

QUARTERLY 2022 CSC MEETING #3

EAST LOS ANGELES, BOYLE HEIGHTS,
WEST COMMERCE
AUGUST 18, 2022

Bernard Tolliver
Senior Public Affairs Specialist



AGENDA



- CSC Member Updates
- Update on Sterigenics Facility
- CERP Updates:
 - Annual Report
- Air Quality Management Plan
- Caltrans California Freight Mobility Plan

ELA, BH, WC, CSC 2022

Member Updates



California Air Resources Board(CARB) Updates:

Incentive Program Advisory Group (IPAG) Public Meetings

- Goal: Equitably accelerating Zero-Emission (ZE) through Moyer On-road Voucher Incentive Program (VIP)
- Public process includes Advisory Group Meetings
- Next Meeting in October 2022
- Memo to the Board in November 2022. Contact IPAG at IPAG2022@arb.ca.gov

CARB Governing Board Hearing, August 25th

- Proposed Advanced Clean Cars II (ACC II) Regulations
- AB 617 Community Air Protection Program-South Los Angeles (Selected 2021) CERP will be presented to the Board for action

COMMUNITY LIAISON

EAST LOS ANGELES, BOYLE HEIGHTS, WEST COMMERCE

<http://www.aqmd.gov/ab617/elabhwc>

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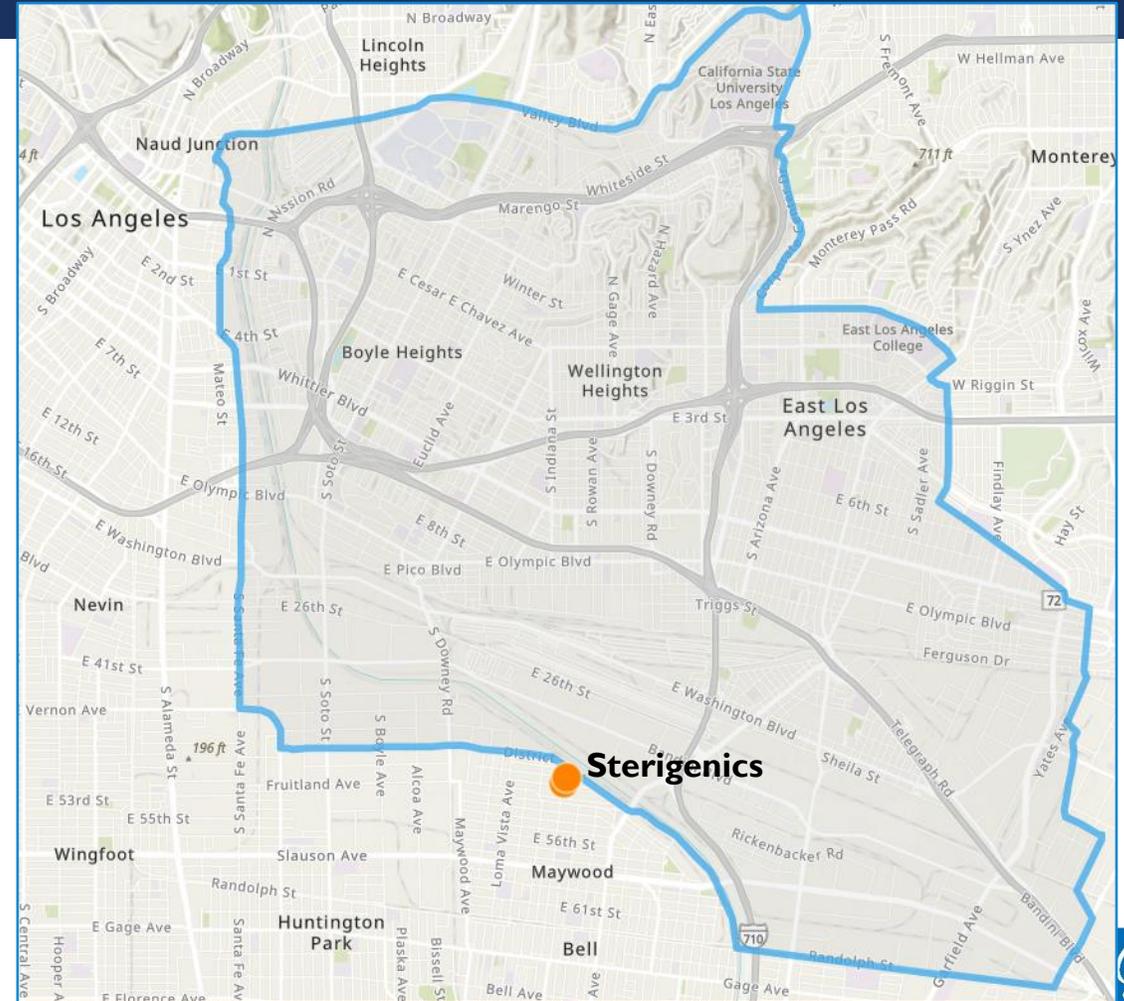
Sterigenics Emissions Investigation in Vernon



**Angela Haar, PhD
Principal Air Quality Chemist**

BACKGROUND

- Ethylene oxide (EtO) is a flammable and colorless gas
 - Short-term exposure may cause headaches, weakness, nausea, difficulty breathing, eye/skin burns, and other effects
 - Long-term exposure increases the risk of certain type of cancers
- US EPA and OEHHA are reassessing the toxicity of EtO
 - Reassessment prompted South Coast AQMD to conduct air monitoring near Sterigenics US, Inc. (Sterigenics) and other large sterilization facilities
- Sterigenics conducts sterilization of medical equipment using EtO at two facilities in Vernon and one facility in Ontario



MONITORING NEAR RESIDENTIAL AREA OF STERIGENICS IN VERNON

- Nearest residential area is ~500 ft away; nearest school is ~1,700 ft away
- Conducted air sampling and monitoring at closest residential area and school
- Air sampling in this residential community showed that EtO concentrations are within typical background levels

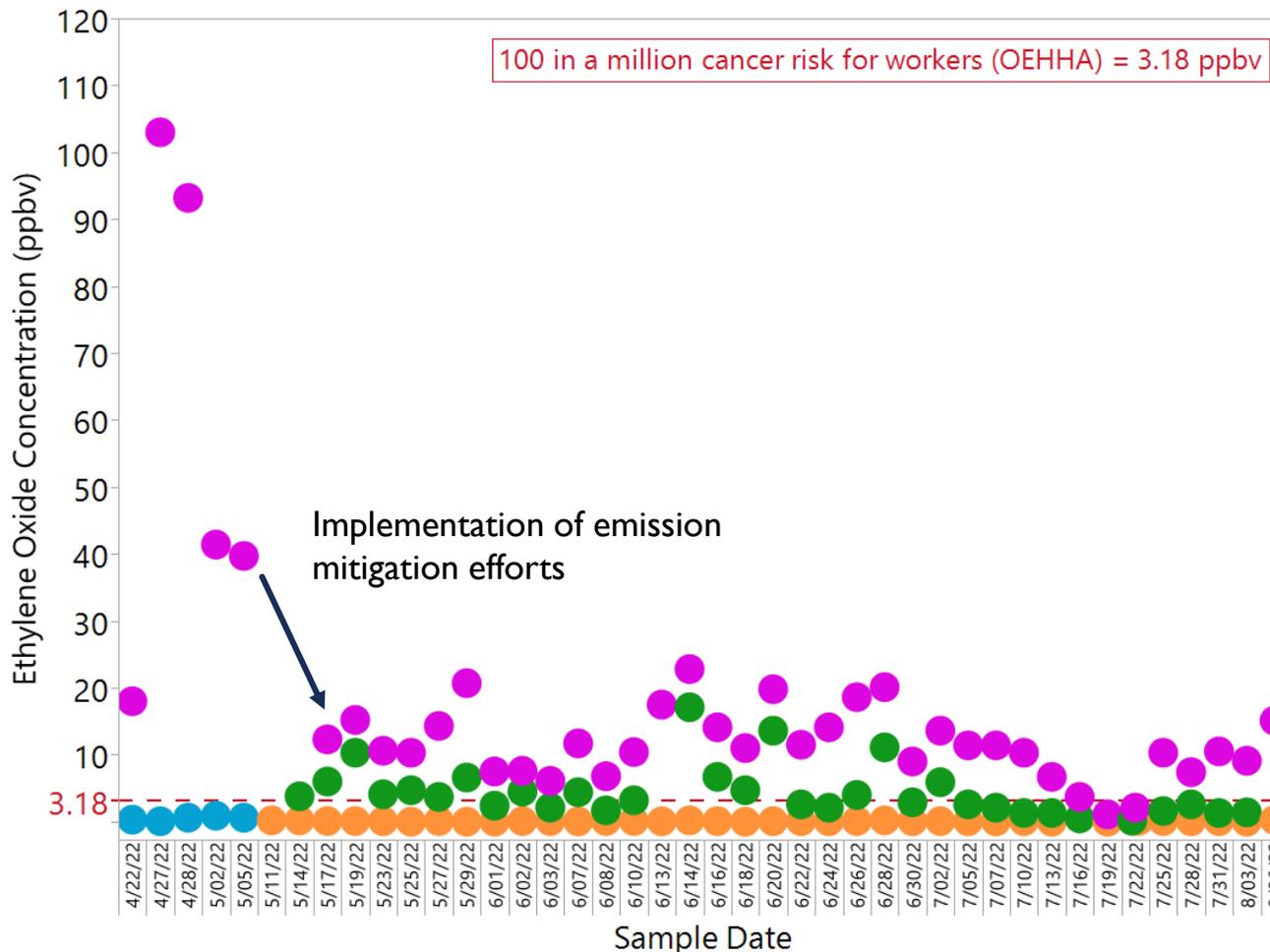


AIR MONITORING: 24-HR TIME-INTEGRATED ETO SAMPLE RESULTS

Sampling Locations



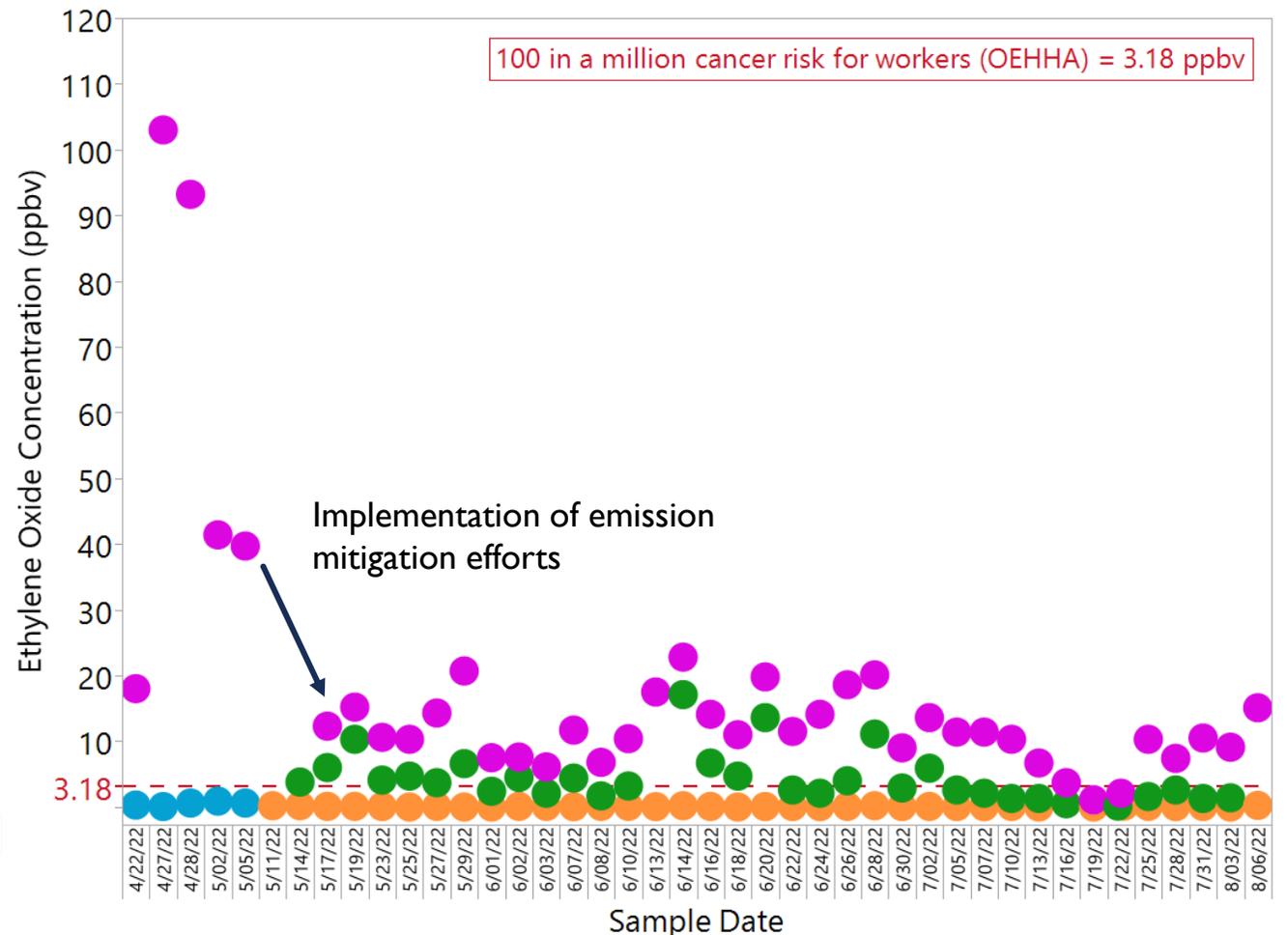
Background EtO: less than 0.17 ppbv



Location • Site #1: 49th St • Site #2: 50th St • Site #3: Gifford Ave • Site #4: Fruitland Ave 9

AIR MONITORING: 24-HR TIME-INTEGRATED ETO SAMPLE RESULTS

- Elevated health risk at neighboring off-site worker locations
- Long-term exposure to EtO over a number of years increases the risk of certain cancers
- Air monitoring results show that EtO levels drop off significantly a few hundred feet away from the source
- EtO levels at Site 4 near the residential community is at background levels



SOUTH COAST AQMD'S ACTIONS AND ONGOING ACTIVITIES

- South Coast AQMD took several actions to identify and reduce emissions as quickly as possible, including:
 - Continued air monitoring efforts at the facilities and near the surrounding community
 - Proposition 65 notice
 - Designation as a Potentially High Risk Level Facility under Rule 1402
 - A complete investigation into the facilities' equipment and compliance with South Coast AQMD rules, regulations and permit requirements
 - Evaluation of immediate actions to be taken by the facilities to reduce leaks or fugitive emissions, including increased leak checks and source testing
 - Filed a petition for Order for Abatement against Sterigenics US, LLC and hearing held on August 9th

SOUTH COAST AQMD RESOURCES

- EtO Emissions Investigation:
<http://www.aqmd.gov/home/eto>
- Sterigenics Emissions Investigation in Vernon:
<http://www.aqmd.gov/home/news-events/community-investigations/sterigenics>
(here you can also sign up for updates on this issue)
- To receive notifications related to Sterigenics you can also fill out the form at www.aqmd.gov/sign-up

CONTACTS



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CERP IMPLEMENTATION UPDATE

3RD QUARTER 2022

East Los Angeles, Boyle Heights, West Commerce
August 18, 2022

Dr. Nish Krishnamurthy
Air Quality Specialist

AB 617 COMMUNITY AIR MONITORING PLAN (CAMP)

ASSEMBLY BILL (AB) 617
COMMUNITY AIR INITIATIVES

COMMUNITY EMISSIONS REDUCTION PLAN

EAST LOS ANGELES,
BOYLE HEIGHTS,
WEST COMMERCE

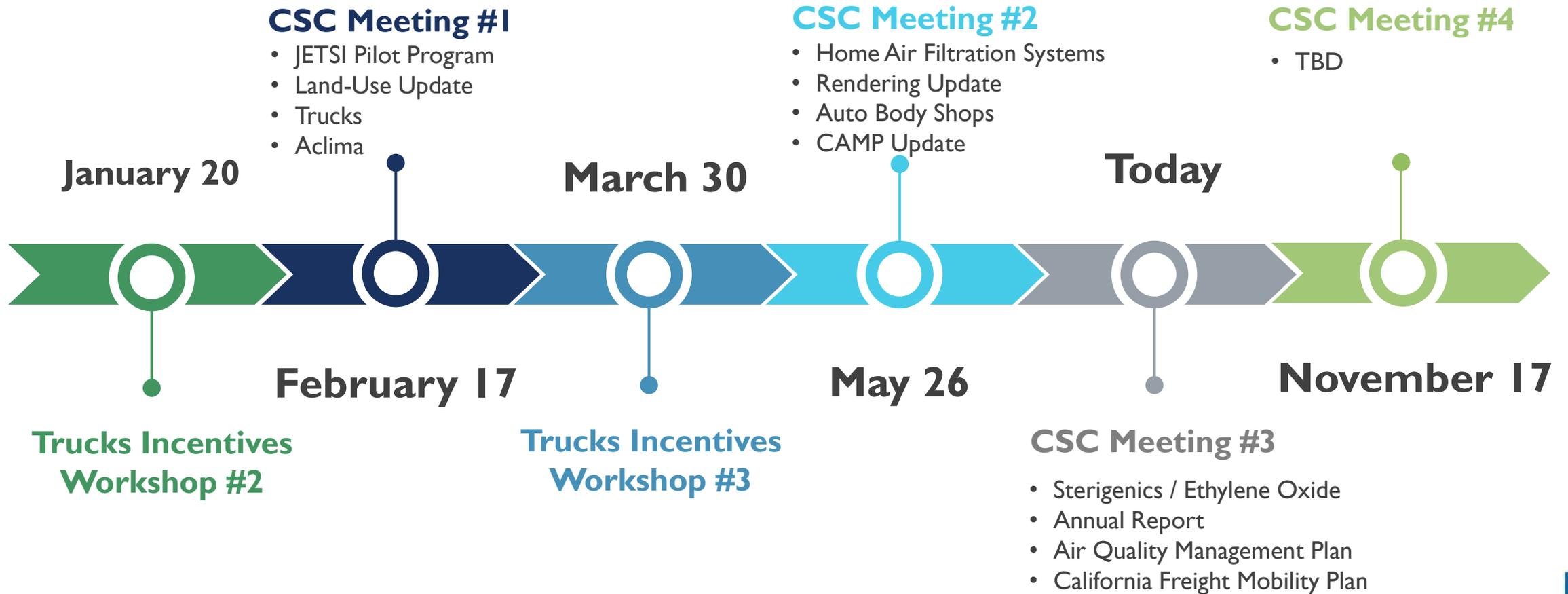
September 2019
Final



SOUTH COAST
AIR QUALITY MANAGEMENT DISTRICT



ELABHWC CSC MEETING TIMELINE



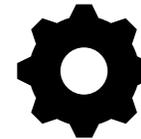
RECENT POSTINGS TO ELABHWC HOMEPAGE

■ Chapter 5b – Trucks and Freeways, Action I*



- CSC included a CERP action to install “no truck idling” signs
- The map of the 11 locations in Boyle Heights where LADOT installed the signs was posted to the ELABHWC homepage and can be viewed here: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/no-idling-elabhwc.pdf?sfvrsn=8>

■ Chapter 5d – Metal Processing Facilities, Action I**



- CSC included CERP action to make public the locations of metal processing facilities in the community
- The map and addresses of metal processing facility locations were posted on the ELABHWC website here: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/metal-processing-facilities.pdf?sfvrsn=8>
- The map repeats the locations shown in the August 2020 Air Monitoring Update: <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/elabhwc-progress-reports/elabhwc-metal-processing-facilities---coming-soon.pdf?sfvrsn=18>

* <https://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/cerp/carb-submittal/final-cerp.pdf?sfvrsn=8#page=127>

** <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/cerp/carb-submittal/final-cerp.pdf?sfvrsn=8#page=151>

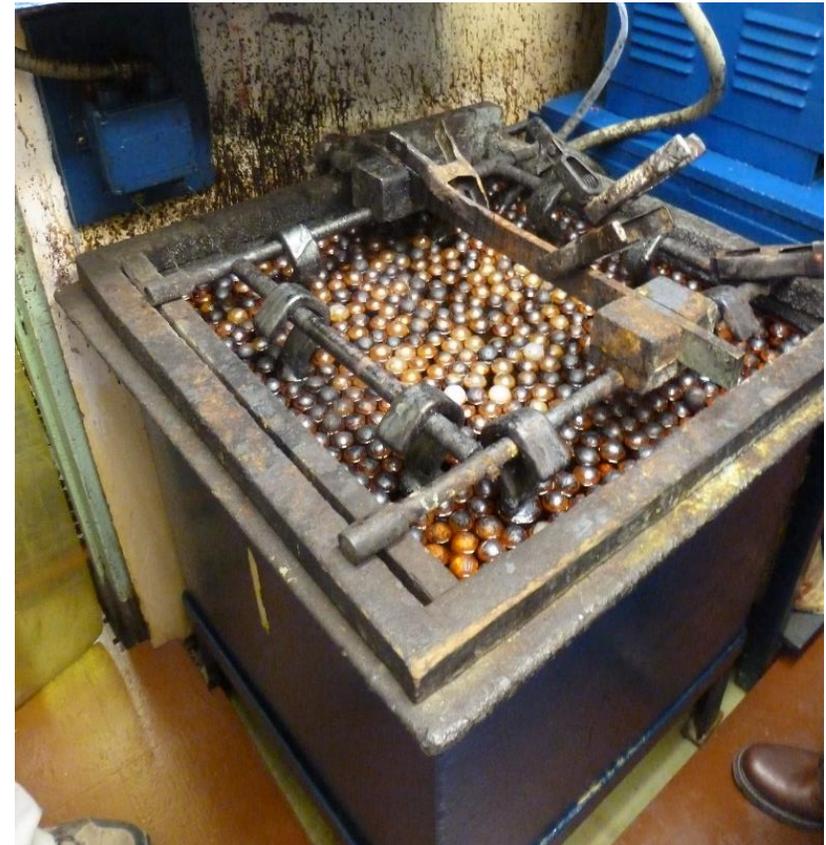


Incentive Funding Program to Reduce Hexavalent Chromium Emissions

Community Steering Committee Update
August 2022

Background

- Hexavalent chromium is used by some metal finishing facilities to provide metal parts with anti-corrosive properties or a decorative finish
- Chrome plating facilities are subject to South Coast AQMD Rule 1469 – Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations
- CERPs have identified reductions in toxic air contaminants, such as hexavalent chromium, as a high priority
- Incentive funding has been identified to help facilities further reduce hexavalent chromium emissions



Incentive Program Summary

- Approximately \$5 million in incentive funds are available to help facilities switch to non-hexavalent chromium metal plating alternatives
- Open to facilities currently in compliance with Rule 1469 requirements
- Eligible projects must reduce hexavalent chromium emissions beyond regulatory requirements
- Up to \$300,000 available per facility
- Program Announcement (sometimes known as Request for Proposals) contains specific requirements for facilities to apply





Small Business Assistance

- Many facilities are small businesses with limited expertise converting to a non-hexavalent chromium operation
- Staff has issued a separate Program Announcement (PA) to identify contractors to help chrome plating facilities
- Facilities can work with contractors identified by South Coast AQMD or with their own contractors

Timeline



August 5th

- Release two PAs:
- Chrome Plating and Anodizing Facilities
- Equipment Contractors and Installers



Outreach (Summer)

- Email Blast to facilities
- Update the AB 617 ELABHWC Community Steering Committee
- Coordinate with Metal Finishing Association



Proposals

- Facilities submit proposals for review
- South Coast AQMD can provide facilities with contractors that respond to the contractor PA
- ACT NOW!



Implementation

- Execute contracts with facilities and contractors
- Complete projects by June 30, 2024
- Unused funds will be redirected



More Information

- Facilities: [PA #2023-01](#)
- Contractors: [PA #2023-02](#)
- Answers to [Frequently Asked Questions](#)

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PROPOSED RULE 1460 – CONTROL OF PARTICULATE EMISSIONS FROM METAL RECYCLING AND SHREDDING OPERATIONS (PR 1460)

**Community Steering Committee Update
August 2022**

Background



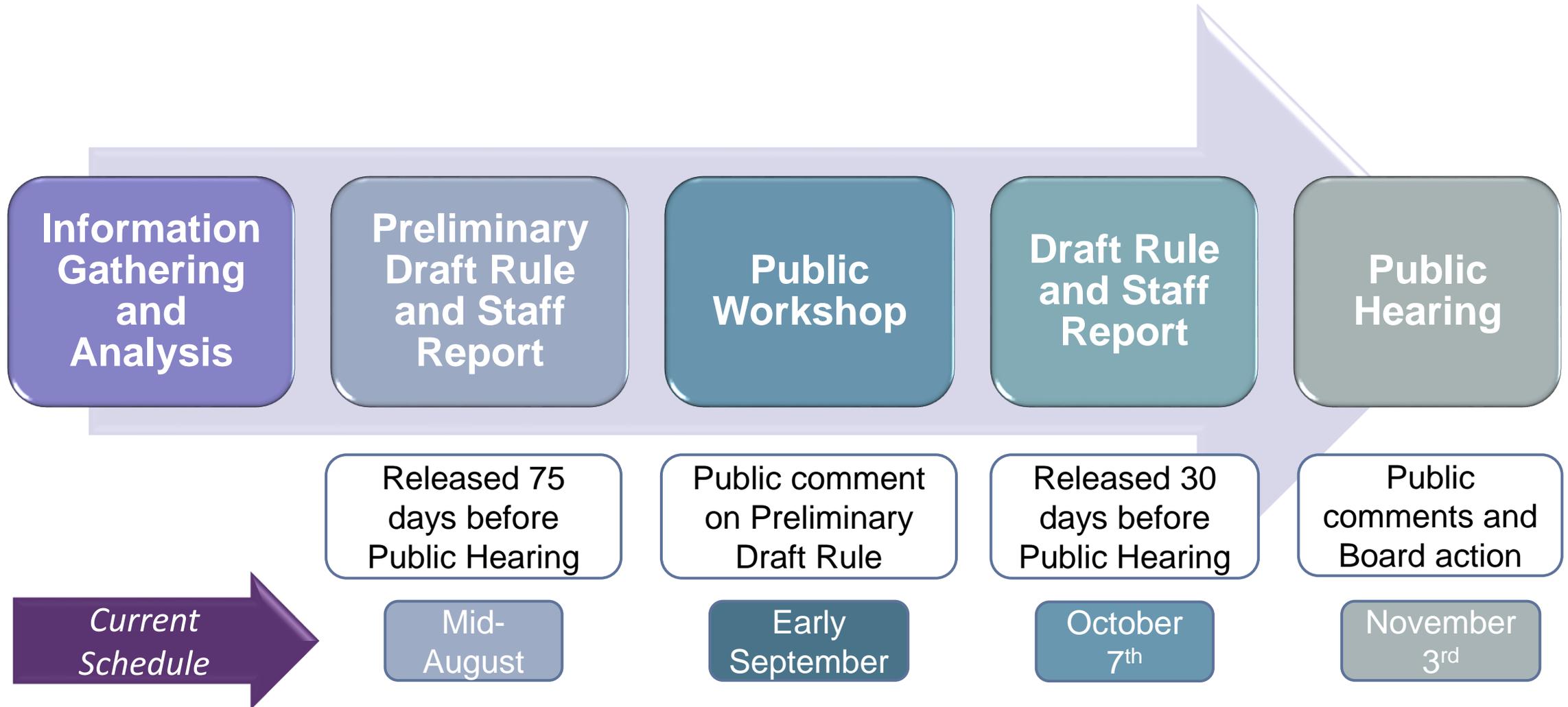
Chapter 5d: Metal Processing Facilities

Action 1

Commits South Coast AQMD to determine if additional actions such as rule development is needed to address emissions from metal processing facilities

- Rule development process initiated for Proposed Rule 1460 – Control of Particulate Emissions from Metal Recycling and Shredding Operations (PR 1460) in March 2022
- Three working group meetings have been held
- For more information, please visit: <http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/rule-1460>

Rule Development Process



PR 1460 – Purpose and Applicability



Intent is to reduce fugitive particulate emissions at:

- Metal Recycling Facilities

- Generally, not subject to South Coast AQMD permits as they do not operate equipment which requires permits
- Approximately 200 facilities



- Metal Shredding Facilities

- Operate metal shredders that require permits to operate
- Five facilities



PR 1460 - Summary



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<input type="checkbox"/> South Coast AQMD Advisor	South Coast AQMD's comprehensive bi-monthly newsletter containing the latest news, including rule updates, the latest on programs for businesses

Subscribe by scrolling down the page and checking off the box for Proposed Rule 1460 to receive future meeting notices and links to documents

↓

<input type="checkbox"/> Rule 1426	Emissions from Metal Finishing Operations
<input type="checkbox"/> Rule 1435	Control of Emissions from Metal Heat Treating Processes
<input checked="" type="checkbox"/> Rule 1460	Control of Particulate Emissions from Metal Recycling and Shredding Operations
<input type="checkbox"/> Rule 1466	Toxic Air Contaminant Emissions from Decontamination of Soil
<input type="checkbox"/> Rule 1469	Hexavalent Chromium Emission from Chrome Plating and Chromic Acid Anodizing Operations

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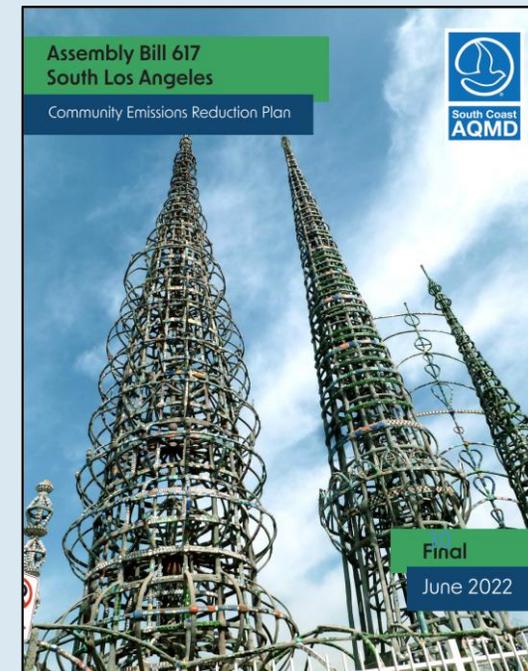
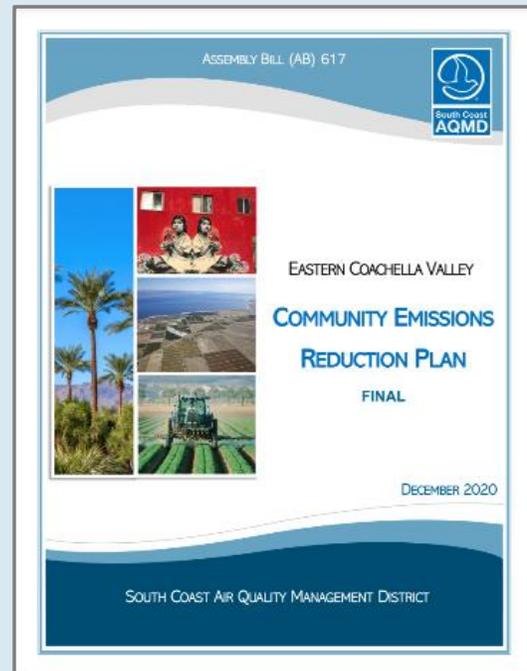
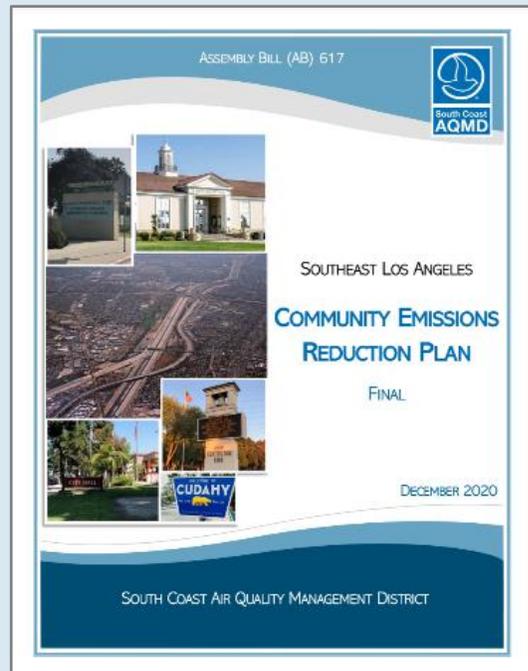
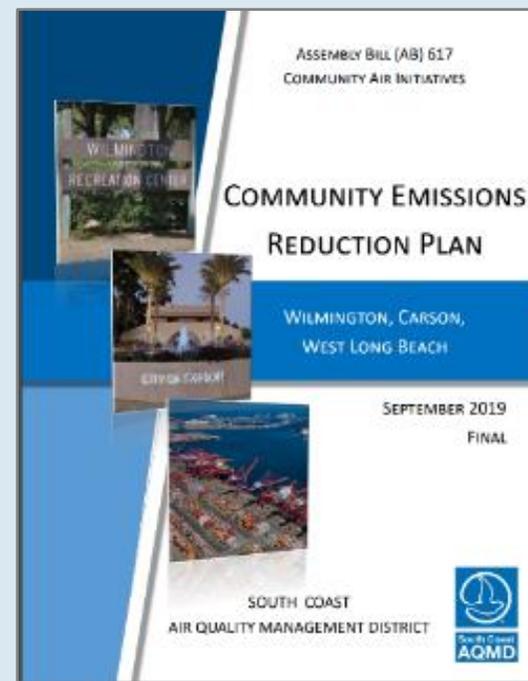
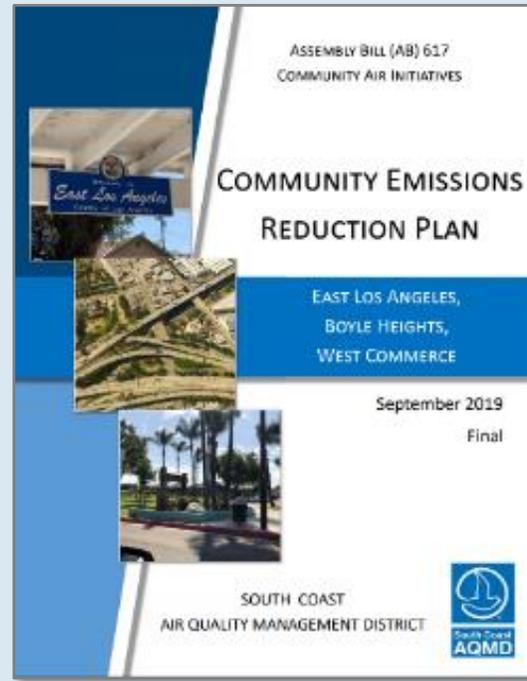
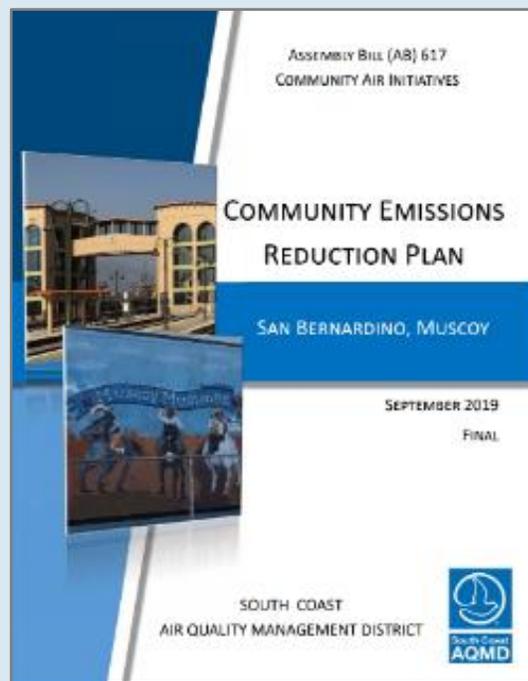
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2022 ANNUAL PROGRESS REPORT



OVERVIEW



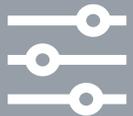
Assembly Bill (AB) 617* requires an annual report on the progress of CERP implementation



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



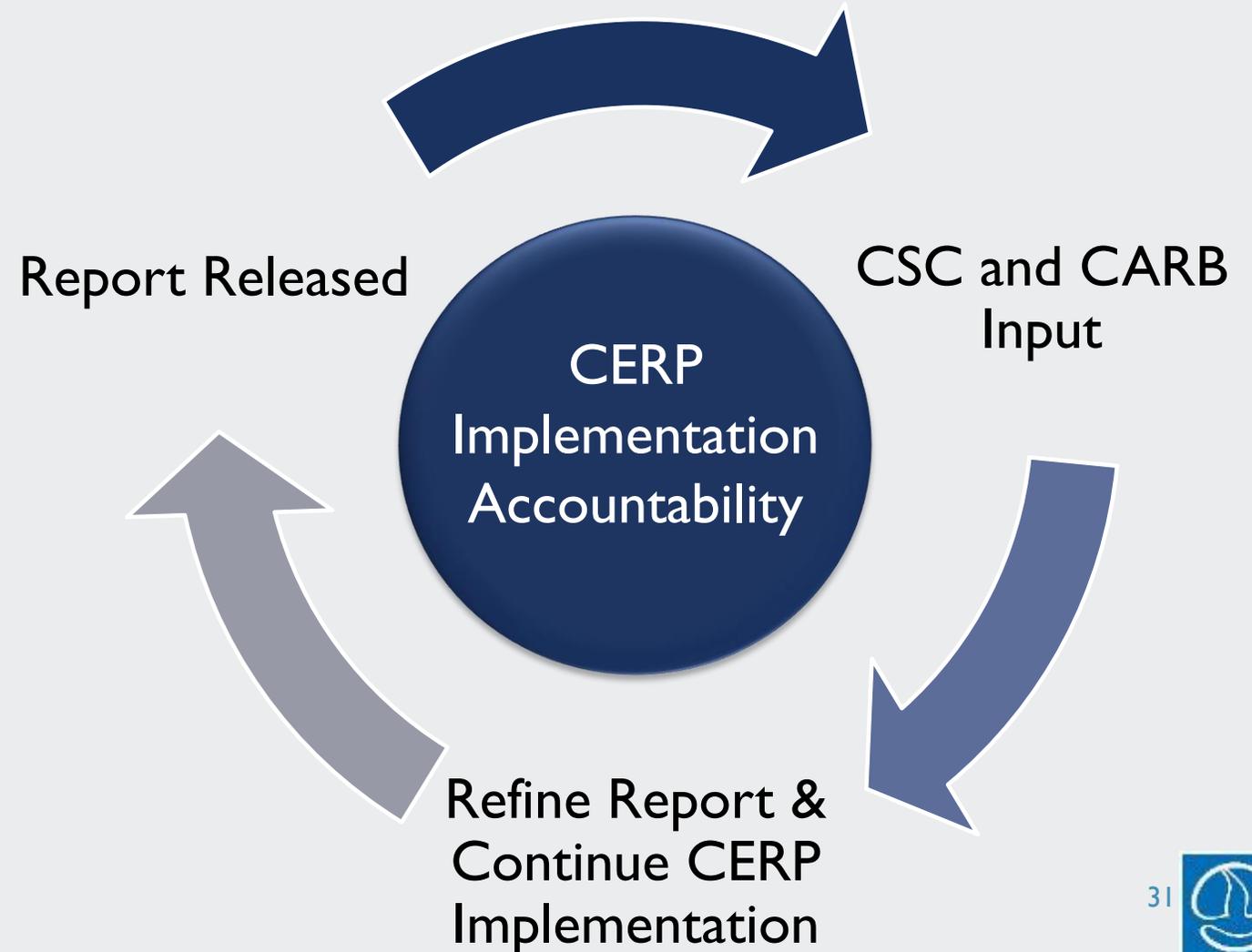
Report sent to each CSC and CARB for review



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 Updates

Overview of CERP Framework

Status of CERP Actions, Goals, and Strategies

Metrics for Tracking Progress

Qualitative Assessment

Summary of Key Plan Adjustments

ELABHWC IMPLEMENTATION HIGHLIGHTS BY STRATEGY

Rule Development

- Initiated **Proposed Rule 1460 – Control of Particulate Emissions from Metal Recycling and Shredding Operations***; conducted 3 Working Group Meetings
 - Anticipated Board Hearing Date: November 3, 2022
- Initiated **Proposed Rule 2306 – Railyard ISR for New Intermodal Facilities****; conducted 5 Working Group Meetings
 - Anticipated Board Hearing Date: 1st quarter 2023

Enforcement

- Continued CARB/South Coast AQMD quarterly **truck idling sweeps**, totaling 1,087 inspections, resulting in 24 violations
- Conducted 126 **inspections at metal processing facilities** resulting in 9 Notices of Violations (NOVs)
- Conducted 25 **inspections at rendering facilities**, resulting in 14 NOVs
- Conducted 42 **inspections of auto body shops**, resulting in 9 NOVs
- Conducted 11 **inspections of waste transfer facilities**, resulting in 1 NOV

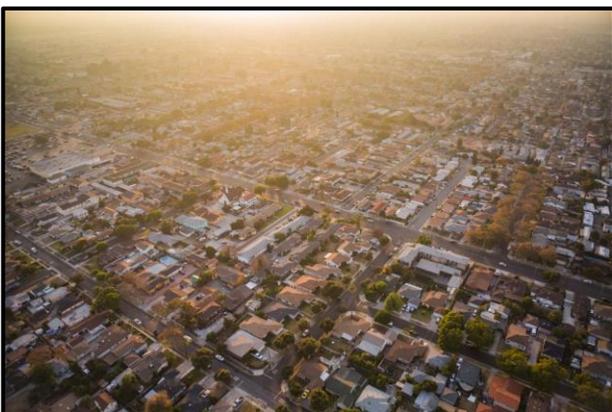
Monitoring

- Aclima Inc. conducted continuous mobile air monitoring between July 1, 2021 – September 30, 2021
- Continued implementing CAMP to assess air quality impacts from heavy-duty trucks, railyards, auto body shops, metal processing facilities, rendering facilities, and general industrial facilities

*<http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/rule-1460>

**<http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/rule-2306>

ELABHWC IMPLEMENTATION HIGHLIGHTS BY STRATEGY (CONT.)



Incentives

- Held 3 **Truck Incentives Workshops** to help develop project plans for distribution of \$1.86 million towards zero-emission trucks; released Draft AB 617 Truck Incentives Workplan*
- CARB approved **Reducing Air Pollution Exposure in Schools and Other Facilities (2022-14CIP-SC**)** project plan to help distribute \$1.86 million for school air filtration system projects
- Submitted the **Residential Air Filtration** draft project plan to CARB for their approval***

Outreach

- Presented at September Boyle Heights Neighborhood Council Transportation & Environment Committee Meeting

* http://www.aqmd.gov/docs/default-source/tao-capp-incentives/truck_incentives-draftfinal-ws.pdf?sfvrsn=17

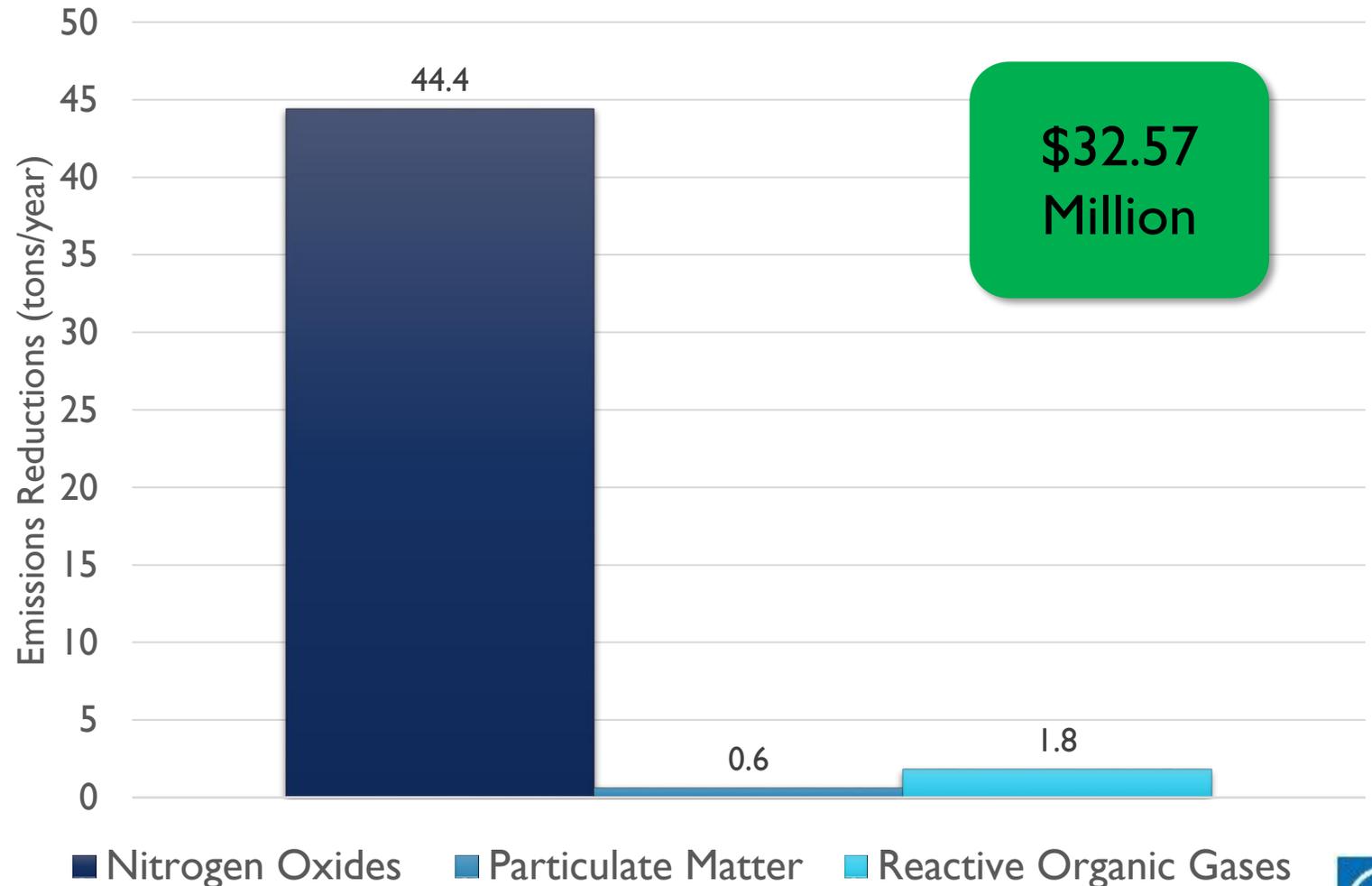
** <http://www.aqmd.gov/docs/default-source/tao-capp-incentives/ab617---school-air-filtration-project-plan.pdf?sfvrsn=8>

*** http://www.aqmd.gov/docs/default-source/tao-capp-incentives/project-plan-residential-air-filtration_6-28-2022.pdf?sfvrsn=6

TOTAL INVESTMENT IN INCENTIVES

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

Approximate Emissions Reductions* Based on Total Investment



■ Nitrogen Oxides ■ Particulate Matter ■ Reactive Organic Gases

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

ANNUAL PROGRESS REPORT TIMELINE



* <http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/east-la>

Questions and/or Comments?

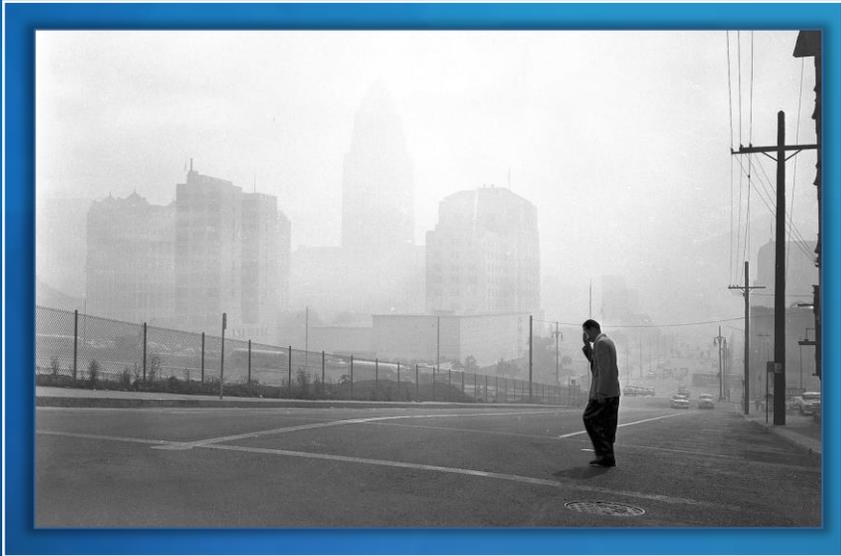
Please submit questions and comments to
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2022 Air Quality Management Plan (AQMP)

- 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

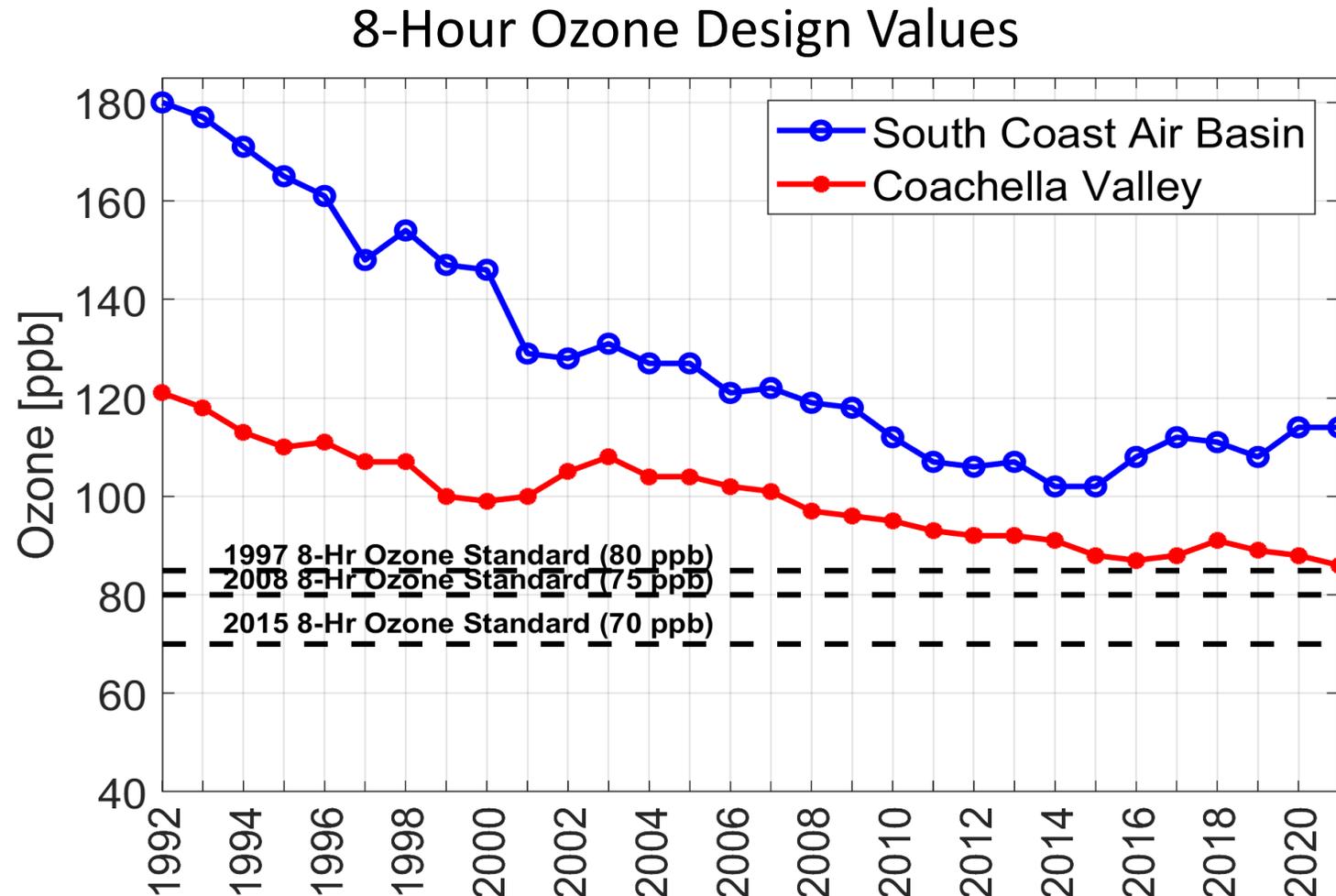


Los Angeles Recent Condition (2018)

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

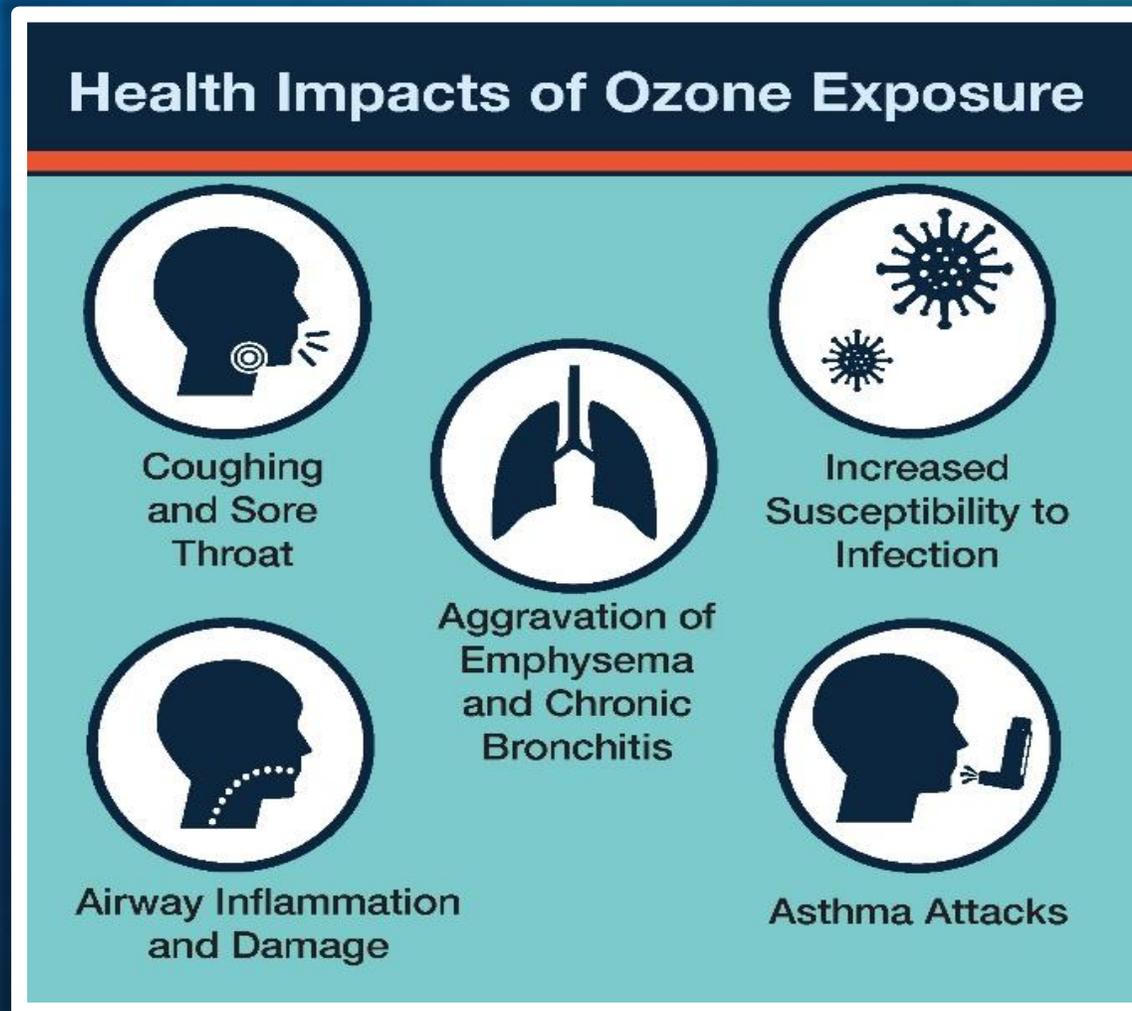
- Worst ozone (smog) in the nation
- Among the worst fine particulate matter (PM2.5)

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

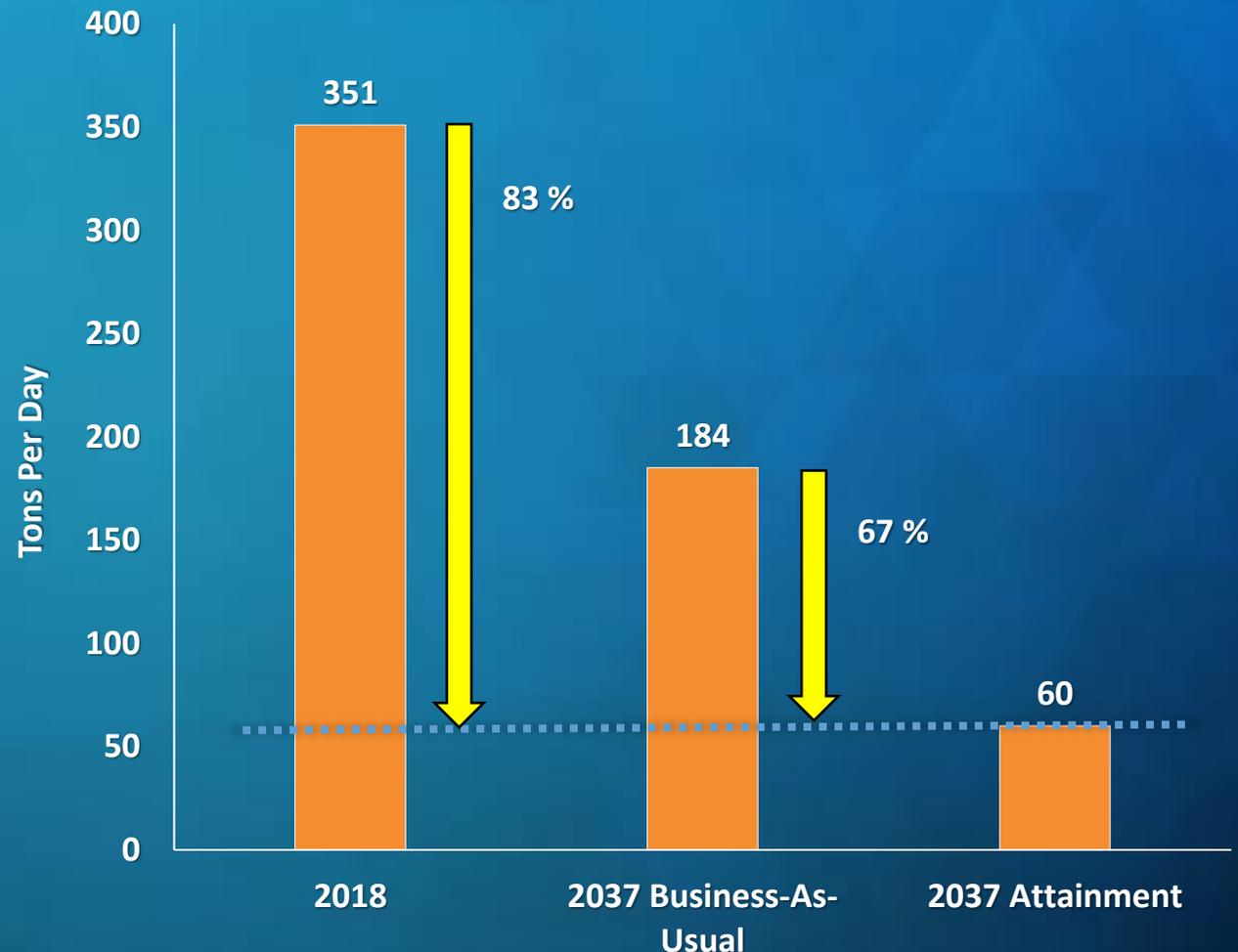
Health Impacts of Ozone



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

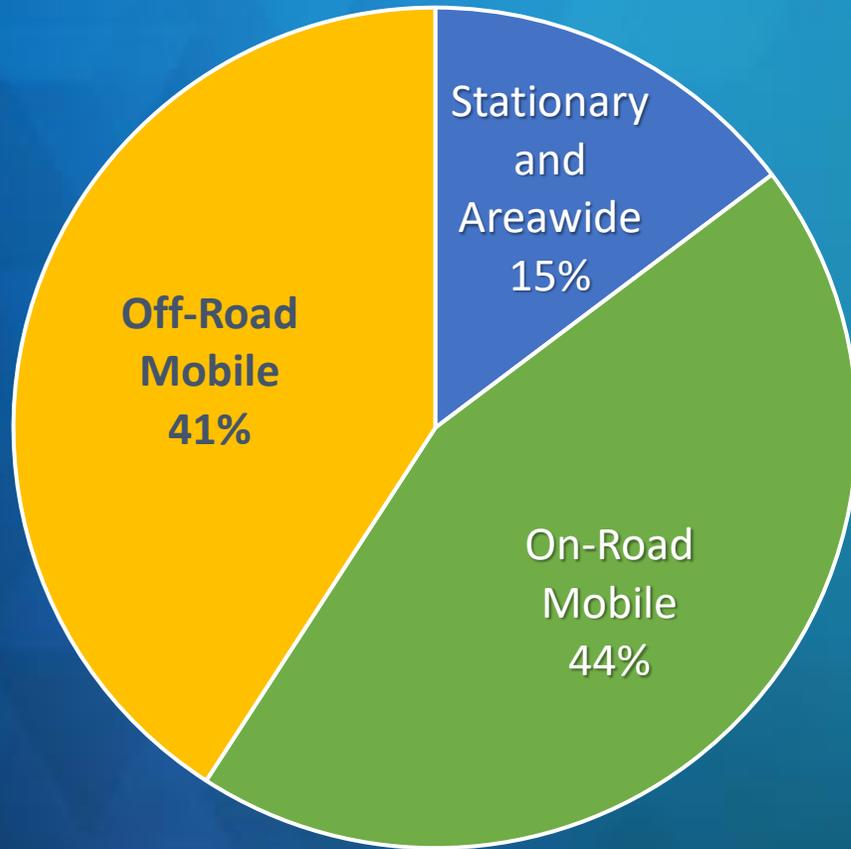
Need to Reduce NOx Emissions

- 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

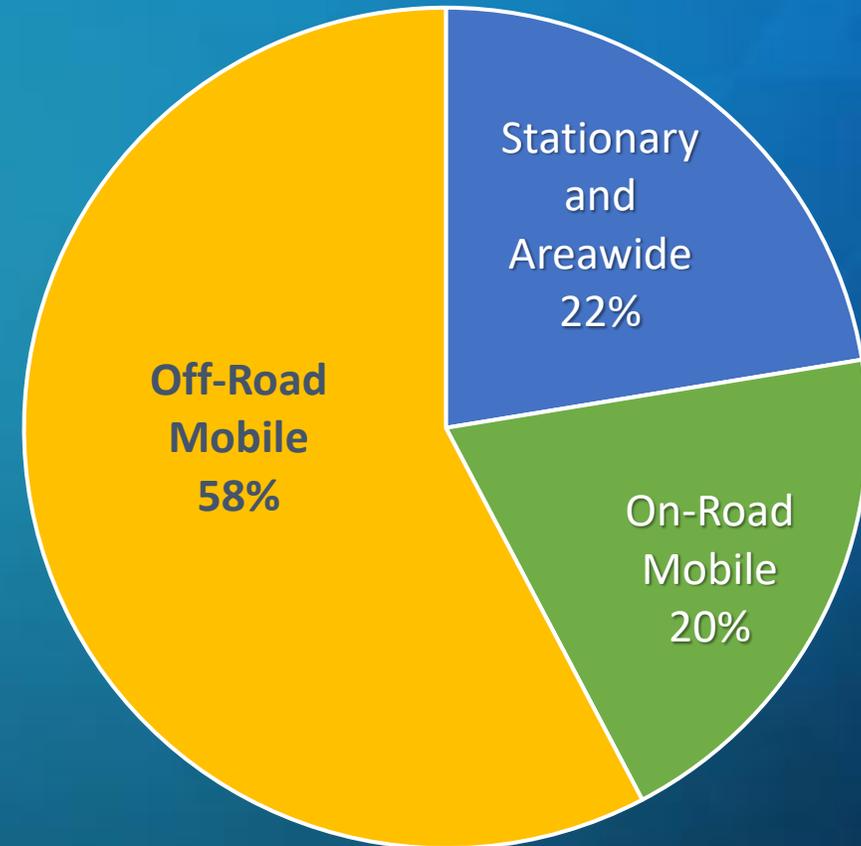


NOx Emission from Different Source Category

2018 NOx Emission
351 tons per day

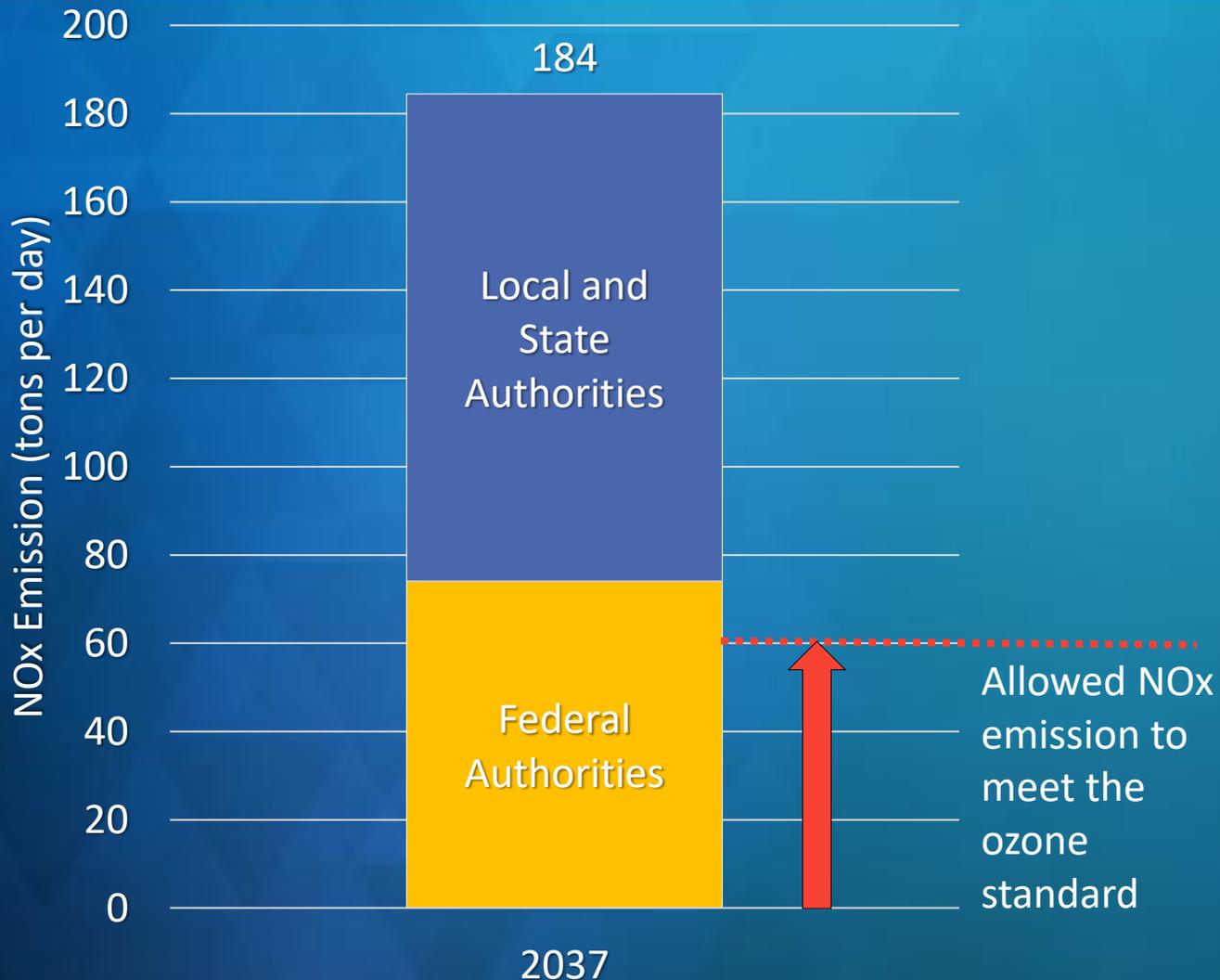


2037 NOx Emission
184 tons per day



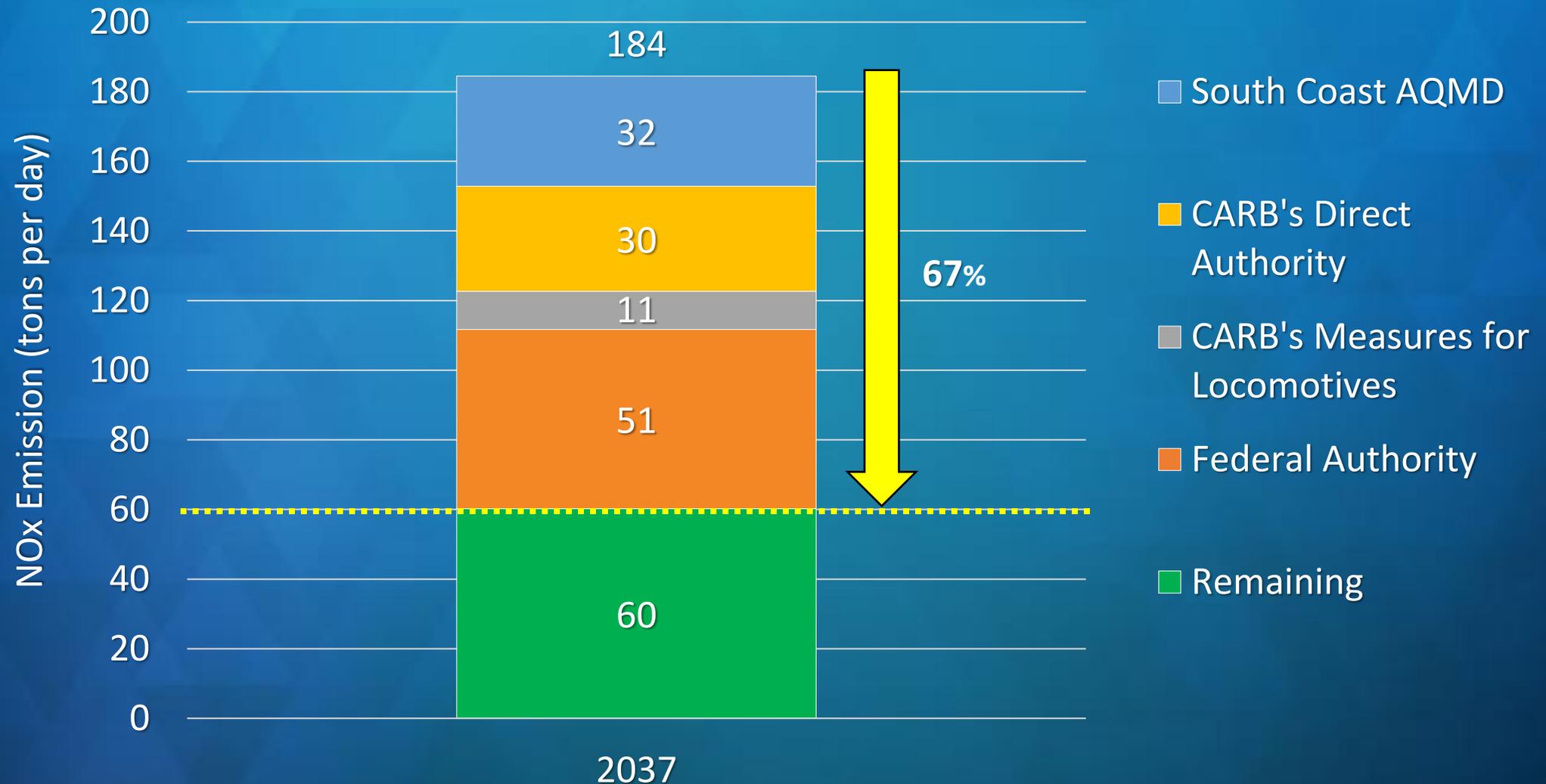
Over 80% of the NOx Emission in 2018 is from mobile sources

Shared Responsibility for Emission Reductions



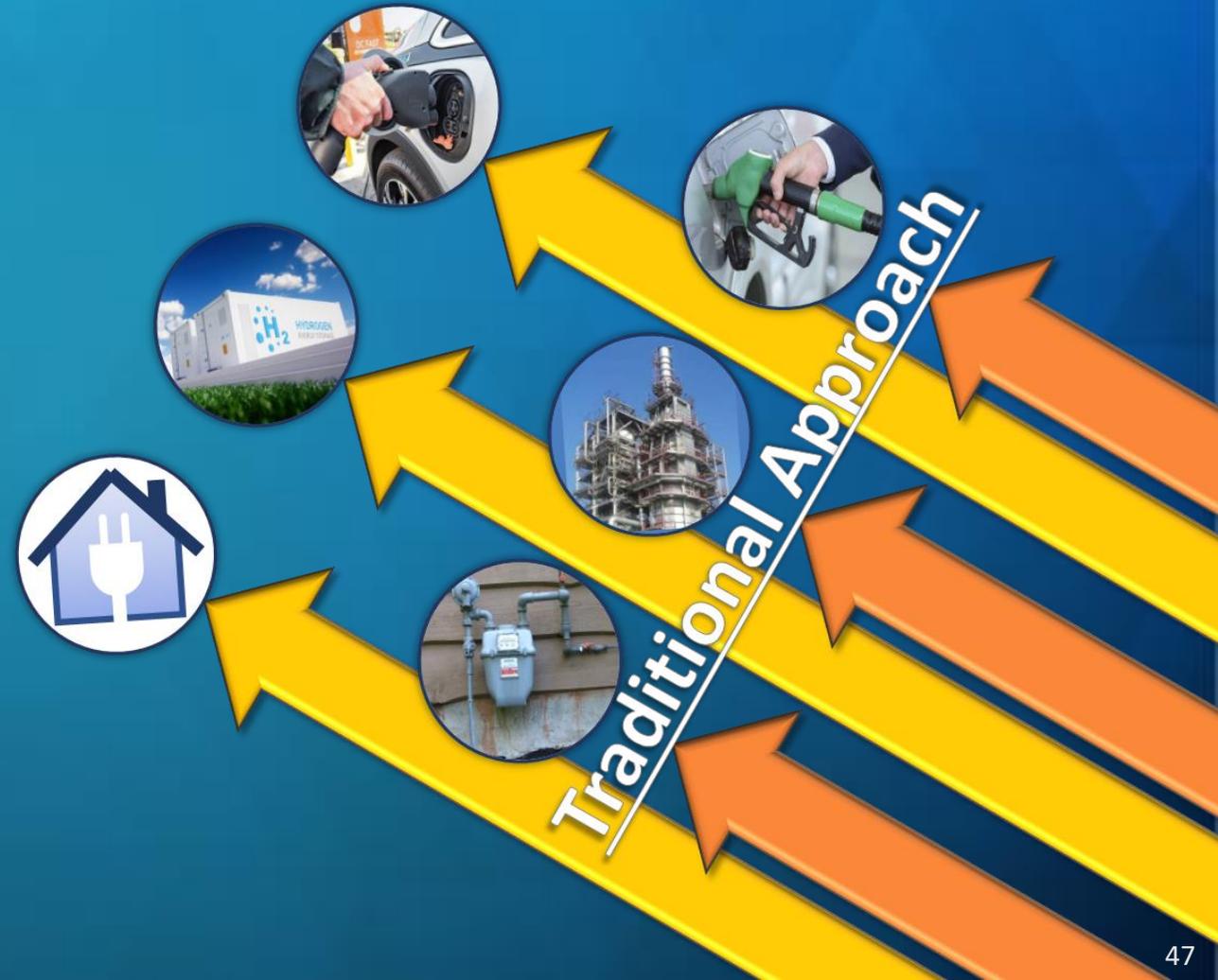
- More than 1/3 of the 2037 baseline emissions inventory is regulated primarily under federal and international jurisdiction, with limited authority for CARB/South Coast AQMD
 - Ships, aircraft, locomotives, etc
- Cannot assign responsibility to federal government to reduce emissions, even from federal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

NOx Reductions Needed for Attainment

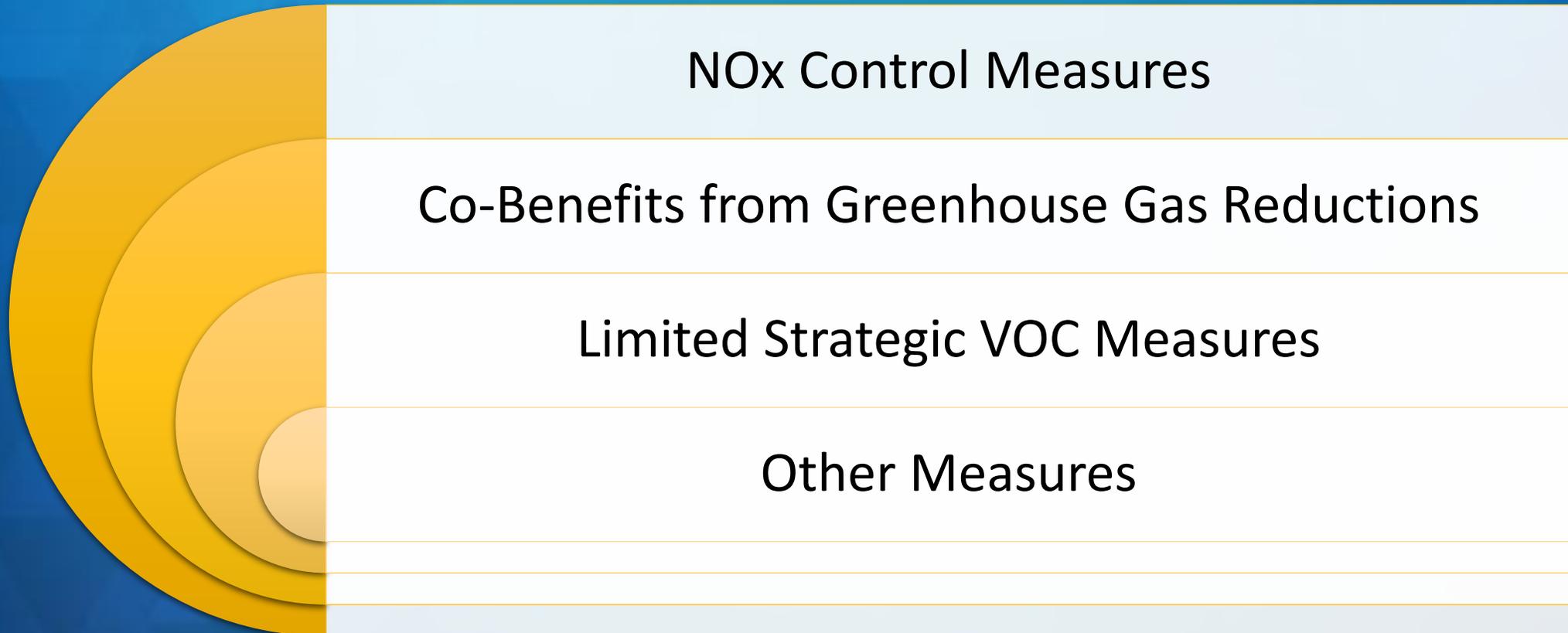


Innovative Approaches Needed

- 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 NO_x 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,
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AQMPteam@aqmd.gov



2023 California Freight Mobility Plan





Did you know...

The San Pedro Bay Ports...

- One in nine jobs in L.A., Orange, Riverside, San Bernardino and Ventura counties are related to the ports of L.A. and Long Beach. And overall, the twin ports create 3 million jobs nationwide.
- Top 4 Imports include
 - Furniture
 - Apparel
 - Electronics
 - Plastics
- Combined moved roughly 19 million containers, or twenty foot equivalent units (TEUs) in 2021

Source:

<https://kentico.portoflosangeles.org/getmedia/c39cbb51-d52e-44bd-89c8-41eba408ab12/2021-facts-figures>

<https://polb.com/port-info/port-facts-faqs/#facts-at-a-glance>

Freight in our Communities

- Food
- Cars
- Medicine
- Vaccines
- PPE for Hospitals





Freight in our Communities

Communities, like yours, close to heavy freight industry activity are disproportionately impacted by freight through:

- **Emissions:** impacts include health problems such as asthma, cancer, and cardiovascular disease.
- **Congestion:** impacts include increased idling and emissions, reduced economic productivity, and increased fuel costs.
- **Noise:** impacts include hearing loss, sleep disruption, and interference with learning processes.
- **Parking:** Trucks parked in neighborhoods

In order to create a functioning freight system for all...
We need your help!



2023 CA Freight Mobility Plan

Vision: As the national gateway for international trade and domestic commerce, California exemplifies the world's most innovative, economically-competitive multimodal freight network that is efficient, reliable, modern, integrated, resilient, safe, and sustainable, where social and environmental impacts are considered equally.

The purpose of the plan is to:

- Propose a long-term vision, goals, and objectives for California's freight future;
- Identify the immediate and long-range planning activities and capital investments by the state with respect to freight movement;
- Reduce freight impacts to communities while maintaining California's economic competitiveness.



Why are we here?

Your input will help develop strategies that:

- Reduce freight impacts to communities (such as air and noise)
- Improve freight efficiency and competitiveness
- Create education programs that support the freight workforce
- Inform project nominations and funding

When poll is active, respond at pollev.com/freightplanning

Text **FREIGHTPLANNING** to **22333** once to join

Which of the following freight impacts do you experience in your community?

Truck traffic congestion

Truck parking on residential streets

Air pollution

Truck driver safety (sharing public roads)

Damaged road/pavement caused by trucks

Noise Pollution

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What other ways does freight affect your community?

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What projects do you think should be a priority in your community?

Rail crossing safety projects

Air quality improvement

Freight job creation/ job training programs

Increase zero emission charging stations/infrastructure

Truck congestion relief

Truck parking

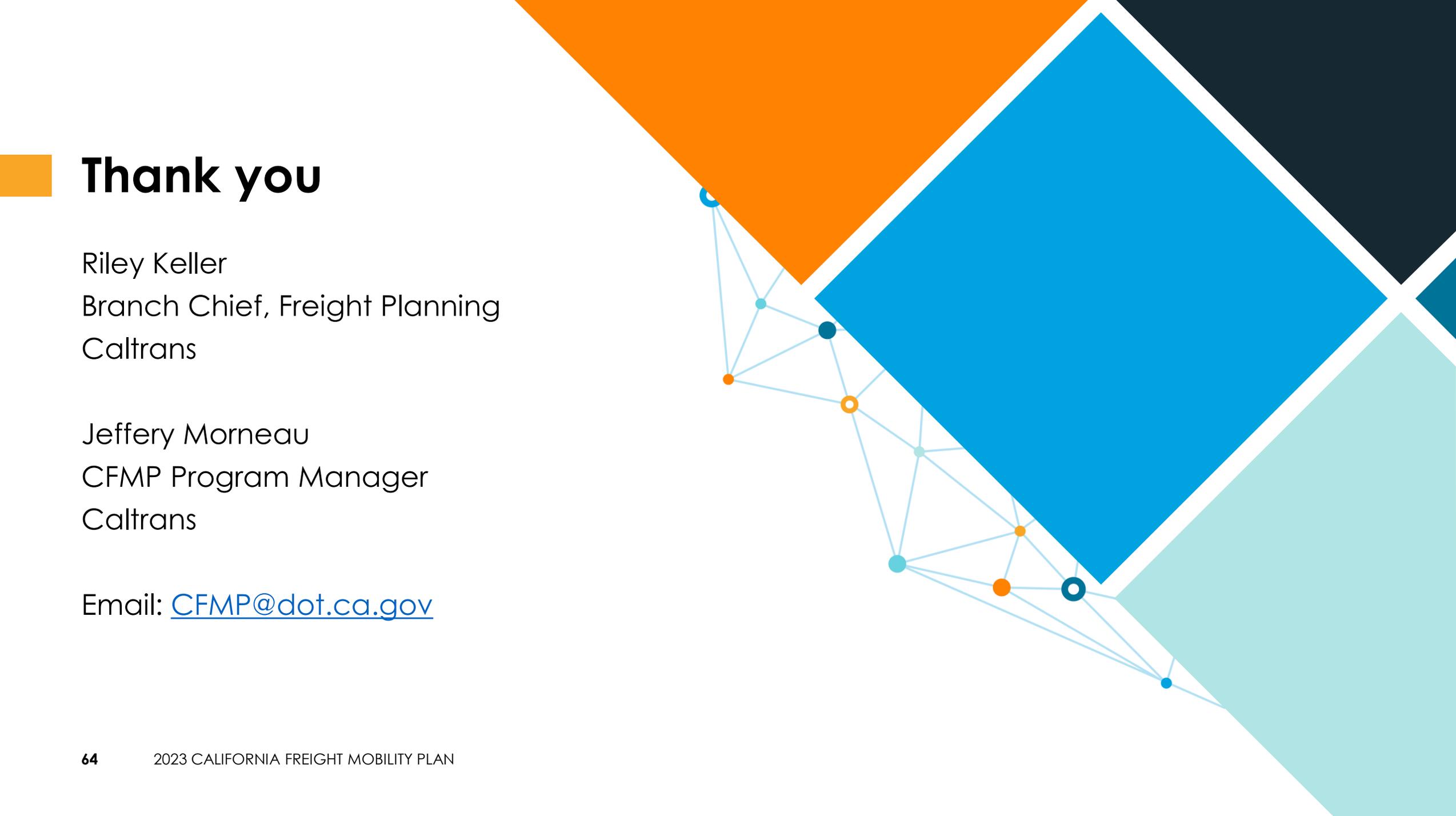
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**What other projects or improvements related to freight
would you like to see in your community?**

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Thank you

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