



Agenda Item 2

Overview of 2022 AQMP

**2022 Air Quality Management Plan (AQMP)
Control Measures Workshop – Afternoon Session**

November 10, 2021



Background – 2015 8-hour Ozone Standard

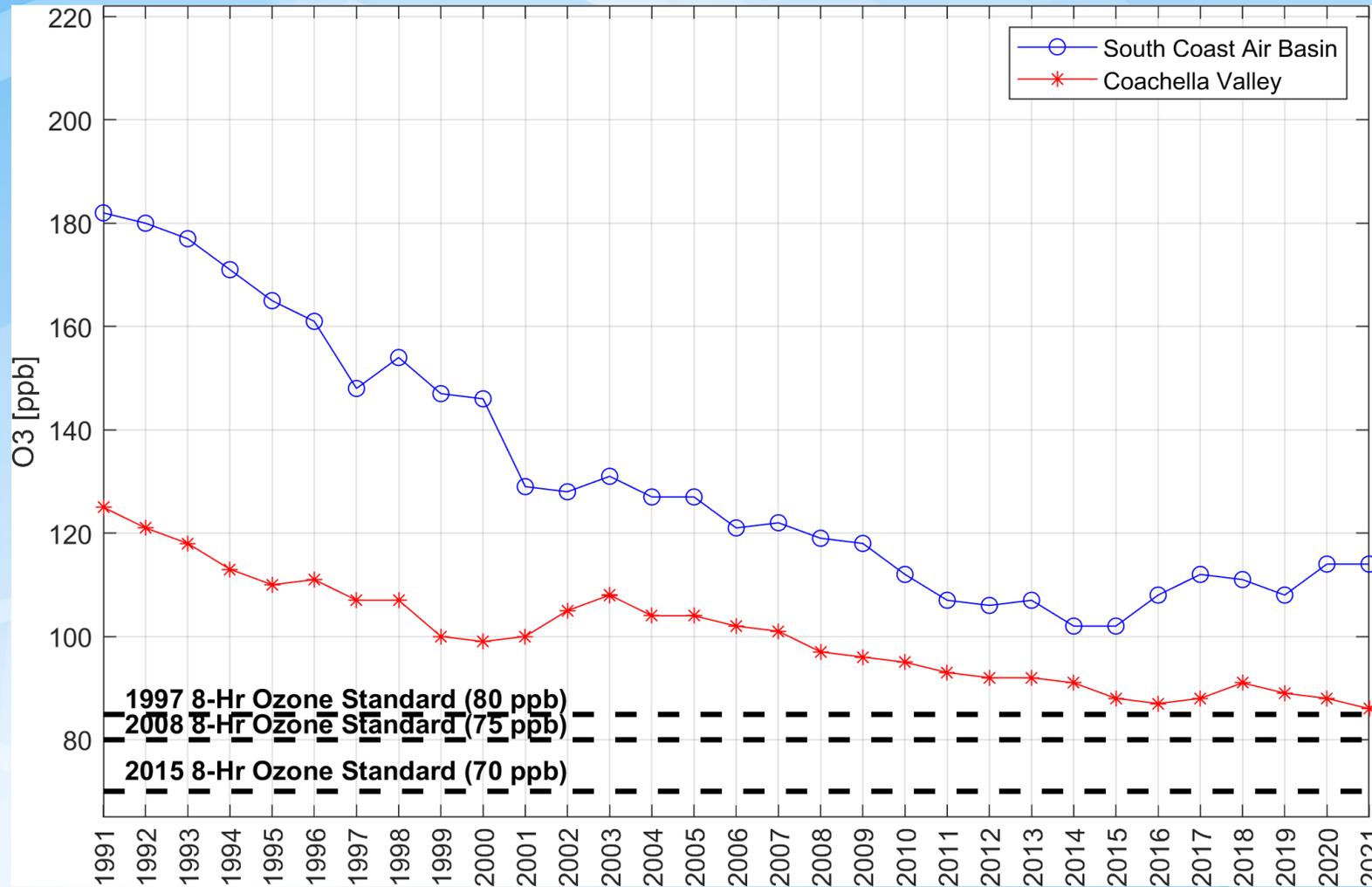
- In 2015, the U.S. EPA strengthened the National Ambient Air Quality Standards (NAAQS) for ozone to 70 parts per billion (ppb)

Nonattainment classifications for 2015 8-hour Ozone NAAQS (70 ppb)

| Standard | Classification | Attainment Date | Attainment Year |
|-----------------------|----------------|-----------------|-----------------|
| South Coast Air Basin | Extreme | August 3, 2038 | 2037 |
| Coachella Valley | Severe | August 3, 2033 | 2032 |



Ozone Trends*

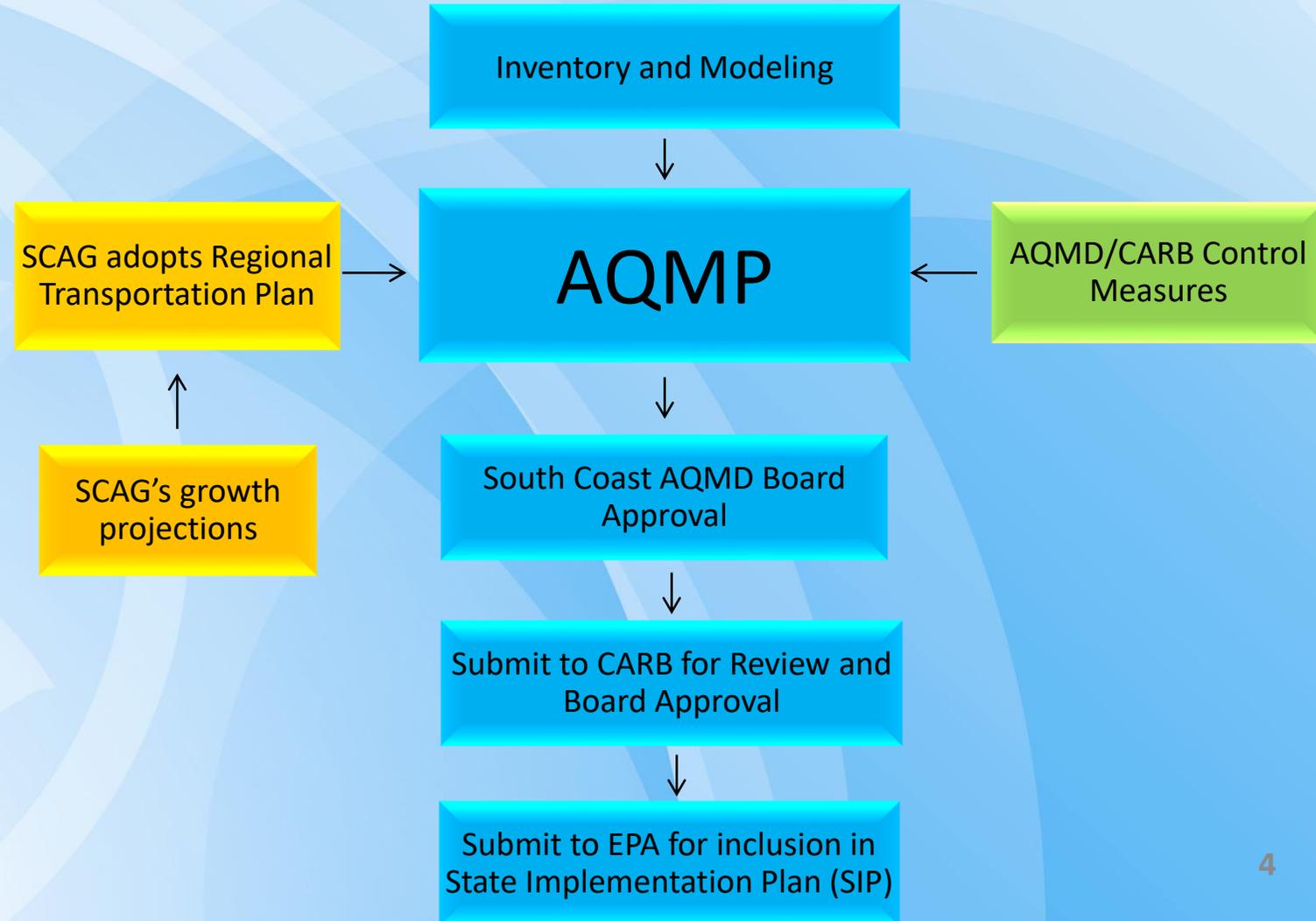


*Preliminary data for 2021



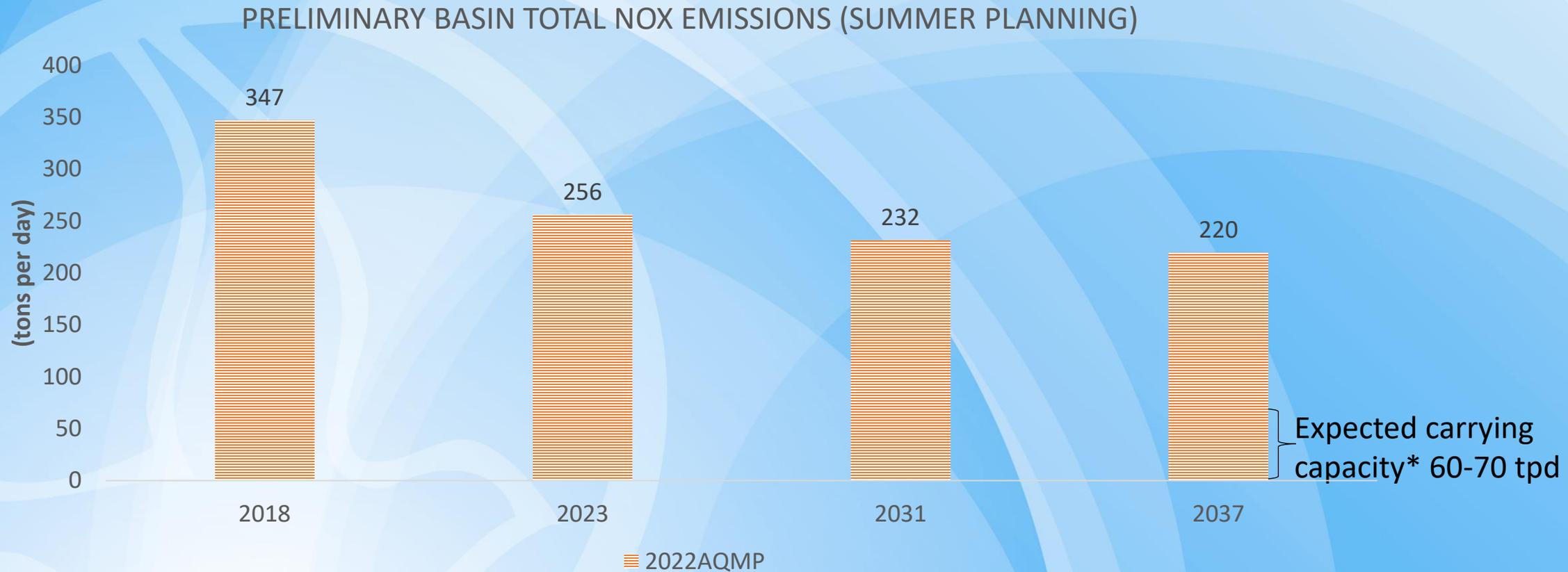
2022 Air Quality Management Plan (AQMP)

- Attainment plan for 70 ppb ozone standard for South Coast Air Basin by 2037 and Coachella Valley by 2032
- Blueprint with specific mobile and stationary control measures
- Due to U.S. EPA: August 3, 2022





NOx Baseline Emissions/Reduction Needs

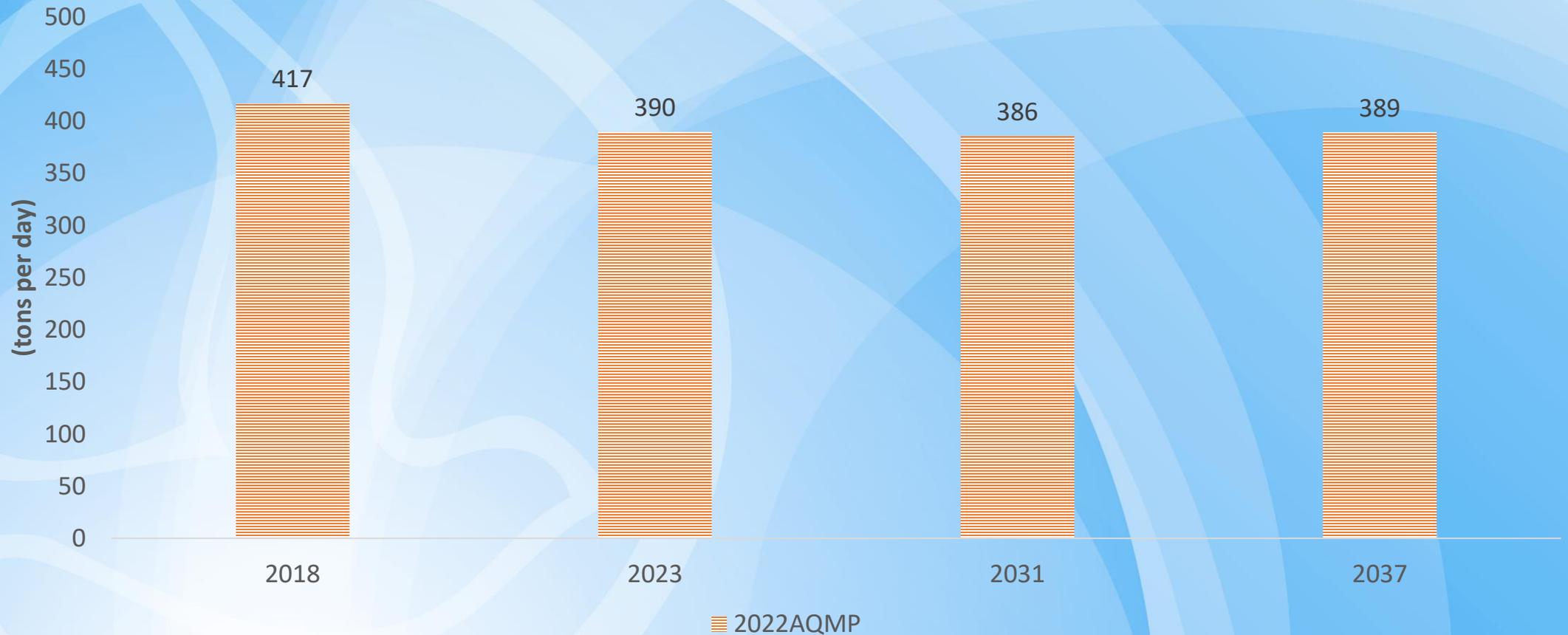


**Carrying capacity is the maximum allowable NOx emissions to meet the 2015 8-hour ozone standard (70 ppb)*



VOC Baseline Emissions

PRELIMINARY BASIN TOTAL VOC EMISSIONS (SUMMER PLANNING)

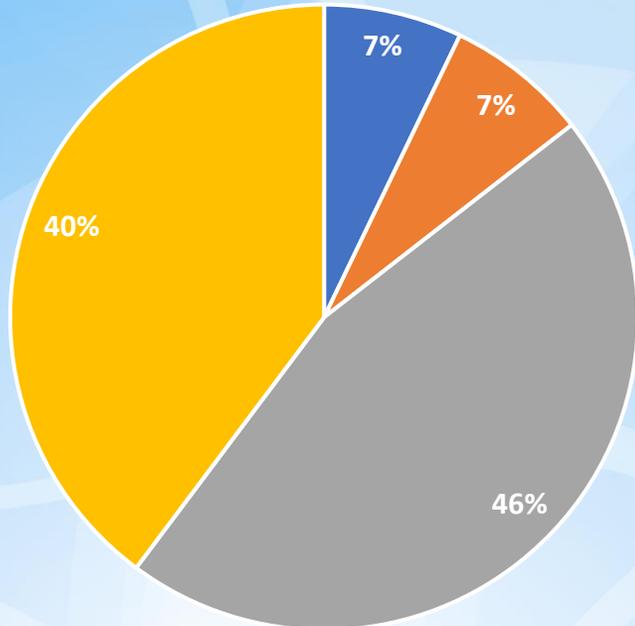




Distribution of Preliminary NOx Emissions in 2018 vs 2037

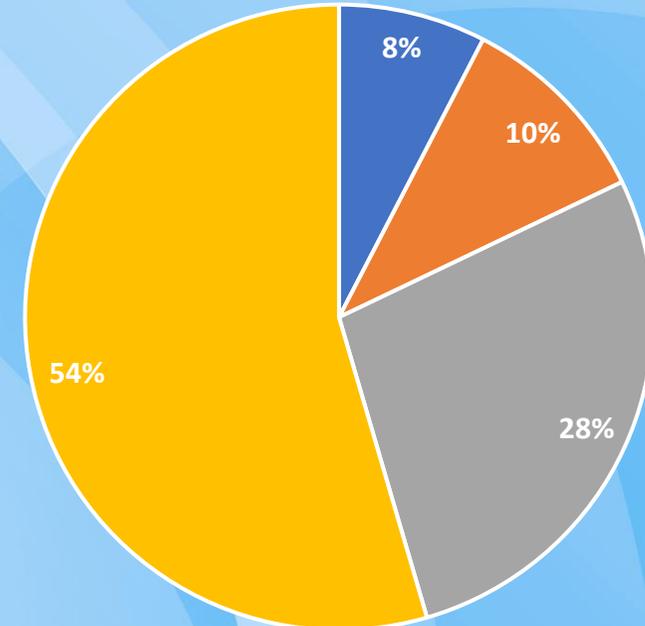
2018 NOx (Summer Planning)

■ Points ■ Area ■ On-Road ■ Off-Road



2037 NOx (Summer Planning)

■ Points ■ Area ■ On-Road ■ Off-Road



Control Measures Development

- **2022 AQMP control measures**
 - 2016 AQMP control measures to be updated where applicable; new measures
- **Five working groups (Dec 2020 – present)**
 -  **Residential and Commercial Buildings**
 -  **Ocean-Going Vessels**
 -  **Aircraft**
 -  **Heavy-Duty Trucks**
 -  **Construction and Industrial Equipment**
- **A new working group for ZE Infrastructure (Sep 2021 – present)**



2022 AQMP Control Measures Workshop Overview

- **South Coast AQMD Proposed Control Measures**

- **Stationary Sources**

Morning Session

- **Mobile Sources**

Afternoon Session

- **CARB's Draft 2022 SIP State Strategy**

- **Mobile Sources**

Afternoon Session

- **Area Sources**

Afternoon Session



South Coast AQMD Proposed Draft Mobile Source Measures At A Glance



Emission Growth Management



Facility-Based Measures



On-Road Mobile Sources



Off-Road Mobile Sources



Incentive Programs



Other Measures



Public Comments / Contact Information

During the Workshop

- Q&A and discussion after each agenda item

AQMP Advisory Groups

- Next meeting to be held January/February 2022

Individual Meetings

- Send requests to AQMPTeam@aqmd.gov

Comment Letters

- Send letters to: AQMPTeam@aqmd.gov by 11/30/2021

Idea Submission Form

- Available at the link below and at www.aqmd.gov/2022AQMP; Submit your ideas by 11/30/2021

<https://forms.office.com/g/ut13CPSvzN>



Extra Slides



South Coast AQMD's Proposed Draft Mobile Source Control Measures

| 2016 AQMP / Title of Control Measure | 2022 AQMP |
|---|---|
| Emission Growth Management Measure: | |
| • EGM-01 Emission Reductions from New Development and Redevelopment Projects | Updated Measure; Same numbering |
| • NEW Projects Subject to General Conformity Requirements | New Measure as EGM-02 |
| • NEW Clean Construction Policy | New Measure as EGM-03 |
| Facility-Based Mobile Source Measures: | |
| • MOB-01 Emission Reductions at Commercial Marine Ports | Updated Measure; Same numbering |
| • MOB-02 Emission Reductions at Rail Yards and Intermodal Facilities | Updated Measure; Same numbering |
| • MOB-03 Emission Reductions at Warehouse Distribution Centers | Adopted as Rule 2305; Updated Measure; Same Numbering |
| • MOB-04 Emission Reductions at Commercial Airports | Adopted as MOUs with Commercial Airports, Updated Measure; Same Numbering |
| On-Road Mobile Source Measures: | |
| • MOB-05 Accelerated Penetration of Partial Zero-Emission and Zero-Emission Vehicles | Combined; Updated Measure as MOB-05 |
| • MOB-06 Accelerated Retirement of Older Light-Duty and Medium-Duty Vehicles | |
| • MOB-07 Accelerated Penetration of Partial Zero-Emission and Zero-Emission Light-Heavy- and Medium-Heavy-Duty Vehicles | Combined; Updated Measure as MOB-06 |
| • MOB-08 Accelerated Retirement of Older On-Road Heavy-Duty Vehicles | |
| • MOB-09 On-Road Mobile Source Emission Reduction Credit Generation Program | Updated Measure as MOB-07 |



South Coast AQMD's Proposed Draft Mobile Source Control Measures

| 2016 AQMP / Title of Control Measure | 2022 AQMP |
|--|---------------------------|
| Off-Road Mobile Source Measures: | |
| • MOB-10 Extension of the SOON Provision for Construction/Industrial Equipment | Combined into MOB-11 |
| • MOB-11 Extended Exchange Program | Updated Measure as MOB-08 |
| • MOB-12 Further Emission Reductions from Passenger Locomotives | Updated Measure as MOB-09 |
| • MOB-13 Off-Road Mobile Source Emission Reduction Credit Generation Program | Updated Measure as MOB-10 |
| Incentive Programs Measures: | |
| • MOB-14 Emission Reductions from Incentive Programs | Updated Measure as MOB-11 |
| • NEW-Emission Reductions from Pacific Rim Initiative for Maritime (PRIMER) | New Measure as MOB-12 |
| Other Measures: | |
| • NEW-Fugitive Emissions from Tanker Vessels | New Measure as MOB-13 |
| • NEW-Rule 2202 / Telecommuting | New Measure as MOB-14 |
| • NEW-Zero-Emission Infrastructure for Mobile Sources | New Measure as MOB-15 |