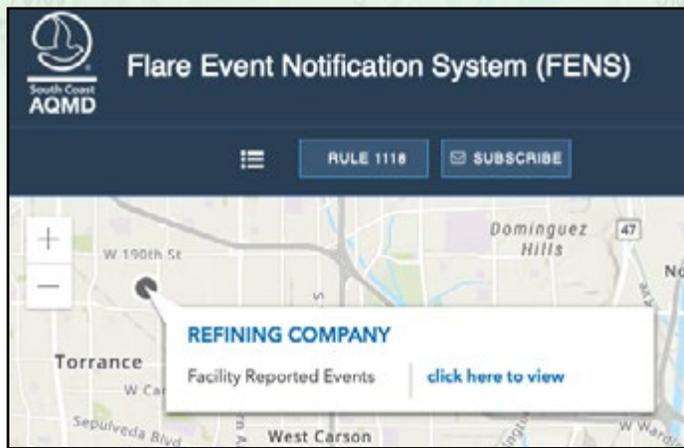
## WHAT'S AHEAD FOR SOUTH COAST AQMD IN 2021

As 2020 comes to a close, there is much to look forward to in the year ahead. Here is a sneak peak of what to expect in 2021:

- **Enhanced AQI Map Data:** South Coast AQMD's Air Quality Index map will be enhanced to include more localized air quality data with a new gridded map. Those using the South Coast AQMD app will be able to access more geographically specific air quality information in real time based on their location.
- **Virtual Special Public Events:** The 8th Annual Martin Luther King, Jr. Day of Service will take place in a virtual setting this January, followed by the 7th Annual Cesar Chavez Day of Remembrance in late-March.
- **2022 Air Quality Management Plan (AQMP):** South Coast AQMD will continue the development of the 2022 AQMP that will address the new federal ozone standard of 70 parts per billion. It will include a comprehensive analysis of air quality, emissions, and the impact of existing and new proposed control measures.
- **School Air Filtration:** South Coast AQMD will administer \$14 million install and maintain air filtration systems in schools. Schools will be considered within proximity to where air quality violations have occurred, as well as those in disadvantaged and environmental justice communities.
- **Low Cost Sensor Library Program:** Communities will have the opportunity to borrow and receive guidance on low cost air sensors for specific projects to look at air quality concerns and provide awareness and education.

# FLARE EVENT NOTIFICATION SYSTEM UPDATED TO INCLUDE NEW FEATURES

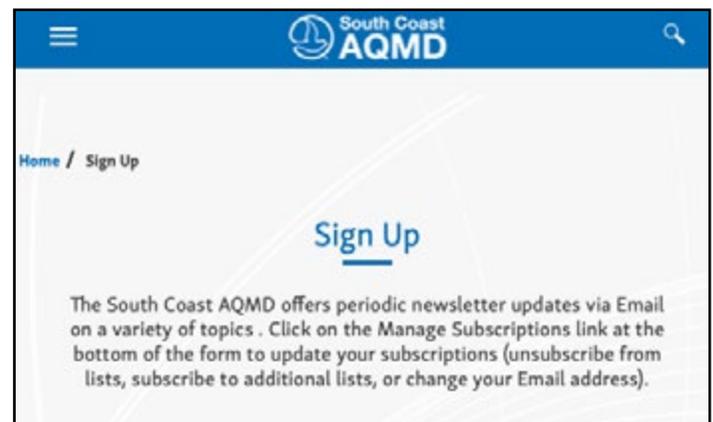
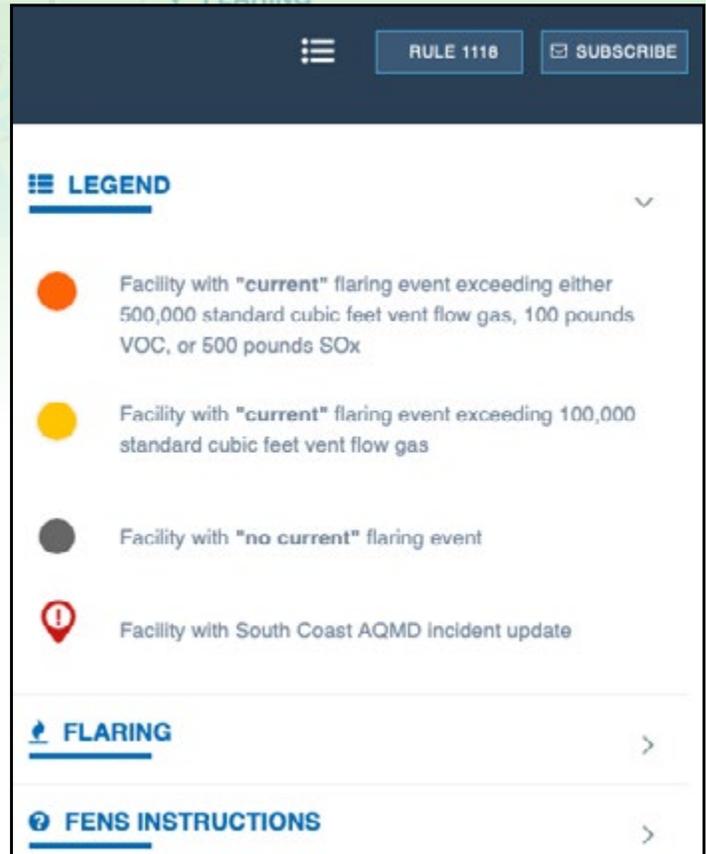
The Flare Event Notification System (FENS) has recently been updated to include new features on the regional refinery flare map including wind speed and direction and to list recent past events.



The FENS public portal now provides direct links to a specific refinery facility webpage where quarterly data and other information is available. The program has been modified so noticed events that did not occur are labeled appropriately and the estimated stop time for a flare event can be updated if schedules change. FENS lists flaring event notifications received in real-time, based on preliminary input from the facility and may be updated in the future by South Coast AQMD with additional comments regarding the flare event.

FENS provides information on flaring events at twelve facilities within Los Angeles County, including eight petroleum refining facilities, three hydrogen production plants, and one sulfur recovery plant which are subject to the requirements of South Coast AQMD's [Rule 1118 - Control of Emissions from Refinery Flares](#). Rule 1118 requires that each of the facilities submit notifications and reports, monitor emissions, meet emissions targets, and maintain a public inquiry hotline.

To view FENS, visit: <https://xappprod.aqmd.gov/FENS/public>. To sign up for notifications of refinery flaring events, visit: <http://www.aqmd.gov/sign-up>.



# CLEANAIR FURNACE PROGRAM RECEIVES ADDITIONAL FUNDING FOR REBATES TO CONSUMERS

South Coast AQMD's CLEANair Furnace Rebate Program is an incentive program that encourages consumers to choose a cleaner home heating product, with fewer air polluting emissions, when purchasing a natural-gas-fired, fan-type central furnace or replacing a furnace with a zero-emission heat pump system.

South Coast AQMD's Governing Board approved \$3.5 million in September

to increase rebate funding for the installation of some 14 ng/J natural gas furnaces installed in high altitude areas ( $\geq 4,200$  feet) or a weatherized furnace. The program also provides an even greater incentive for electric heat pumps. A minimum of 25 percent of the funding will be reserved for installations in disadvantaged and low-income communities as identified under SB535 and AB1550, respectively.

The rebate to consumers is \$500

per unit for 14 ng/J furnaces that meet specific criteria to \$1,500 per zero emission heat pump system replacement for the first 2,800 compliant furnaces that are purchased and installed. Applicants in single-family residences, multi-family properties, or small commercial buildings within South Coast AQMD's jurisdiction who purchase and install South Coast AQMD qualified gas-fired furnaces or electric heat pumps are eligible to apply.

Consumer Rebate	Limit for Rebate
\$500 rebate for 14 ng/J furnaces installed in high altitude areas ( $\geq 4,200$ feet)	200 units and no later than September 30, 2021
\$500 rebate for 14 ng/J weatherized furnaces	600 units and no later than September 30, 2021
\$1,500 rebate for zero emission heat pump systems (replacements only)	2,000 units or when funds depleted

Rebate applications will be accepted beginning October 6, 2020 for installations completed on and after September 4, 2020, and will be available on a first-come, first-served basis until all funds are depleted. For more information on models qualifying for the rebate, and how to apply, visit: <https://www.cleanairfurnacerebate.com/how-to-apply/>.



**CLEANair**  
FURNACE REBATE PROGRAM



## BREATHE BETTER AIR AND SAVE WITH NEW CLEANair REBATES

**\$500 - \$1,500 Rebates Now Available When You Install an Ultra-Low NOx Furnace or All-Electric Heat Pump System**

Reduce pollutants like nitrogen oxides (NOx) and save money in the process. For a limited time, you can collect a \$500 - \$1,500 rebate when you have an eligible Ultra-Low NOx Furnace or All-Electric Heat Pump System installed at home – with special rebate funds allocated to low-income and disadvantaged communities.

### FOLLOW THREE EASY STEPS:



#### 1. PURCHASE AND INSTALL

Your new Ultra-Low NOx Furnace or All-Electric Heat Pump System before funds run out



#### 2. APPLY FOR YOUR REBATE

You can apply for your rebate at [CleanAirFurnaceRebate.com](https://www.CleanAirFurnaceRebate.com)



#### 3. COLLECT YOUR REBATE

Receive \$500 - \$1,500 – while reducing pollutants and breathing cleaner air!

VISIT [CLEANAIRFURNACEREBATE.COM](https://www.CleanAirFurnaceRebate.com) TO LEARN MORE

# SOUTH COAST AQMD SPONSORS ACT VIRTUAL EDUCATION SERIES

For 10 years, the annual Advanced Clean Transportation (ACT) Expo has provided the public and clean transportation sector a hands-on peak into the future of clean fuels, vehicles and new technologies. Due to the COVID-19 pandemic, this year's conference has been postponed. However, a virtual alternative is reinventing the experience.

Participants are attending ACT Virtual, an online education series spotlighting the latest vehicle technology and fueling infrastructure innovations. The event began August 18 and runs through November 19. It features five different modules and 19 days of unique programming where participants can customize their experience.

The five modules include:

- The Main Stage
- Deep Dives on Battery Technology, Connected Tech, and Natural Gas
- Advanced Transportation Investor Summit
- Staying Plugged In: ACT's Annual EV Charging Workshop
- Ultra Clean HD Vehicle Summit

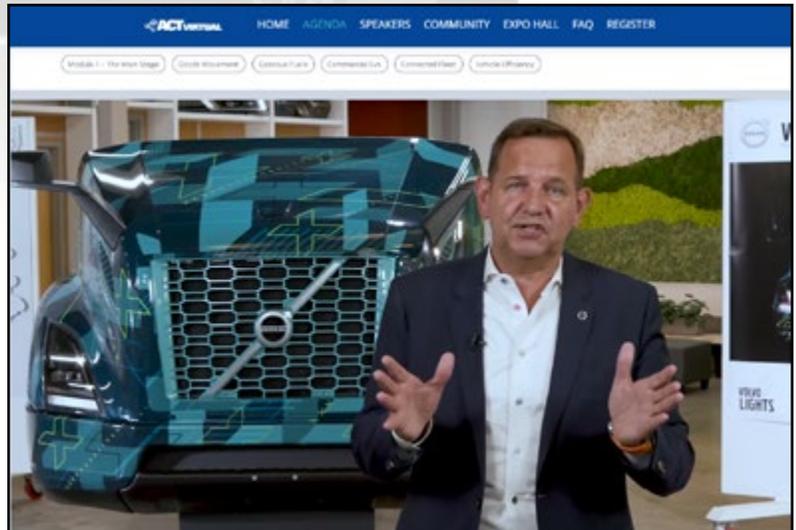
South Coast AQMD is a sponsor of the event and three speakers have already participated including Mayor and Governing Board Member Judy Mitchell who provided opening remarks on August 18, Governing Board Member Gideon Kracov who moderated a session on Battery Technology: Accelerating Second Life & Recycling, and South Coast AQMD Deputy Executive Officer Matt Miyasato who spoke on Eliminating Port Drayage Truck Emissions.

The next ACT Expo conference will take place in person on May 3-6, 2021 with the main expo occurring May 4-5, 2021. More information can be found at:

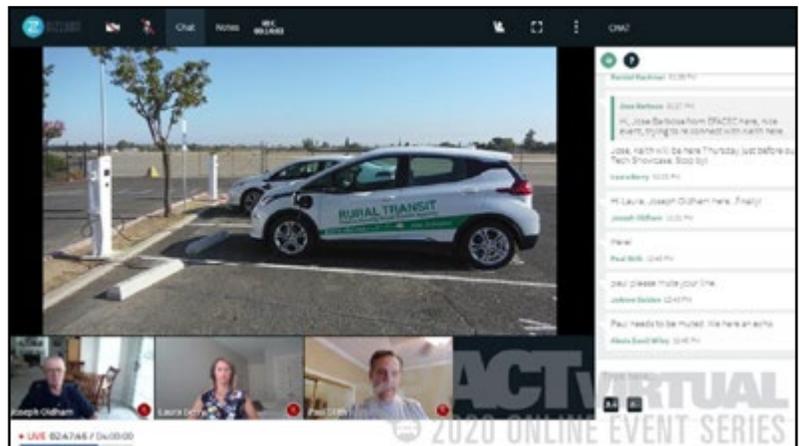
<https://www.actexpo.com/>.

For more details on ACT Virtual, please visit:

<https://www.act-virtual.com/>.



*ACT Virtual - Keynote presentation by Volvo Trucks North America President, Peter Voorhoeve on August 18th*



*ACT Virtual Conference*



*ACT Virtual Conference*

# SOUTH COAST AQMD EXPANDS K-12 EDUCATION PROGRAMS

At the September 4th meeting, South Coast AQMD's Governing Board approved the expansion of the K-12 education programs, Why Healthy Air Matters (WHAM) Program and Clean Air Program for Elementary Students (CAPES).

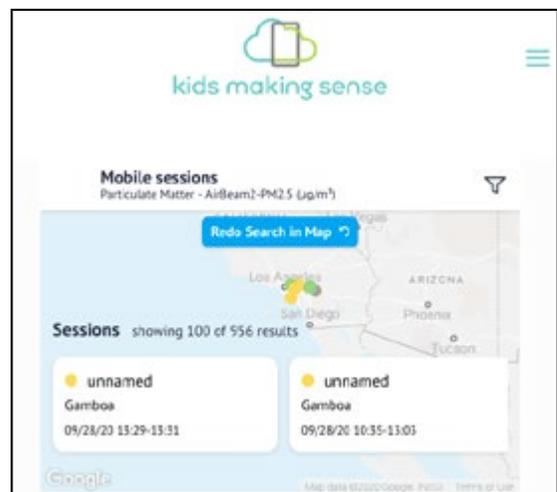
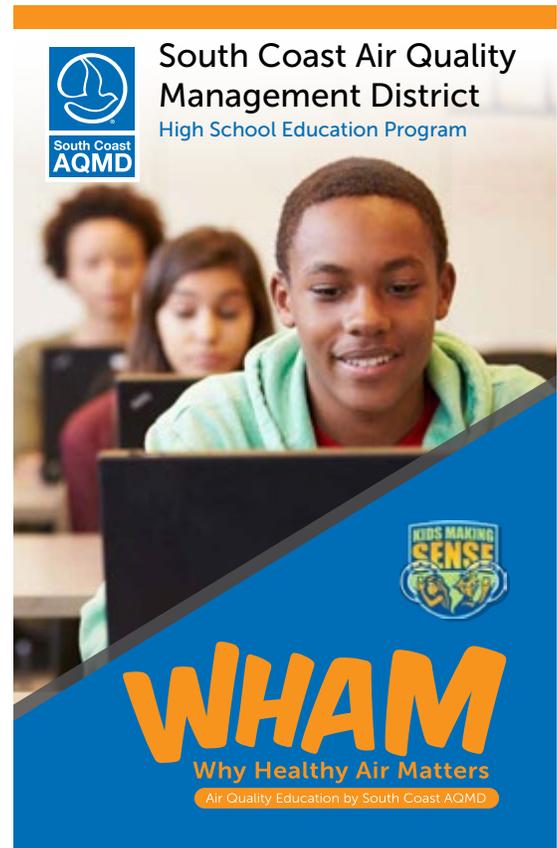
These dynamic programs are designed to build on the agency's long history of K-12 educational outreach to teachers and students in the region, especially within environmental justice communities.



The WHAM program is South Coast AQMD's middle school and high school education program. Students learn about air quality through an exciting, hands-on science, technology, engineering, and math (STEM) based curriculum. The curriculum features eight units that focuses on regulation, air chemistry, health effects of air pollution, air pollution sources, and reducing air pollution. The curriculum also teaches students how to get involved and the academic and career paths they can take to help clean the air.

The WHAM program will now be offered to 300 high school classrooms this academic school year, up from last year's 100 high schools. Additionally, WHAM will now be offered to 100 middle school classrooms. Due to COVID-19, South Coast AQMD quickly pivoted in March to adjust the curriculum for distance learning. Some of the planned improvements to WHAM include further options for distance and hybrid learning such as online workbooks, videos, and improved web content. A specialized curriculum also will be developed by an external expert to enhance the focus on South Coast AQMD, including key issues such as AB 617 and environmental justice, regional air quality, actions students and their families can take to clean the air, education and career opportunities related to air quality, and more.

For more information on the Why Healthy Air Matters program, contact Monika Kim at 909-396-2342 or [mkim@aqmd.gov](mailto:mkim@aqmd.gov).





The CAPES program is South Coast AQMD's elementary school science, technology, engineering, and math (STEM) educational program that focuses on engaging and educating teachers, students, and their families on air quality and the health effects of air pollution.

CAPES, formerly known as the Clean Air Ranger Education Program, was launched in 2019. In the pilot year, presentations were made at six elementary schools throughout South Coast AQMD's jurisdiction, reaching over 2,000 students. Interactive presentations were made at student assemblies that included an interactive dry ice experiment, examples of how students can help clean the air, information on zero-emission equipment, and instruction on how to read the Air Quality Index. Under the expanded program, presentations will be made to at least 20 schools per year, create educational videos, and work with a curriculum specialist to develop educational materials.

Under CAPES, a School Flag Program is also available for participating schools to display an air quality flag indicating the air quality conditions for the day. The flags are used as a tool to promote air quality monitoring as part of the daily school routine. Schools in environmental justice communities are prioritized for the program as they are the most impacted by air pollution.

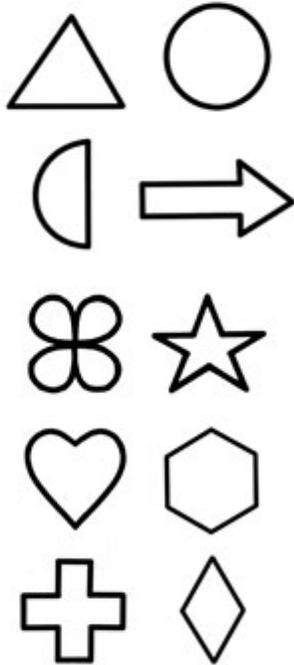
Due to the COVID-19 pandemic and after extensive research with school administrators and teachers, South Coast AQMD will be implementing CAPES virtually. A series of interactive online videos on air pollution, the Air Quality Index, science experiments, and careers in STEM are being developed to accommodate the shift to distance learning. The videos will help create awareness about the agency and air quality issues. The virtual format will allow teachers to have flexibility on how they incorporate

the material into their teaching plans. South Coast AQMD staff will be available to present to students upon request, either through virtual format or in person when the opportunity presents.

For more information on CAPES or to implement it in your school, contact Alicia Rodriguez at (909) 396-2311 or [EJCP@aqmd.gov](mailto:EJCP@aqmd.gov).



Find the shapes in the picture to the right, then color it in.



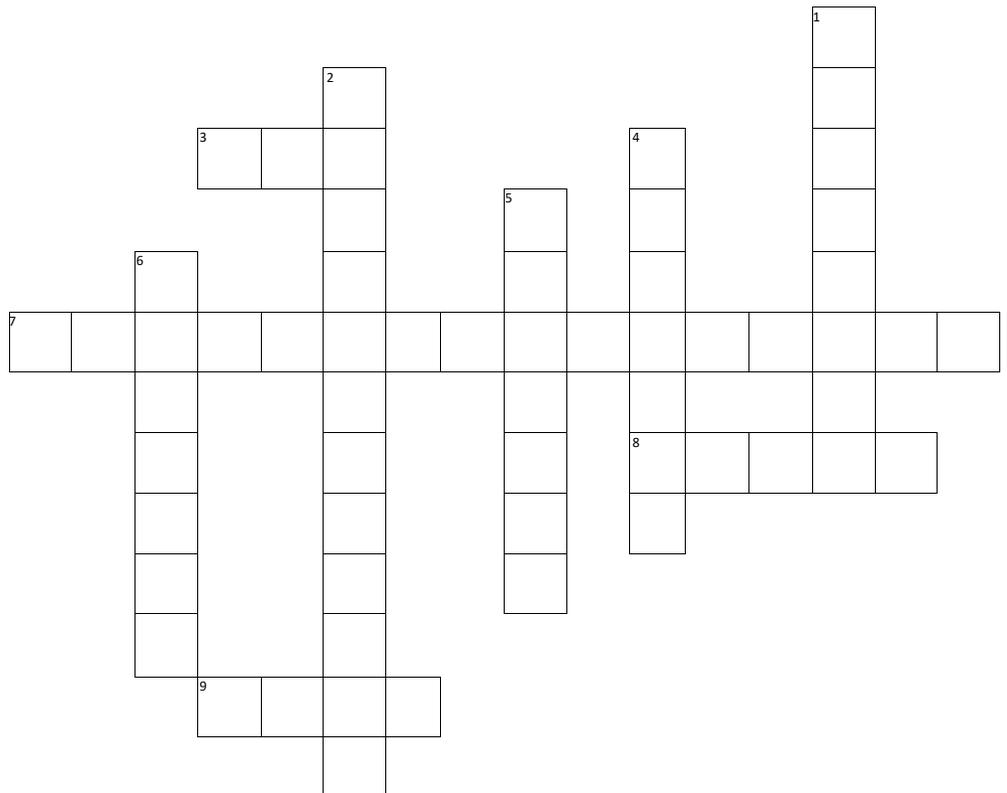
## AIR QUALITY CROSSWORD PUZZLE

### Across

3. A number that ranges from 0 to 500 that indicates how clean or polluted the air is.
7. A business or consumer product that consists of about 25% of the area's ozone-forming air pollution.
8. A toxic gas formed when several gaseous pollutants react in the presence of sunlight.
9. A combination of ozone and particulate matter that looks hazy on days with poor air quality.rules.
6. One simple way that we all can help reduce air pollution when using vehicles.

### Down

1. The younger group of people who are more sensitive to the health effects of air pollution.
2. A complex mixture of gases and small particles suspended in the air.
4. The number to call when reporting smoking vehicles or other air quality complains and concerns starting 1-800-\_\_\_\_\_.
5. Documents issued to businesses to ensure compliance with air quality rules.
6. One simple way that we all can help reduce air pollution when using vehicles.



Answers to all crossword puzzle clues can be found by reading South Coast AQMD's About (<http://www.aqmd.gov/nav/about>) or Air Quality (<http://www.aqmd.gov/home/air-quality>) webpages.

**NOTE:** To maintain social distancing while integrating public participation in the rulemaking process, staff will be connecting with stakeholders using tele- and videoconferencing. Also, staff will increase the review time of Working Group materials to allow stakeholders additional time to prepare for meetings and better facilitate participation. Lastly, Working Group Meetings will be structured to be shorter in duration to better accommodate the tele- and video-conferencing format. The goal is to move forward with critical and legally required rulemaking activities without sacrificing full public participation.

# RULE UPDATE

The following proposed amended rules and regulations are tentatively scheduled for hearings at upcoming Governing Board meetings. To verify whether scheduling changes have occurred, visit South Coast AQMD's website at [www.aqmd.gov/home/meeting-agendas-minutes](http://www.aqmd.gov/home/meeting-agendas-minutes), check the Rule 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.

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

## NOVEMBER

### **Rule 1178: Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities**

Will establish provisions for external floating roof tanks that exceed vapor pressure limits.

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

## DECEMBER

### **Rule 1146: Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters**

Proposed amendments to Rule 1146 are needed to remove the ammonia slip limit in the rule which is currently addressed under Regulation XIII New Source Review.

Contact: Michael Krause at [mkrause@aqmd.gov](mailto:mkrause@aqmd.gov) or (909) 396-2706.

### **Regulation XIII – New Source Review, Regulation XX – RECLAIM, and Regulation XXX – Title V**

Proposed Amended Regulations XIII, XX, and XXX are being moved from 2020 To-Be-Determined to December 2020. Amendments are needed to revise the thresholds for VOC and NOx Major Polluting Facility and Major Modifications for New Source Review, RECLAIM New Source Review, and Title V Permitting to address the re-classification of Coachella Valley from Severe to Extreme non-attainment with the federal 1997 8-hour ozone standard.

Contact: Jillian Wong at [jwong1@aqmd.gov](mailto:jwong1@aqmd.gov) or (909) 396-3176.

# 2021 COMPLIANCE DEADLINES

The following is a reminder of upcoming South Coast AQMD compliance deadlines. New rules and regulations may be adopted, and current rules may be amended or rescinded throughout the year. Such decisions may impact your business. For the most current rule information, check South Coast AQMD's Rule Book on the web at [www.aqmd.gov/home/rules-compliance/rules/guide-to-aqmd-rules](http://www.aqmd.gov/home/rules-compliance/rules/guide-to-aqmd-rules) or call 1-800-CUT-SMOG.

### **Rule 1100 Implementation Schedules for NOX Facilities**

Rule 1100 establishes an Implementation schedule for RECLAIM and former RECLAIM facilities that are transitioning to a command-and-control regulatory structure.

- Facilities subject to Rule 1110.2 with stationary engines that before November 1, 2019 do not meet the NOx concentration limit shall submit a permit application for each engine by July 1, 2021.
- Facility units under Rule 1146 or Rule 1146.1 shall meet the applicable NOx concentration limit for a minimum of 75% of their cumulative total rated heat input capacity of all units at the facility no later than January 1, 2021.
- Compressor gas lean-burn engines not being retrofitted shall submit a detailed retirement plan no later than July 1, 2021.
- Facilities subject to Rule 1110.2 with a compressor gas lean-burn engine that elects to reduce NOx emissions to meet the emission limits specified in Rule 1110.2 shall submit a Facility-Wide Engine Modernization Compliance Plan by January 1, 2021.
- Facilities with any Rule 1146 or Rule 1146.1 unit shall meet the applicable NOx concentration limit for a minimum of 75% of the cumulative total rated heat input capacity of all Rule 1146 and Rule 1146.1 units at the facility by January 1, 2021.

For more information, see South Coast AQMD Rule 1100: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1100.pdf>

### **Thermal Fluid Heaters**

Thermal fluid heaters at non-RECLAIM facilities with a NOx emission limit greater than 20 ppm shall meet the applicable NOx emission limit in Table 1146-1 for thermal fluid heaters by January 1, 2022.

For more information, see South Coast AQMD Rule 1146: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1146.pdf>

### **Manufacturers/Suppliers/Installers of Mobile Home Furnaces**

Any manufacturer of fan-type central furnaces regulated by Rule 1111 may elect to pay a per unit mitigation fee in lieu of meeting the 14 nanogram/Joule NOx emission limit. The Phase Two mitigation fee option available to manufacturers of mobile home furnaces ends on September 30, 2021.

For more information, see South Coast AQMD Rule 1111: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1111.pdf>

### **NOX Emissions from Commercial Food Ovens**

In-use ovens heated solely by indirect-fired radiant tubes manufactured prior to 2002 must submit a permit application by October 1, 2021 and must meet the applicable emission limits specified on Table 1 of Rule 1153.1 by July 1, 2022.

For more information, see South Coast AQMD Rule 1153.1: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/rule-1153-1-emissions-of-oxides-of-nitrogen-from-commercial-food-ovens.pdf>

### **Emission Standards for Lead Facilities**

Beginning January 1, 2021, lead processing or metal melting facilities shall not discharge emissions into the atmosphere, which contribute to ambient air concentrations of lead that exceed 0.100 µg/m<sup>3</sup> averaged over 30 consecutive days.

For more information, see South Coast AQMD Rule 1420: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1420.pdf>

### **PERC Dry Cleaning Facilities**

By January 1, 2021, all PERC dry cleaning equipment operating within South Coast AQMD must be removed from service by physically removing the machine, or by disconnecting utilities (electric, steam lines) to the machine and draining all PERC from the machine tanks.

For more information, see South Coast AQMD Rule 1421: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1421.pdf>

# Advisor

This bimonthly news publication is produced by South Coast Air Quality Management District's Legislative, Public Affairs and Media Office. South Coast AQMD is the air pollution control agency for Orange County and major portions of Los Angeles, San Bernardino and Riverside counties. *South Coast AQMD does not endorse nor warrant any products, services or companies mentioned in this publication.*

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