



# South Coast Air Quality Management District

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

## ENVIRONMENTAL JUSTICE ADVISORY GROUP

### Advisory Group Members

Senator Vanessa Delgado (Ret.), Chair (Board Member)  
Supervisor Janice Rutherford, Vice Chair (Board Member)  
Councilmember, Ben Benoit, City of Wildomar (Board Member)

Rhetta Alexander	Dr. Monique Hernandez
Manuel Arredondo	Dr. Jill Johnston
Dr. Lawrence Beeson	Evelyn Knight
Suzanne Bilodeau	Humberto Lugo
Paul Choe	David McNeill
Kerry Doi	Daniel Morales
Mary Figueroa	Donald Smith
Dr. Afif El-Hasan	Rafael Yanez

**Friday, October 23, 2020 ♦ 12:00 p.m.**

**Pursuant to Governor Newsom's Executive Order N-25-20, (March 12, 2020) and N-29-20 (March 17, 2020), South Coast AQMD's Environment Justice Advisory Group (EJAG) Meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the webinar meeting remotely.**

## **INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA**

**Join Zoom Webinar Meeting - from PC or Laptop**

**<https://scaqmd.zoom.us/j/92579947526>**

**Zoom Webinar ID: 925 7994 7526** (applies to all)

**Teleconference Dial In**

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**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)). If you wish to speak, raise your hand on Zoom or press Star 9 if participating by telephone. 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 (Item 1):**

- |  |   |
|--|---|
| 1. <b>Call to Order/Opening Remarks</b><br><i>(No Motion Required)</i> | Senator Vanessa Delgado (Ret.)<br>Chair |
|--|---|

**ACTION ITEMS (Items 2 through 4):**

- |   |   |
|---|---|
| 2. <b>Approval of August 28, 2020 Meeting Minutes</b><br><i>(Motion Required)</i><br><i>[Attachment 1]</i>  | Senator Vanessa Delgado (Ret.)<br><i>pgs. 5-8</i>   |
| 3. <b>Review of Follow-Up/Action Items</b><br><i>(No Motion Required)</i><br><i>Staff will review the follow-up/action items identified in the</i><br><i>previous meeting.</i>        | Alicia Lizarraga<br>Senior Public Information Specialist<br>Legislative, Public Affairs & Media |
| 4. <b>Goals and Objectives for 2021</b><br><i>(Motion Required)</i><br><i>[Attachment 2]</i><br>Staff will present and seek items to include in the Goals<br>and Objectives for 2021. | Alicia Lizarraga<br><i>pg. 9</i>  |

**DISCUSSION ITEMS (Items 5 through 8):**

- |   |   |
|---|---|
| 5. <b>Update on AQMP Activities</b><br><i>(No Motion Required)</i><br><i>[Attachment 3]</i><br><i>An overview will be presented on South Coast AQMD's activities</i><br><i>regarding the AQMP.</i>                        | Sarah Rees<br>Assistant Deputy Executive Officer<br>Planning, Rule Development &<br>Area Sources<br><i>pgs. 10-28</i> |
| 6. <b>Virtual Inspections</b><br><i>(No Motion Required)</i><br><i>[Attachment 4]</i><br>Staff will provide a presentation regarding virtual inspections.   | Pavan Rami<br>Staff Specialist<br>Compliance & Enforcement<br><i>pgs. 29-37</i>                                       |
| 7. <b>Environmental Justice Community Partnership Update</b><br><i>(No Motion Required)</i><br><i>[Attachment 5]</i><br><i>Staff will provide an update on the Environmental Justice Community</i><br><i>Partnership.</i> | Alicia Lizarraga<br><i>pgs. 38-43</i><br><br>All  |
| 8. <b>Member Updates</b><br><i>(No Motion Required)</i>   |   |

## **OTHER MATTERS:**

### **9. 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. (Govt. Code Section 54954.2)*

### **10. 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 Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.*

### **11. Next Meeting Date – January 29, 2021**

## **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 Jeanette Short at (909) 396-2942, or send the request to [jshort1@aqmd.gov](mailto:jshort1@aqmd.gov).*

### **Americans with Disabilities Act and Language Accessibility**

*Disability and language-related accommodations can be requested to allow participation in the Environmental Justice 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 Jeanette Short at (909) 396-2942 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to [jshort1@aqmd.gov](mailto:jshort1@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 Chairman 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 “**Raise Hand**” button on the bottom of the screen.
- 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 “**Raise Hand**” button on the bottom of your screen.
- 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**

### **ENVIRONMENTAL JUSTICE ADVISORY GROUP FRIDAY, AUGUST 28, 2020 MEETING MINUTES**

#### **MEMBERS PRESENT:**

Council Member Ben Benoit, (Board Member)  
Senator Vanessa Delgado (Ret.), EJAG Chair (Board Member)  
Supervisor Janice Rutherford, EJAG Vice Chair (Board Member)  
Rhett Alexander, Valley Interfaith Council  
Manuel Arredondo, Coachella Valley School District, Retiree  
Suzanne Bilodeau, Knott's Berry Farm  
Kerry Doi, Pacific Asian Consortium in Employment  
Paul Choe, Korean Drycleaners & Laundry Association  
Dr. Afif El-Hasan, American Lung Association  
Mary Figueroa, Riverside Community College  
Dr. Monique Hernandez, California State University, Los Angeles  
David McNeill, Baldwin Hills Conservancy  
Daniel Morales, National Alliance for Human Rights  
Rafael Yanez, Community Member

#### **MEMBERS ABSENT:**

Dr. Lawrence Beeson, Loma Linda University, School of Public Health  
Evelyn Knight, Long Beach Economic Development Commission  
Dr. Jill Johnston, University of Southern California  
Humberto Lugo, Community Member  
Donald Smith, 136th Street Block Club

#### **OTHERS PRESENT:**

Mark Abramowitz  
Scott Andrews  
Mark Taylor  
Patty Senecal  
Tom Williams  
Yvonne Watson

#### **SOUTH COAST AQMD STAFF:**

Derrick Alatorre, Deputy Executive Officer  
Fabian R. Wesson, Assistant Deputy Executive Officer/Public Advisor

Victor Yip, Assistant Deputy Executive Officer  
Teresa Barrera, Principal Deputy District Counsel  
Ricardo Rivera, Senior Staff Specialist, Small Business Assistance  
Hannea Cox, Air Quality Engineer, Small Business Assistance  
Julie Franco, Senior Public Information Specialist  
Alicia A. Rodriguez, Senior Public Information Specialist  
Jeanette N. Short, Senior Public Information Specialist  
Rainbow Young, Senior Public Information Specialist  
Lindsay McElwain, Senior Administrative Secretary  
Brandee Keith, Secretary

**Agenda Item #1: Call to Order/Opening Remarks**

Senator Vanessa Delgado (Ret.), called the meeting to order at 12:05 p.m. Ms. Jeanette Short read the housekeeping items for the virtual meeting and then took roll call.

**Agenda Item #2: Approval of January 24, 2020 Meeting Minutes**

Chair Delgado called for the approval of the January 24, 2020 meeting minutes. Mr. Daniel Morales moved to approve the minutes and Ms. Mary Figueroa seconded the motion. The minutes were approved unanimously.

**Agenda Item #3: Review of Follow-Up/Action Items**

Ms. Fabian Wesson provided a response to the January 24, 2020 action items:

- **Action Item:** Email EJAG the various EJCP meeting schedules, as they become available.
  - Emailed EJCP Advisory Council meeting schedule on April 10, 2020.
  - Emailed Inter-Agency Task Force meeting schedule on April 10, 2020.
- **Action Item:** Provide EJAG information on the Why Healthy Air Matters (WHAM) program.
  - E-mailed link to the WHAM Program on April 10, 2020.  
<http://www.aqmd.gov/home/programs/community/community-detail?title=wham>
- **Action Item:** Email EJAG Advisory Group the CARE program (now CAPES) meeting schedule when available, in the Summer of 2020.
  - Emailed response on April 10, 2020.
    - Due to the current stay at home order, schools are currently closed and therefore no CARE (CAPES) programs have been scheduled. However, we will provide a tentative schedule if any schools confirm for 2020.
- **Action Item:** Provide information to EJAG Chair on expansion of CARE (CAPES) program.
  - Emailed EJAG a response on April 10, 2020
    - Staff are currently working on bundling the program into a user friendly toolkit and list of potential schools to visit in 2020. We will share with the Chair to expand the program.
- **Action Item:** Provide list of dry cleaner facilities needing replacement before deadline and how much grant money is still available (requested by EJAG member Paul Cho)

- Emailed EJAG a response on April 10, 2020.
  - Approximately 297 facilities continue to operate using Perchloroethylene (Perc). Due to confidentiality, we are unable to provide a list with names of the dry cleaner facilities. There is approximately \$225,000 in grant funding remaining as of April 7, 2020.

Supervisor Janice Rutherford asked if the expansion of virtual and online learning might open opportunities to extend South Coast AQMD school programs to all schools. Councilmember Ben Benoit suggested the curriculum might also be uploaded to a public forum such as YouTube to make it available to all interested parties. Ms. Wesson agreed and said these and other ideas for expansion of the program would be explored.

Mr. Kerry Doi expressed approval over the developments and South Coast AQMD's efforts to offer grant funds to dry cleaning facilities. He also asked whether anything similar might be extended to restaurant facilities. Mr. Derrick Alatorre explained that dry cleaning facilities were offered grant funds to meet rule requirements going into effect in 2020, but that there are no such regulatory efforts affecting restaurants.

#### **Agenda Item #4: Small Business Assistance & Incentive Programs**

Ms. Hannea Cox provided a brief overview of South Coast AQMD's Small Business Assistance and Incentive Program.

Mr. Rafael Yanez asked if the grant funds cover the full cost of equipment, and whether phone calls or inspector visits have been made to remaining facilities that had not yet switched over to compliant equipment. Ms. Cox explained that grant funding could be applied to used equipment for facilities to save costs. Mr. Ricardo Rivera explained South Coast's AQMD grant offerings would cover \$10,000 out of a potential \$30,000-\$40,000 equipment cost, but that the California Air Resources Board also offered additional grant funds. He mentioned that South Coast AQMD had been engaged in extensive outreach to dry cleaning facilities including meetings, mailings, and demonstrations of the wet cleaning systems, to make them aware of the compliance deadline of December 31, 2020.

Mr. Kerry Doi asked if there are any qualifying factors to qualify for assistance. Ms. Hannea Cox explained that for dry cleaners, specifically, businesses would have to convert to a professional wet cleaning system to qualify for grant funds. Chair Delgado asked for a review of outreach efforts going out to those facilities which are still using PERC.

**ACTION ITEM:** Staff to provide outreach efforts to facilities still using PERC.

Mr. David McNeill asked whether there would be any grace period or extension available after the December 31<sup>st</sup> deadline for dry cleaning facilities to comply, and whether any remaining funds would simply be forfeit after that deadline. He also asked whether virtual inspections were being conducted. Ms. Cox replied that a rule extension would require approval from the board, and Mr. Alatorre stated there was no intention to budget additional incentive funds after the deadline. Ms. Cox stated that South Coast AQMD staff will work with facilities to accommodate them.

**ACTION ITEM:** Staff to request an update or presentation from the Compliance department regarding virtual inspections.

**Agenda Item #5: COVID-19 Impacts on Environmental Justice Communities Discussion**

Ms. Monique Hernandez, PhD lead a discussion on the impacts of COVID-19 on Environmental Justice Communities.

Chair Delgado and several committee members expressed concerns over the risks being faced by affected communities, especially regarding having poor health coverage, inability to take leave from work, and the increased need to provide family care to children and the elderly. Members also expressed concerns about the difficulties communicating the facts about COVID-19 in an environment where many are being targeted by false information and rising racial tensions. Some members also expressed frustration that legislative representatives and elected officials are not taking the situation seriously until it affects them personally.

**Agenda Item #6: Environmental Justice Community Partnership Update**

Tabled due to time constraints.

**Agenda Item #7: Member Updates**

Tabled due to time constraints.

**Agenda Item #8 - Other Business**

There was no other business.

**Agenda Item #9- Public Comment**

Dr. Tom Williams with the Citizens Coalition for Safe Communities expressed concerns over the severe air pollution impacts from the ports. He requested consideration regarding a discussion of equity as it applies to goods movement, warehousing, and railyards.

**Agenda Item #10: Next Meeting Date**

The next regular EJAG meeting is on Friday, October 23, 2020 at 12:00 pm.

**Adjournment**

The meeting was adjourned at 1:55 pm.



**DRAFT**

## **Environmental Justice Advisory Group**


### **2021 Goals & Objectives**

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The items below are proposed agenda item topics to be addressed during the quarterly 2021 meetings for the Environmental Justice Advisory Group (EJAG). The Administrative Committee and Governing Board will receive the approved minutes, reflecting the discussions. Not all items are expected to be covered due to time constraints. EJAG members will provide insight on how to best communicate this information with community members and stakeholders.

**The following are proposed agenda item topics to be addressed during 2021:**

1. Continued Environmental Justice Community Partnership Updates
2. Legislative Updates Related to Air Quality and/or Environmental Justice
3. Update on the Implementation of Assembly Bill 617
4. Information on South Coast AQMD Key Rules and Rule Amendments for 2021
5. Incentive Programs Targeted in Environmental Justice Communities
6. Regulation and Monitoring of Air Toxics in the South Coast Air Basin
7. Update/Implementing on Emerging Technologies That Help Clean the Air in Communities
8. Health Studies Related to Air Quality
9. Update on AQMP - Implementation of 2016 AQMP and/or Development of 2022 AQMP
10. Environmental Justice Issues of Interest Not Included Above



# Update on AQMP Activities

Environmental Justice Advisory Group  
October 23, 2020

*Cleaning The Air That We Breathe...*

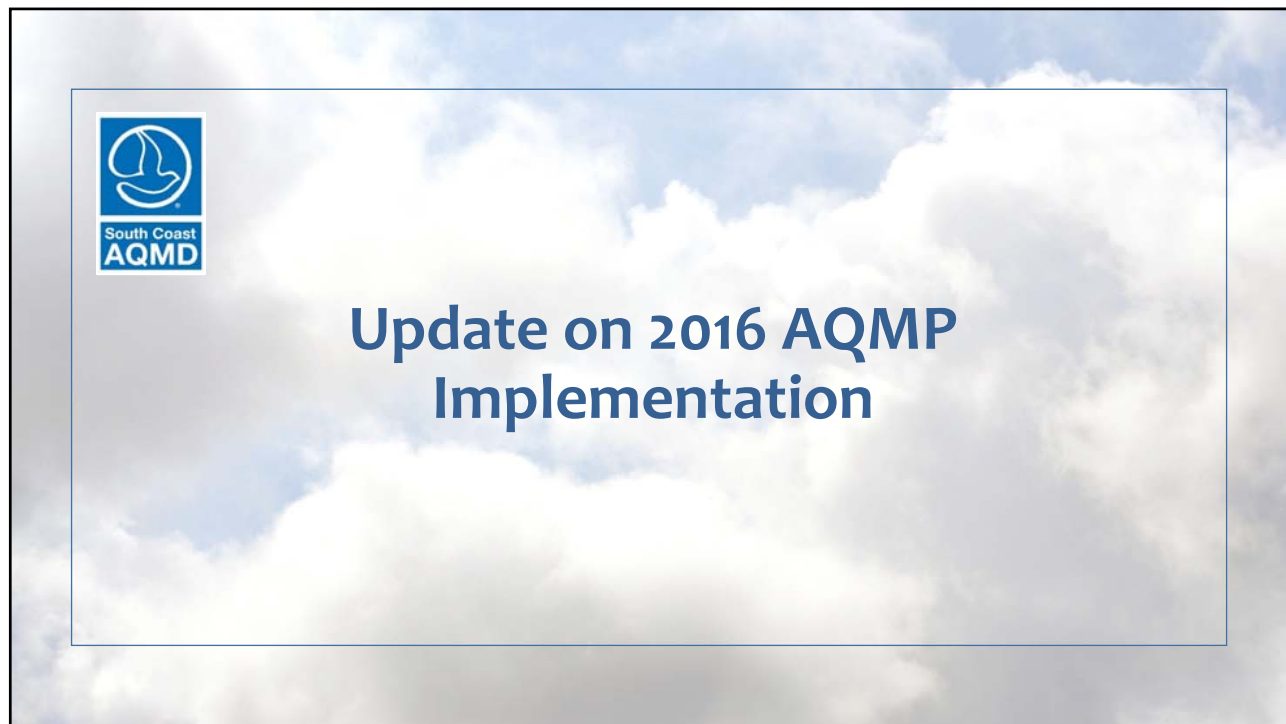
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## Presentation Outline

1. Update on 2016 AQMP Implementation
2. South Coast PM<sub>2.5</sub> Attainment Plan
3. Coachella Valley Ozone Extreme Area Plan
4. 2022 Air Quality Management Plan

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**2016 Air Quality Management Plan (AQMP)**

- Approved by the South Coast AQMD Governing Board in March 2017
- Integrated plan addressing multiple National Ambient Air Quality Standards (NAAQS)

Criteria Pollutant	Standard	South Coast Classification	Coachella Valley Classification
2008 8-hour Ozone	75 ppb	Extreme	Severe
1997 8-hour Ozone	80 ppb	Extreme	Extreme*
1979 1-hour Ozone	120 ppb	Extreme	Attainment
2012 Annual PM <sub>2.5</sub>	12 µg/m <sup>3</sup>	Serious	Unclassifiable/ Attainment
2006 24-hour PM <sub>2.5</sub>	35 µg/m <sup>3</sup>	Serious	Unclassifiable/ Attainment

\*Voluntary reclassification from severe to extreme in July 2019

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## South Coast Rules and Programs Adopted or Amended since 2016 AQMP - NOx

Rule No – Rule Title	Adoption Date	2016 AQMP Control Measure
Rule 1135 – Emissions of Oxides of Nitrogen from Electricity Generating Facilities	11/2/2018 (Amended)	CMB-01; CMB-05
Rule 1146 – Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters	12/7/2018 (Amended)	CMB-01; CMB-05
Rule 1146.1 – Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters		
Rule 1146.2 – Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters		
Rule 1118.1 – Control of Emissions from Non-Refinery Flares	1/4/2019 (Adopted)	CMB-03
Rule 1134 – Emissions of Oxides of Nitrogen from Stationary Gas Turbines	4/5/2019 (Amended)	CMB-05; CMB-01
Rule 1110.2 – Emissions from Gaseous- and Liquid-Fueled Engines	11/1/2019 (Amended)	CMB-05; CMB-01
Rule 1117 – Emissions from Container Glass Melting and Sodium Silicate Furnaces	6/5/2020 (Amended)	CMB-05
Rule 1179.1 - NOx Emission Reductions from Combustion Equipment at Publicly Owned Treatment Works Facilities	10/2/2020 (Adopted)	CMB-01
Facility-Based Mobile Source Measure for Commercial Airports	12/6/2019 (Adopted)	MOB-04

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## South Coast Rules and Programs Adopted or Amended since 2016 AQMP – VOC and PM

Rule No – Rule Title	Adoption Date	Implementation End Date	2016 AQMP Control Measure
Rule 1113 – Architectural Coatings	2/5/2016 (Amended)	2019	CTS-01*
Rule 1168 – Adhesive and Sealant Applications	10/6/2017 (Amended)	2023	CTS-01
Rule 1118.1 – Control of Emissions from Non-Refinery Flares	1/4/2019 (Adopted)	2025	CMB-03
Rule 445 – Wood-Burning Devices	6/5/2020 (Amended)	n/a	BCM-09

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## CARB Rules and Programs Adopted or Amended since 2016 AQMP

Regulation	Adoption Date
Innovative Technology Certification Flexibility	October 2016
Medium- and Heavy-Duty GHG Phase 2	February 2018
Lower Opacity Limits for HD Vehicles	May 2018
Amended Warranty Requirements for HD Vehicles	June 2018
Innovative Clean Transit	December 2018
Zero-Emission Airport Shuttle Buses	June 2019
Advanced Clean Trucks Regulation	June 2020
Heavy-Duty Omnibus Regulation	August 2020
Control Measure for Ocean-Going Vessels At Berth	August 2020

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## South Coast Air Basin Attainment Plan for 2006 24-hour PM<sub>2.5</sub> Standard

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## PM<sub>2.5</sub> National Ambient Air Quality Standards

### South Coast Air Basin Attainment Status

Standard	Level	Attainment Deadline	Attainment Status
1997 Annual PM <sub>2.5</sub>	15 µg/m <sup>3</sup>	2015	Attained in 2013
1997 24-hour PM <sub>2.5</sub>	65 µg/m <sup>3</sup>	2015	Attained in 2013
<b>2006 24-hour PM<sub>2.5</sub></b>	<b>35 µg/m<sup>3</sup></b>	<b>2019</b>	<b>Serious Nonattainment</b>
2012 Annual PM <sub>2.5</sub>	12 µg/m <sup>3</sup>	2025	Serious Nonattainment

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## 24-hour PM<sub>2.5</sub> Attainment Determination

- Attainment status determined by the “Design Value” at the highest site, the 3-year average of the annual 98<sup>th</sup> percentile of daily concentrations at each monitoring location

Year 1	Year 2	Year 3
2017	2018	2019
98 <sup>th</sup> percentile of 24-hr concentrations	98 <sup>th</sup> percentile of 24-hr concentrations	98 <sup>th</sup> percentile of 24-hr concentrations
3-Year Average = Design Value		

- 98<sup>th</sup> percentile depends on sampling frequency**
  - every day sampling - 8<sup>th</sup> highest reading
  - every third day sampling - 3<sup>rd</sup> highest reading

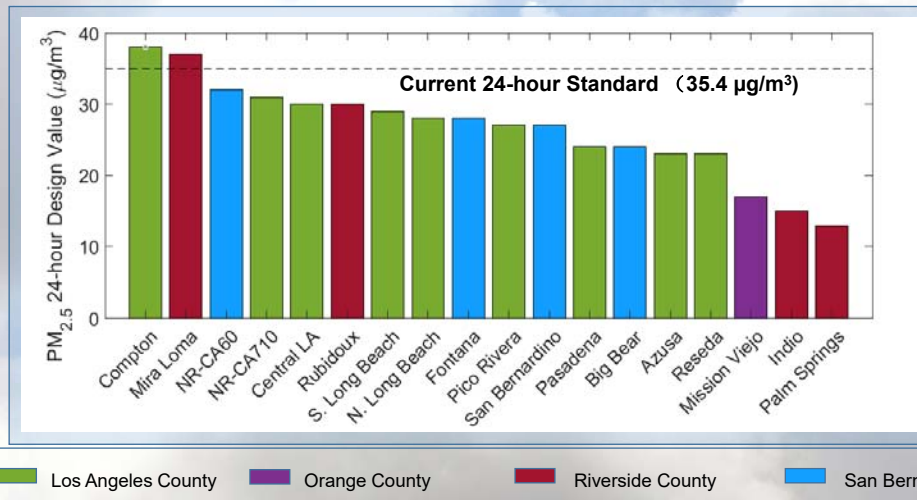
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## 2017-2019 3-year Design Values\*



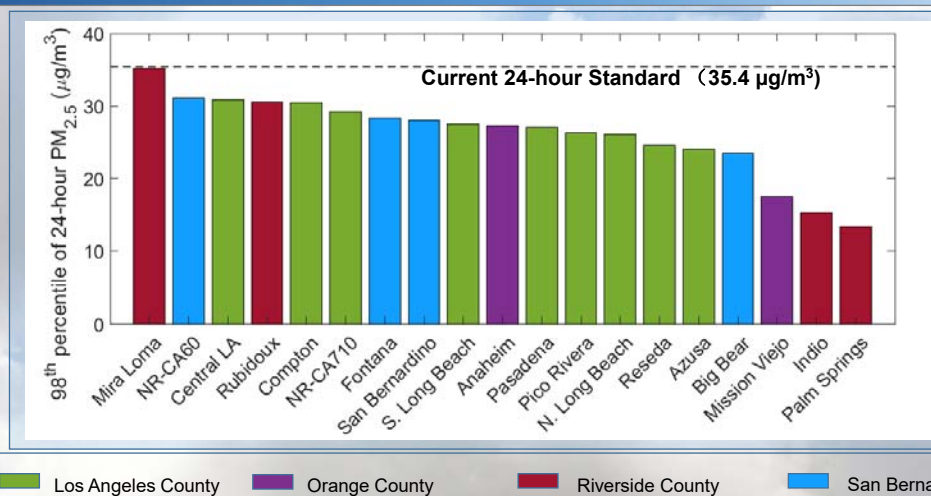
\* Data likely to be approved as exceptional events by U.S. EPA removed from analysis

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## Progress Towards Attainment based on 2018-2019 Data (2-year average)\*



Removing 2017 data, 2-year average of 98<sup>th</sup> percentiles is below standard at all stations

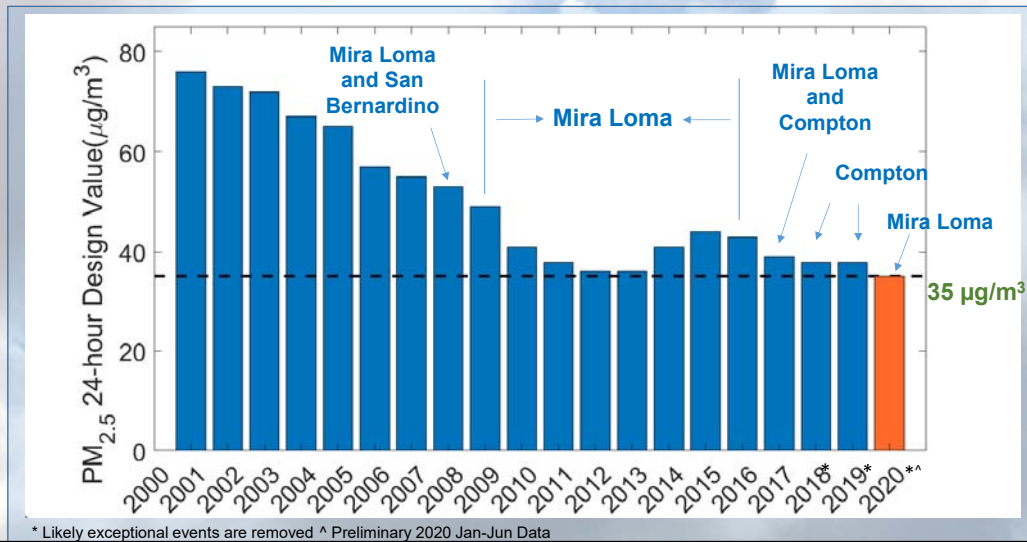
\* Data likely to be approved as exceptional events by U.S. EPA removed from analysis

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## Overall Progress towards Attainment



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## Attainment Status

- Since 2001, Basin maximum 98th percentile concentrations decreased by 51%
- Based on the design value for 2017-2019, South Coast Air Basin failed to attain the 2006 24-hour PM<sub>2.5</sub> standard by December 31, 2019
  - Both the Mira Loma and Compton sites exceeded the standard
- Mira Loma has had the highest PM<sub>2.5</sub> concentration since 2008
- For 2017-2019, Compton became the highest site, due to three abnormally high PM<sub>2.5</sub> episodes measured on January 1st and late December 2017
  - Staff is evaluating possible sources/causes (e.g., stagnant meteorology, direct PM<sub>2.5</sub> from wood burning, fireworks, other local sources)
  - High levels at Compton were not observed previously, nor since 2017

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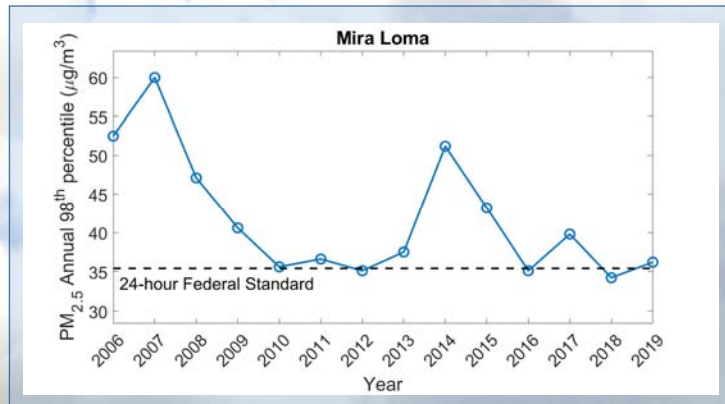
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## Progress in Mira Loma

- Mira Loma, design site since 2008, is impacted by secondary PM formation as well as local sources
- Mira Loma is very close to attainment
- Preliminary 2020 design value (years 2018-2020) to date shows that Mira Loma will attain by the end of 2020, if no more than 4 days above 35.5  $\mu\text{g}/\text{m}^3$  for rest of year (Nov/Dec)



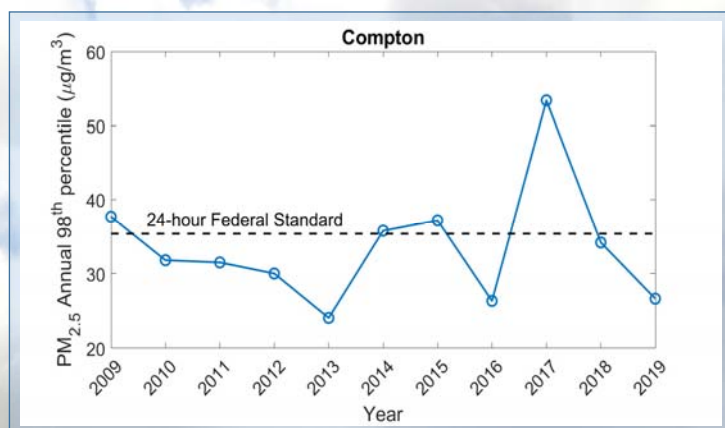
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## Progress in Compton

- Ambient data in Compton shows lower PM<sub>2.5</sub> levels prior to 2017 and a sharp increase in 2017 only
- Preliminary 2020 design value (years 2018-2020) to date is well below the standard, indicating Compton will attain the standard by the end of 2020, if no more than 7 days above 45  $\mu\text{g}/\text{m}^3$  for rest of year, which is very unlikely



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## Implications of Nonattainment

### EPA Notice of Failure to Attain

- Proposed rule published in Federal Register on July 10, 2020

### Contingency Measures

- Contingency provisions to be triggered in Rule 445-Wood Burning Devices
  - Curtailment threshold to be lowered from 30 to 29  $\mu\text{g}/\text{m}^3$

### State Implementation Plan (SIP) Revision

- Due to EPA on December 31, 2020

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## PM<sub>2.5</sub> Plan Revision – Key Requirements

### 5% Reduction of PM<sub>2.5</sub> or One of Its Precursors (NO<sub>x</sub>, NH<sub>3</sub>, SO<sub>x</sub>, and VOC)

- ✓ NO<sub>x</sub> emissions reduced by more than 5% per year by existing regulations

### Emission Inventory and Attainment Demonstration

- ✓ Updated emissions inventory; expeditious attainment expected in 2023 based on baseline emissions (existing regulations)

### Control Strategy Analysis

- ✓ Continued implementation of Serious area plan control strategy in 2016 AQMP
- ✓ Analysis of other feasible measures

### Reasonable Further Progress (RFP) and Quantitative Milestone

- ✓ To be evaluated/demonstrated based on reductions in baseline emissions

### Contingency Measures

- ✓ Contingency provisions already included in Rule 445 – Wood Burning Devices

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## Attainment Demonstration – Two-Fold Hybrid Approach

- **Compton** – Supplemental weight of evidence and air quality trend analysis based on monitoring data
  - Traditional attainment demonstration using chemical transport modeling is not appropriate for Compton
    - High PM episodes observed in 2017 were likely driven by anomalous human activities which are not reflected in the emissions inventory
    - If local emissions causing non-attainment are unknown, difficult to develop an effective control strategy
    - Traditional control strategy for Compton would require unrealistic levels of emissions regional reductions and may not be effective
  - Compton will very likely be in attainment before U.S. EPA considers plan
- **Mira Loma** – Traditional Approach - Updated emissions inventory/regional air quality modeling
  - Preliminary analysis indicates attainment with baseline emissions (existing regulations) with recently adopted regulations providing further assurances

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## Paths Forward



### Develop Required Plan

- Attainment strategy based on Mira Loma, with alternate approach for Compton
- Ongoing emission reductions from adopted rules and regulations
- Demonstrate annual reduction of 5% until attainment
- Plan may be moot if all sites attain by end of 2020 (roughly 50/50 chance)



### Clean Data Determination

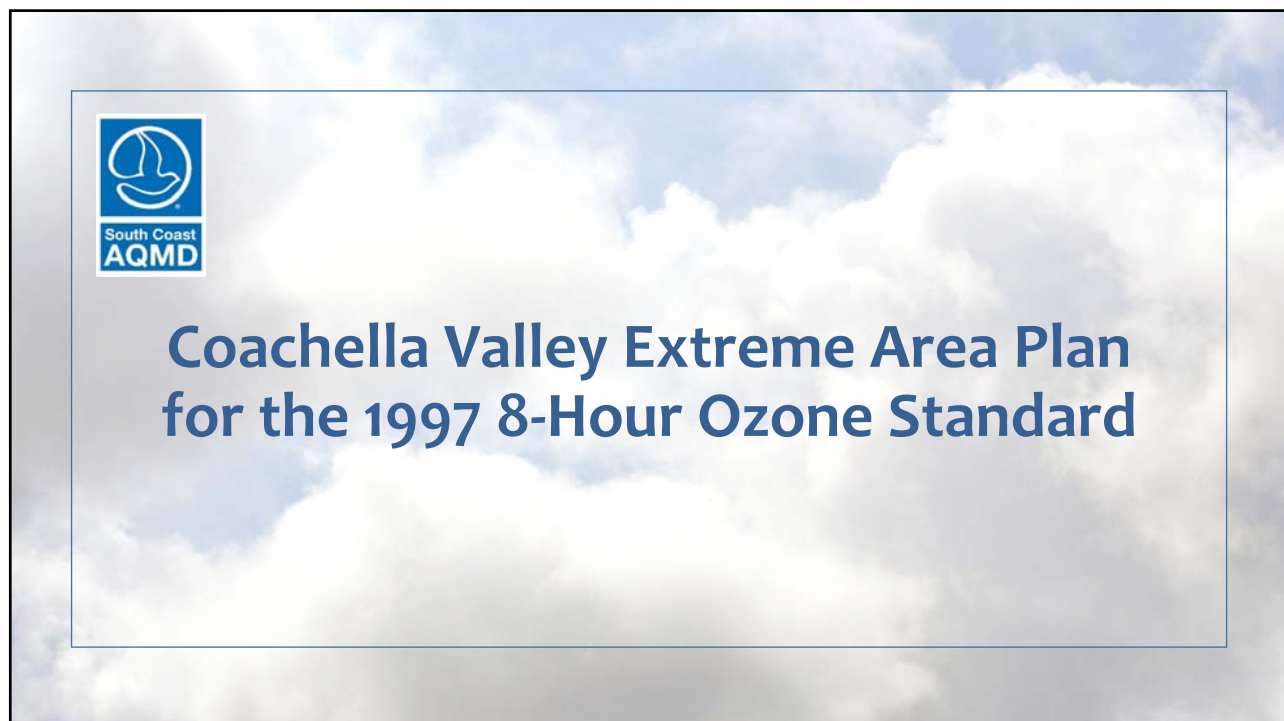
- Closely monitor PM<sub>2.5</sub> levels in 2020 (November/December)
- Possible exceptional events such as wildfire and fireworks to be addressed promptly working with CARB and EPA; these exceedances are excluded in design value calculations
- Potential Clean Data Determination by U.S. EPA if 2020 design values are below standard, attainment plan not needed

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## Ozone National Ambient Air Quality Standards

### Coachella Valley Attainment Status

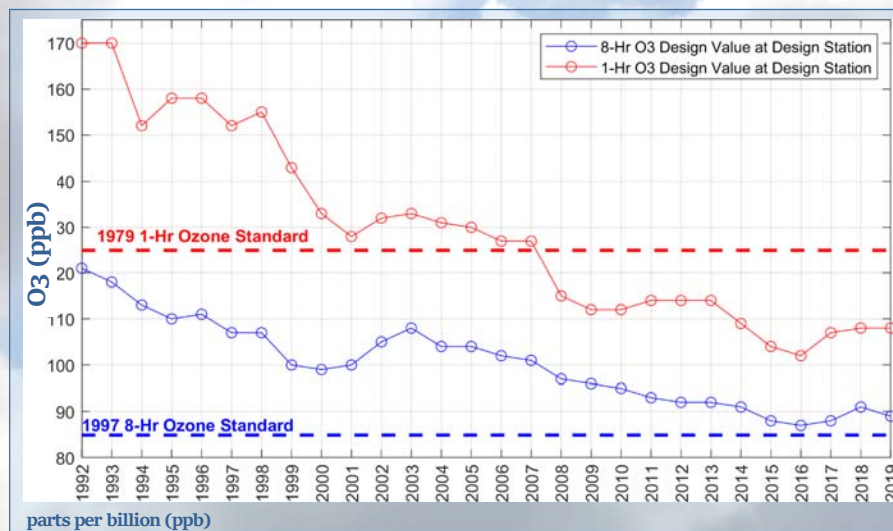
Criteria Pollutant	Averaging Time	Designation	Attainment Date
Ozone (O <sub>3</sub> )	(1979) 1-Hour (0.12 ppm)	Attainment	11/15/2007 (attained 12/31/2013)
	(1997) 8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024
	(2008) 8-Hour (0.075 ppm)	Nonattainment (Severe)	7/20/2027
	(2015) 8-Hour (0.070 ppm)	Nonattainment (Severe)	8/3/2033

23

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## Ozone Trend in Coachella Valley (design value)



24

24



## 1997 8-hour Ozone Attainment Status

- Coachella Valley was classified as a “Severe” nonattainment area, with an attainment date of June 15, 2019
  - Monitoring data (2016-2018) showed that the area did not attain the standard by the deadline
- On July 10, 2019, Coachella Valley was granted a voluntary reclassification from “Severe” to “Extreme” by the U.S. EPA
  - New attainment date is June 15, 2024
  - A revision to the State Implementation Plan (SIP) is required (due February 2021)

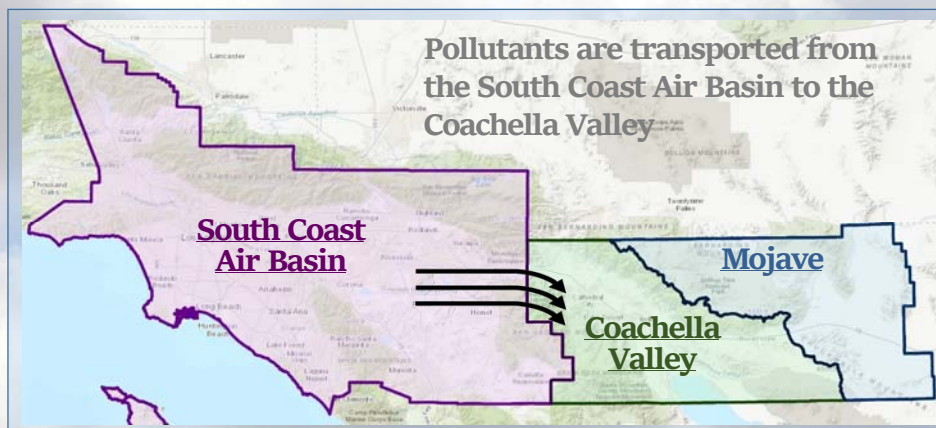
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## Air Quality Setting

- Ozone exceedances in Coachella Valley are primarily due to the direct transport of ozone and its precursors from the South Coast Air Basin

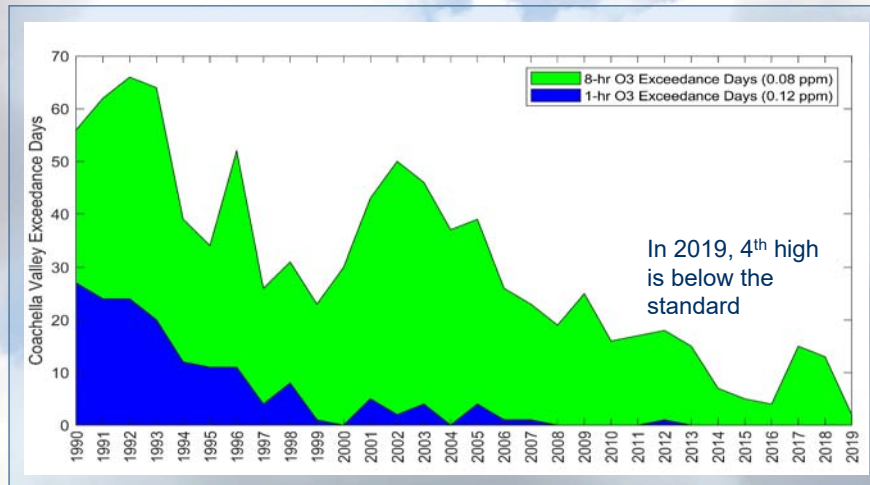


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## Ozone Trend in Coachella Valley (number of exceedance days)



27

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## Base and Future Year Design Values

Station	2018 Base Year Design Values (ppb)	2023 Future Year Design value (ppb)*
Palm Springs	89.3	83.2
Indio	84.3	79.1

\* Based on preliminary modeling, 2022 design value is also expected to be below the standard.

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## Pathway to Attainment

- **Attainment by 2023 is expected to be achieved based on baseline emissions**
  - Adopted rules and regulations provide continued emission reductions in future years
- **Recently adopted rules and regulations since 2016 AQMP as well as continued implementation of 2016 AQMP measures provide further assurance for 2023 attainment**
- **Based on preliminary modeling, attainment may be earlier (2022), but 2023 is retained as attainment year given uncertainties in meteorology, emissions inventory and modeling approach**

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## Extreme Area Plan – Key Requirements

### Emission Inventory and Attainment Demonstration

- ✓ Updated emissions inventory;
- ✓ Expeditious attainment expected by 2023 based on baseline emissions (existing regulations)

### Control Strategy Analysis

- ✓ Continued implementation of control strategy in 2016 Air Quality Management Plan
- ✓ Analysis of Reasonably Available Control Technology / Reasonably Available Control Measures (RACT/RACM)

### Reasonable Further Progress

- ✓ Achieved based on reductions in baseline emissions

### Major Source Thresholds Changed from 25 to 10 Tons per Year (NOx and VOC)

- ✓ Amendments to Title V and New Source Review Programs underway

### Contingency Measures

- ✓ Contingency provisions to be included in a rule

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## Background – 2015 8-hour Ozone Standard

- In 2015, the U.S. EPA strengthened the National Ambient Air Quality Standards (NAAQS) for ozone to 70 parts per billion (ppb)
- Nonattainment classifications for South Coast Air Basin and Coachella Valley

Standard	Level	South Coast Classification	Coachella Valley Classification	Attainment Date
2015 8-hour Ozone	70 ppb	Extreme	Severe	August 3, 2038 (South Coast) August 3, 2033 (Coachella Valley)
2008 8-hour Ozone	75 ppb	Extreme	Severe	July 20, 2032 (South Coast) July 20, 2027 (Coachella Valley)
1997 8-hour Ozone	80 ppb	Extreme	Extreme*	June 15, 2024 (both South Coast and Coachella Valley)
1979 1-hour Ozone	120 ppb	Extreme	Attainment	February 6, 2023 (South Coast)

\*Voluntary reclassification from severe to extreme in July 2019

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## Key SIP Elements and Due Dates for Severe and Extreme Nonattainment Areas

	8/3/2020	8/3/2021	8/3/2022	8/3/2028
Severe and Extreme Areas	Baseline Year Emissions Inventory	Nonattainment New Source Review	Attainment Demonstration	Section 185 Fee Program (Failure to attain)
	Emissions Statement		Reasonably Available Control Measures	
	Reasonably Available Control Technology Demonstration		Reasonable Further Progress	
			Conformity	
			Contingency Measures	
	Vehicle Miles Traveled Offset		Enhanced Inspection and Maintenance Program	
Extreme Area Only		Clean Fuels for Boilers	<div>2022 AQMP</div>	

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## 2022 AQMP Control Measures

- **South Coast AQMD Control Measures**
  - **Stationary Sources**
  - **Mobile Sources**
- **CARB's Updated SIP State Strategy for South Coast Air Basin**
  - **Mobile Sources**
  - **Consumer Products**
- **SCAG's 2020 Regional Transportation Plan (RTP)/Sustainable Communities Strategy (SCS) and Transportation Control Measures TCM)**

35

35



## Control Measure Development – Proposed Approach

- **Proposed working groups for three key areas**



Mobile Source – On Road



Mobile Source – Off Road



Residential and Commercial Buildings

- **Bimonthly meetings (more frequent meetings as needed)**
- **November 2020 to October 2021 (expected)**
- **Open to all**
- **Other working groups?**

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## Overall Control Strategy for Attaining 2015 8-hour Ozone Standard

- Extensive transition to near-zero (NZE) and zero-emissions (ZE) technologies in mobile and stationary sources, where feasible
- Transition to cleanest available technologies if NZE/ZE not feasible
- Regulatory measures; Incentive programs
- Eliminate/minimize reliance on 182(e)(5) measures
- Seek legislative authority where applicable
- Seek new sources of funding for new/existing incentive programs
- Work closely with state and local governments to maximize reductions from residential and commercial buildings

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## 2022 AQMP Schedule



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# Virtual Inspections

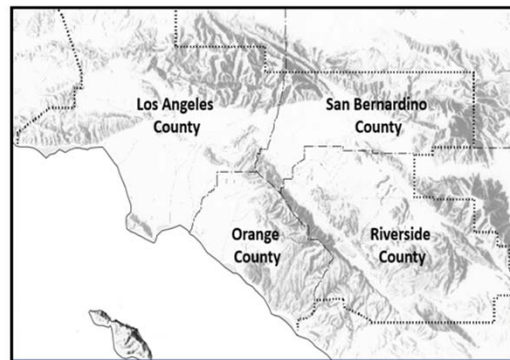
Presented by Pavan Rami  
Staff Specialist  
Office of Compliance & Enforcement

1



## South Coast AQMD

- An area over 10,000 square miles that is home to approximately 17 million people.
- Regulatory authority over stationary sources and limited types of mobile sources



2



## COVID-19



- On March 12, South Coast AQMD initiated its Continuity of Operations Plan (COOP) in response to the COVID-19 pandemic
- All staff were instructed to telework including field staff who conducted their normal in-office activities from their homes, and not from their usual office or field workspaces
- South Coast AQMD staff are certified as Essential Critical Infrastructure Employees
- Develop strategies to maintain a strong field presence while taking necessary safety precautions

3

## Remote Inspections



4



# Remote Inspections

A way to maintain inspection goals

Should be **equivalent** to an in-person inspection to the extent possible

Use technology to assist in inspections

5



# CARB PERP

## Title 13, Div. 3, Ch. 9, Article 5, Section §2460(b)(1)

When a facility receives a new or renewed PERP registration, the facility is required to submit an inspection request to the assigned home district within 45 days.

The inspection is arranged with the designated home district and the facility on a date and location that is agreed upon by both parties.



6



## Common equipment Registered in PERP

Air Compressors



Generators



7



## Common equipment Registered in PERP

Concrete Batch Plant



Sand Blasting Pot



8



# CARB PERP



Two types of PERP inspection:

- In-field is where the equipment is operated
- Non-field is where the equipment is stored

Both types of inspections can be done remotely



9

# Approval



Compliance and Enforcement conferred with CARB for approval for PERP remote inspections

CARB's approval was based on language in the regulation - date and location that is agreed upon by both parties

Staff developed a procedure to conduct remote inspections

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# The Inspection



The facility submits an inspection request after receiving a new or renewed registration

The inspector will contact the facility and arrange an inspection and agree on the date and time

The inspector works with the facility on the preferred video conferencing application

- Skype, Zoom, FaceTime, etc.



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# The Inspection



During the inspection, the inspector 'meets' the facility virtually via video conferencing

- Equipment specification plate
- CARB PERP metal placard
- PERP Registration and Recordkeeping forms are maintained at the equipment



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## The Inspection

If the inspector experiences poor video quality or needs additional information, they will request the facility to provide pictures via email

The inspector will request recordkeeping forms and other paperwork via email to review for compliance

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## Enforcement

- Email an electronic copy of the notice to the facility representative
- Mail the notice via Certified Mail



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## Benefits and Challenges

### Benefits

- Allows for inspection of out-of-state PERP units
- Reduced drive time
- Safety - minimizes in-person contact

### Challenges

- Inspector is not on-site to observe other activities
- Inconsistent video quality and cell reception

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## Other Equipment

Explore inspecting other types of equipment such as emergency generators



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**ENVIRONMENTAL JUSTICE  
COMMUNITY  
PARTNERSHIP**

## Environmental Justice Community Partnership

### Program Update

Alicia Rodriguez  
Public Affairs Specialist/EJ Lead  
Legislative, Public Affairs and Media

October 23, 2020







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# Environmental Justice Community Partnership (EJCP)

**Overview:**

- Advisory Council Meetings
- Environmental Justice Advisory Group
- Environmental Justice Inter-Agency Task Force Meetings
- Clean Air Program for Elementary Students (C.A.P.E.S.)
- Annual Environmental Justice Conference
- Annual Environmental Justice Student Bus Tour
- Continued community engagement throughout all four counties
- Continued engagement with EJ Stakeholders nationally



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## EJCP Advisory Council

The mission of the Advisory Council is to ensure that the EJCP programs address the air quality concerns of diverse communities throughout South Coast AQMD's jurisdiction. Members advise and assist South Coast AQMD staff on the development and implementation of EJCP programs.

### Participating Members Represent:

- Academia
- Community members
- EJ/Community Organizations
- Health
- Labor
- Non-Profit
- South Coast AQMD
- Union

### 2020 Meeting Dates

Wednesday  
March 4, 2020

Wednesday  
June 3, 2020

Wednesday  
September 2, 2020

Wednesday  
December 2, 2020

3



## Environmental Justice Advisory Group (EJAG)

The mission of EJAG is to advise and assist South Coast AQMD in protecting and improving public health in the most impacted communities through the reduction and prevention of air pollution.

### Participating Members Represent:

- Academia
- Health Professionals
- EJ/Community Members
- Labor
- Non-Profit
- Union
- Community Stakeholders

### 2020 Meeting Dates

Friday, January 24, 2020

Friday, April 24, 2020

Friday, August 28, 2020

Friday, October 23, 2020

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## Inter-Agency Task Force

The Environmental Justice Inter-Agency Task Force creates opportunities for regular collaboration and communication between agencies that respond to environmental justice issues and address complaints by the general public.

### Participating Agencies and Organizations:

- Environmental Justice Leaders
- Executives from Multiple Federal, State and Local Government Agencies

### 2020 Meeting Dates:

- Wednesday, February 12, 2020
- Wednesday, May 13, 2020
- Wednesday, August 12, 2020
- Wednesday, November 4, 2020



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## Inter-Agency Task Force Goals



**Implement an environmental agency staff training**



**Create and distribute a list of resources and programs available to the community**



**Expand and distribute a public inter-agency referral directory**



**Partner with LA County Public Works to add additional services on their online service locator**



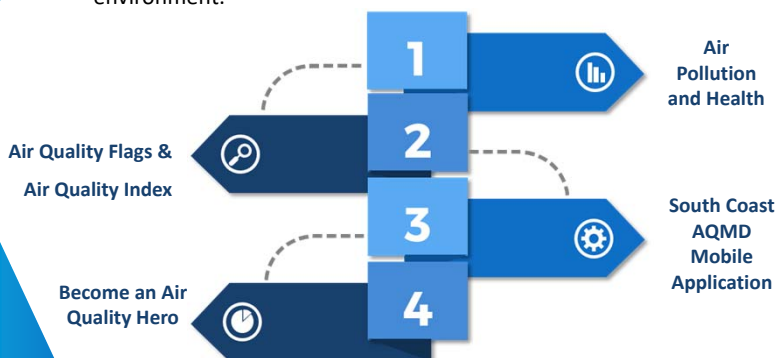
**Create an internal inter-agency staff directory**

6



## Clean Air Program for Elementary Students (C.A.P.E.S.)

The C.A.P.E.S. program educates elementary school students on air pollution and how they can do their part to protect the environment.



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## 6<sup>th</sup> Annual Environmental Justice Conference

A New Era of Environmental Justice - Our Community Survival  
Wednesday, October 28, 2020

### Platforms: Zoom & WHOVA

- AB 617 Finding Success in Community Partnerships and Paving a Path Together
- Youth United to Change the World
- Hearing the Voice of Health Professionals- The Future of America
- Women in the Environmental Justice Movement
- A Closer Look - Tribal Nations on the Frontlines

### Plenary Session:

- Black Lives Matters - Race and Environmental Justice



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## Environmental Justice Student Bus Tour

The EJ Student Bus Tour engages high school and university students in learning how air pollution affects environmental justice communities by visiting communities directly impacted by industrial facilities, ports, and transportation corridors.

### 2020 Virtual Bus Tour - San Bernardino County

Location: San Bernardino County

Partnerships: San Bernardino Valley College and Community Leaders

Tour: Virtual live bus tour using Google Earth and voices of community members



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## Environmental Justice Efforts

Continued staff engagement with Environmental Justice Organizations and leaders throughout the region.  
National EJ Stakeholders Conference Committee/Rep. Raul Grijalva

### Examples of Other Efforts at South Coast AQMD:

- AB 617
- Young Leaders Advisory Council
- Why Healthy Air Matters Program



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To Report Air Quality  
Concerns in Your Area

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**Call 1-800-CUT-SMOG**

Please contact

**Alicia Rodriguez**  
**909-396-2311**

[arodriguez1@aqmd.gov](mailto:arodriguez1@aqmd.gov)

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