



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

LOCAL GOVERNMENT & SMALL BUSINESS ASSISTANCE ADVISORY GROUP MEETING

Advisory Group Members

Mayor Pro Tempore Ben Benoit, LGSBA Chairman (Board Member)
Supervisor Janice Rutherford (Board Member)
Felipe Aguirre
Mayor Rachelle Arizmendi, City of Sierra Madre
Paul Avila, P.B.A. & Associates
Geoffrey Blake, Metal Finishers of Southern California
Todd Campbell, Clean Energy
LaVaughn Daniel, DancoEN
John DeWitt, JE DeWitt, Inc.
Bill LaMarr, California Small Business Alliance
Rita Loof, RadTech International
Eddie Marquez, Roofing Contractors Association
David Rothbart, Los Angeles County Sanitation Districts

Friday, January 15, 2021 ♦ 11:30 a.m.

Pursuant to Governor Newsom's Executive Orders N-25-20 (March 12, 2020) and N-29-20 (March 17, 2020), the South Coast AQMD Local Government & Small Business Advisory Group meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the meeting remotely.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA

Join Zoom Webinar Meeting – from PC or Laptop
<https://scaqmd.zoom.us/j/92459924491>

Zoom Webinar ID: 924 5992 4491 (applies to all)

Teleconference Dial In
+1 669 900 6833

One tap mobile
+16699006833, 92459924491#

Audience will be allowed to provide public comment through telephone or Zoom connection during public comment period.

PUBLIC COMMENT WILL STILL BE TAKEN

AGENDA

Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54954.3(a)). All agendas for regular meetings are posted at South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes each.

CALL TO ORDER

ACTION ITEMS (Items 1 through 4):

1. Call to Order/Opening Remarks
(No Motion Required) *Council Member Ben Benoit
Committee Chair*

2. Approval of December 11, 2020 Meeting Minutes
(Motion Required)
[Attachment 1] *Council Member Ben Benoit
Committee Chair*

3. Review of Follow-Up/Action Items
(No Motion Required)
Staff will review the follow-up/action items identified in the previous meeting. *Derrick J. Alatorre
Deputy Executive Officer
Legislative, Public Affairs &
Media*

4. Adoption of LGSBA Group 2020 Accomplishments/2021 Goals & Objectives
(Motion Required)
LGSBA members will vote for approval of the LGSBA 2020 Accomplishments/2021 Goals & Objectives.
[Attachment 2] *Derrick J. Alatorre
Deputy Executive Officer
Legislative, Public Affairs &
Media*

DISCUSSION ITEMS (Items 5 through 6):

5. Air Quality in 2020: Smog, Wildfire Smoke and Emission Changes from the COVID-19 Response
Staff will provide information on the anomalous air quality measurements and evidence for the factors influencing poor air quality in 2020.
(No Motion Required)
[Attachment 3] *Scott Epstein, Ph.D.
Program Supervisor
Planning, Rule Development &
Area Sources*

6. Update on South Coast AQMD Incentive Programs
Staff will present an update on South Coast AQMD incentive programs.
(No Motion Required)
[Attachment 4] *Vicki White
Technology Implementation
Manager
Science & Technology
Advancement*

WRITTEN REPORT:

7. Monthly Report on Small Business Assistance Activities *All*
Summary of assistance and outreach activities conducted by South Coast AQMD's Small Business Assistance Office for December 2020.
(No Motion Required)
[Attachment 5]

OTHER MATTERS:

8. Other Business
Any member of this body, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Gov't. Code Section 54954.2)
9. Public Comment Period
At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the Local Government and Small Business Assistance Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.
10. **Next Meeting Date** - Friday, February 12, 2021 at 11:30 a.m.

ADJOURNMENT

Document Availability

All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the agenda is posted, are available by contacting Elaine Hills at (909) 396-2945 or send the request to ehills@aqmd.gov.

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the Local Government and Small Business Assistance Advisory Group meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the South Coast AQMD. Please contact Elaine Hills at (909) 396-2945 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to ehills@aqmd.gov.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

Instructions for Participating in a Virtual Meeting as an Attendee

As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.

Before joining the call, please silence your other communication devices such as your cell or desk phone. This will prevent any feedback or interruptions during the meeting.

Please note: During the meeting, all participants will be placed on Mute by the host. You will not be able to mute or unmute your lines manually.

After each agenda item, the Chair will announce public comment.

A countdown timer will be displayed on the screen for each public comment. If interpretation is needed, more time will be allotted.

Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.

Directions for Video ZOOM on a DESKTOP/LAPTOP:

- If you would like to make a public comment, please click on the “**Participants**” button on the bottom of the screen.
- A list of participants will appear on the right side of the screen. At the bottom of the list, please click on the grey “**Raise Hand**” button.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for Video Zoom on a SMARTPHONE:

- If you would like to make a public comment, please click on the “**Participants**” button on the bottom of your screen.
- A new screen will pop up with the list of participants. Look for the “**Raise Hand**” button on the screen and click the button.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for TELEPHONE line only:

- If you would like to make public comment, please **dial *9** on your keypad to signal that you would like to comment



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DRAFT

LOCAL GOVERNMENT & SMALL BUSINESS ASSISTANCE ADVISORY GROUP FRIDAY, DECEMBER 11, 2020 MEETING MINUTES

MEMBERS PRESENT:

Council Member Ben Benoit, LGSBA Chairman (Board Member)
Supervisor Janice Rutherford (Board Member)
Felipe Aguirre
Mayor Rachele Arizmendi, City of Sierra Madre
Paul Avila, P.B.A. & Associates
Geoffrey Blake, Metal Finishers of Southern California
Todd Campbell, Clean Energy
LaVaughn Daniel, DancoEN
John DeWitt, JE DeWitt, Inc.
Bill LaMarr, California Small Business Alliance
Rita Loof, RadTech International
Eddie Marquez, Roofing Contractors Association
David Rothbart, Los Angeles County Sanitation District

OTHERS PRESENT:

Mark Abramowitz
Heather Bolstad, Office of Environmental Health Hazard Assessment
David Edwards, California Air Resources Board
John Faust, Office of Environmental Health Hazard Assessment
Thomas Gross, Board Member Consultant (*Benoit*)
Rachel Hirani, Office of Environmental Health Hazard Assessment
Dan McGivney, SoCal Gas
Debra Mendelsohn, Board Member Consultant (*Rutherford*)
Gabe Ruiz, California Air Resources Board
Mark Taylor, Board Member Consultant (*Rutherford*)
Janet Whittick

SOUTH COAST AQMD STAFF:

Derrick Alatorre, Deputy Executive Officer
Daphne Hsu, Senior Deputy District Counsel
Mark Henninger, Information Technology Manager
Lisa Tanaka O'Malley, Senior Public Affairs Manager
Anthony Tang, Information Technology Supervisor
Van Doan, Air Quality Specialist
Elaine-Joy Hills, Air Quality Specialist
Paul Wright, Senior Information Technology Specialist

Agenda Item #1 - Call to Order/Opening Remarks

Chair Ben Benoit called the meeting to order at 11:30 a.m.

Mr. Derrick Alatorre provided guidelines and general instructions for participation in the remote meeting for the Local Government & Small Business Assistance Advisory Group (LGSBA) meeting via Zoom webinar and teleconference.

Agenda Item #2 – Approval of November 13, 2020 Meeting Minutes/Review of Follow-Up/Action Items

Chair Benoit called for approval of the November 13, 2020 meeting minutes. The minutes were approved unanimously.

Agenda Item #3 – Review of Follow Up/Action Items

No follow-up or action items.

Agenda Item #4 – Addressing Unassessed Chemicals in California

Dr. John Faust, Branch Chief for the Division of Scientific Programs, and Dr. Heather Bolstad, Toxicologist at the Office of Environmental Health Hazard Assessment (OEHHHA), provided information on addressing unassessed chemicals and information on provisional health guidance values.

Ms. Rita Loof indicated that a meeting in October was mentioned and asked if additional meetings will be held to discuss this topic. Dr. Faust replied yes; it is expected to be a public process and the Lost Hills community health risk assessment will be presented to the community and available for public comment statewide.

Mr. John DeWitt asked how the data used will be accumulated. Dr. Bolstad replied that the health guidance values (HGVs) have been identified from various entities, including federal government agencies, occupational health bodies and international agencies, and the general quality and confidence of the values were based on how they were derived. Mr. DeWitt asked if data will be accumulated from the Lost Hills community. Dr. Bolstad replied that it is not part of this study, which includes air measurements and health risk predictions; however, a previous study was done and included surveys of the community. Mr. DeWitt inquired if the projections will be based on things other than what is going on in the Lost Hills community. Dr. Bolstad replied yes, but the HGVs used are from actual health effects data based on studies on exposure to humans and animals, intentionally or unintentionally. Specific incidents of certain health impacts in the Lost Hills community will not be used as part of this study and the town is too small for an epidemiological study.

Mr. David Rothbart expressed concern for the use of structural analogs that are likely to exaggerate the potential risks and how that will be used in the Assembly Bill (AB) 2588 program, which requires reporting of more than 12,000 compounds. Mr. Rothbart asked how OEHHHA would propose reasonable estimates for so many compounds, considering that more compounds means being more conservative and are more likely to artificially exceed the threshold, where facilities will be required to achieve risk reductions. Dr. Faust replied that structural analogs are reviewed carefully, and the values are put in different compound classes. These are analyzed from a scientific perspective and does not apply additional uncertainty. As for the gap in the values for additional compounds added to the inventory, Mr. Gabe Ruiz from California Air Resources Board (CARB) will discuss that in the next presentation on AB 2588. OEHHHA is developing a methodology that could be applied to additional compounds that are not in the Study of Neighborhood Air Near Petroleum Sources (SNAPS) program; it is a mechanism

constructed to fold in additional values for other compounds. Mr. Rothbart indicated that according to CARB, provisional values would not be used to calculate facility health risk, but only for informational purposes; however, it appears that provisional values were used in the health risks presented. Dr. Faust distinguished SNAPS and AB 2588 programs and clarified that the SNAPS program involves an effort to understand the chemicals measured in the air in the Lost Hills community and the decision context is not about determination of what facilities are required to do. Dr. Faust deferred to the next presentation on how CARB plans to use the provisional values in the AB 2588 context. Mr. David Edwards from CARB indicated that the questions may be addressed by Mr. Gabe Ruiz in the next presentation.

Mr. Bill LaMarr indicated that according to decision tree slides, if the HGV for a chemical analog is unknown, OEHHHA will find other data as a substitute or a surrogate. Mr. LaMarr expressed concern that the Emission Inventory Criteria and Guidelines (EICG) includes many new compounds with unknown risk factors. Mr. LaMarr asked how many chemicals are included in OEHHHA's regulations for oil production wells and what the timeline for the study is. Dr. Faust clarified that the SNAPS program is an investigation and not a regulation, and the purpose is to understand what chemicals are present in the air in the communities near oil and gas production sources. The current study was designed based on prior experience with the chemicals that were detected in other communities of this type, including approximately 200 chemicals. Mr. LaMarr expressed concern that if the results of this study were publicly available, it may cause fear since it was based on assumptions. Dr. Bolstad clarified that assumptions are not made for the surrogate approach as there is a similarity threshold of 0.8 in the software used, where 1 means identical. Only analog values from authoritative bodies for similar compounds are used. If there isn't a ranked value from one of the analogs, there isn't a value in the methodology used in SNAPS. The draft risk assessment will be available for public comment early next year. Mr. LaMarr asked about the Baldwin Hills community. Dr. Bolstad replied that monitoring should begin next year, they have already been in the site selection process and received public comment.

Ms. Loof indicated that this is a new methodology and chemicals with similar structures may not behave in the same way. Ms. Loof expressed concern about how it would affect the implementation of CARB's regulations. Dr. Bolstad replied that the use of structural surrogates has recently been referred to by new names, but it has been used for over 50 years. Not all surrogates have been tested and many assessments and regulations are based on similarities. It is a well-founded toxicological principle that structurally similar compounds exhibit similar toxicity.

Mr. Todd Campbell indicated that there are two sites now and asked if other sites will be included in the future. Dr. Bolstad replied that the plan for SNAPS is to conduct community monitoring for one year and complete a risk assessment for that community. The goal is to alternate between the Central Valley and Los Angeles area. The third community will be McKittrick and Derby Acres near Bakersfield, then South Los Angeles/Jefferson community. Mr. Campbell asked if additional studies will be conducted in other communities or the assessments will be based on data extrapolated from these studies. Dr. Bolstad replied that the studies will be useful for extrapolating as existing studies are in different regions, where the geology and practices are different. Mr. Campbell expressed appreciation for the studies.

Mr. Rothbart asked if the use of structural analogs has been validated. Dr. Bolstad replied that it is a well-founded principle and used by the United State Environmental Protection Agency (USEPA) to develop regulatory values. Mr. Rothbart expressed concern for unintended consequences for using this approach for thousands of compounds.

Agenda Item #5 – Using Provisional Health Values

Mr. Gabe Ruiz, Manager of the Air Toxics and Special Projects Section at the California Air Resources Board (CARB), presented on the anticipated use of provisional health values to support the AB 2588 Air Toxics “Hot Spots” program.

Mr. Rothbart indicated that the provisional values would be used to estimate risk in some programs and expressed concern for consistency. Mr. Ruiz explained that the health risk assessment under AB 2588, as defined in the statute, requires the use of OEHHA’s approved values. This exercise is to obtain information on new chemicals and intended to help prioritize chemicals needing further review and for OEHHA to develop official health values. It would take some changes in state law to use any other values not fully vetted by OEHHA and the Scientific Review Panel (SRP).

Ms. Loof asked for clarification on non-regulatory provisional health values. Mr. Ruiz explained that AB 2588 says that the local air districts are responsible for implementing the program and CARB is responsible for developing the emissions inventory reporting guidelines. The local air districts prioritize and determine which facilities are exempt from reporting requirements and which facilities need to be included. CARB adds chemicals that need to be considered and quantified, and the local air districts use the provisional health values to determine exemption. Currently, the chemicals with provisional health values only need to be reported; however, once OEHHA develops official health values for those, then the facility would need to move into the next steps, which are prioritization and risk assessments.

Agenda Item #6 – Approval of Local Government & Small Business Assistance Advisory Group 2020 Accomplishments and 2021 Goals & Objectives

Mr. Alatorre presented and requested approval of the 2020 Accomplishments and for items to be included in the 2021 Goals & Objectives.

Ms. Loof commented on Proposed 2021 Goals & Objectives #10 – Update on Rule 219 and indicated that it is available now as the printing industry is using a hybrid system in which a portion of the existing operation is being converted to ultraviolet (UV) and achieving emissions reductions. However, due to the connection of the operation to a solvent system, the printing industry are excluded from the permitting exemption. Ms. Loof requested a report, similar to the Small Business Assistance Report format, including the number of UV and electron beam (EB) facilities required to apply for permits since the last Rule 219 amendment. Mr. Alatorre suggested that staff sends the requested report to the Advisory Group members instead of a presentation. Ms. Loof agreed, but expressed concern for the Brown Act compliance. Mr. Alatorre stated that it is similar to a typical information request and is included as an action item, which staff responds by providing the information to the members; however, he will confirm with staff from Legal department.

Action Item #1: Confirm with staff if providing requested reports to Advisory Group is acceptable. If so, provide information regarding number of permits issued for UV and EB equipment, as well as policy memos, if available.

Ms. Loof thanked Chair Benoit for representing LGSBA at the Administrative Committee and suggested to add a goal to have one member of this Advisory Group to annually present the group’s accomplishments to the Administrative Committee. Chair Benoit stated that he is on the Administrative Committee and represents the group. Ms. Loof agreed and expressed support for Chair Benoit’s representation.

Ms. Loof mentioned EICG, Criteria Pollutant and Toxics Emissions Reporting (CTR), and CARB's activities and indicated South Coast AQMD is providing comments on these regulations. Ms. Loof asked Mr. Rothbart if it would be helpful to support South Coast AQMD by submitting a recommendation or position letter from this Advisory Group. Ms. Daphne Hsu stated that the topic could be agendaized and the Advisory Group could then discuss what to provide comment on. Mr. Alatorre recalled Ms. Nancy Feldman stating that the Advisory Group cannot submit a support letter for an item, but could do so as individuals. Ms. Elaine Hills indicated that the LGSBA charter was revised to allow for the Advisory Group to provide comment as a group. Mr. Alatorre stated that staff will confirm the details and send an email to the Advisory Group members. Ms. Hsu indicated that it could also depend on how the letter is drafted and what information is included. Chair Benoit stated that the issue raised by Mr. Rothbart could be agendaized and discussed. Mr. Rothbart suggested to have a discussion with staff on this issue at a future meeting.

***Action Item #2:** Clarify procedures for the advisory group to provide support for items and provide updated LGSBA Charter.*

Chair Benoit and Mr. LaMarr discussed the Home Rule Committee.

Mr. LaMarr expressed support for Proposed 2021 Goals & Objectives #1 and proposed to add a presentation on the Compliance & Enforcement programs and policies, including inspections, fines, and notices on the Facility Information Detail (FIND) tool. Mr. LaMarr also proposed to add a presentation to provide an update next year on the two presentations by OEHHA and CARB.

Ms. Loof expressed support for Mr. LaMarr's proposals and requested that policy memos also be added to her request regarding the number of permits issued for UV and EB equipment.

Mr. Rothbart proposed to add a presentation regarding updates on USEPA's Emissions During Periods of Startup, Shutdown, & Malfunction (SSM) provisions.

Agenda Item #7 – Monthly Report on Small Business Assistance Activities

No comments.

Agenda Item #8 - Other Business

No other business.

Agenda Item #9 - Public Comment

No comments.

Agenda Item #10 – Next Meeting Date

The next regular Local Government & Small Business Assistance Advisory Group meeting is scheduled for Friday, January 15, 2021 at 11:30 a.m.

Adjournment

The meeting adjourned at 12:57 p.m.

Local Government & Small Business Assistance Advisory Group

2020 Accomplishments

Throughout the year, the Local Government & Small Business Assistance (LGSBA) Advisory Group receives information and/or provides direct input on a variety of policy initiatives and proposed regulations that affect local governments, small businesses, and the general public. Such input is of particular value to the staff and Governing Board members in the process of developing such items and approving them, respectively.

Where appropriate, new additions and/or revisions were made by staff to improve proposals or policies, based on LGSBA members' input. A wide variety of comments were received on each of these items from LGSBA members representing local governments, small businesses, and the communities in general. Further details may be found in the minutes of meetings where each item was discussed in depth.

Significant Items Addressed in 2020

Significant discussions were held during 2020 on many items. A few notable items that were addressed during 2020 are summarized below, while an additional list of topics discussed follows.

(1) Update on Proposed Rule 2305 – Facility-Based Mobile Source Measures

Mr. Ian MacMillan provided an update on the development of proposed Rule 2305 – Facility-Based Mobile Source Measures. The California Air Resources Board (CARB) is considering regulations on truck manufacturers and truck fleets and the Environmental Protection Agency (EPA) is also looking at truck manufacturers. The indirect source rule (ISR) targets the destination and how to set up an ecosystem of clean technology, including options for creating the infrastructure. Many businesses are taking steps to comply on their own; however, the challenge is to get others to help develop this ecosystem to improve the air quality.

(2) Emissions Reductions and Air Quality Impacts from COVID-19 Pandemic Response

Dr. Scott Epstein provided information on data using various indicators to estimate the changes in emissions and the impacts on regional air quality. There are 17 million people living in the South Coast Air Basin (SCAB) contributing to the high level of emissions, particularly from fossil fuel combustion for transportation of people and goods. Furthermore, the SCAB is surrounded by mountains and prevailing wind from the coast pushes emissions inland and traps them there. Dr. Epstein indicated that experiments are valuable for validating models and the regional modeling group is working with California Air Resources Board (CARB) on a coronavirus disease (COVID) response emissions inventory and models.

(3) Getting to Know the Hearing Board

Chair Julie Prussack provided an overview of the South Coast AQMD's Hearing Board. Hearing Board members are appointed by, but act independently of, the South Coast AQMD Governing Board, as required by state law. The Hearing Board is a quasi-judicial panel authorized to provide relief from South Coast AQMD regulations under certain circumstances.

(4) Overview of California Air Pollution Control Officers Association (CAPCOA)

The Executive Director of CAPCOA, Mr. Tung Le, provided an overview of the Association's current priorities. Mr. Le indicated that CAPCOA's role is to coordinate communication with the air districts in California. CAPCOA coordinates communication and relaying concerns, ideas, and work between air districts, CARB, and stakeholders. Cooperation and communication are key to ensure that regulations are implemented as smoothly and gracefully as possible.

List of Items Addressed in 2020

A more complete list of items addressed during 2020 is shown below, with the dates of discussions noted in parenthesis, for reference and further details.

1. Monthly Report on Small Business Assistance Activities (monthly)
2. Updates on Best Available Control Technology (BACT) Guidelines (January)
3. Overview on Outreach Efforts for Implementation of Rule 1147 – NO_x Reductions from Miscellaneous Sources (January)
4. Information on Available Clean Air Vehicles (February)
5. Updates on 2016 Air Quality Management Plan (February)
6. Update on Proposed Rule 2305 – Facility-Based Mobile Source Measures (May)
7. Updates on State and Federal Legislation (May)
8. Summary of Recent Studies of Air Pollution & Health Effects (June)
9. Fiscal Year 2020-2021 General Fund Budget and Fee Adjustment (June)
10. Emission Reductions and Air Quality Impacts from COVID-19 Pandemic Response (August)
11. Environmental Justice Updates (August)
12. Budget and Economic Outlook Update (September)
13. Getting to Know the Hearing Board (September)
14. Overview of Amended Rule 1407: Control of Emissions of Arsenic, Cadmium and Nickel from Non-Chromium Metal Melting Operations (September)
15. Overview of California Air Pollution Control Officers Association (CAPCOA) Priorities (October)
16. Coachella Valley Extreme Area Plan for 1997 8-Hour Ozone Standard (October)
17. Update on the Development and Implementation of Assembly Bill 617 Community Plans (October)
18. Updates on the Implementation of Assembly Bill (AB) 2766 Requirements (November)
19. Status Updates on Pending Application Dashboard and Permit Backlog Reduction (November)
20. Addressing Unassessed Chemicals in California (December)
21. Using Provisional Health Values (December)

Local Government & Small Business Assistance Advisory Group

Proposed 2021 Goals & Objectives

For 2021, the LGSBA Advisory Group will provide input about regulatory policies and practices and suggest enhancements to promote small business economic growth while furthering air quality and public health protection, consistent with the LGSBA Advisory Group mission statement.

The following items are proposed to be discussed in depth for 2021:

1. Air Quality Management Plan (AQMP):
 - a. Updates on the 2016 AQMP and development of the 2022 AQMP
 - b. Information on the progress in meeting the 2023 attainment deadline
2. Implementation of Assembly Bill (AB) 2766 requirements.
3. Significant South Coast AQMD rule proposals or initiatives as necessary.
4. Status update on South Coast AQMD's state and federal legislative agenda at periodic intervals.
5. Status update on the health studies related to air pollutants.
6. Update on FY 2021-22 Draft Budget and Work Program.
7. Update on Clean Fuels Program.
8. Status update on Technology Advancement projects.
9. Update on Greenhouse Gas-related activities.
10. Update on Rule 219, if available.
11. Updates on South Coast AQMD's Incentive programs.
12. Updates on South Coast AQMD's implementation of Office of Environmental Health Hazard Assessment's (OEHHA's) updated methods for estimating cancer risks.
13. Updates on proposed rule amendments for 2021.
14. Update on Best Available Control Technology Guidelines.
15. Status update on permit backlog reduction.
16. Update on AB 617 progress.
17. Update on MATES V.
18. Compliance & Enforcement programs and policies, including inspections, fines, and notices on the Facility Information Detail (FIND) online tool.

19. Update on OEHHA's and California Air Resources Board's (CARB's) presentations on addressing unassessed chemicals and using provisional health values.
20. Discussion on submittal of letter of recommendation(s) to support South Coast AQMD's positions, comments or testimonies, if applicable.
21. U.S. Environmental Protection Agency's Emissions During Periods of Startup, Shutdown, & Malfunction (SSM) provisions.



The approved minutes, reflecting the discussions, will be forwarded to the Administrative Committee and the Governing Board. Not all items may be covered due to time constraints. The LGSBA Chair may also make further changes to accommodate requests received or cover issues not anticipated at the beginning of the year.



1

Presentation Outline

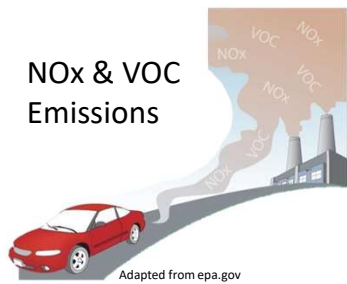
- 2020 ozone data and trends
- Unique meteorology in 2020
- Unique emissions in 2020
- 2020 PM2.5 data
- Policy Implications

A vertical navigation bar on the right side of the slide, consisting of five colored segments: yellow (Ozone Data and Trends), green (Meteorology), blue (Emissions), orange (PM2.5 Data and Trends), and purple (Policy Implications).A small version of the South Coast AQMD logo in the bottom left corner of the slide content area.

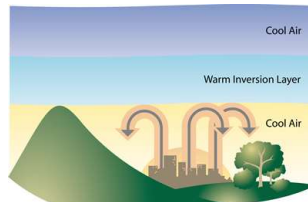
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2

Factors Influencing Ozone Levels

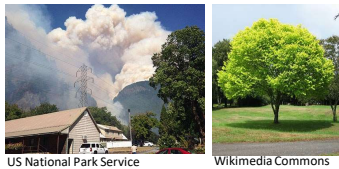


Mixing and Ventilation

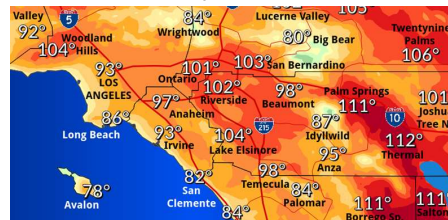


<https://sparetheairof.weebly.com/inversions.html>

Season



Temperature



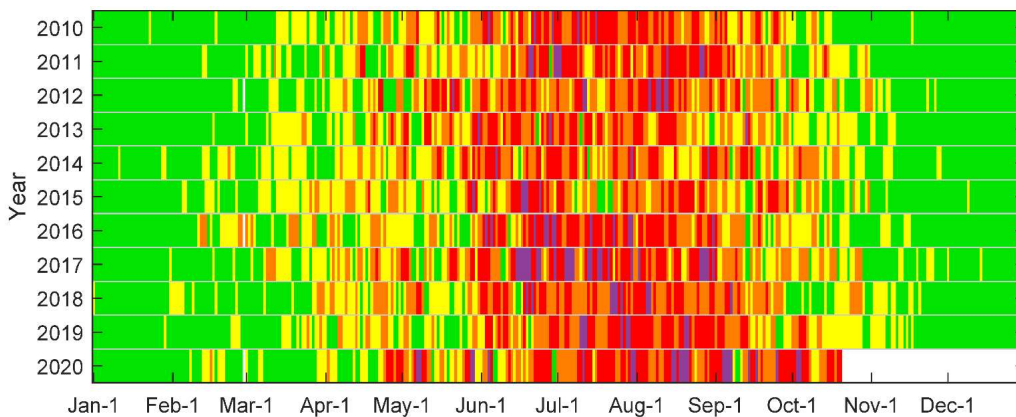
National Weather Service San Diego Office



3

Ozone Data and Trends
Meteorology
PM2.5 Data and Trends
Policy Implications

2020 Ozone Air Quality Unlike Previous Years



AQI color key

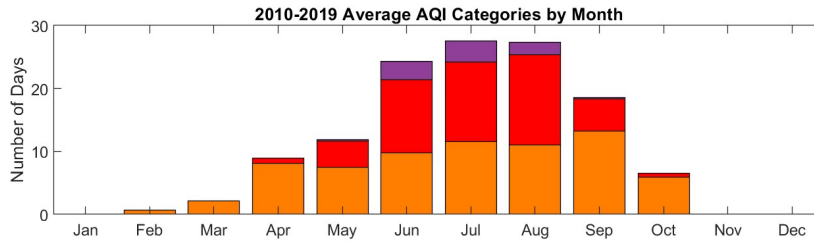
Green	Good	Red	Unhealthy
Yellow	Moderate	Purple	Very unhealthy
Orange	Unhealthy for sensitive groups	Dark Purple	Hazardous



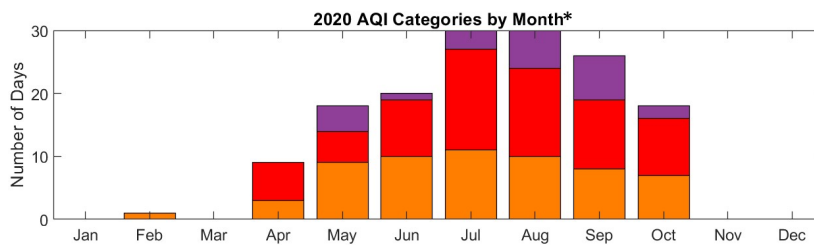
4

Ozone Data and Trends
Meteorology
PM2.5 Data and Trends
Policy Implications

Ozone AQI Levels Compared to Past Years



128 Ozone Exceedance Days on Average



152 Ozone Exceedance Days in 2020[‡]

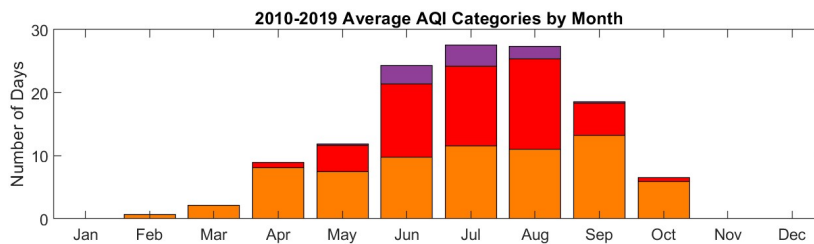


Unhealthy for sensitive groups Unhealthy Very unhealthy

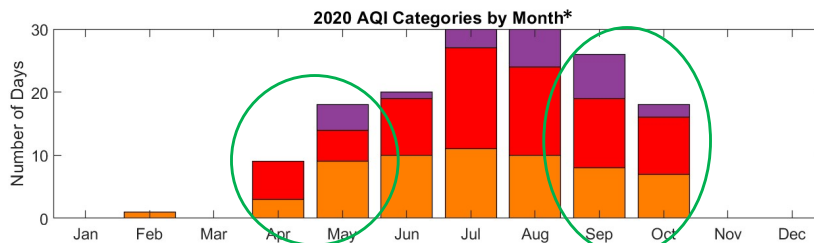
* 2020 data is preliminary. ‡As of October 21.

Ozone Data and Trends
Meteorology
PM2.5 Data and Trends
Policy Implications

Ozone AQI Levels Compared to Past Years



128 Ozone Exceedance Days on Average



152 Ozone Exceedance Days in 2020[‡]

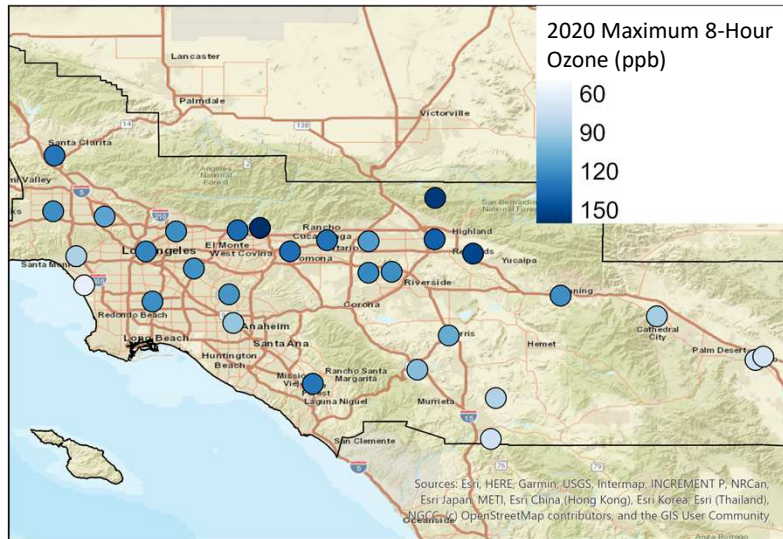


Unhealthy for sensitive groups Unhealthy Very unhealthy

* 2020 data is preliminary. ‡As of October 21.

Ozone Data and Trends
Meteorology
PM2.5 Data and Trends
Policy Implications

2020 Ozone Concentrations Were Abnormally High Throughout the Basin



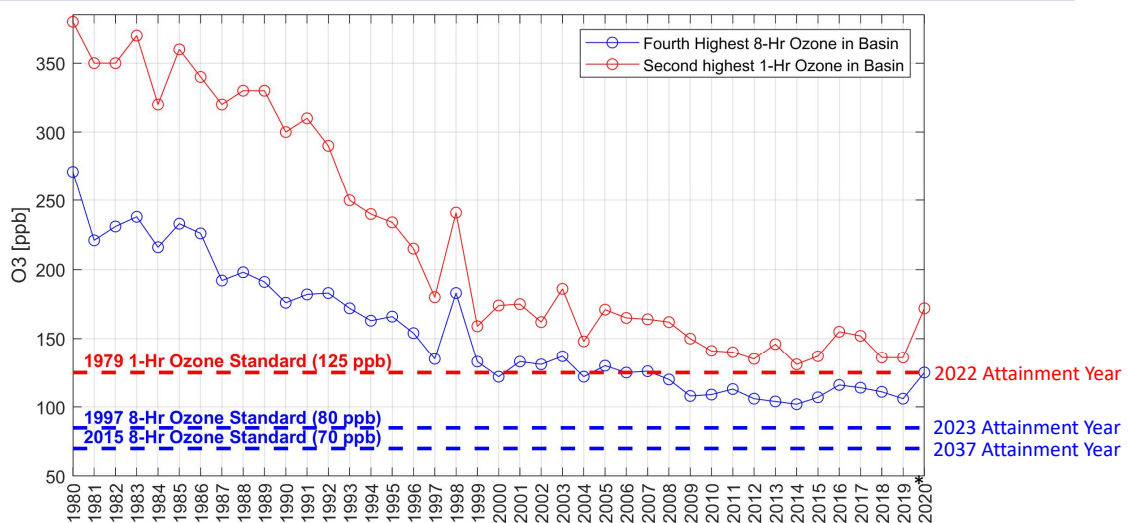
- Basin-Max 1-hour value was 185 ppb (Central L.A.)
 - Highest reading in L.A. since 1994
 - Highest in Basin since 2003
- Basin-Max 8-hour value was 145 ppb (Glendora)
 - Highest in Basin since 2005



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Progress Towards Attaining Ozone Standards in the Basin



* As of 10/21/2020. Data is preliminary.

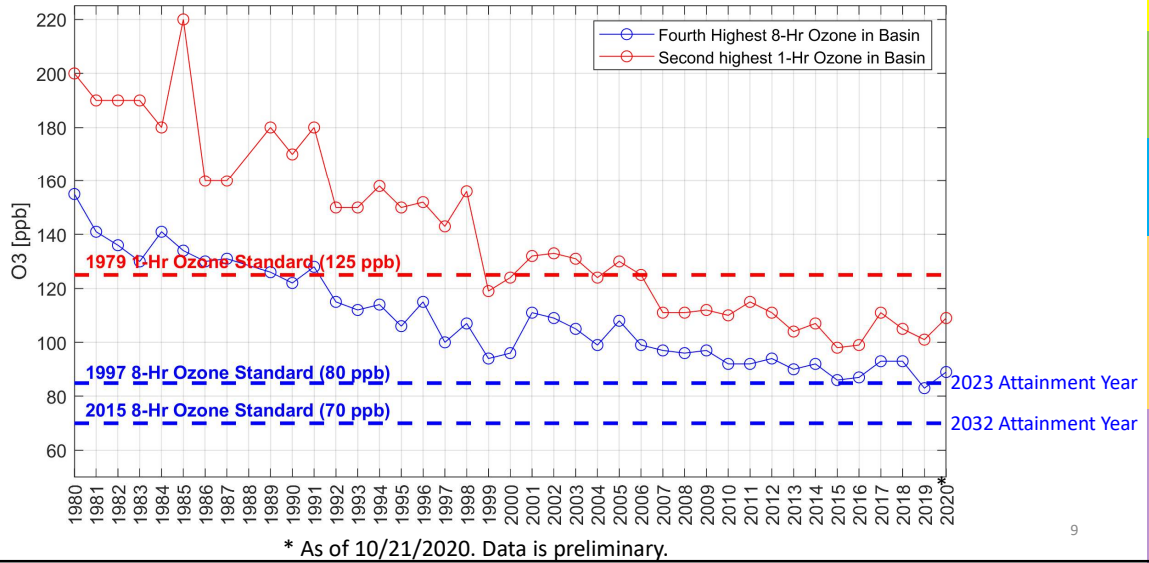


8

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Ozone Data and Trends
 Meteorology
 PM2.5 Data and Trends
 Policy Implications

Progress Towards Attaining Ozone Standards in the Coachella Valley



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Why is the 2020 Ozone Season Unique?

NOx & VOC Emissions

Adapted from epa.gov

Mixing and Ventilation

<https://sparetheairof.weebly.com/inversions.html>

Season

Temperature

National Weather Service San Diego Office

US National Park Service logo

Wikimedia Commons logo

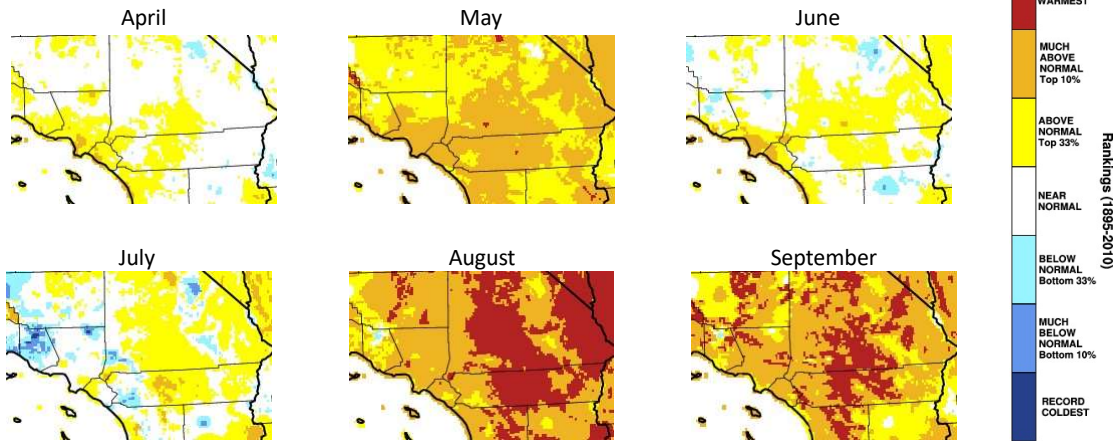
South Coast AQMD logo

10

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2020 Ozone Season was Extremely Hot

Mean Temperature Percentile



WestWide Drought Tracker, UIdahoWBCC Data Source: PBISM (Prelim), created 11 OCT 2020

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Why is the 2020 Ozone Season Unique?

NOx & VOC Emissions

Adapted from epa.gov

Mixing and Ventilation

<https://sparetheairof.weebly.com/inversions.html>

Season

Temperature

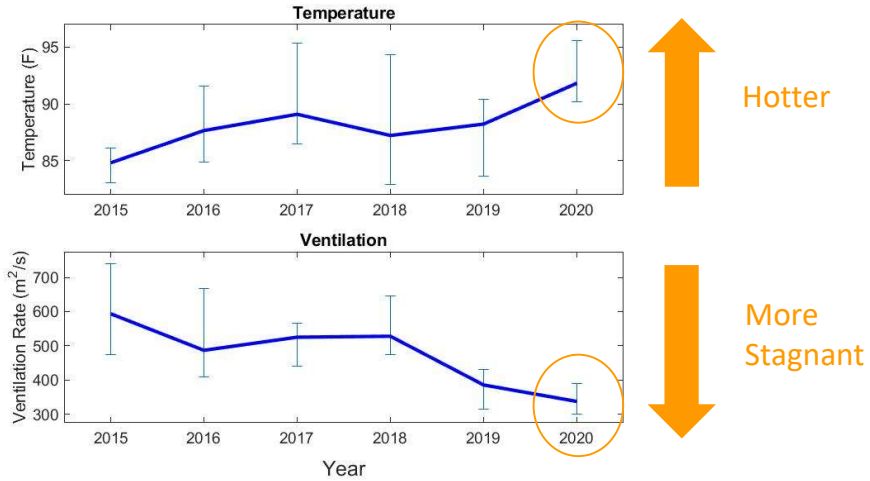
National Weather Service San Diego Office



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Ozone Exceedance Days Were Abnormally Hot and Stagnant

Weather on Highest Ozone Days Each Year in Los Angeles



Ozone Data and Trends
Meteorology
PM2.5 Data and Trends
Policy Implications

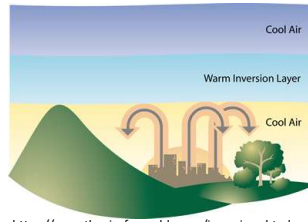
Why is the 2020 Ozone Season Unique?

NOx & VOC Emissions

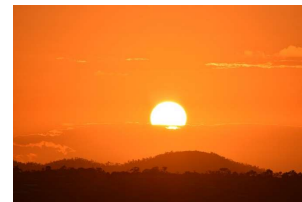
Adapted from epa.gov

US National Park Service
Wikimedia Commons

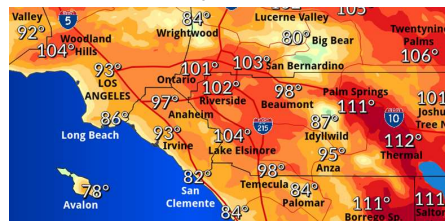
Mixing and Ventilation



Season



Temperature

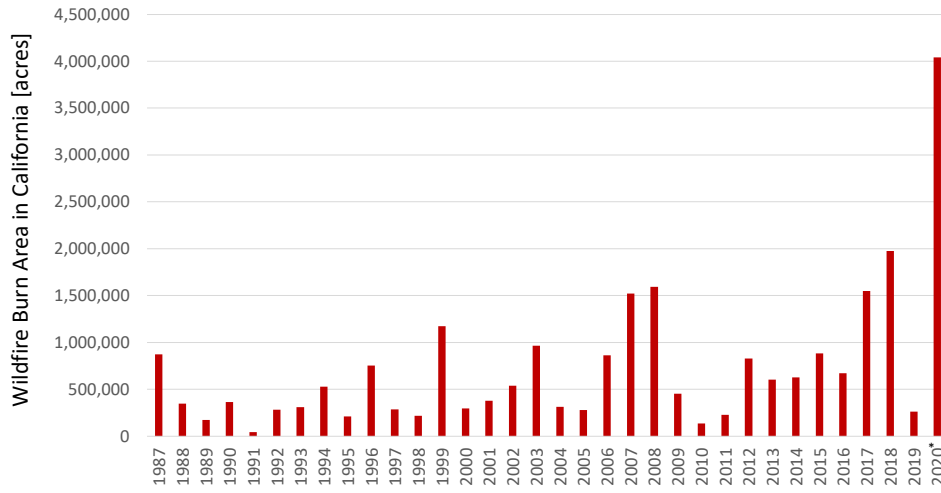


National Weather Service San Diego Office



Ozone Data and Trends
Meteorology
Emissions
PM2.5 Data and Trends
Policy Implications

Record Wildfire Area Burned in California

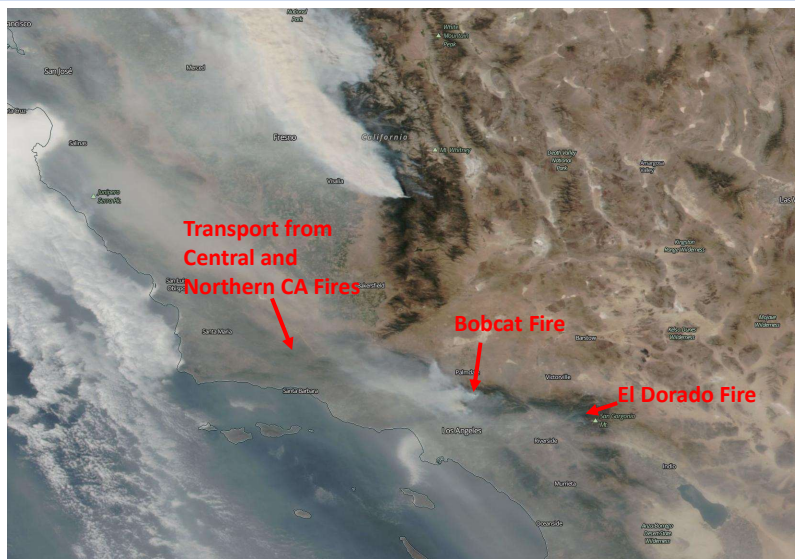


*Current as of Oct 4, 2020

Source: CalFire ¹⁵

Policy Implications PM2.5 Data and Trends Emissions Meteorology Ozone Data and Trends

Strong and Frequent Wildfire Smoke Influence



Sept. 13th, 2020
Suomi NPP/VIIRS

Policy Implications PM2.5 Data and Trends Emissions Meteorology Ozone Data and Trends

Wildfire Plumes May Have Led to Higher Ozone

- Increases in ozone from local and distant wildfires still uncertain and under active investigation
- Preliminary analysis indicates that there may have been increases in areas that were frequently downwind of the Bobcat fire



Perimeters of the Bobcat and El Dorado Fires were downloaded from the National Interagency Fire Center: <https://data-nifc.opendata.arcgis.com/datasets/wildfire-perimeters>

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Possible Changes in Ozone Levels Due to COVID Response

Ozone concentrations depend on NOx and VOC emissions along with the NOx to VOC ratio

	NOx
Apr.	Significant Emission Reductions
May	Significant Emission Reductions
Jun.	Significant Emission Reductions
Jul.	Modest Emission Reductions
Aug.	Typical Anthropogenic Emissions
Sep.	Typical Anthropogenic Emissions
Oct.	Typical Anthropogenic Emissions

VOC/NOx VOC

?

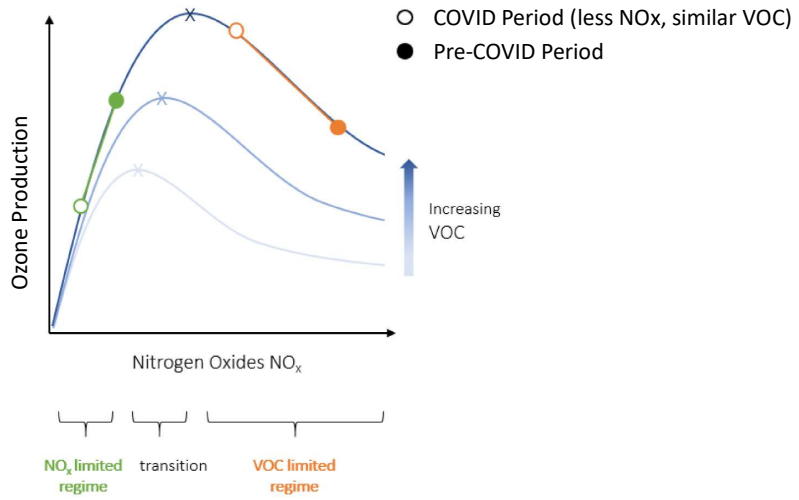
- Increased emissions of specific VOCs from disinfecting
- Overall VOC levels during summer months similar to past few years
- Possible changes in reactivity resulting from changes in VOC mixture



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Conceptual Model of Ozone Chemistry



[adapted from Nussbaumer and Cohen 2020]

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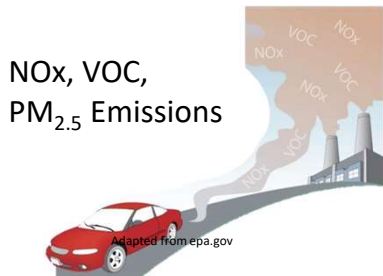
2020 PM2.5 Data and Trends



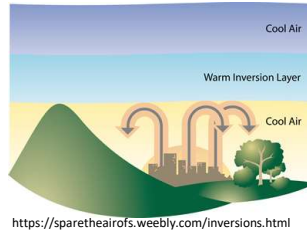
20

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Factors Influencing PM_{2.5} Levels



Mixing and Ventilation



Fog and Humidity



Sunlight



Storms



Ozone Data and Trends
Meteorology
PM2.5 Data and Trends
Policy Implications

Elevated PM_{2.5} Levels Due to Fires and Independence Day Fireworks

Number of PM_{2.5} Basin Exceedance Days*

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2015	12	10	1	1	0	1	2	0	0	0	0	0	27
2016	3	4	3	0	0	1	2	0	0	1	0	8	22
2017	0	0	4	0	0	1	2	0	0	1	5	6	19
2018	6	2	0	1	0	1	2	2	0	0	4	4	22
2019	1	0	0	0	0	0	2	0	0	0	3	0	6
2020	4	1	0	0	0	0	2	3	9	7			35

Independence Day Fireworks

2020 Wildfires

* Calculated using continuous PM_{2.5} measurements



Ozone Data and Trends
Meteorology
PM2.5 Data and Trends
Policy Implications

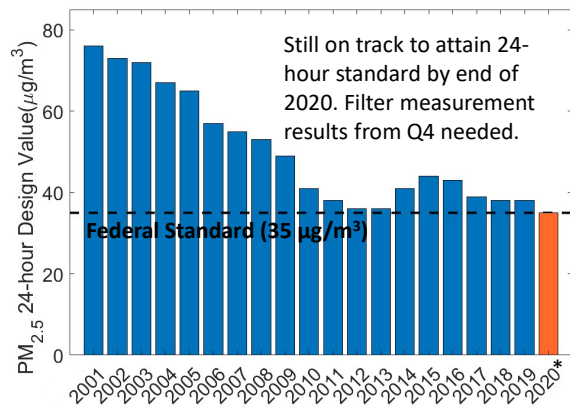
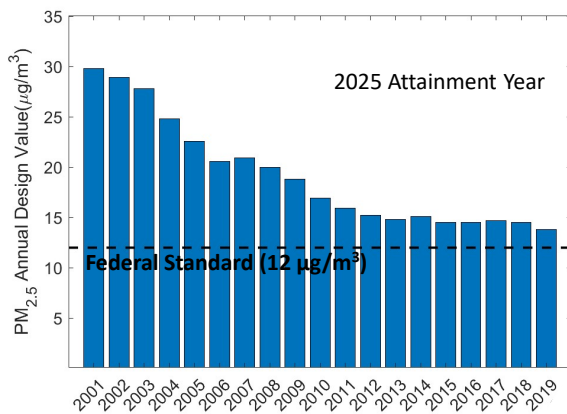
Definition of Exceptional Events

- An exceptional event meets all these criteria:
 - The emissions from the event(s) caused the monitored exceedance(s)
 - The event is not reasonably controllable or preventable
 - The event is either:
 - Natural; or
 - Caused by human activity but is unlikely to recur at that same location

Exceedances caused by exceptional events can be removed when determining attainment of federal standards



Progress Towards Attainment of PM2.5 Standards



* Preliminary estimation based on the FRM PM2.5 data from the first three quarters of 2020. Exceedances likely to be approved as exceptional events removed in 2017-2020 data.

Scientific Conclusions

- High ozone values recorded during the 2020 ozone season were due to several reasons
 - Record high temperatures
 - Abnormally stagnant meteorology
 - Increased emissions of VOCs and NOx from historic wildfire season
 - Possible changes in emissions due to COVID response
- Relative impacts of each of these factors are complicated and will take time to sort out
- High PM2.5 values recorded during the summer of 2020 attributed to local fires and smoke transport from fires along the west coast



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Attainment Implications

24-Hour PM2.5 Standard

- Filter based data from quarters 1-3 and continuous data from quarter 4 (not used for attainment) indicate we likely have attained the 24-Hour standard
- Successful exceptional event demonstrations are critical

1-Hour Ozone Standard

- Based on preliminary 2020 data, it will not be possible to attain the 1-hour ozone standard by the 2022 deadline as we have recorded more than three exceedances at a single station during the 2020-2022 period

8-Hour Ozone Standard

- Elevated ozone values in 2020 will not affect attainment of the 80 ppb ozone standard as the 2023 deadline is based on data collected in 2021-2023

Overall Ozone Attainment Goals

- If a changing climate causes these extreme weather and wildfire events to continue or get worse, attainment of future standards will be even more challenging



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South Coast AQMD Incentives Update

Vicki White
Technology Implementation Manager



1

Role of Incentives

- Accelerate deployment of new, cleaner technologies that have become commercialized
- Designed to offset the higher cost of new, cleaner technologies
- Higher incentive for the cleanest technologies (zero emissions)
- Existing programs require retirement of an older vehicle, engine or piece of equipment in order to maximize emission reductions
- Projects must achieve “surplus” emissions reductions – go beyond existing regulations
- Infrastructure to enable deployment of near-zero & zero emission heavy-duty vehicles and equipment



2

2

Incentive Project Types



3

Main Incentive Programs

Carl Moyer Program

- Trucks
- Transit buses
- Refuse trucks
- Public agency/utility vehicles
- Emergency vehicles
- Construction/Ag
- Marine Vessels
- Shore Power
- Locomotives
- Cargo Handling
- Infrastructure

• 1998 – Present
 • \$530 Million
 • 7,977 vehicles
 • Emissions Reduced (tpy):
 NOx: 8,600 PM: 248

Prop 1B

- Trucks
- Shore Power
- Locomotives
- Cargo Handling
- TRUs

• 2009 - Present
 • \$486 Million
 • 7,503 vehicles/equipment
 • Emissions Reduced (tpy):
 NOx: 7,285 PM: 220

Replace Your Ride

- Light-Duty Vehicles
- Alternative Mobility Options (transit passes, car sharing)
- Electric vehicle chargers

• 2015 - Present
 • \$59 Million
 • 7,424 vehicles
 • Emissions Reduced (tpy):
 NOx: 34 HC: 7.9

Lower Emission School Bus Program

- School buses
- Infrastructure
- CNG tank replacements

• 2001 - Present
 • \$325 Million
 • 5,200 vehicles
 • Emissions Reduced (tpy):
 NOx: 857 PM: 59

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Other Incentive Programs

- Community Air Protection Program (supports AB 617)
- Voucher Incentive Program (for small fleets with ten or fewer vehicles)
- Replace Your Ride Program (Clean Cars for All)
- Commercial Electric Lawn and Garden Equipment Program
- Volkswagen Environmental Mitigation Trust Program
- Funding Agricultural Replacement Measures for Emission Reductions (FARMER)



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NIP2
VW [2]1

Emission Reduction Benefits from Incentive Programs (2020)

Program	Funding Amount	No. of Equipment	NOx (tpy)	PM2.5 (tpy)
Carl Moyer	\$33,959,122	162	222.1	3.98
Carl Moyer State Reserve	\$1,086,505	6	3.7	0.12
AB 923 Match Funds	\$4,618,441	18	6.08	0
FARMER	\$706,804	2	5.8	0.37
AB 617 Community Air Protection Program (CAPP) Incentives	\$37,762,509	172	123.4	6
EFMP	\$13,532,012	1649	4.2	0.26
Proposition 1B	\$39,610,000	399	151.1	0
Voucher Incentive (VIP)	\$2,705,000	63	43.2	0.24
Total	\$133,980,393	2,471	559.58	10.97

6

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Slide 6

NB2 do we have any data for Prop 1B?

Naveen Berry, 1/7/2021

VW [2]1 Awards were made on first-come, first-served basis, not in BL, I will check with Tom Lee.

Vicki White, 1/7/2021

NIR1
VW [2]2

Summary of Awards - Near Zero and Zero Emission Trucks (2017 to Present)

Program	NZ Emission (0.02 g/bhp-hr)	Funding	Zero Emission	Funding
Moyer/CAPP	451	\$31,654,703	3	\$600,000
Prop 1B	757	\$73,500,000	71	\$14,200,000
Total	1,208	\$105,154,703	74	\$14,800,000

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Community Air Protection Program



- Financial incentives to support the goals of AB 617
- Approved by Governor as part of the State budget each year
- Specific bills:
 - AB 134 (2017) – \$250M statewide (\$107.5M to South Coast AQMD), for Moyer and Prop 1B projects
 - SB 856 (2018) – \$245M statewide (\$85.57M to South Coast AQMD) to reduce emissions from mobile and stationary sources
 - AB 74 (2019) - \$245M statewide (\$79.4M allocation to South Coast AQMD) to reduce emissions from mobile and stationary sources, and community-identified projects

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Slide 7

NB1 Need to show time frame...slide 6 is for 2020 and shows 172 equipment, whereas this slide shows 444 and I presume its for multiple year CAPP funds

Naveen Berry, 1/7/2021

VW [2]2 Yes, mutiple years

Vicki White, 1/7/2021

CAPP Results

Project Category	Technology	AB 134 (CAPP Year 1)		SB 856 (CAPP Year 2)	
		Funded Amount	No. of Units	Funded Amount	No. of Units
On-Road	Zero emission	\$12,566,150	66	\$1,231,961	45
	Optional low-NOx	\$22,858,674	415	\$9,013,889	133
	Other (Emergency)	-	-	\$1,187,478	19
Off-Road Agriculture	Tier 3/4F	\$19,607,167	156	\$4,795,672	55
Off-Road Construction	Zero emission	-	-	\$2,226,833	9
	Tier 3/4F	\$22,698,620	96	\$2,754,835	32
Cargo Handling Equipment	Zero emission	-	-	\$349,845	16
	Hybrid-Electric	-	-	\$8,235,475	11
	Tier 4F	-	-	\$883,702	5
Marine	Tier 3	\$9,490,812	57	\$17,032,908	85
Transport Refrigeration Unit	Electric	-	-	\$1,411,528	31
Infrastructure	Electric charging	\$122,500	1	\$7,718,592	9
	Renewable natural gas	\$12,243,034	13	\$10,586,965	6
	Natural gas	\$1,237,782	3	-	-
Locomotive	Tier 4	\$11,533,500	6	\$1,243,280	1
TOTAL		\$112,358,239	813	\$68,672,963	465

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South Coast AQMD's AB 923 Distribution of Funds

The Board approves annually how to distribute revenues from \$2 DMV fee among the following programs:

- Carl Moyer on- and off-road mobile source projects
- Lower Emission School Bus Program (including zero emission buses)
- Metrolink passenger locomotive project (multiple phases)



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Lower-Emission School Bus Program

- Replace older, high-emitting school buses with cleaner technologies
- Participants include public school districts, including JPA, charter schools and private transportation providers under contract with a public school district
- * Program strives to fund the cleanest bus technologies commercially available
- * School districts must pay at least \$15K as their local match
 - Funds are often combined with HVIP funds to help offset the higher cost of the new near-zero or zero-emission school bus
 - Up to \$400k for an electric school bus (with HVIP funds)
 - South Coast AQMD funds also available for infrastructure



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School Bus Awards by County (2018/19)

County	No. of Schools	No. of Buses	U.S. EPA Air Shed Grant	South Coast AQMD AB 923 Funds*
Los Angeles	12	36	\$628,800	\$5,613,200
Orange	16	100	\$1,100,400	\$17,162,600
Riverside	6	19	\$275,100	\$3,154,400
San Bernardino	7	41	\$1,100,400	\$6,686,100
Total	41	196	\$3,104,700	\$32,616,300

* In addition, \$2,050,000 in HVIP funds were provided.

Note: South Coast AQMD recently released a new Program Announcement in October 2020, closes January 26, 2021.

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VW Mitigation Program

Project Category	Technology	Allocation (millions)	Air District Administrator
Zero-Emission Transit, School and Shuttle Buses	Battery electric or fuel cell	\$130	SJVAPCD
Zero-Emission Class 8 Freight and Port Drayage Trucks	Battery electric or fuel cell	\$90	South Coast AQMD
Zero-Emission Freight and Marine Projects	Battery electric or fuel cell	\$70	BAAQMD
Combustion Freight and Marine Projects (waste haulers, dump trucks, concrete mixers, switcher locomotives, ferries, tug boats)	Low NOx engine, Tier 4, or Tier 4 equivalent	\$60	South Coast AQMD
Light-Duty Zero-Emission Vehicle Infrastructure	Electric charger or hydrogen fueling station	\$10	BAAQMD
CARB Reserve		\$63	
	Total:	\$423	

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Volkswagen Program Update

Funding Category	1 st Installment	Open	Closed
ZE Transit, School, and Shuttle Buses	\$65 million	10/21/19	Still open (Shuttle and Transit only)
Combustion Freight and Marine Projects	\$30 million	12/6/19	3/4/20
Light Duty Infrastructure – Hydrogen	\$5 million	2/20/20	5/22/20
ZE Freight and Marine Projects	\$35 million	6/18/20	8/31/20
ZE Class 8 Freight and Port Drayage Trucks	\$27 million	8/18/20	Still open (backup list)
Light Duty Infrastructure - Battery Electric	\$5 million	February 2021 (Est)	TBD

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Funding Opportunities in 2021

- * Lower Emission School Bus Program Closing 1/26/21
- * VIP for small fleets (first-come, first-served) February 2021 (Est)
- * Carl Moyer Program
(incl. SOON, FARMER and other programs if available) March 2021
- * Prop 1B – Goods Movement Program Closing 4/30/21
- * Volkswagen - Combustion and ZE Freight & Marine
and Light Duty Infrastructure (Battery Electric) Qtr. 2 2021
- * AB 617 Community Air Protection Incentives TBD
- * Other Programs Ongoing (until
funds are depleted)

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Useful Links

Program	Link
CAPP Incentives	www.aqmd.gov/cappincentives
Proposition 1B - Goods Movement Emission Reduction Program	www.aqmd.gov/prop1b
Volkswagen Environmental Mitigation Program	www.aqmd.gov/vw
Carl Moyer Program	www.aqmd.gov/moyer
Voucher Incentive Program (for small fleets of 10 trucks and less)	www.aqmd.gov/vip
Lower Emission School Bus Program	www.aqmd.gov/schoolbus
Commercial Lawn and Garden Equipment Incentive Program	www.aqmd.gov/lawngarden
Replace Your Ride (Clean Cars for All)	www.replaceyourride.com

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Small Business Assistance Report on December 2020 Activities for LG&SBA Advisory Group Meeting of 1/15/2021

1

Services Offered – December

■ Permit Application Assistance	251
■ Fee Review Committee Request	2
■ 2 Granted (Reinstate Permits)	
■ Air Quality Permit Checklist Processed	59
■ Variance Request Assistance	43

1/15/2021

December 2020 Report

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Permit Assistance – December

- 251 Activities Providing Help with Permit Applications. Examples include:
 - 65 *Dry Cleaners/Garment Cleaners*
 - 46 *General Contractors/Consultants/Architects*
 - 26 *Restaurants*
 - 24 *Manufacturing Facilities*
 - 12 *Warehouses (Storage/Distribution)*
 - 11 *Auto Body and Repair Shops*
 - 11 *Retail Stores*

1/15/2021

December 2020 Report

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Activities – December

- No on-site consultations conducted
- Event(s) Attended
 - No Events Attended

1/15/2021

December 2020 Report

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Dry Cleaner Grants Issued (as of 12/2020)

■	Professional Wet Cleaning	165
■	CO ₂ Machines	4
■	Hydrocarbon (funds expended)	488

1/15/2021

December 2020 Report

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Small Business Activity December 2019 – December 2020

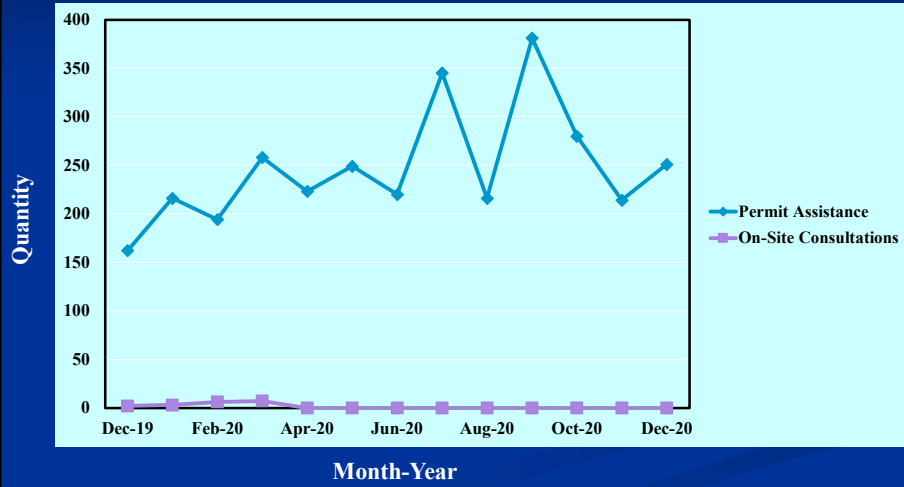
ACTIVITY	Permit Assistance	On-Site Consultations	Variance Assistance	Fee Review Requests	Air Quality Permit Checklists
Dec-2019	162	2	0	2	81
Jan-2020	216	3	0	2	68
Feb-2020	194	6	0	3	63
Mar-2020	258	7	0	3	47
Apr-2020	223	0	0	3	49
May-2020	249	0	0	3	65
Jun-2020	220	0	0	1	51
Jul-2020	345	0	2	3	110
Aug-2020	216	0	0	2	57
Sep-2020	381	0	0	2	65
Oct-2020	280	0	0	3	84
Nov-2020	214	0	15	2	50
Dec-2020	251	0	43	2	59
TOTAL	3209	18	60	31	849

1/15/2021

December 2020 Report

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Small Business Activity December 2019 – December 2020



1/15/2021

December 2020 Report