

Proposed Amended Regulations XIII, XX, and XXX



Public Workshop
September 25, 2020

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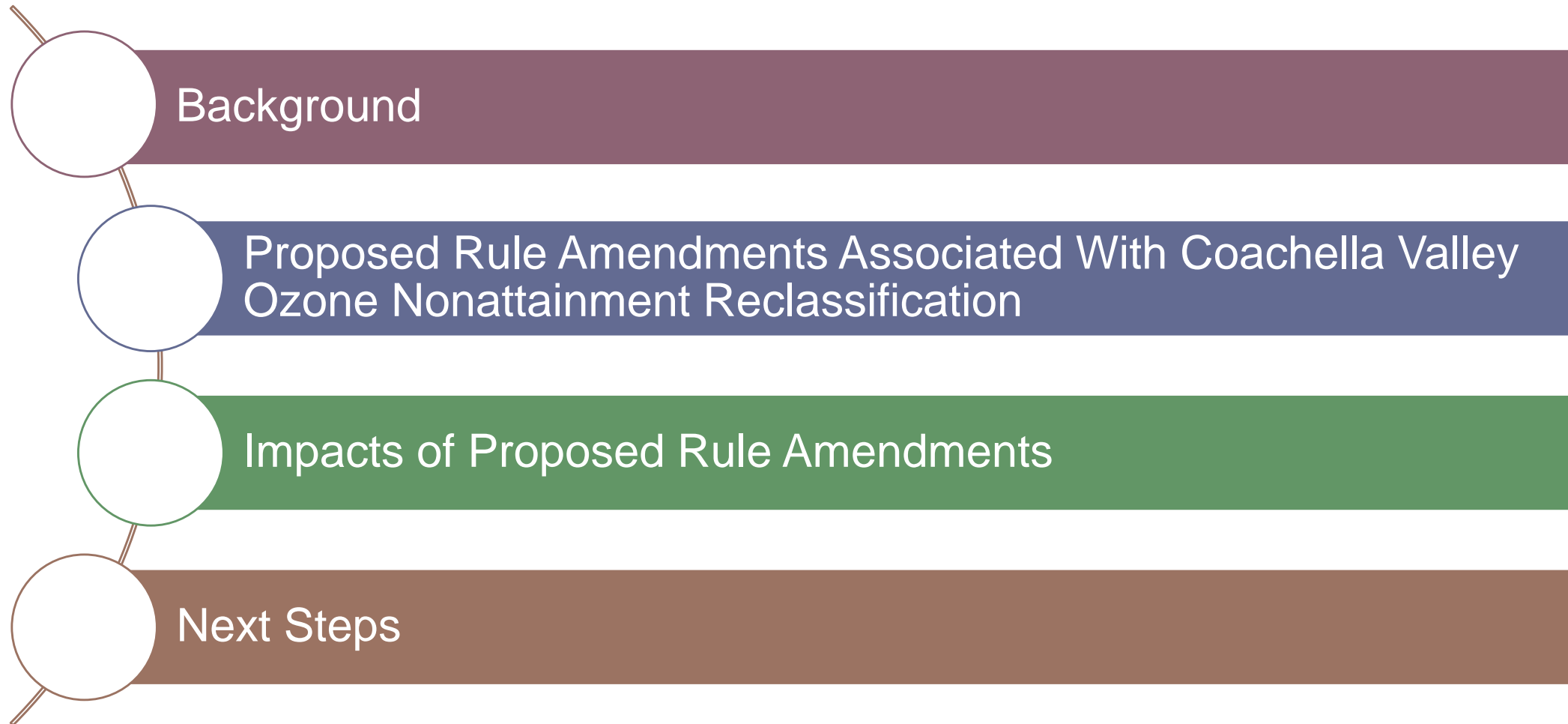
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Zoom Webinar ID: 981 1061 2879 (applies to all)

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Agenda

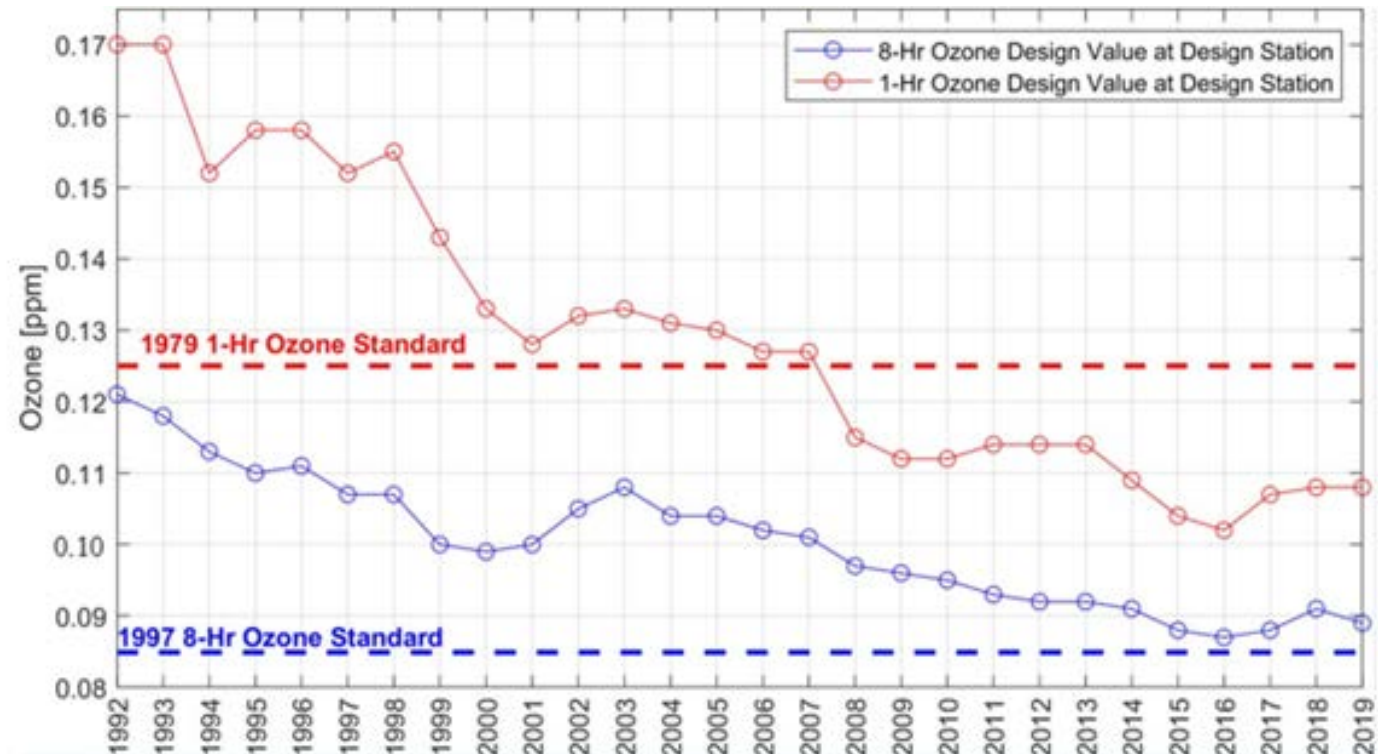


National Ambient Air Quality Standards (NAAQS)

- U.S. EPA establishes National Ambient Air Quality Standards (NAAQS) for various air pollutants to protect human health
- There are three NAAQS for 8-hour ozone
 - 8-hour ozone (1997) of 0.08 ppm
 - 8-hour ozone (2008) of 0.075 ppm
 - 8-hour ozone (2015) of 0.070 ppm
- Areas not meeting the standard are designated as “nonattainment areas”
- There are six designations for classifying nonattainment based on how far above the standard or the exceedance level
- If an area is unable to attain a standard, the Clean Air Act allows agencies to request for a reclassification to the next higher level of nonattainment to allow more time to meet the standard

Ozone Trend in Coachella Valley

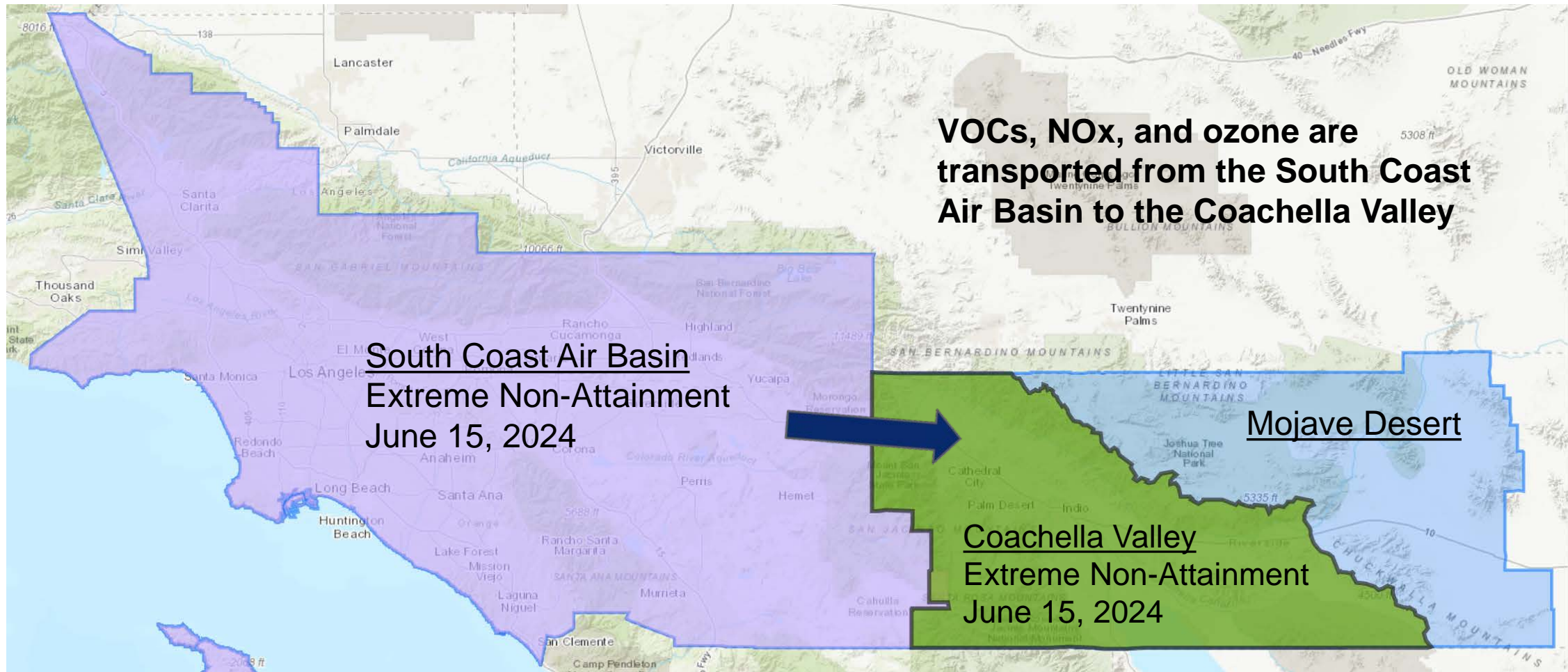
- Ozone levels have been decreasing in the South Coast Air Basin and Coachella Valley over the years
- Unusual weather patterns in 2016 and 2017, such as higher temperatures and stagnant conditions, increased ozone statewide



ppm = parts per million

Ozone Exceedance Levels in Coachella Valley Primarily Due to Pollutant Transport From South Coast Air Basin

- Ground-level ozone is formed by the reaction of its precursors, volatile organic compounds (VOCs) and oxides of nitrogen (NOx), in the presence of sunlight.



Coachella Valley 8-Hour Ozone (1997) Nonattainment Classification

- Coachella Valley was previously classified as a Severe-15 nonattainment area for the 1997 8-hour ozone NAAQS with an attainment date of June 15, 2019
- Despite improvements in ozone air quality, higher ozone levels were experienced 2017 and 2018
- U.S. EPA granted the South Coast AQMD's request to voluntarily reclassify the Coachella Valley from "Severe-15" to "Extreme" for the 1997 8-hour ozone NAAQS
- Coachella Valley is anticipated to attain the standard earlier than the attainment deadline of June 15, 2024

Proposed Rule Amendments Associated
With Coachella Valley Ozone
Nonattainment Reclassification

Regulatory Changes Needed

- Reclassification of Coachella Valley requires amendments to
 - Regulation XIII – New Source Review (NSR)
 - Regulation XX – Regional Clean Air Incentives Market (RECLAIM)
 - Regulation XXX – Title V
- Rules within these regulations have specific thresholds that are associated with the classification of Coachella Valley for ozone
- Since VOC and NO_x are precursors to ozone, proposed changes to thresholds and revisions are focused on these two pollutants
- Most of the rules refer to Coachella Valley as the “Riverside portion of the Salton Sea Air Basin”

Proposed Amended Regulation XIII – New Source Review

- Regulation XIII establishes New Source Review (NSR) requirements for permitting new, modified and relocated sources
- Proposed amendments are needed to lower the thresholds for Major Polluting Facility and Major Modification¹ for facilities in Coachella Valley
- Since South Coast AQMD currently uses a 1 pound per day threshold to comply with State NSR for all modifications, no foreseeable impacts to facilities in Coachella Valley

	Pollutants	Current Threshold	Proposed Threshold
Major Polluting Facility Rule 1302 Subdivision (r)	VOC or NOx	25 tons per year or more	10 tons per year or more
Major Modification Rule 1302 Subdivision (s)	VOC or NOx	25 tons per year or more	1 pound per day or more

¹ Consistent with federal definitions

Proposed Amended Regulation XX – RECLAIM

- Regulation XX establishes requirements for NOx and SOx facilities in the RECLAIM program and includes NSR requirements
- Proposed amendments lower the threshold for a Major Modification in Coachella Valley consistent with the federal definition of Major Modification
- Since South Coast AQMD currently uses a 1 pound per day threshold to comply with State NSR for all modifications, no foreseeable impacts to RECLAIM facilities in Coachella Valley

	Pollutant	Current Threshold	Proposed Threshold
Major Modification Rule 2000 Paragraph (c)(44)	NOx	25 tons per year or more	1 pound per day or more

Proposed Amended Regulation XXX – Title V

- Regulation XXX establishes requirements to standardize air quality permits and the permitting process for the largest emission sources
- Revisions to Regulation XXX are necessary to reduce the Title V applicability thresholds for VOC and NOx emissions for facilities in Coachella Valley
- Proposed amendments will reduce the PTE applicability thresholds from 25 to 10 tons per year for VOC or NOx
- Lowering the threshold means more facilities in Coachella Valley could be subject to Title V requirements

Pollutant	Current PTE Threshold	Proposed PTE Threshold
VOC or NOx	25 tons per year or more	10 tons per year or more

Other Proposed Amendments to Regulation XXX

- Regulation XXX currently establishes two applicability thresholds for Title V facilities
 - Phase One applicability thresholds were based on the facility's reported annual emissions
 - Phase Two applicability thresholds were based on the facility's PTE emissions
- Phase One is no longer needed since applicability is based solely on the PTE applicability thresholds
- Proposed amendments will remove references to Phase One and Phase Two, and Title V applicability will be based on the PTE applicability thresholds

Impacts of Proposed Rule Amendments

Potential Impacts to Facilities – Proposed Amended Regulation XIII (NSR) and Regulation XXX (Title V)

- By lowering the threshold, Major Polluting Facilities will now include facilities that emit or have a PTE of 10 tons per year or more of VOC or NOx emissions
- Two facilities have a PTE between 10 and 25¹ tons per year of VOC or NOx emissions
 - Both facilities have actual emissions that are well below the Major Polluting Facility threshold and have the opportunity to take a permit limit to lower their PTE below 10 tons per year

¹ Since facilities with a PTE above 25 tons per year are already Major Polluting Facilities, analysis focuses on facilities with a PTE between 10 and 25 tons per year of VOC or NOx emissions

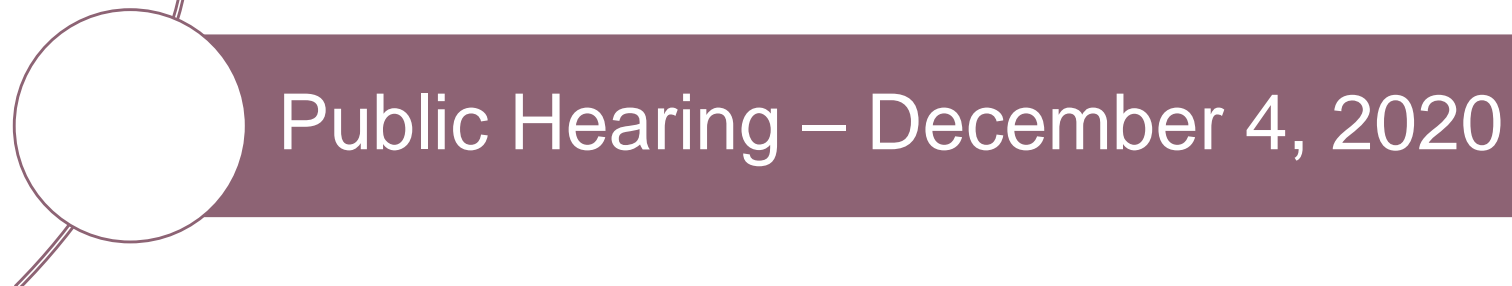
Next Steps



Stationary Source Committee – October 16, 2020



Set Hearing – November 6, 2020



Public Hearing – December 4, 2020

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