



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Reclassification of Coachella Valley for the 1997 8-Hour Ozone Standard

Public Consultation Meeting
Wednesday, May 1, 2019

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South Coast Air Quality Management District

- **Local air pollution control agency**
 - Largest of the 35 local air agencies in CA and in the U.S.
 - 10,743 square miles
 - 17 million residents

- **Responsibilities**
 - Regulate emissions from stationary sources
 - Develop and implement plans to meet national air quality standards
 - Permit and inspect 28,400 affected businesses
 - Administer over \$100 million of incentive funding annually



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National Ambient Air Quality Standards (NAAQS)

- U.S. Environmental Protection Agency (EPA) establishes NAAQS for various air pollutants to be protective of human health
- Areas not meeting the standards are designated as nonattainment areas based on exceedance level (Marginal, Moderate, Serious, Severe, Extreme)
- Attainment deadlines established based on classification with more time provided for areas with worse air quality
- When an area is unable to attain a standard, the Clean Air Act allows air authorities to ask for a reclassification to the next higher level of nonattainment
 - This provides more time to meet the standard

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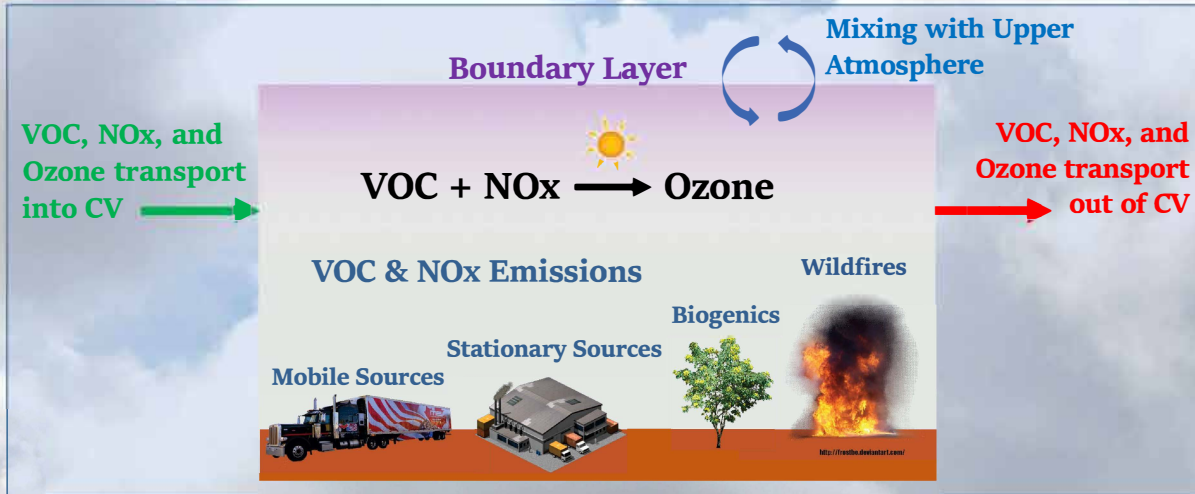
Attainment Status for Coachella Valley for Ozone and Particulate Matter (PM)

Criteria Pollutant	Standard	Designation	Attainment Date
Ozone (O ₃)	(1979) 1-Hour (0.12 ppm)	Attainment	11/15/2007 (attained 12/31/2013)
	(2015) 8-Hour (0.070 ppm)	Severe Nonattainment	8/3/2033
	(2008) 8-Hour (0.075 ppm)	Severe Nonattainment	7/20/2027
	(1997) 8-Hour (0.08 ppm)	Severe Nonattainment	6/15/2019
PM2.5	(2006) 24-Hour (35 µg/m ³)	Attainment	N/A
	(2012) Annual (12.0 µg/m ³)	Attainment	N/A
	(1997) Annual (15.0 µg/m ³)	Attainment	N/A
PM10	(1987) 24-hour (150 µg/m ³)	Serious Nonattainment	12/31/2006

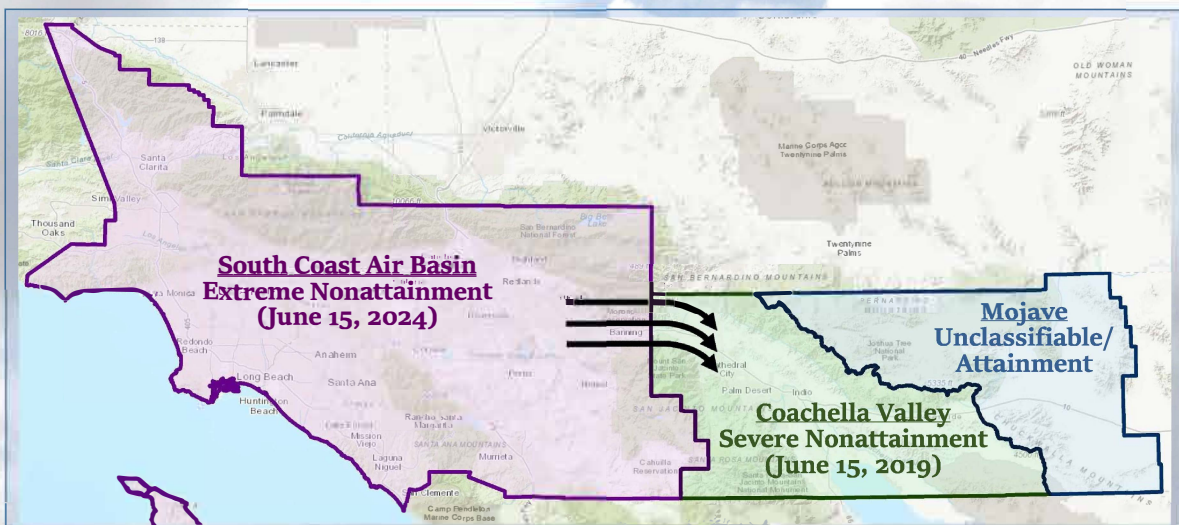
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Ozone Formation

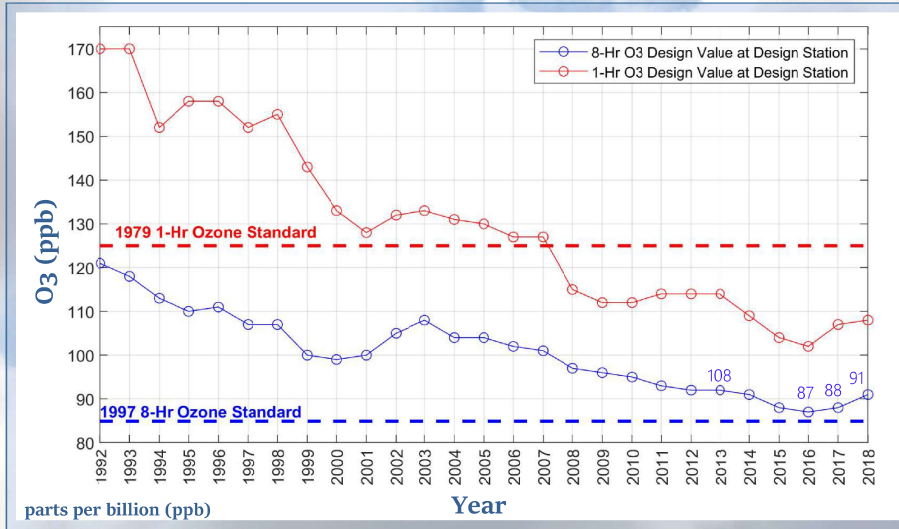


Ozone Levels in Coachella Valley Directly Impacted by Pollutant Transport from South Coast Air Basin





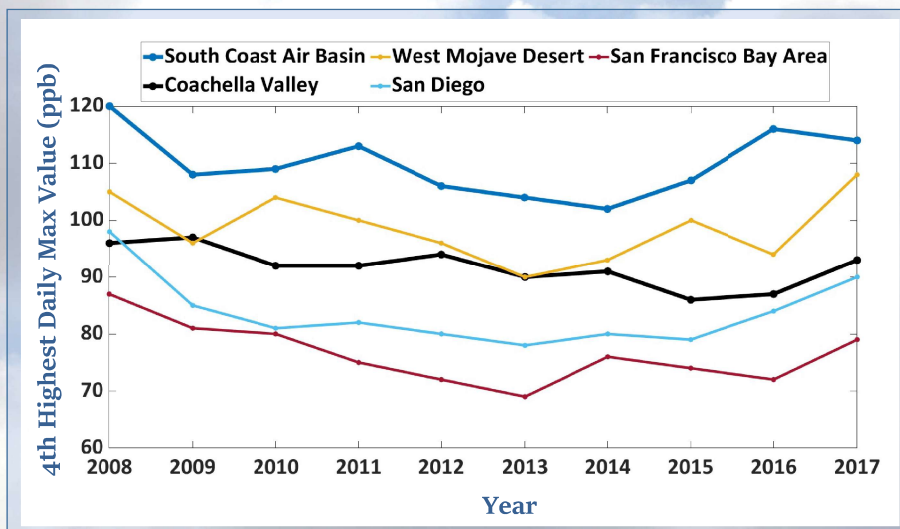
Ozone Design Value Trend in Coachella Valley



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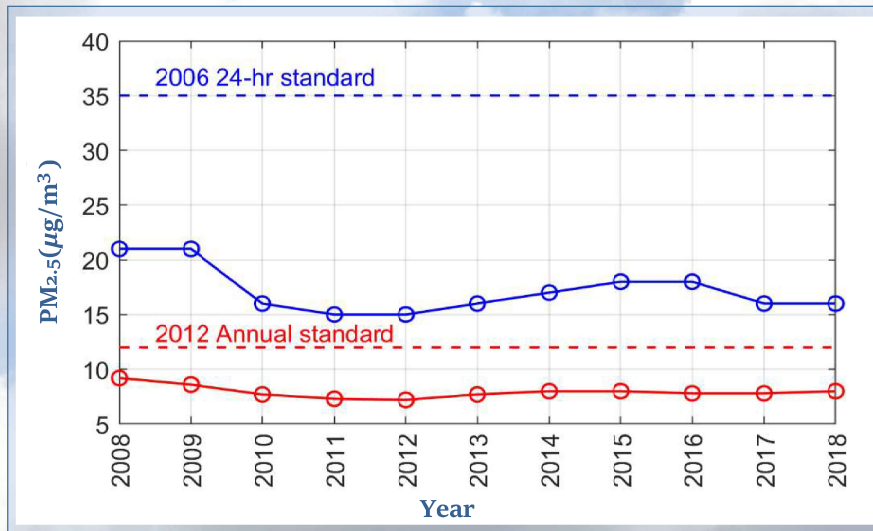
Ozone Trends in Other CA Air Basins



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The Coachella Valley Meets the Federal PM_{2.5} Standards



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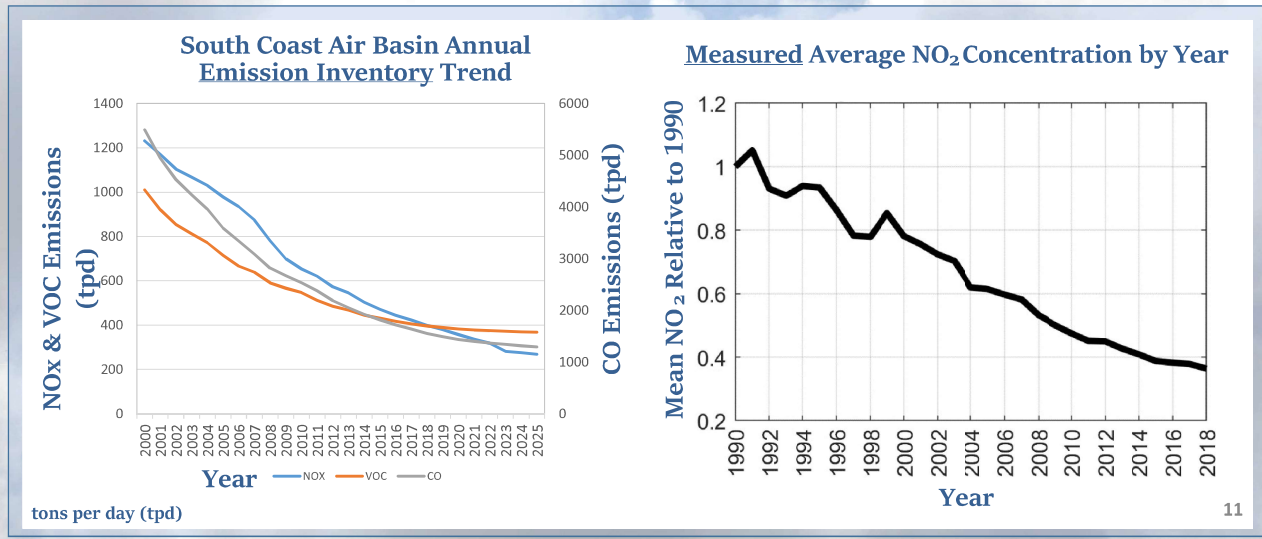
PM₁₀ Attainment in the Coachella Valley

- PM₁₀ measured at Indio, Palm Springs, and Mecca
- Days that exceed the federal 24-hour PM₁₀ standard are associated with high-wind natural events
- Coachella Valley PM₁₀ Attainment Re-designation Request was postponed by U.S. EPA pending additional monitoring and analysis in Mecca
- South Coast AQMD plans to seek re-designation once sufficient data is finalized and evaluated

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Trend in Emissions and Measurements



Recommended Approach for 8-hour Ozone Standard

South Coast AQMD to request for reclassification to Extreme nonattainment

- New attainment date of June 2024
- Major source threshold will change from 25 to 10 tons per year
- Plan revision to demonstrate attainment



Consequences of Not Seeking Reclassification

U.S. EPA Issues a Finding of Failure to Attain

- Requires a nonattainment fee for major sources
- Major source threshold will change from 25 to 10 tons per year
- Plan revision to demonstrate attainment

Still
Requires

Still
Requires

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Will Coachella Valley Meet the Standard?

- South Coast AQMD anticipates that emissions will be reduced in the future due to current and planned regulations
- Current projections show Coachella Valley should be able to meet the standard by 2024
- Unpredictable year-to-year variability such as higher temperatures and wildfires could contribute to higher ozone levels
- South Coast AQMD is conducting a study to evaluate the meteorological trends contributing to the recent poor air quality

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Staff Recommendation

- **Submit request to U.S. EPA for reclassification of Coachella Valley to Extreme nonattainment status**
 - Avoids nonattainment penalty fee for major sources
 - Provides additional time to demonstrate attainment (up to 5 years)
 - Requires a State Implementation Plan(SIP) revision to demonstrate attainment as expeditiously as possible, but not later than June 2024
 - SIP will be based on existing and planned regulations and would not include specific regulations for local sources in Coachella Valley

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Number of Facilities Under Severe and Extreme Classifications

Attainment Designation	Major Source Threshold for VOC & NO _x (tons per year)	# of Facilities	Facility Potential to Emit (tons per year)	Title V	New Source Review
Severe	25	3	≥ 25	No additional impacts	
Extreme	10	8	≥ 10	Potential Impacts	Potential Impacts

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Impact on Facilities

- **Five existing facilities potentially impacted**
 - **Industry**
 - Manufacturing
 - Hospitals
 - Government
 - Transportation
 - **Actual emissions of VOC or NOx**
 - Two facilities emit less than 5 tpy
 - Three facilities emit less than 1 tpy
 - **Option to apply for permit changes to limit actual and/or PTE emissions**
- **Expanding existing facilities becoming major sources**
- **New major source facilities**

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Public Outreach

- **Briefings made to community organizations, local South Coast AQMD governing board members, local government, and legislative staff**
- **Outreach to media outlets**
- **Public notifications**
 - Mailed to 1,039 facilities in Coachella Valley
 - Emailed to over 48,000 residents of Coachella Valley
 - Emailed to nearly 900 subscribers and interested parties
- **Posted on South Coast AQMD social media**

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Public Consultation Meetings

Wednesday, May 1st, 2019

2:00 p.m.

Palm Desert Civic Center
Council Chamber
73510 Fred Waring Drive
Palm Desert, CA 92260

6:00 p.m.

Coachella Branch Library
1500 6th Street
Coachella, CA 92236
*Spanish interpretation will be
provided at this meeting.*

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Public Process

April



17th - Release of Draft
Staff Report for
Public Comment

May



1st - Public Consultation
Meetings in Coachella Valley
3rd - Governing Board Briefing
15th - Public Comments Due

June



7th - Governing Board Approval
7th - Submittal to CARB/U.S. EPA

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Supporting Documents

- Preliminary Draft Staff Report - Request for Reclassification of Coachella Valley for the 1997 8-Hour Ozone Standard
- Notice of Public Consultation Meetings
Aviso de Reunión de Consulta Públicas (Spanish)
- Flyer for Public Consultation Meetings
Volante para las Reuniones de Consulta Pública (Spanish)
- Fact Sheet
Hoja de Hechos (Spanish)

<http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan>

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Submission of Documents or Comments

Please address questions, comments, documents, or other relevant information to:



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South Coast AQMD
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Diamond Bar, CA 91765
Telephone: (909) 396-2382
Email: kgamino@aqmd.gov

Written comments should be submitted no later than
Wednesday, May 15, 2019.

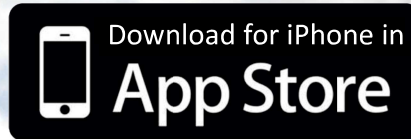
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South Coast AQMD Resources for Reporting Air Quality Concerns

South Coast AQMD Telephone Hotline

1-800-CUT-SMOG

(1-800-288-7664)

South Coast AQMD Website

<https://www.aqmd.gov/home/air-quality/complaints>

South Coast AQMD Smartphone Application

Available on Apple and Android app stores.

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

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Questions and Answers

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