



ECV CSC
Community
Outreach

ECV Community Outreach Update

September 6, 2022

Outreach Team Meeting

Sept 6 '22 Outreach Update

I Welcome & Outreach Updates

Round Table Update from Members

Outreach Presentation / Upcoming Events

II. Annual Report

Update on AB 617 Annual Report

Q&A

III. 2022 AQMP

Update on 2022 AQMP

Q&A

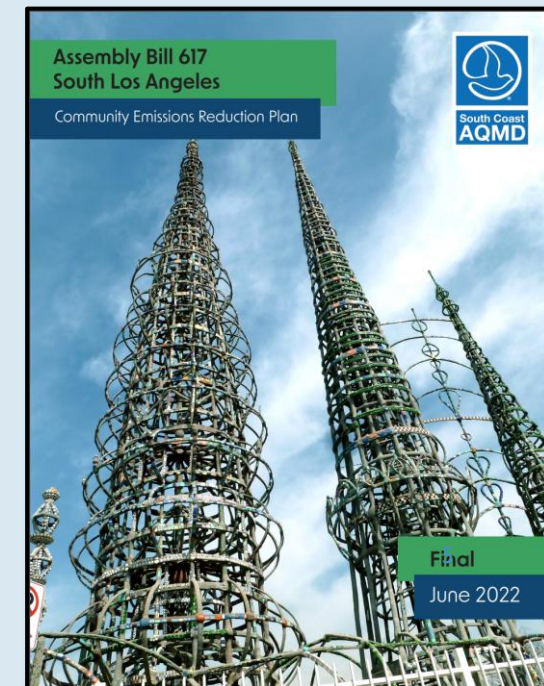
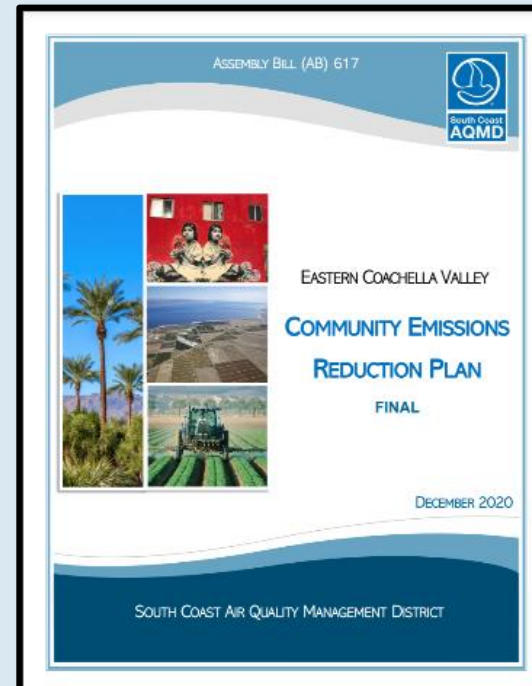
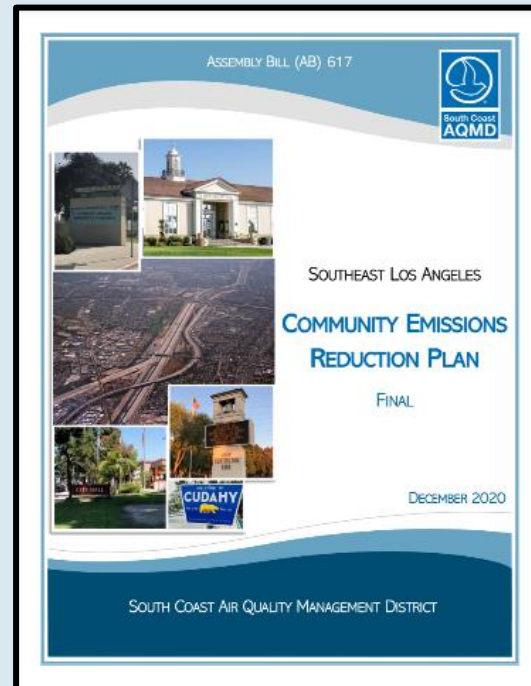
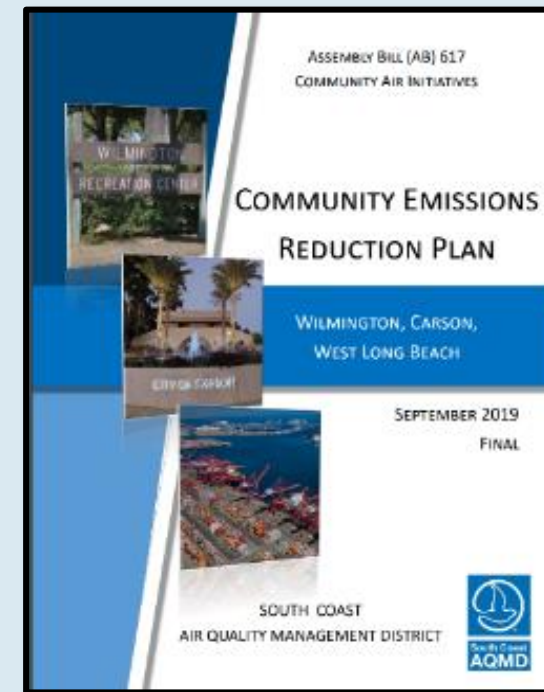
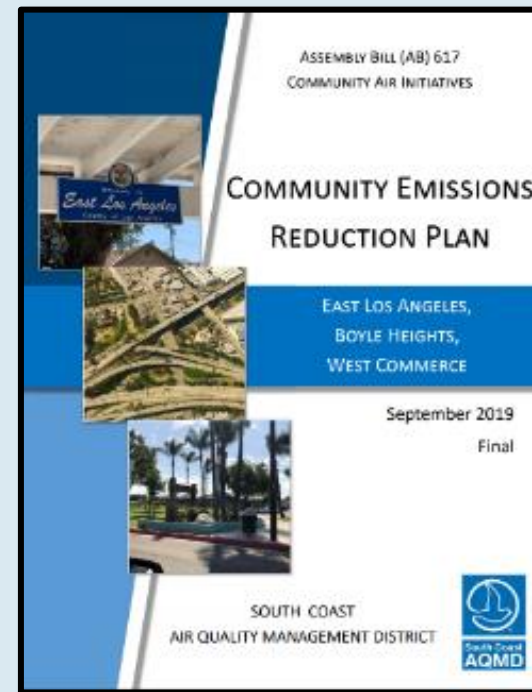
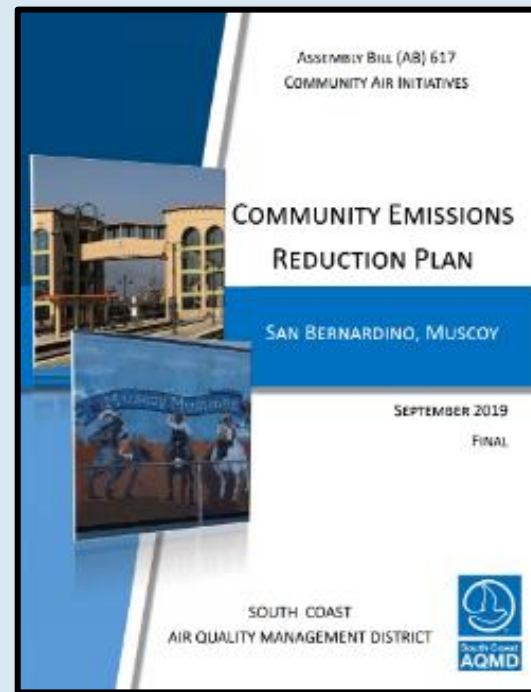
1. Welcome & Outreach Updates

11. Annual Report

2022 ANNUAL PROGRESS REPORT

ROBERT DALBECK

AIR QUALITY SPECIALIST



OVERVIEW



Assembly Bill 617 (AB 617)* requires an annual report on the progress of CERP implementation



Annual Progress Report (Report) will be updated to include implementation totals to-date



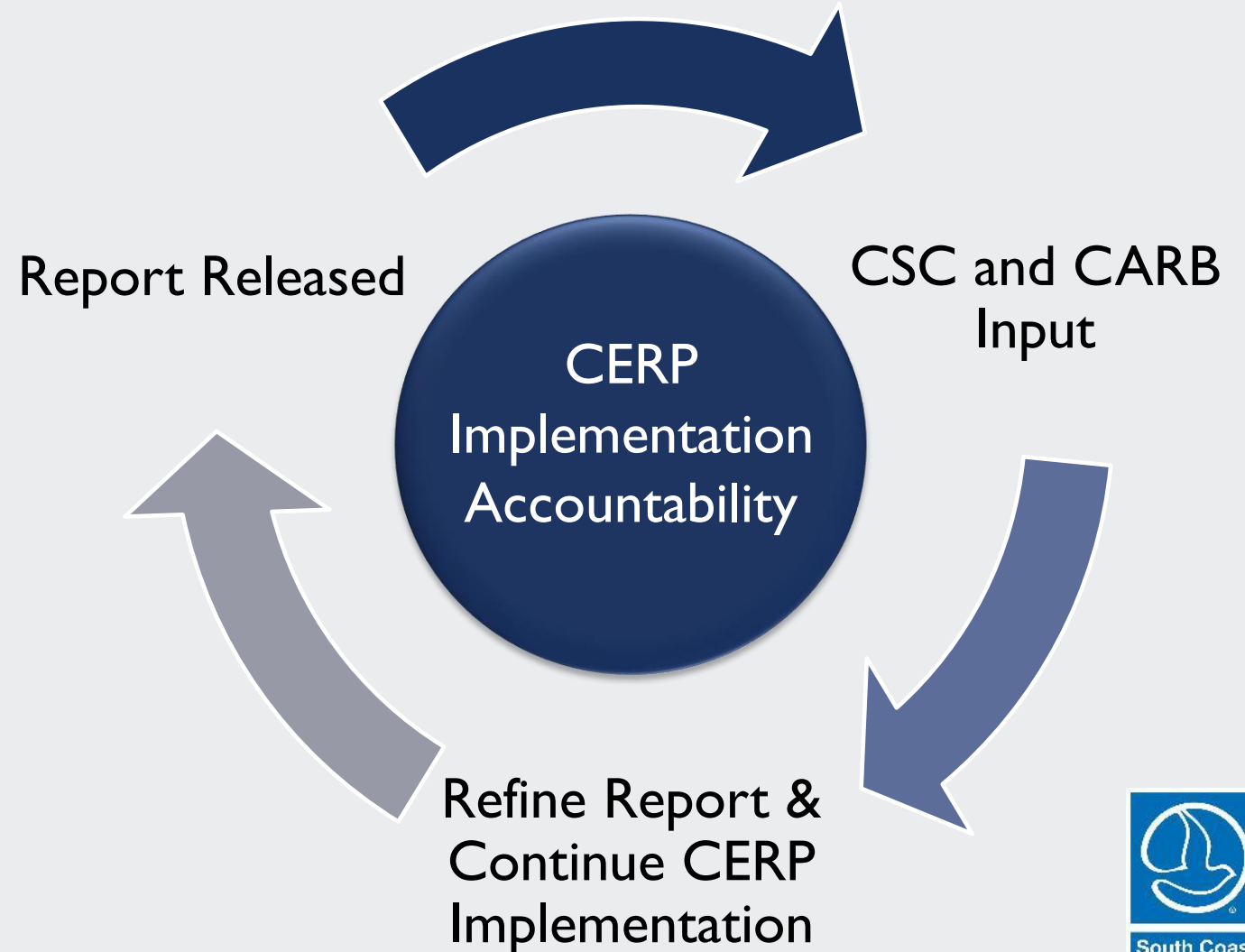
Report sent to each CSC and CARB for review



CARB may provide suggestions on CERP implementation

*Health and Safety Code §44391.2(c)(7)

PURPOSE



OVERVIEW OF ANNUAL PROGRESS REPORT ELEMENTS

ANNUAL PROGRESS REPORT FOR
ASSEMBLY BILL 617
COMMUNITY EMISSIONS
REDUCTION PLANS

October 2022



South Coast Air Quality Management District

Community Profile

Overview of CERP Framework

Status of CERP Actions, Goals, and Strategies

Metrics for Tracking Progress

Qualitative Assessment

Summary of Key Plan Adjustments

ECV CERP IMPLEMENTATION HIGHLIGHTS BY STRATEGY

Enforcement

- Conducted inspections at Greenleaf Desert View Power Plant
- Continued enforcement of Rule 444 – Open Burning, including pre-burn inspections of all permitted fires

Monitoring

- Ongoing community-led Monitoring Working Team (MWT) meetings to discuss CAMP implementation and monitoring strategies, provide progress updates, and gather community input
- Working closely with the CSC to establish an air quality sensor network in the community to measure PM10, PM2.5, NO2, and ozone
- Worked with the CSC and CARB to develop the Pesticides Monitoring Plan
- Conducting baseline measurements at the Mecca monitoring stations, including comprehensive dust speciation

Collaboration

- Partnered with CARB, the Department of Pesticides Regulation (DPR), the Office of Environmental Health Hazard Assessment (OEHHA), and the Riverside County Agricultural Commissioner to identify the top three pesticides for sampling and analysis
- Collaborated with the California Natural Resources Agency (CNRA) and the Imperial Irrigation District (IID) and provided comment on the Salton Sea Management Plan Draft Dust Suppression Action Plan to address concerns around the Salton Sea

ECV CERP IMPLEMENTATION HIGHLIGHTS BY STRATEGY (CONT.)

Incentives

- Approximately \$33 million allocated for incentive projects through CARB's Community Air Protection Program (CAPP) incentive funds
- Residential Air Filtration Project Plan approved on July 15, 2022 (2022-15CIP-SC)*
- Ongoing Budget Working Team (BWT) meetings; submitted Draft Paving Project Plan** for CARB's review in June 2022

Public Information and Outreach

- Participated in Salton Sea Authority Board Meeting; attended Salton Sea Community Webinars and Salton Sea Summit
- Ongoing Outreach Working Team (OWT) Meetings; released Draft Outreach Plan in December 2021
- Awarded U.S. EPA State Environmental Justice Cooperative Agreement Program (SEJCA) grant to establish partnerships for air quality community training

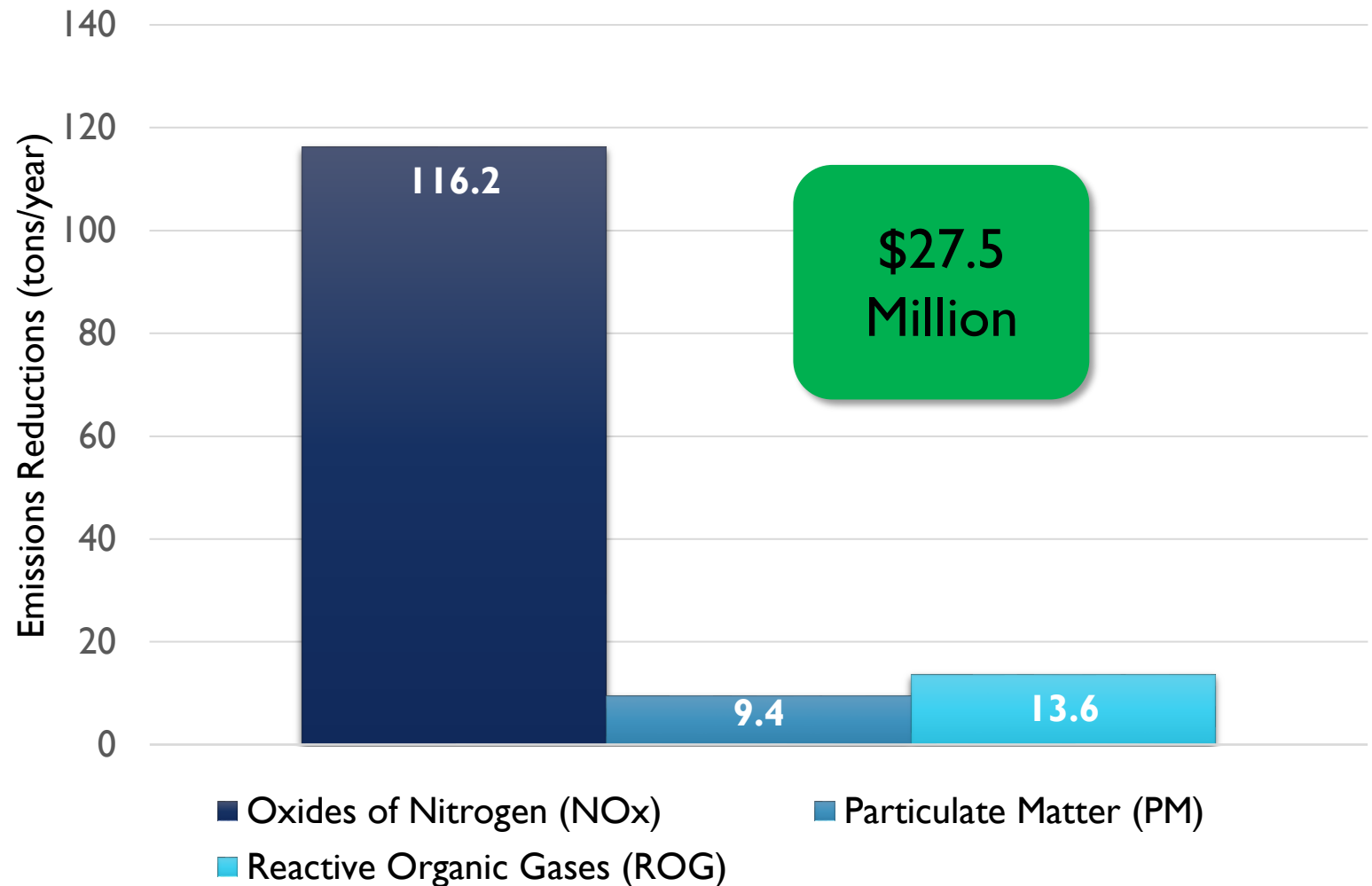
* <http://www.aqmd.gov/home/programs/business/community-air-protection-incentives/residential-air-filtration-incentives>

** <http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/eastern-coachella-valley/paving-project>

TOTAL INVESTMENT IN INCENTIVES

- Future incentive-based emissions reductions dependent on amount of program funding

Approximate Emissions Reductions* Based on Total Investment



*Emissions reductions resulting from community-identified projects will be quantified at a later time, where feasible

ANNUAL PROGRESS REPORT (APR) TIMELINE



*2022 Draft Annual Progress Report will be available online at:

<http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/eastern-coachella-valley>

Questions and/or Comments?

Please submit questions and comments to
ab617@aqmd.gov

III. Draft 2022 AQMP



South Coast
AQMD

DRAFT 2022 AIR QUALITY MANAGEMENT PLAN



South Coast Air Quality
Management District

2022 Air Quality Management Plan (AQMP)

- AQMP is a blueprint to improve air quality and achieve federal air quality standards in the South Coast Air Basin and Coachella Valley
- In 2015, the U.S. EPA tightened the ozone air quality standard to 70 parts per billion (ppb), triggering the need to develop an AQMP
- The 2022 AQMP addresses control strategy to meet the ozone standard by 2037
- The Draft 2022 AQMP and all supporting documents are available online at: <http://www.aqmd.gov/2022aqmp>

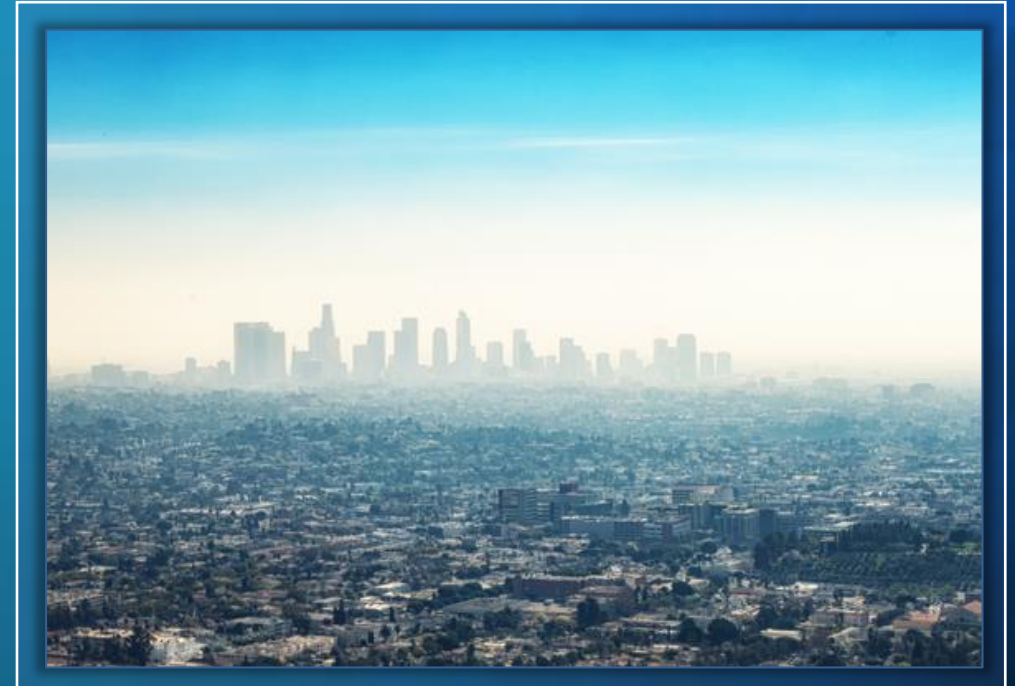


Our Challenge



Los Angeles c. 1950

Our region has historically suffered from some of the worst air quality in the United States

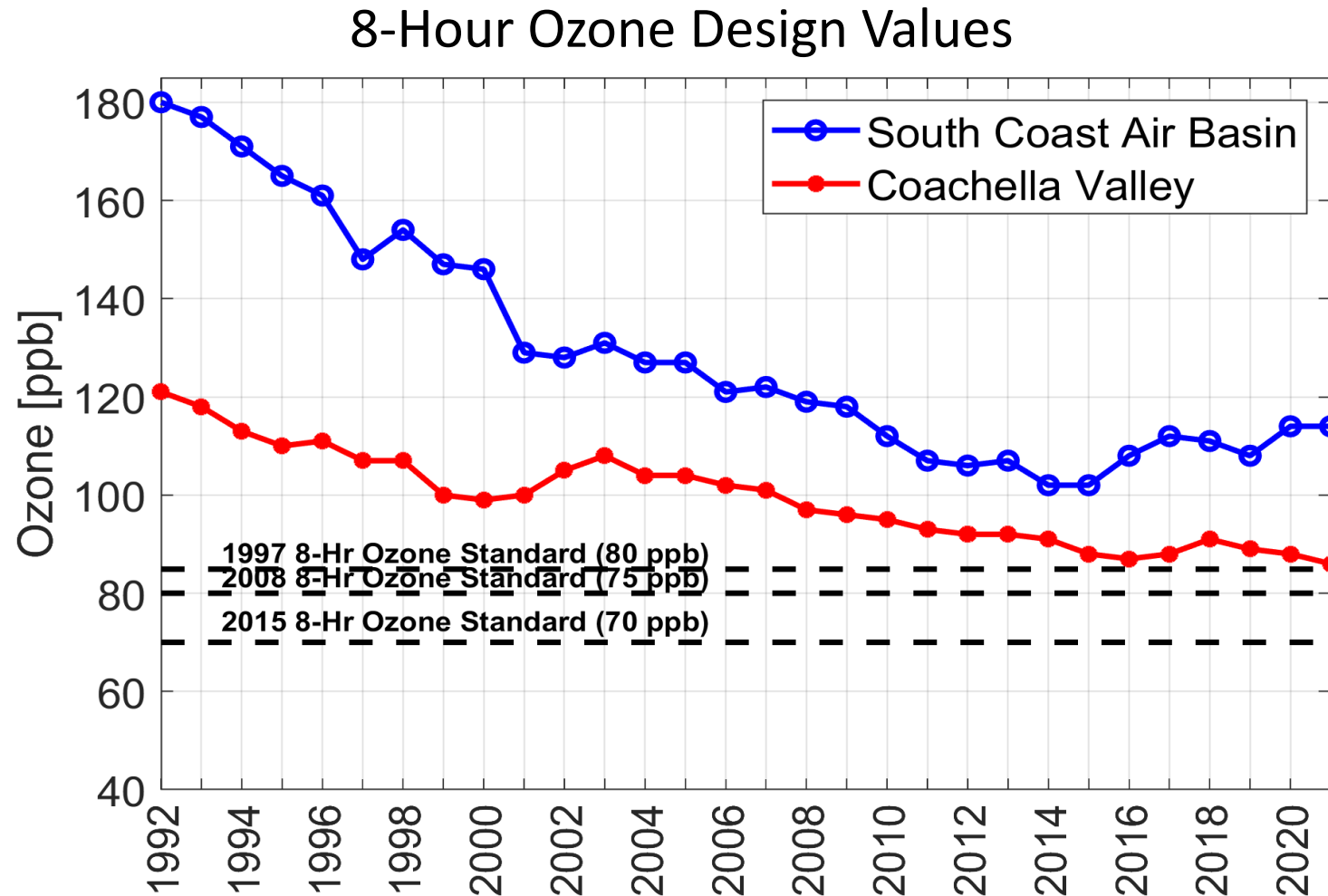


Los Angeles Recent Condition (2018)

We have made significant progress, but still suffer from poor air quality

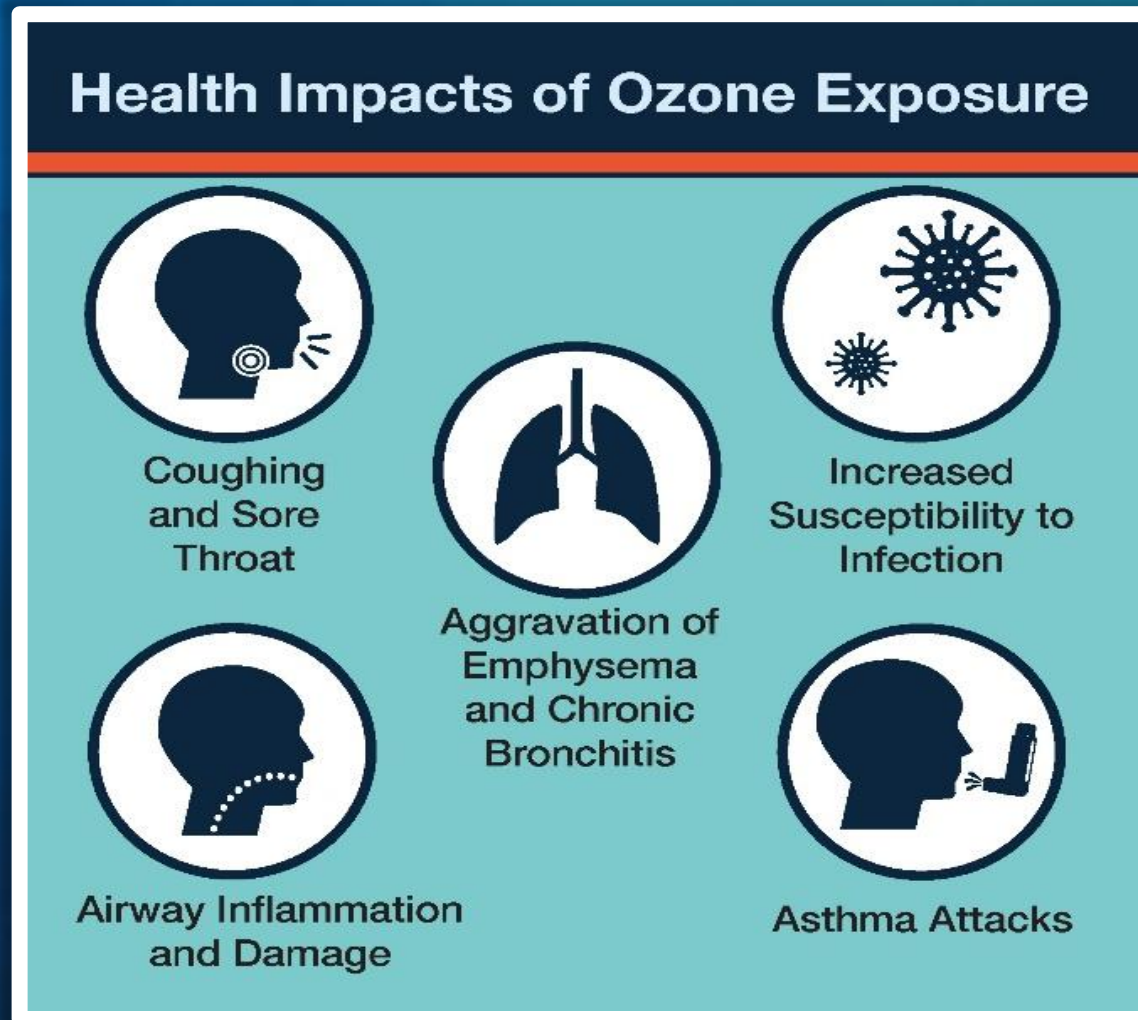
- Worst ozone (smog) in the nation
- Among the worst fine particulate matter (PM2.5)

Ozone Trends in the South Coast Air Basin



- Overall air quality has dramatically improved
- High ozone in recent years were due to adverse meteorology. Continued emission reductions will improve ozone

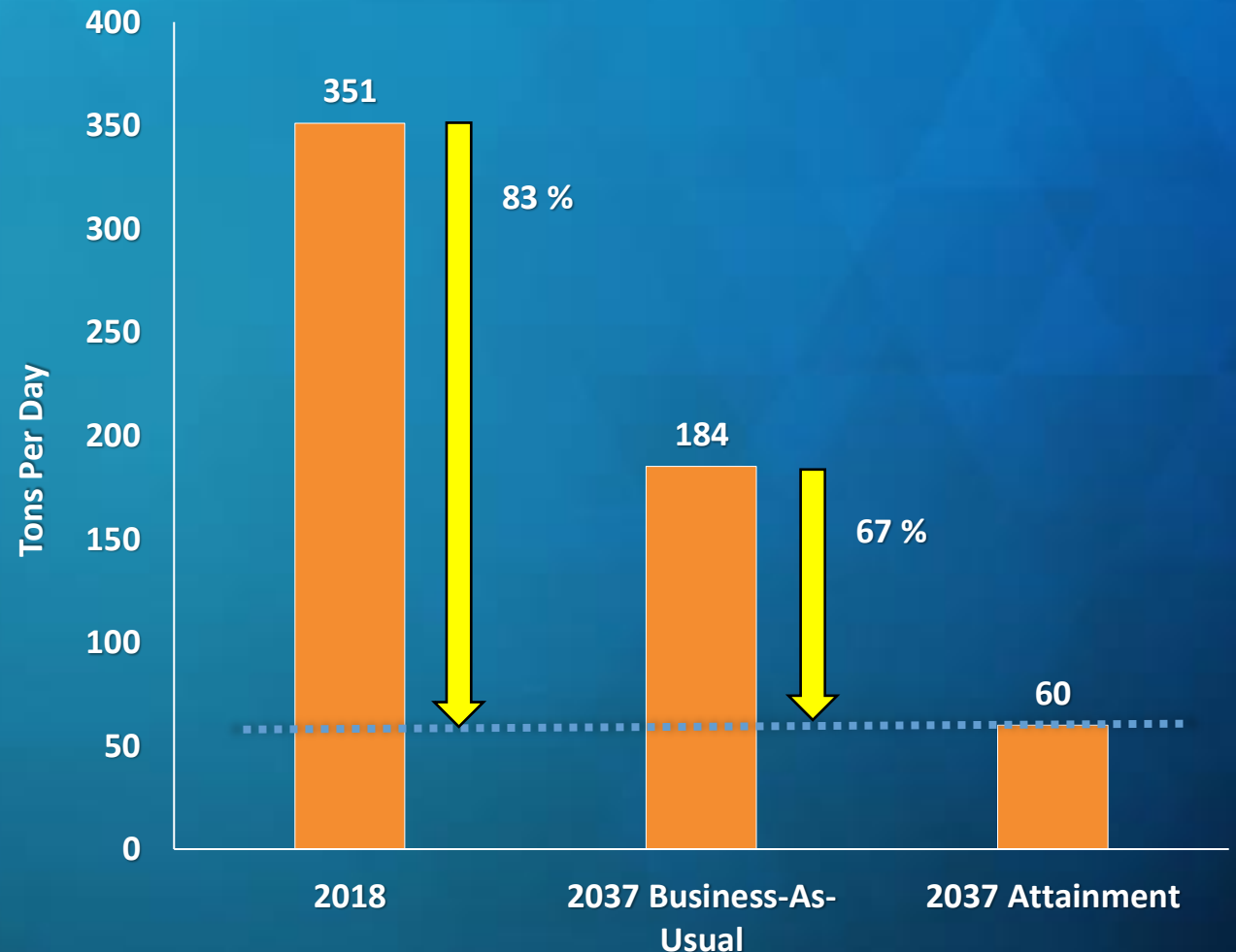
Health Impacts of Ozone



- Ozone precursor pollutants also increase fine particulate (PM2.5) pollution
- PM2.5 can cause **premature death** in addition to other serious health effects

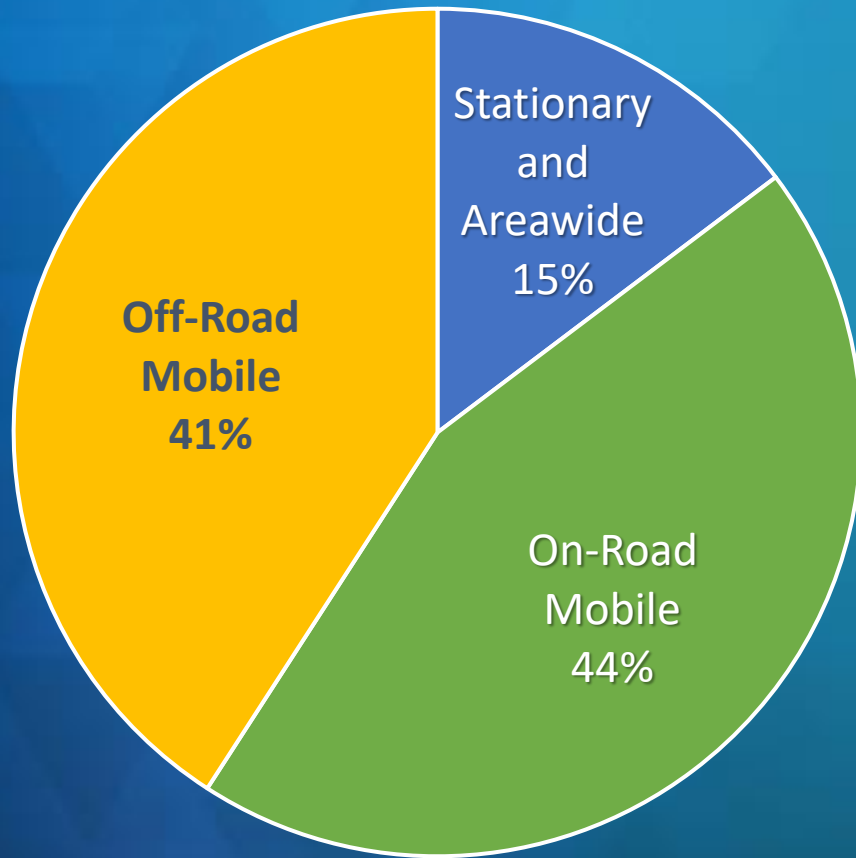
Need to Reduce NOx Emissions

- The primary pollutant that must be controlled to reduce ozone in our region is nitrogen oxides (NOx)
- NOx is formed during processes that burn fuels
- NOx must be reduced to 60 tons per day to meet the ozone standard
 - 83% below current conditions
 - 67% below Business-As-Usual conditions in 2037

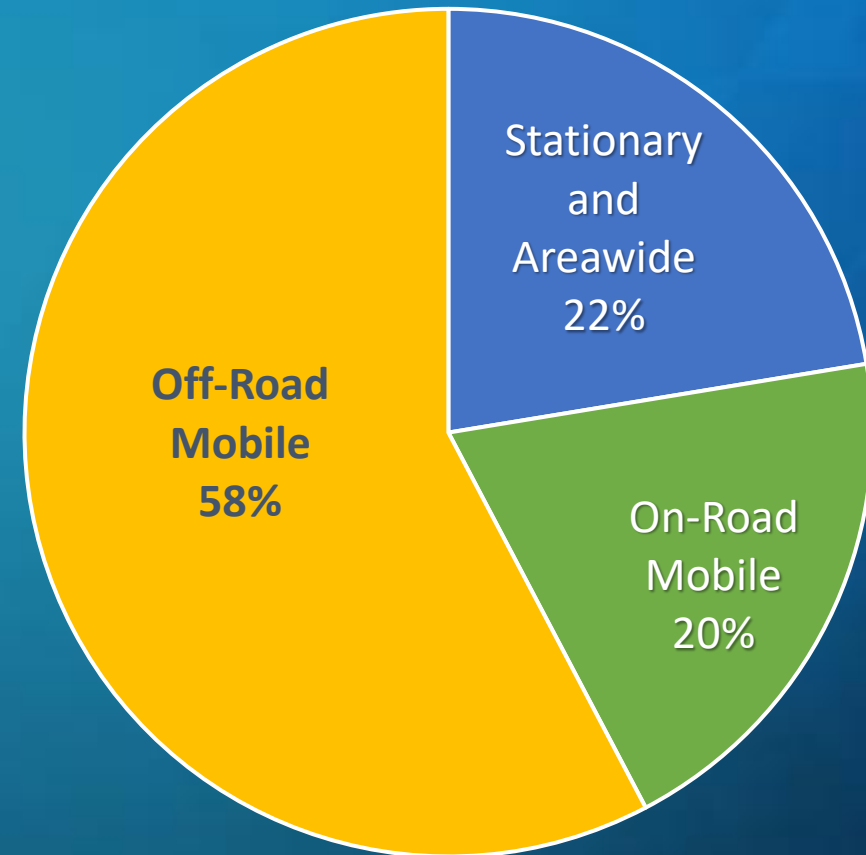


NOx Emission from Different Source Category

2018 NOx Emission
351 tons per day

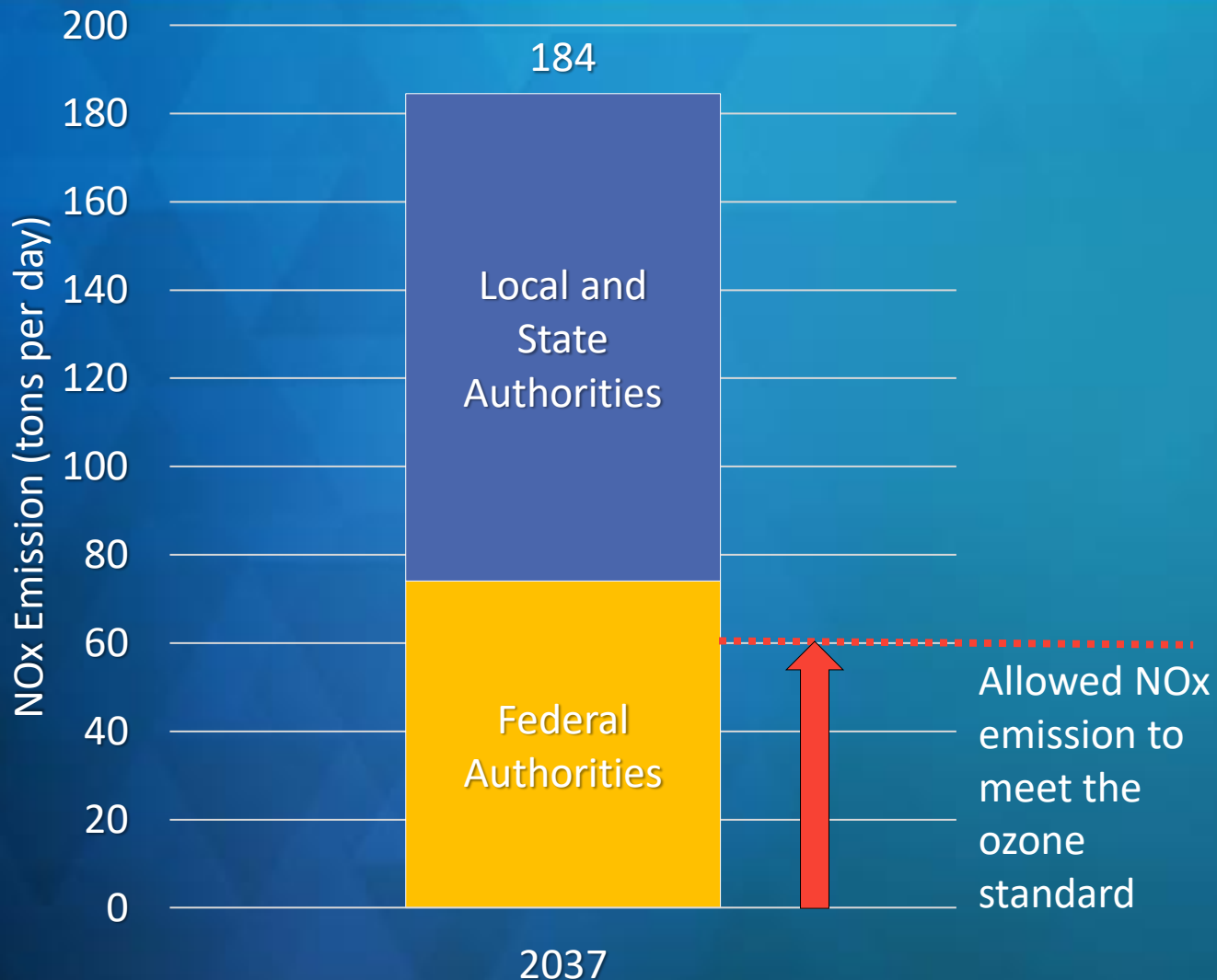


2037 NOx Emission
184 tons per day



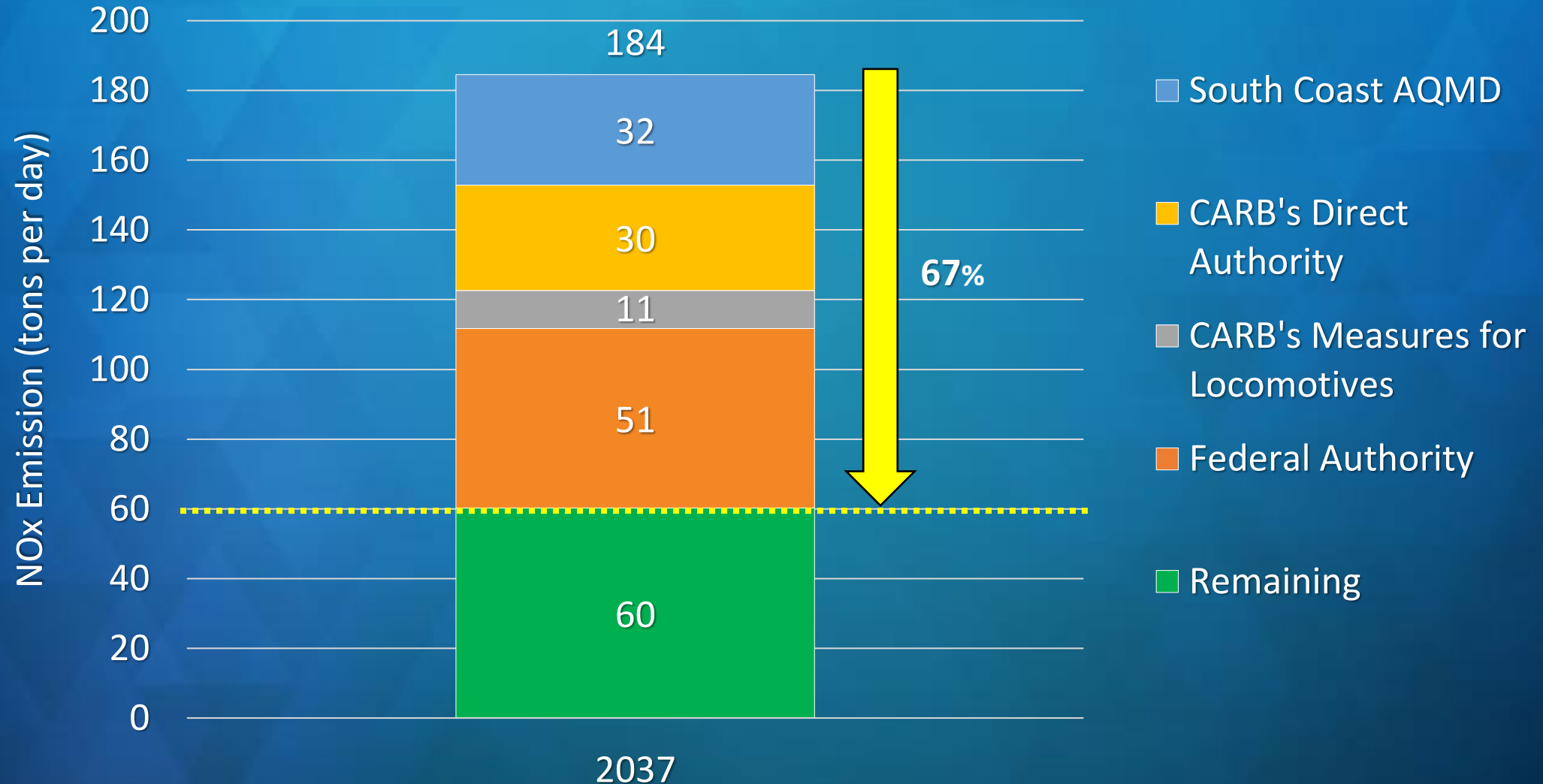
Over 80% of the NOx Emission in 2018 is from mobile sources

Shared Responsibility for Emission Reductions



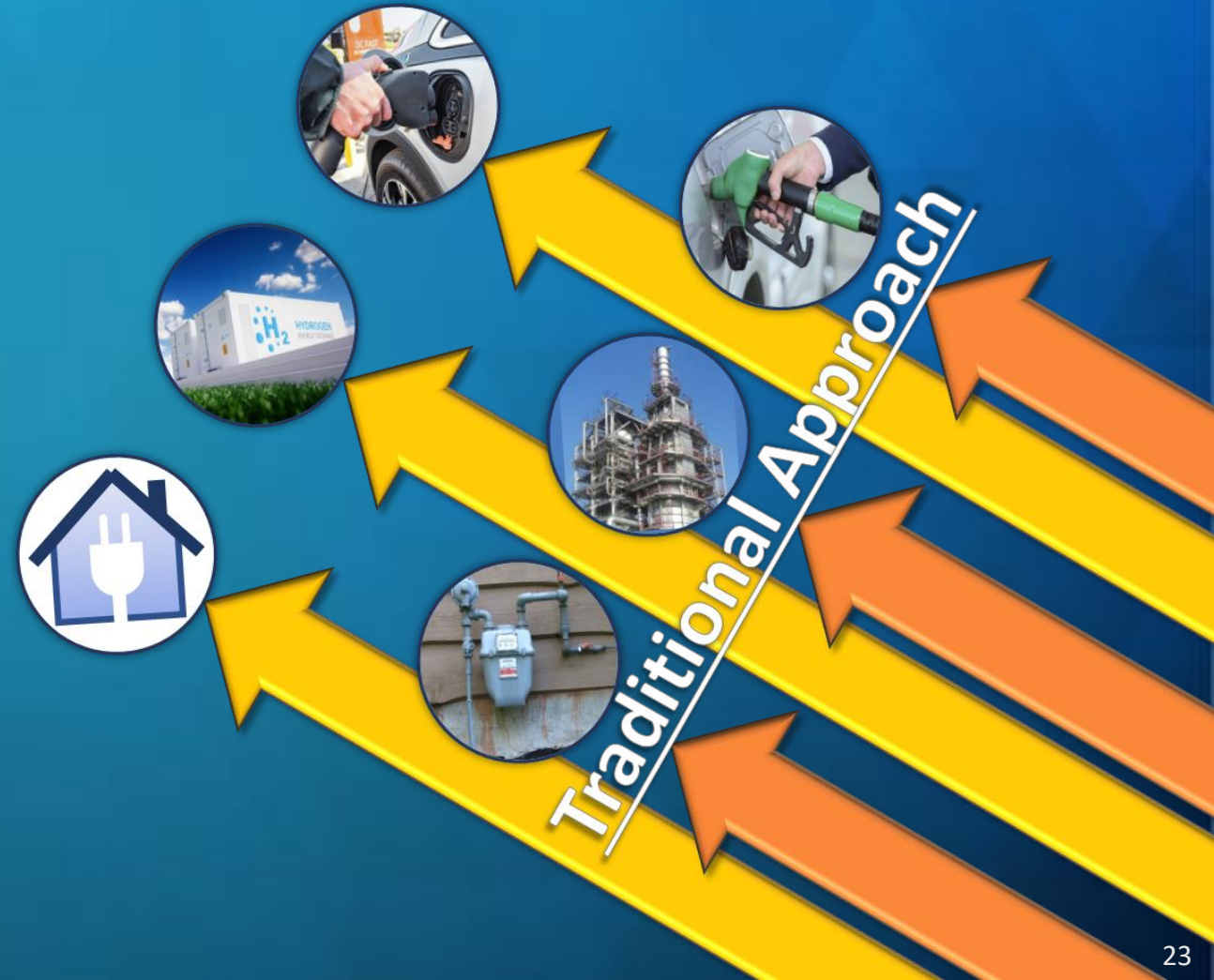
- More than 1/3 of the 2037 baseline emissions inventory is regulated primarily under federal and international jurisdiction, with limited authority for CARB/South Coast AQMD
 - Ships, aircraft, locomotives, etc
- Cannot assign responsibility to federal government to reduce emissions, even from federal sources
- Attainment is not possible without significant reductions from these sources

NOx Reductions Needed for Attainment

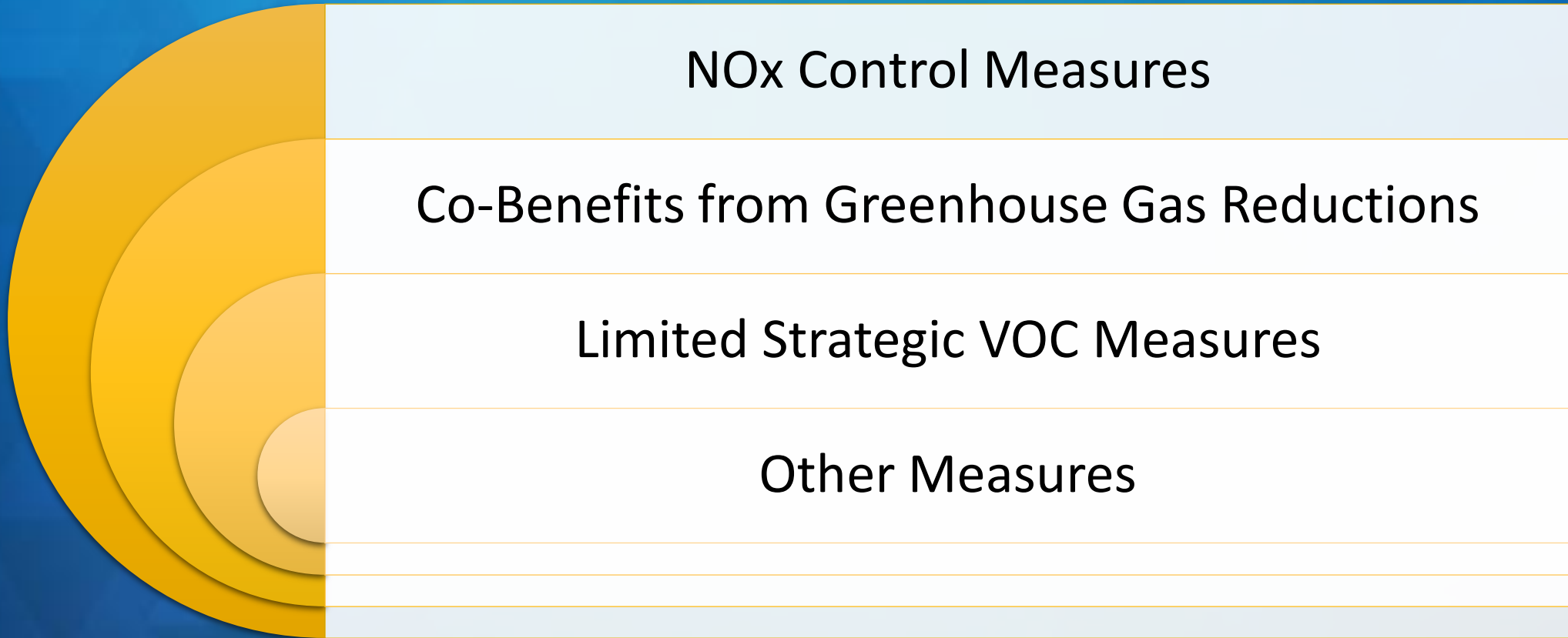


Innovative Approaches Needed

- Traditional approach relies on additional tailpipe/exhaust stack controls, new engines technology, or fuel improvements tailored to individual use cases
- These traditional approaches will not reduce emissions by the amount needed
- We must turn to zero emission and advanced technologies wherever possible



Overview of Draft South Coast AQMD Stationary and Area Source Control Strategy



Draft Stationary and Area Sources NOx Control Measures



Residential Combustion
Water/Space/Heating/
Cooking/Others



Commercial Combustion
Water/Space/Heating/
Cooking/Others



Industrial Combustion
Boilers/Process Heaters/
Refineries/EGUs/Etc.

Overview of Draft South Coast AQMD Mobile Source Control Strategy



Public Input and Outreach

'Standard' Comprehensive



Development Process

- Release of the Draft 2022 AQMP: May 6, 2022
- Public comments were received during May 6 – July 22, 2022
- Revised 2022 AQMP to be released in late Summer
- Upcoming public meetings and schedule:

Timeline	Milestone
August 5, 2022	Status update on Draft 2022 AQMP development to South Coast AQMD Governing Board
August 10, 2022	Advisory Council Meeting on Health Effects Appendix
Late August, 2022	Release Revised Draft 2022 AQMP
October 7, 2022	Status update on Draft 2022 AQMP development to South Coast AQMD Governing Board and Set Hearing
Mid October, 2022	Regional Public Hearings
December 2, 2022	South Coast AQMD Board Consideration of Draft Final AQMP

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**2022 AQMP
Interested Parties**



For comments or questions,
please email:

AQMPteam@aqmd.gov



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