AB 617 South Los Angeles Community Steering Committee Quarterly Meeting

September 8, 2022 4:00-6:00 PM Zoom Meeting Link





CSC Member Updates and Testimonials





TODAY'S AGENDA



ITEM 1: Where We Are At and South Coast AQMD Update

ITEM 2: Community Emissions Reduction Plan (CERP) Update

ITEM 3: Community Air Monitoring Plan (CAMP) Update

ITEM 4: Annual Progress Report Update

ITEM 5: Air Quality Management Plan (AQMP) Update

ITEM 6: CalTrans California Freight Mobility Plan

ITEM 7: Next Steps

ITEM 8: Public Comments

ITEM 1: Where We Are At and South Coast AQMD Update



Pedro Piqueras, Program Supervisor

CERP Development and Community Steering Committee



CERP Development

Between March 2021 and June 2022

Meetings

Over 25 meetings held during CERP development

16 - Community Steering Committee (CSC) meetings

8 - Monitoring Working Team (MWT) meetings

2 - Virtual Office Hours

2 - In-Person Meetand-Greet events

Community Co-Leads

First South Coast AQMD community to use a community co-lead model

60 meetings with community coleads

CSC Members

46 primary members and 2 alternates

57% of CSC members are SLA residents

CERP Timeline



Launch

January 2021 – May 2021

- Community kick-off meeting
- Designated by CARB (February 2021)
- Established
 Community Steering
 Committee (CSC)
- Established community boundary

Development

May 2021-May 2022

- Identified air quality priorities
- Developed CERP and Community Air Monitoring Plan (CAMP)
- CERP extension approved (March 2022)
- Stationary Source Committee (May 2022)

Adoption

June 2022-August 2022

- South Coast AQMD
 Governing Board
 adopted CERP (June
 3, 2022)
- Finalized CAMP (June 2022)
- CARB Board approved CERP (August 25, 2022)

Implementation

2022-2027

 Implement CERP and CAMP

CARB Board Meeting Summary - August 25, 2022



Topics of Discussion:

- Community Co-Leads
 - History of SLA
 - AB 617 Program and Community Selection Process
 - Co-Leadership Model: Challenges and Lessons Learned
 - Just Transition
- South Coast AQMD
 - CERP Overview: Actions and Strategies
 - South Coast AQMD AB 617 Program Highlights
- CARB Staff Presentation
 - Interviews with CSC Members
 - Recommended Actions to Strengthened Implementation

CARB Board Comments:

- "...very pleased and optimistic that this CERP is going to make a difference in this community." Dr. John Balmes, CARB Board Member (5:21)*
- "...most cohesive and coordinated collaborative report that I've seen from an AB 617 community...." –John Eisenhut, CARB Board Member (5:35)*



CARB Board unanimously approved the SLA CERP

CARB Board Meeting materials and information:

https://ww2.arb.ca.gov/ma082522

*CARB Board Meeting Recording:

https://cal-span.org/meeting/carb_20220825/

CERP Implementation: Next Steps



• Every three (3) months

Next CSC meeting: December 8, 2022

> Quarterly CSC Meetings

Monitoring Working Team Meetings

Annual

Progress

Reports

 Continue meetings with Monitoring Team to discuss **CAMP** implementation

CERP and **CAMP**

- Implement goals and action in CERP
- Continue monitoring in accordance with CAMP

Submit to CARB annually summarizing the results of **CERP** implementation

ITEM 2: CERP Overview



Paul Rodriguez, Assistant Air Quality Specialist

Final CERP Overview: Main Chapters



Executive Summary

Chapter 1: Introduction

Chapter 2a to 2d: Community Profile, Just Transition, and Emissions and Source Attribution

Chapter 3: Community Outreach, Community Steering Committee, Community Engagement, and Public Process

Chapter 4: Enforcement Overview and History

Chapters 5a-5f: Actions to Reduce Air Pollution Emissions or Exposure

Chapter 6: Community Air Monitoring Plan (CAMP) Summary

Chapter 5a: Introduction to Actions to Reduce Community Air Pollution

Chapter 5b: Mobile Sources

Chapter 5c: Auto Body Shops

Chapter 5d: General Industrial Facilities

Chapter 5e: Metal Processing Facilities

Chapter 5f: Oil and Gas Industry

Final SLA CERP:

http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/south-la/final-cerp.pdf?sfvrsn=12

Final CERP Overview: Appendices



Appendix 2a, 2b, and 2d: Community Profile, Environmental Justice Timeline, and Source Attribution

Appendix 3: Community Outreach, Community Steering Committee, Community Engagement, and Public Process

Appendix 4: Enforcement Overview and History

Appendices 5a-5f: Actions to Reduce Air Pollution Emissions or Exposure

Appendix 7: California Environmental Quality Act (CEQA) Analysis

Appendix 8: Comments and Response to Comments

Appendix 9: Acronyms

Appendix 5a: South Coast AQMD Regulatory Program and Ongoing Efforts

Appendix 5b: Mobile Sources

Appendix 5c: Auto Body Shops

Appendix 5d: General Industrial Facilities

Appendix 5e: Metal Processing Facilities

Appendix 5f: Oil and Gas Industry

Air Quality Priorities



5 Air Quality Priorities



Mobile Auto Body Sources Shops



General Industrial Facilities



Metal Processing Facilities



Oil and Gas Industry

37 Goals

- Emissions reduction
- Exposure reduction
- Increased monitoring

73 Actions

- Rule development
- Incentives
- Enforcement
- Air monitoring
- Public information and outreach
- Collaborations

Rule Development



Auto Body Shops

- Rule 1151 Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations
- Rule 1171 Solvent Cleaning Operations

General Industrial Facilities

• Rule 1102 – Dry Cleaners Using Solvent Other Than Perchloroethylene

Metal Processing Facilities

- Rule 1407 Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations
- Rule 1407.1 Control of Toxic Air Contaminant Emissions from Chromium Alloy Melting Operations
- Rule 1426 Emissions from Metal Finishing Operations
- Rule 1430 Control of Emissions from Metal Grinding Operations at Metal Forging Facilities
- Rule 1469 Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations
- Rule 1469.1 Spraying Operations Using Coatings Containing Chromium
- **Proposed Rule 1460** Control of Particulate Emissions from Metal Recycling and Shredding Operations

Oil and Gas Industry

- Rule 1148.1 Oil and Gas Production Wells
- Proposed Amended Rule 1148.2 Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers

Incentives



Mobile Sources

- School air filtration systems
- Community projects
- Cleaner mobile source technologies



Auto Body Shops

- Low-VOC paints and coatings
- Water-based cleaners



General Industrial Facilities

- Loweremitting or cleaner alternatives
- Transition to communityidentified zero-emission alternatives



Metal Processing Facilities

- Best management practices (BMPs)
- Installation of emissions control technologies and conversion projects



Oil and Gas Industry

- BMPs
- Emission reduction technologies



Enforcement





Focused Enforcement

- Warehouses*
- Construction sites
- Auto body shops
- Dry cleaning regulations**
- Chrome plating operations***

Inspections

- Truck idling sweeps**
- Oil and gas industry facilities of concern

^{*}Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions And Investments To Reduce Emissions (WAIRE) Program

^{**} In collaboration with CARB

^{***} CARB Chrome Plating Airborne Toxic Control Measure (ATCM) through Rule 1469 – Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations

Air Monitoring



CSC-Identified Facilities of Concern

- Auto Body Shops
- General Industrial Facilities
- Metal Processing Facilities
- Oil and Gas Industry

Air Measurement Surveys

 To identify and characterize any potential emissions

Monitoring Data

- Findings presented periodically to the CSC
- Will be available online









Public Outreach and Information



Distribution of Materials

• E.g., Best management practices, "Good Neighbor" practices, permitting process, incentive programs

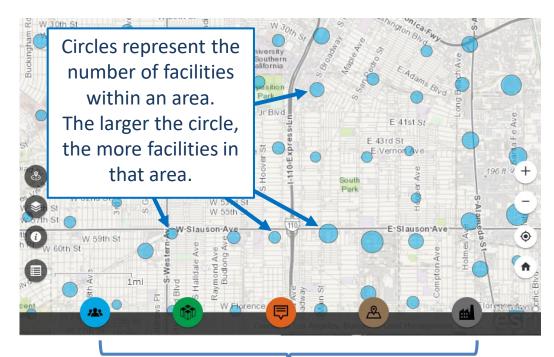
Training

• E.g., Facility INformation Detail (F.I.N.D.) tool, how to file a complaint

Workshops

 E.g., South Coast AQMD's Auto Body Shops Workshop, CARB's Criteria Pollutant and Toxics Emissions Reporting (CTR) Workshop

Example of South Coast AQMD's F.I.N.D. Interactive Map Showing Location of Active Facilities



This menu filters facilities by:
AB 617 communities, facilities information,
compliance, location, and industry type.

Collaboration



Identify truck routes for mobile sources

Report
inspection
results and
coordinate with
appropriate
agencies

Conduct
inspection
sweeps of auto
body shops and
industrial
facilities

Make referrals for issues found outside of South Coast AQMD's jurisdiction

Collaborate with other agencies on auto body shops, general industrial facilities, and oil and gas monitoring

South Coast AQMD Contacts: CERP





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- Uyen-Uyen Vo
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 Manager
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 909-396-2238
- Michael Krause Assistant Deputy Executive Officer <u>mkrause@aqmd.gov</u> 909-396-2706



Proton Transfer Mass Spectrometer







FLIR Camera



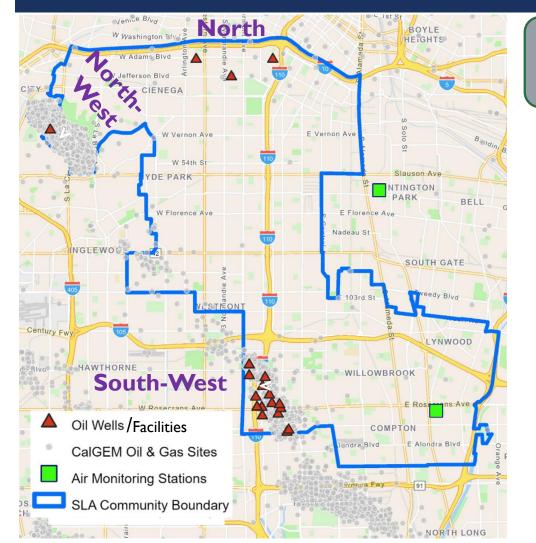
Toxic Vapor Analyzer

CAMP IMPLEMENTATION UPDATE - MOBILE MONITORING OF OIL WELLS

Angela Haar, PhD Principal Air Quality Chemist Pavan Rami Staff Specialist



OIL WELL MONITORING IN SOUTH LOS ANGELES COMMUNITY



Mobile Laboratories are excellent leak detection tools.

Multiple wells / facilities can be surveyed in a relatively short time.



Optical Remote
Sensing Mobile
Laboratory (ORS ML)



Trace Organics Mobile Platform



INTEGRATED APPROACH TO AIR MONITORING NEAR OIL WELLS

- Area wide mobile monitoring with enforcement team support
- Identify locations with enhanced VOC concentrations

Area Surveys

Source Identification

 Identification of emission sources through investigative monitoring

- Use optical gas imaging cameras
- Use Toxic Vapor Analyzers (TVA) to confirm leaks and quantify concentrations
- Determine if enforcement action needed
- Operator required to fix leak
- South Coast AQMD inspectors verify

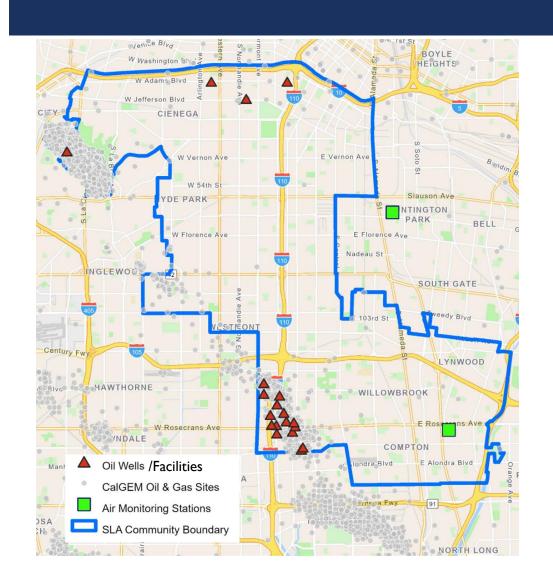
Enforcement



SUMMARY OF MOBILE MEASUREMENTS NEAR OIL SITES APRIL – AUGUST 2022

Dates	Region and Air Monitoring Findings	Compliance Activities
April 6, 2022	North Murphy, Jefferson, Allenco sites survey using ORS ML No substantial enhancements of VOCs detected	3 inspections 0 NOV issued
July 27, 2022	 North Murphy, Jefferson, Allenco sites survey using Trace Organics Mobile Platform No substantial enhancements of BTEX, deodorant tracers or odorant tracers detected 	3 inspections 0 NOV issued
July 28, 2022	 South-West Complete area survey using ORS ML Enhancements of total alkanes and benzene detected at two locations 	 2 inspections at 15507 Deblynn Ave. 14501 S. Figueroa St. 2 NOVs issued
August 3, 2022	 South-West Complete area survey, including follow-up measurements near the sites where elevated VOCs were detected on July 28th using ORS ML No substantial enhancements of VOCs detected 	2 inspections I NOV issued

ENFORCEMENT ACTIVITIES SUMMARY



- Since January 2022, inspectors have conducted 34 staff-initiated inspections within SLA at crude oil and gas production facilities
- 15 of these inspections resulted in enforcement actions

CONTACTS



- ☐ Angela Haar, PhD Principal Air Quality Chemist Monitoring and Analysis Division ahaar@aqmd.gov 909-396-2518
- □ Pavan Rami **Staff Specialist** Compliance and Enforcement **Division** prami@aqmd.gov 909-396-2361

ITEM 4: Annual Progress Report Update

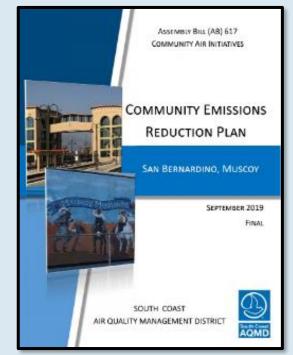


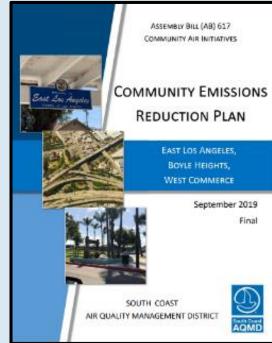
Paul Rodriguez, Assistant Air Quality Specialist

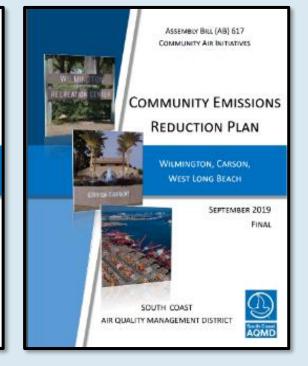
2022 ANNUAL PROGRESS REPORT

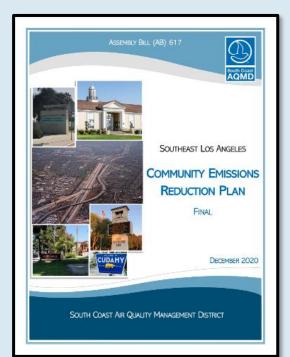
PAUL RODRIGUEZ
ASSISTANT AIR QUALITY

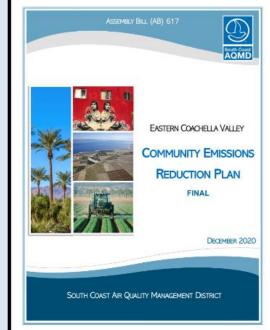
SPECIALIST

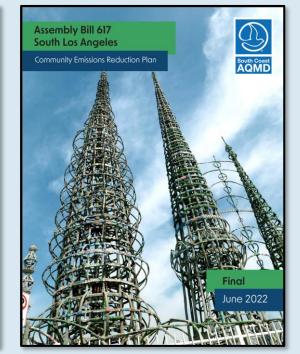














OVERVIEW



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

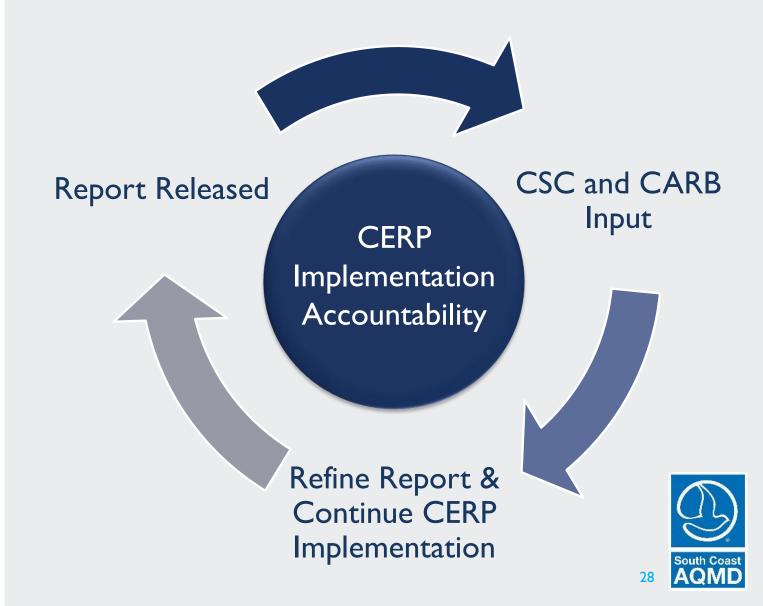


Report sent to each CSC and CARB for review



CARB may provide suggestions on CERP implementation

PURPOSE



Overview of Annual Progress Report Elements

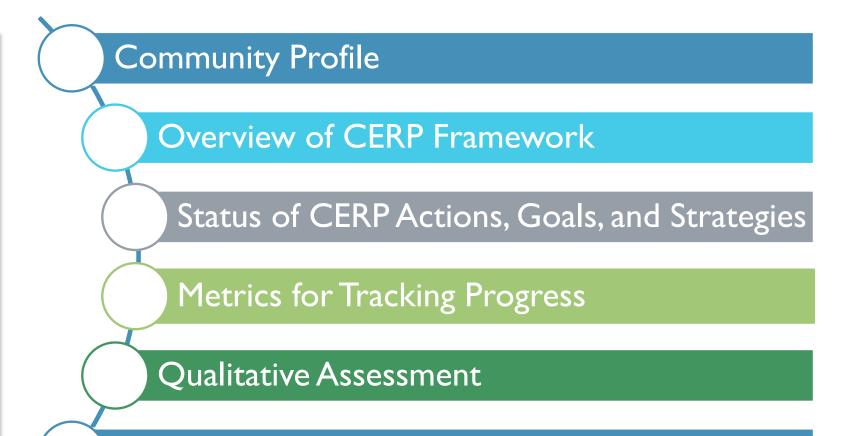


ANNUAL PROGRESS REPORT FOR
ASSEMBLY BILL 617
COMMUNITY EMISSIONS
REDUCTION PLANS

October 2022



South Coast Air Quality Management District



Summary of Key Plan Adjustments

SLA CERP Implementation Highlights by Strategy







Rule Development

- Initiated Proposed Amended Rule 1148.2 Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers*
 - Conducted three Working Group Meetings (WGM)
 - Anticipated Board Hearing: November 2022
- Initiated Proposed Rule 1460 Control of Particulate Emissions from Metal Recycling and Shredding Operations**
 - Conducted three Working Group Meetings (WGM)
 - Anticipated Board Hearing: November 2022

^{*} Proposed Amended Rule 1148.2, http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/rule-1148-2

^{**} Proposed Rule 1460, http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules/rule-1460

SLA CERP Implementation Highlights by Strategy















- Mobile monitoring has been initiated near and around facilities of concern to identify and characterize potential emissions of air toxic metals
- Mobile monitoring of volatile organic compounds (VOCs) will begin in Quarter 3 to Quarter 4 of 2022

ANNUAL PROGRESS REPORT TIMELINE



Early September

September 16

October 7

Mid-October

December 2022

- Draft report release*
- Written comment period
- Stationary Source
 Committee
 (Opportunity for verbal comments)
- Governing Board
 Meeting (Opportunity
 for verbal comments)
- Submit APR to CARB
- Present APR to CARB Board

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

http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/south-la

Questions and/or Comments?

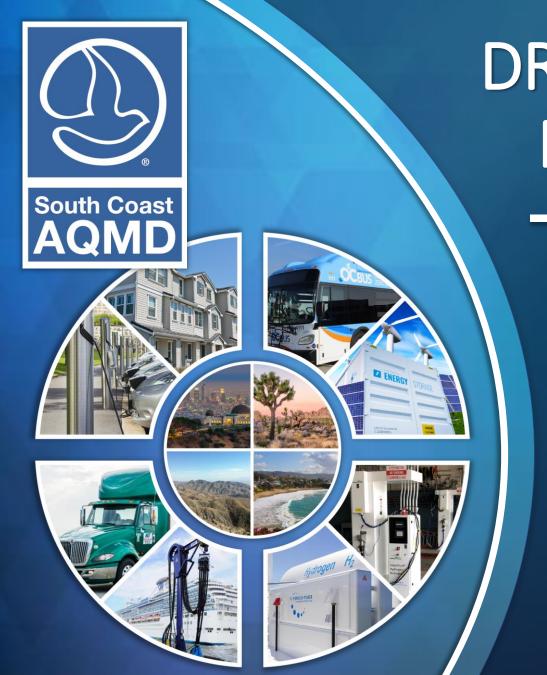
Please submit questions and comments to

ab617@aqmd.gov

ITEM 5: AQMP Update



Michael Krause, Assistant Deputy Executive Officer



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

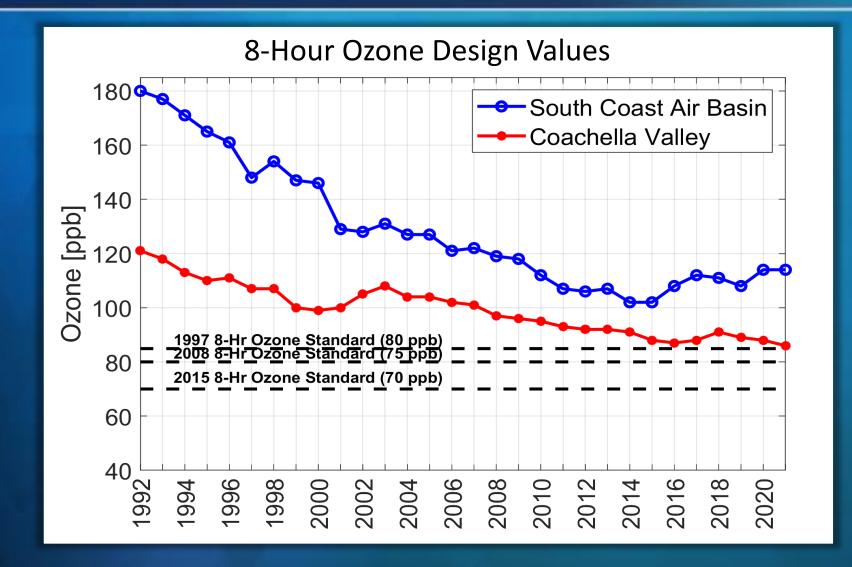
Our region has historically suffered from some of the worst air quality in the United States

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

Health Impacts of Ozone Exposure



Coughing and Sore Throat



Airway Inflammation and Damage



Aggravation of Emphysema and Chronic Bronchitis



Increased Susceptibility to Infection



Asthma Attacks

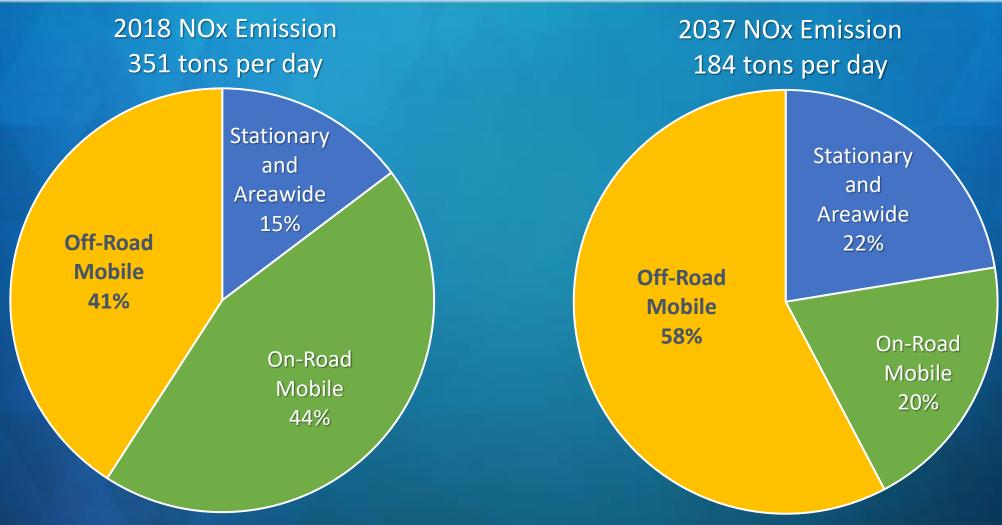
- Ozone precursor pollutants also increase fine particulate (PM2.5) pollution
- PM2.5 can cause premature death in addition to other serious health effects

Need to Reduce NOx Emissions

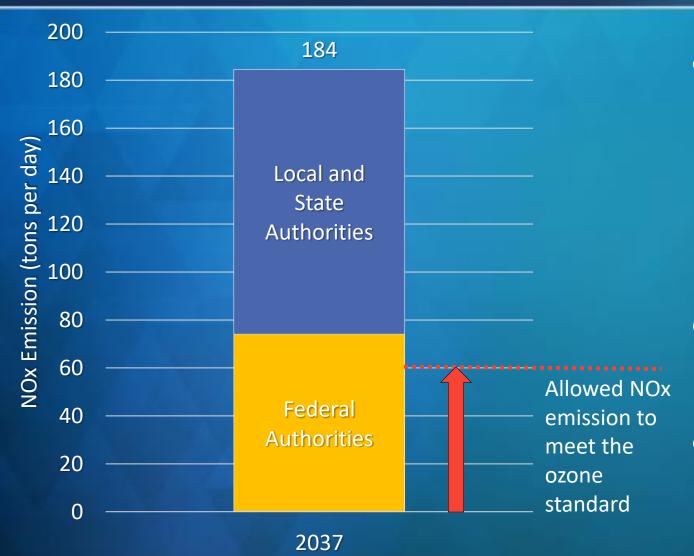
- The primary pollutant that must be controlled to reduce ozone in our region is nitrogen oxides (NOx)
- NOx is formed during processes that burn fuels
- NOx must be reduced to 60 tons per day to meet the ozone standard
 - 83% below current conditions
 - 67% below Business-As-Usual conditions in 2037



NOx Emission from Different Source Category

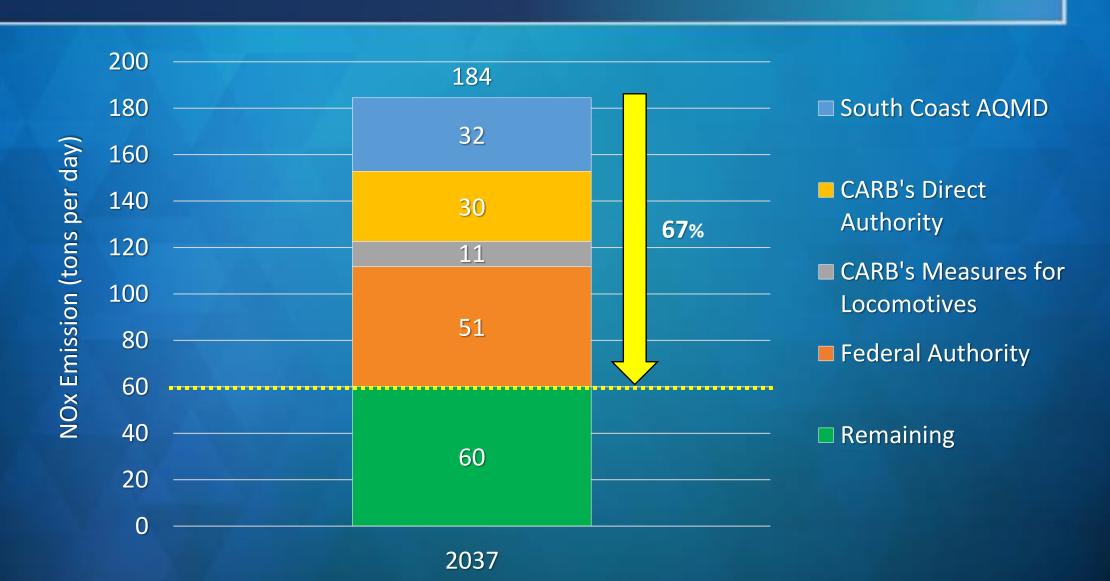


Shared Responsibility for Emission Reductions



- 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

NOx Control Measures

Co-Benefits from Greenhouse Gas Reductions

Limited Strategic VOC Measures

Other Measures

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



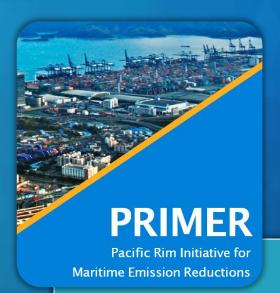


- Airports
- Marine Ports
- Railyards
- Warehouses



Emissions Growth

- Clean Construction
- New and Re-development



Incentive and Partnership

- Incentive Funding
- PRIMER

Public Input and Outreach



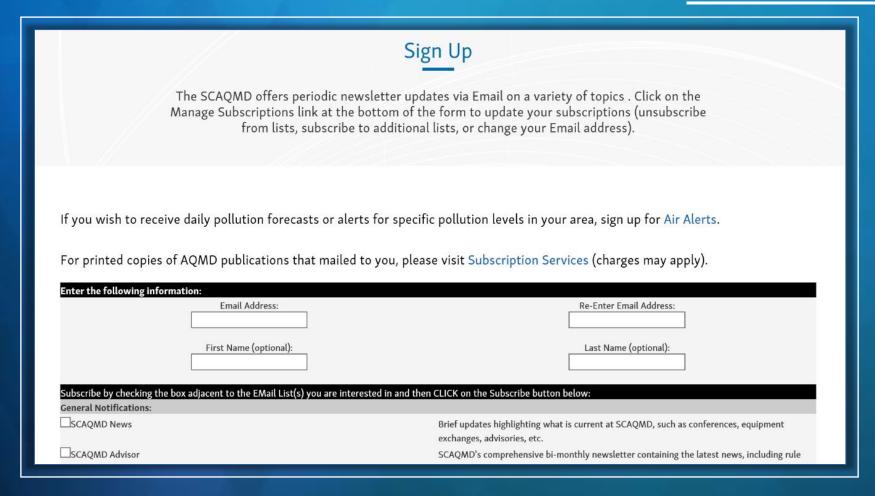
Development Process

- 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

Stay Informed

Sign up to Receive Newsletter Updates via http://www.aqmd.gov/sign-up



Subscribe to:





For comments or questions, please email: AQMPteam@aqmd.gov



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 an 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

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



What other ways does freight affect your community?





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



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

Stay Informed!



- Subscribe to the Freight Planning Newsletter
- Visit our Webpage

Thank you

Riley Keller Branch Chief, Freight Planning Caltrans

Jeffery Morneau CFMP Program Manager Caltrans

Email: CFMP@dot.ca.gov



ITEM 7: Next Steps









- Next Quarterly CSC Meeting
 - December 1, 2022 from 4:00pm to 6:00pm
- CSC Stipends

SOUTH COAST AQMD CONTACTS:





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- General AB 617 inquiries: <u>ab617@aqmd.gov</u>
- SLA Community Webpage: <u>http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/south-la</u>

ITEM 8: Public Comments

