

South Coast AQMD *Community Air Protection Programs and Policy*

CE-CERT 11th Annual Portable Emissions Measurement Systems Conference
March 17-18, 2022

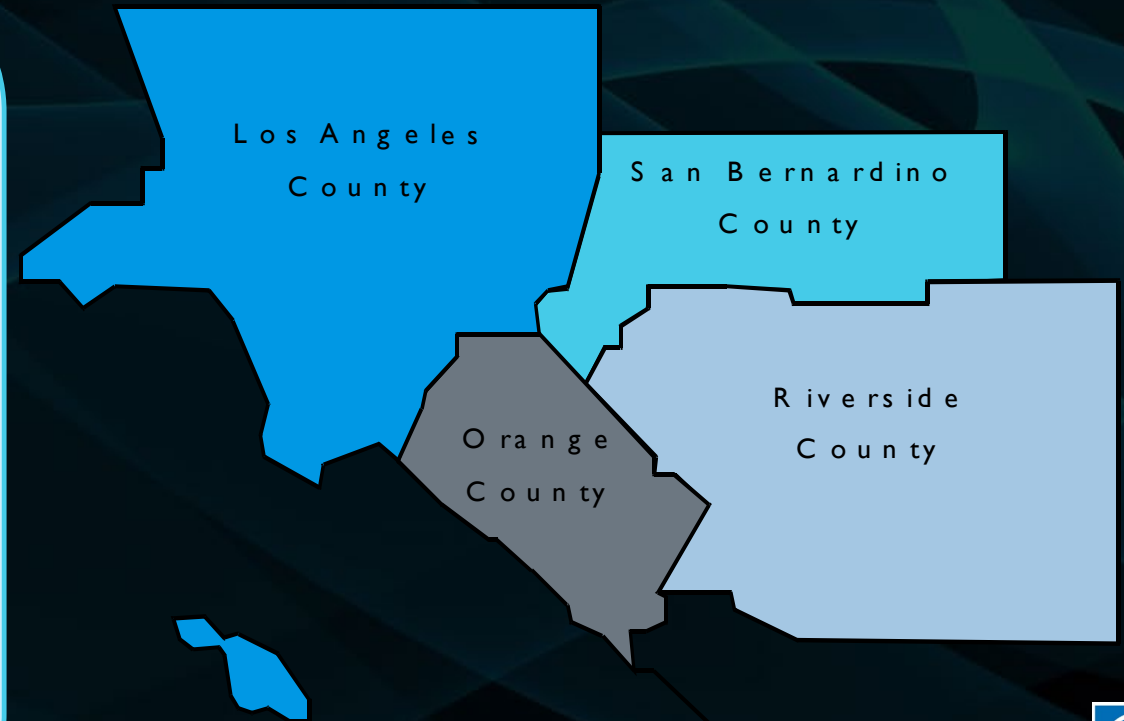
Kathryn Higgins
Director of Community Air Programs



Who Are We?

South Coast AQMD is the regulatory agency responsible for improving air quality for large areas of Los Angeles, Orange, Riverside and San Bernardino counties, including the Coachella Valley. The region is home to more than 17 million people—about half the population of the entire state of California.

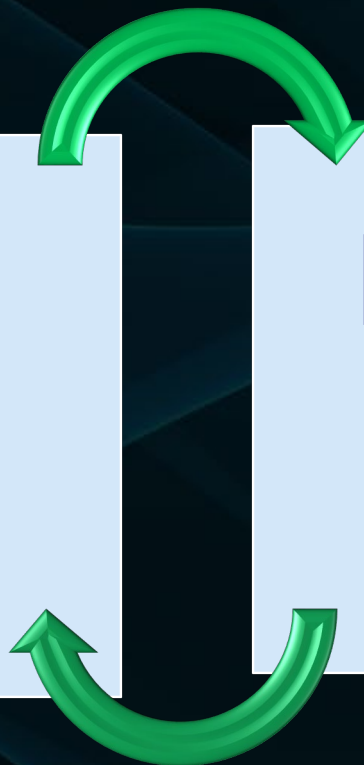
- **Adopt air quality rules and regulations**
- **Ensure rule compliance through:**
 - **Inspections**
 - **Permitting**
 - **Air quality complaint response**
- **Clean technology**
- **Air monitoring**
- **Public outreach**



COMMUNITY FOCUSED PROGRAMS

Assembly Bill
617

Environmental
Justice



ENVIRONMENTAL JUSTICE

Environmental Justice, or "EJ" has been defined by South Coast AQMD as:

"...equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

ASSEMBLY BILL (AB) 617

- Authored by Assemblymember Cristina Garcia (58th District)
- California law - signed July 26, 2017
- Addresses air pollution impacts in environmental justice communities
- Community driven process
- Community Steering Committees (CSCs)
 - Residents, community organizations, business, industry

AB 617 COMPONENTS



Community Air
Monitoring and
Emission Reduction
Plans



Clean
Technology
Investments



Best Available
Retrofit Control
Technology
(BARCT) Rules



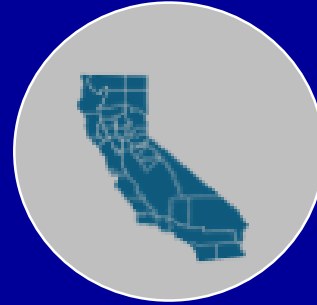
Easier Access to
Emissions Data

AB 617 COORDINATION



CARB

- Develop strategies to benefit communities statewide
- Establish Program requirements
- Provide program oversight
- Community Air Grants



LOCAL AIR DISTRICT

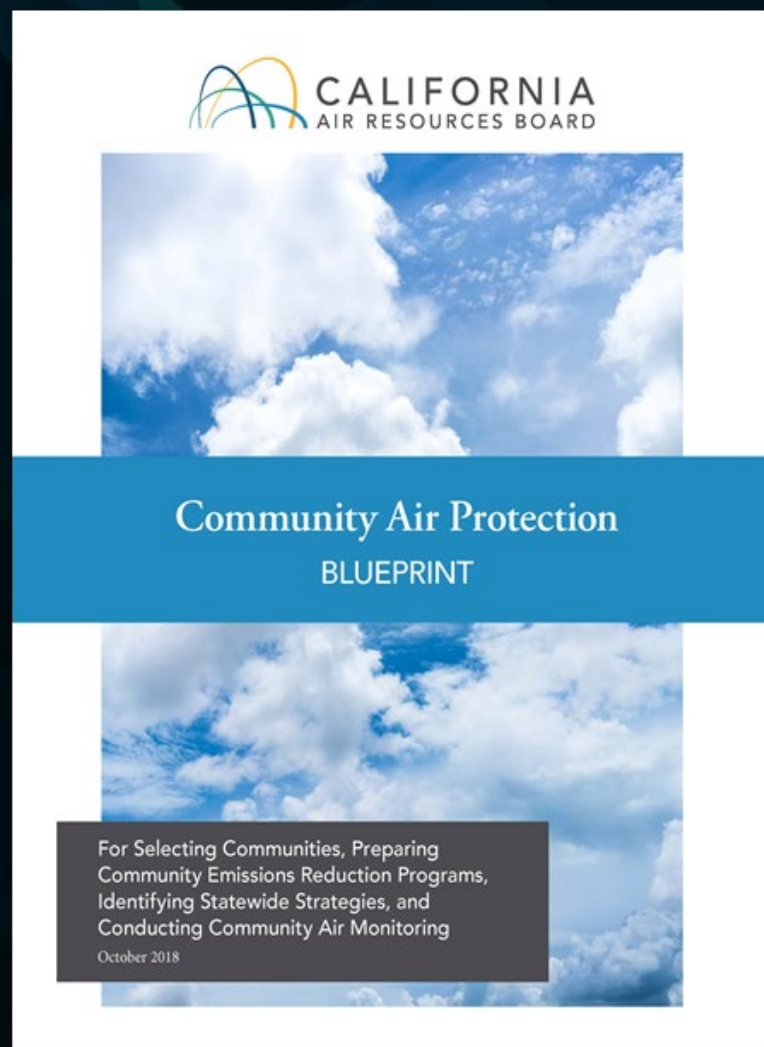
- Partner with communities on community air monitoring and community emissions reduction programs
- Administer incentive funding
- Rules requiring stronger pollution controls on industrial sources



COMMUNITIES

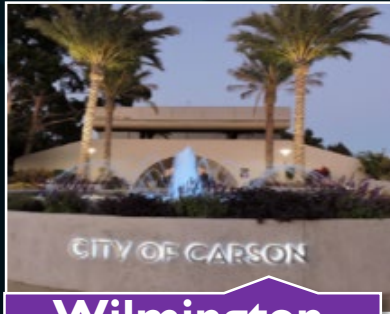
- Provide direction on community concerns and local and statewide programs
- Partner with air districts on community air monitoring and emissions reduction programs

COMMUNITY AIR PROTECTION BLUEPRINT



- Community selection
- Statewide strategies to reduce emissions
- Criteria for:
 - Community air monitoring
 - Community emissions reduction programs
- <https://ww2.arb.ca.gov/capp>

CURRENT AB 617 COMMUNITIES



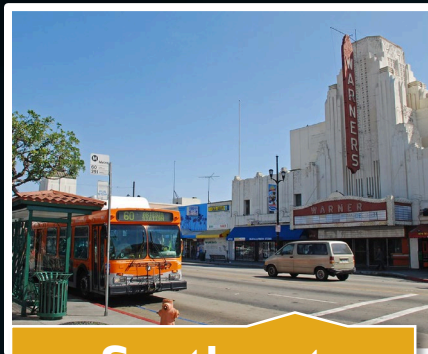
**Wilmington,
Carson, West
Long Beach**



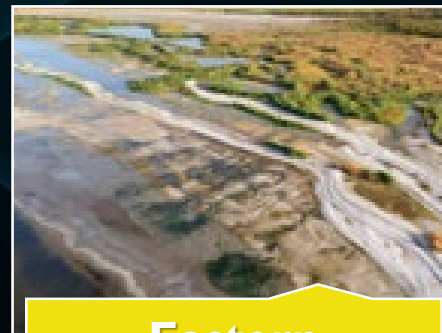
**East Los Angeles,
Boyle Heights, West
Commerce**



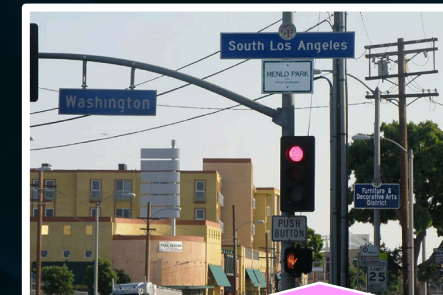
**San Bernardino,
Muscoy**



**Southeast
Los Angeles**



**Eastern
Coachella Valley**



**South
Los Angeles**

HOW IS THE COMMUNITY INVOLVED?

Community Steering Committee (CSC)



**Residents &
Community
Leaders**

**Community
Organizations**

Business

Industry

**Government
Agencies**

Others

COMMUNITY EMISSIONS REDUCTION PLAN (CERP)

- **What is a CERP?**
 - A **local plan** to reduce air pollution emissions by addressing community **air quality priorities**
 - Includes **actions** to reduce emissions in **partnership** with community stakeholders
- **How does the community provide direct input to the CERP?**
 - Community Steering Committee
 - Series of meetings
 - Committee presentations and testimonials
 - Additional Public Meetings
 - Community Workshops
 - Technical Advisory Group Meetings
 - One-on-one meetings
 - In-person meetings
 - Phone calls
 - Emails



OVERVIEW OF CERP PROCESS

Launch

- Establish community steering committee (CSC)
- CSC identifies **air quality priorities**

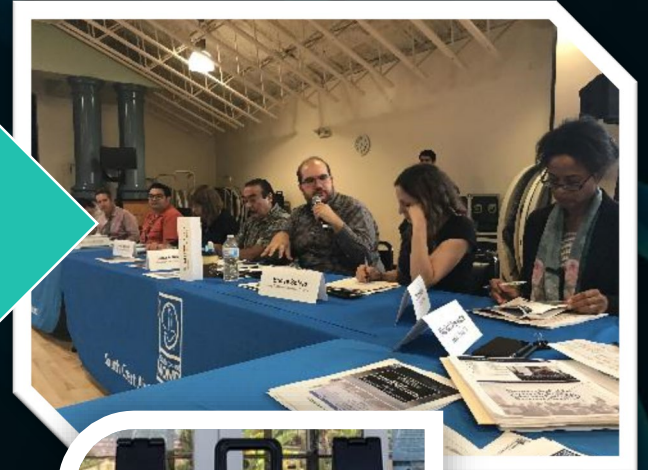


Development

- Conduct regular CSC meetings and workshops to develop:
 - Emission reduction **goals and targets**
 - Identify **actions** and **strategies** to achieve goals and targets

Implementation

- CERP is **adopted** by South Coast AQMD Governing Board and **approved** by CARB Board
- Begin implementing CERP actions to reduce emissions



AIR QUALITY PRIORITY EXAMPLES

Reduce emissions and address concerns about:



Mobile Sources



Oil and Gas



**General
Industrial
Facilities**



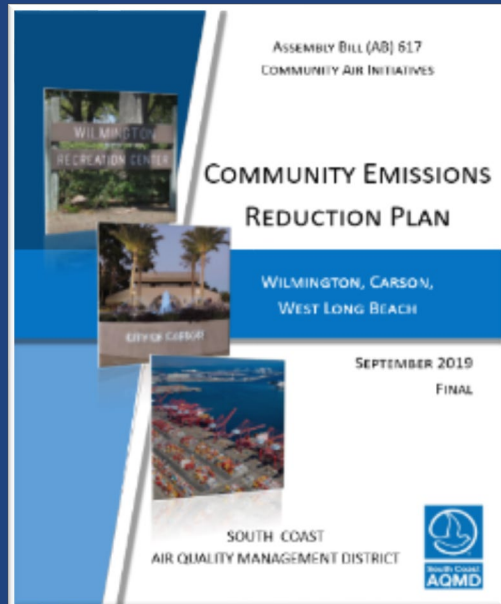
**Auto Body
Shops**



Toxic Metals

HOW DOES AB 617 ADDRESS AIR POLLUTION?

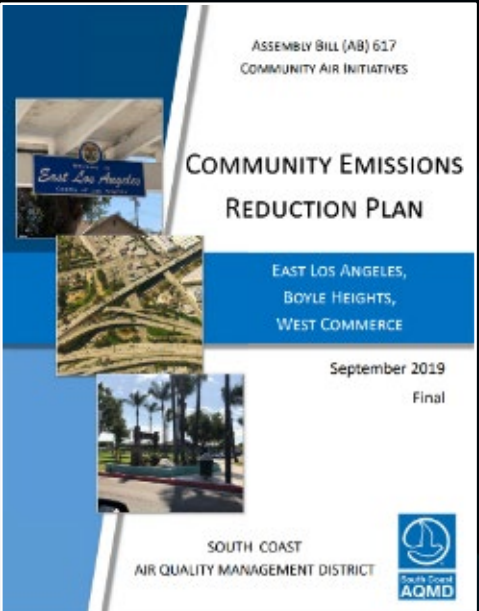
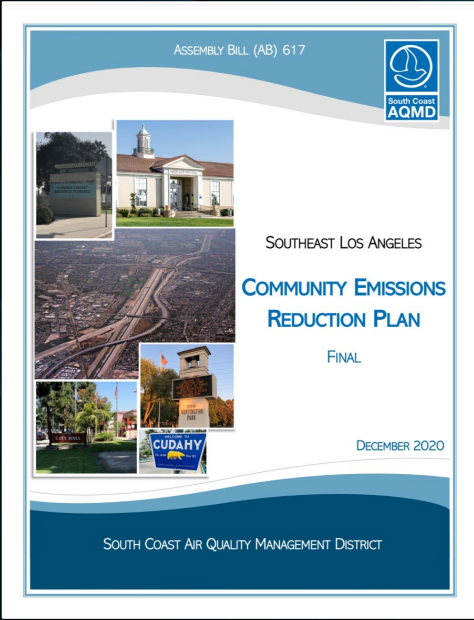
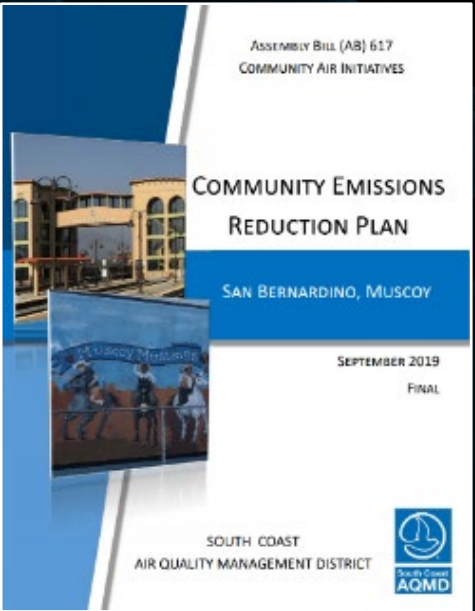
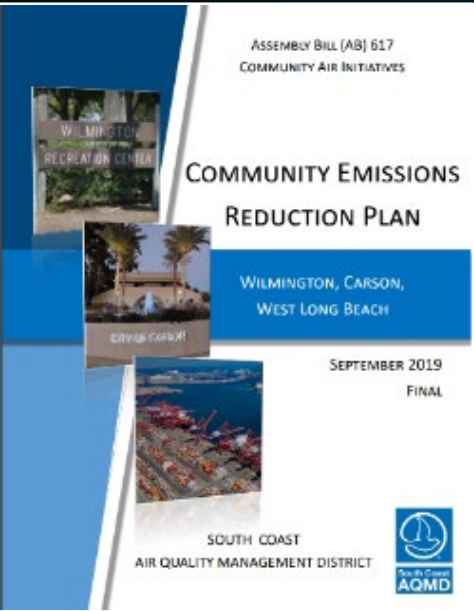
Community Emissions Reduction Plan (CERP)



Reduce Exposure

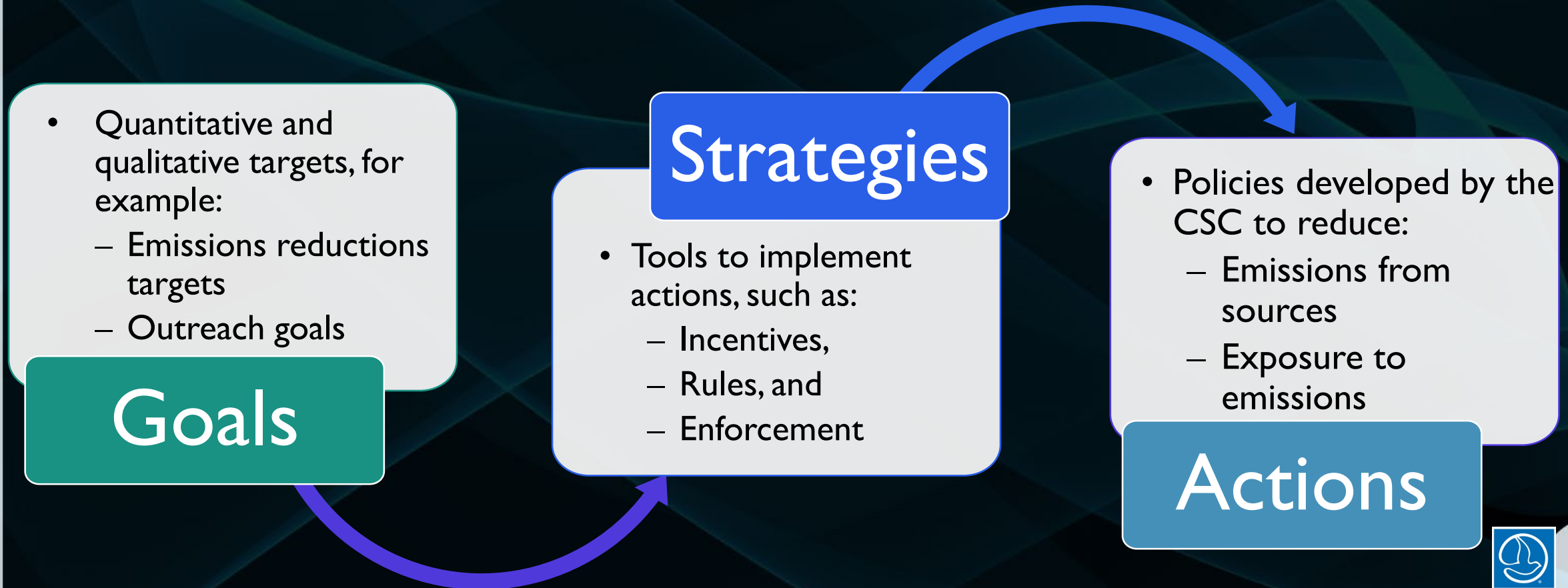
+

Reduce Emissions



COMMUNITY EMISSIONS REDUCTION PLANS

CERP DEVELOPMENT: GOALS, STRATEGIES, AND ACTIONS



CERP DEVELOPMENT: GOALS, STRATEGIES, AND ACTIONS

Goals

Strategies

Actions

<ul style="list-style-type: none"> • Reduce emissions and/or exposure 	Rules and Regulations	<ul style="list-style-type: none"> • Commit to amend or develop rules/regulations to address Air Quality (AQ) priority
<ul style="list-style-type: none"> • Increase compliance and enforcement activities in the community 	Enforcement	<ul style="list-style-type: none"> • Focus enforcement in CSC identified areas or as a follow-up to monitoring, if appropriate
<ul style="list-style-type: none"> • Increase incentive funding in the community 	Incentives	<ul style="list-style-type: none"> • Provide incentive funding for cleaner technology or air pollution controls
<ul style="list-style-type: none"> • Increase outreach to residents, small businesses, and owners/operators 	Public Information and Outreach	<ul style="list-style-type: none"> • Public outreach to community or training to facilities/operators
<ul style="list-style-type: none"> • Form partnerships with local health departments, land use agencies, community-based organizations, etc. 	Collaboration	<ul style="list-style-type: none"> • Collaborate with local agencies to identify funds, provide outreach, or develop policies that help address AQ priority
<ul style="list-style-type: none"> • Collect data from advanced monitoring technologies to provide new, purposeful data 	Air Monitoring	<ul style="list-style-type: none"> • Conduct air monitoring to identify potential sources of air pollution

EXAMPLES OF ACTIONS AND STRATEGIES: MOBILE SOURCES

Rules and Regulations



- CARB and South Coast AQMD rule development

Enforcement



- Focused enforcement for existing CARB truck regulations

Incentives



- Incentive funding for cleaner trucks (e.g., all CERP's)



Voucher Incentive Program



EXAMPLES OF ACTIONS AND STRATEGIES: OIL AND GAS

Air Monitoring



- Work with CSC to identify potential fugitive emissions from facilities
- Work with Enforcement to support investigation activities

Enforcement



- Based on monitoring results, conduct follow-up inspections to identify potential violations and take enforcement action, if appropriate

Outreach



- Outreach and training on filing air quality complaints by phone, web, or mobile app



Community Air Monitoring Plan (CAMP)

CAMP will be developed based on air monitoring actions identified in the CERP

Main Sections

- **CAMP and Monitoring Objectives**
- **Existing and Ongoing Monitoring Programs in South Los Angeles**
- **Air Monitoring Equipment and Methods**
- **General Community Air Monitoring Approach**
- **Specific Air Monitoring Approach for Each Air Quality Priority**
- **Data Reporting**

COMMUNITY STEERING COMMITTEE COORDINATION TO DEVELOP THE MONITORING PLAN



Gather
Community
Input & Identify
Air Quality
Concerns and
Priorities



Define
Objectives of Air
Monitoring
& Recommend
Appropriate
Monitoring
Methods



Develop
Community Air
Monitoring
Plan



Begin Air
Monitoring in
Priority Areas

GENERAL AIR MONITORING APPROACH

Mobile Monitoring

- Survey large areas
- Identify hotspots and unknown sources
- Support inspections and enforcement actions
- Inform emission reduction efforts



Fixed Monitoring

- Provide more information about possible sources
- Assess levels in community
- Support CERPs
- Track progress



Sensors

- Provide more information about how levels vary within the community
- Complement other monitoring strategies
- Engage community in air pollution measurement



Assess
Review
Recommend

AB 617 BUDGET OVERVIEW

Incentives



~\$260 Million

- Total amount awarded since 2017
- Community Air Protection Program
 - Mobile Source Projects
 - Community Identified Projects
- Carl Moyer Program
- Prop 1B

Implementation



~\$50 Million

- Total amount awarded since 2017
- CSC Stipends
- Air monitoring equipment, contractors (e.g., *ACLIMA*), and data visualization
- Interpretation and facilitation services
- Staff salaries

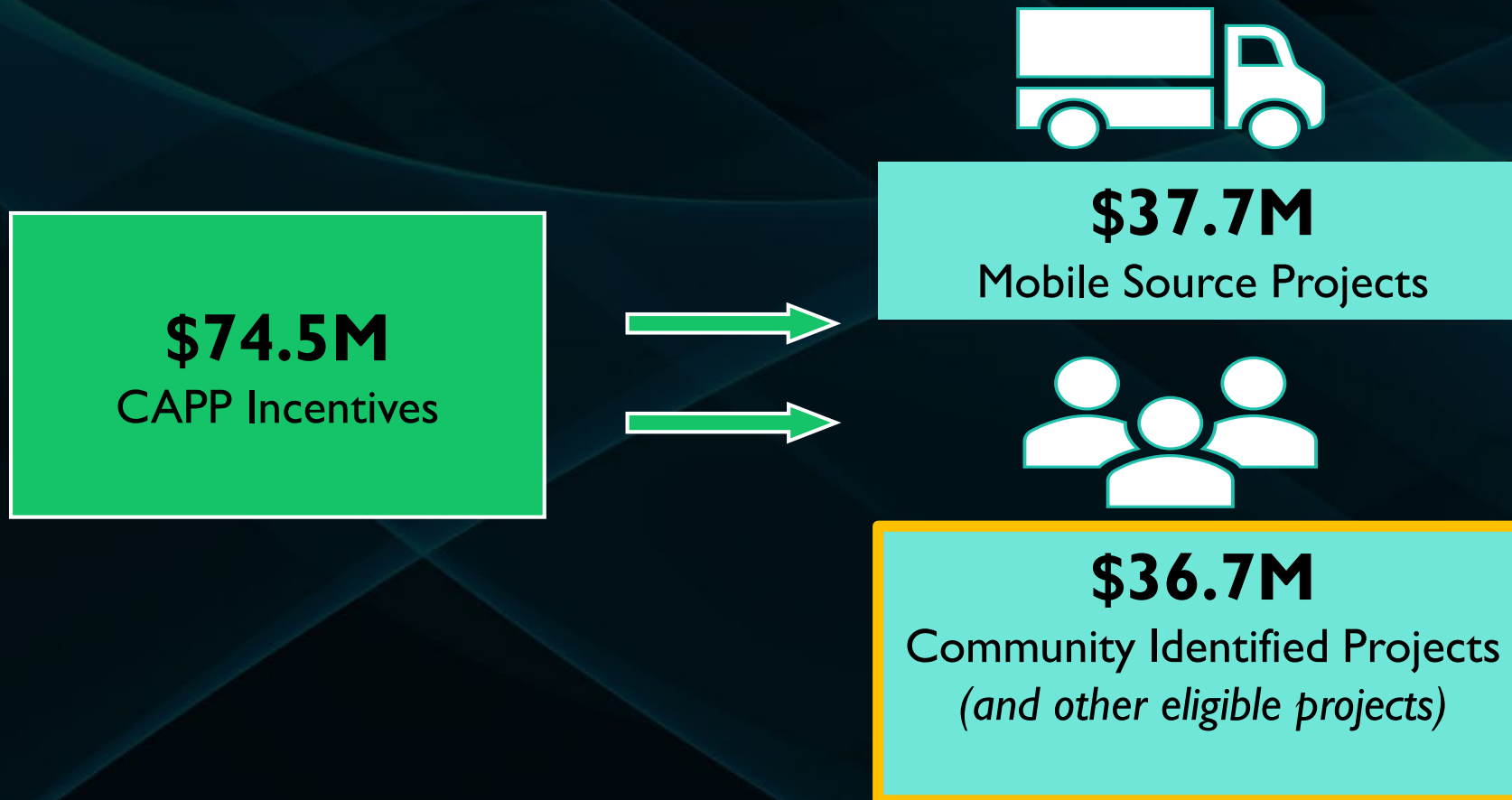
AB 617 IMPLEMENTATION: EXPENDITURES BY COMMUNITY



- Total AB 617 expenditures through June 2021: \$51,648,938*
- Cross community expenditures totaled \$16,880,200
- Remaining balance: \$1,031,062†

**Expenditures are currently unaudited*
†Remaining balance as of 6/30/21 equal to: \$52,680,000 - \$51,648,938

YEAR 3 - COMMUNITY AIR PROTECTION PROGRAM (CAPP) INCENTIVE FUNDS (EXAMPLE)

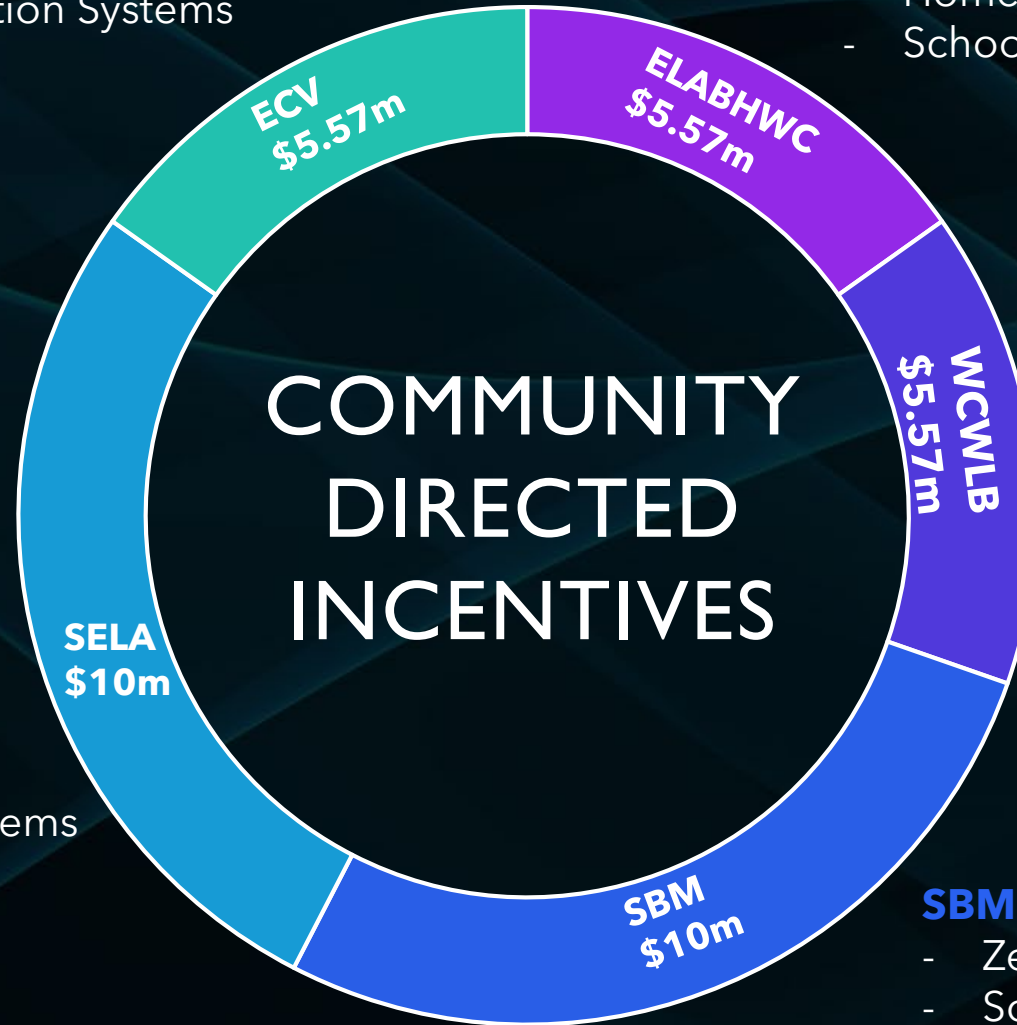


ECV: Types of Projects:

- Road Paving
- Home Air Filtration Systems

ELABHWC: Types of Projects:

- Zero-Emission Trucks
- Home Air Filtration Systems
- School Air Filtration Systems



SELA: Types of Projects:

- Zero-Emission Trucks
- Green Space
- School Air Filtration Systems

WCWLB: Types of Projects:

- Trucks
- Ships or Harbor Crafts

SBM: Types of Projects:

- Zero-Emission Trucks
- School Air Filtration Systems
- Zero-Emission Equipment and Infrastructure at Warehouses

WHERE ARE WE NOW?

Years 1 & 2 Communities

- CERP Implementation phase
- Quarterly CSC meetings

Year 3 Community

- Monthly CSC meetings
- Developing CERP & CAMP
- Draft CERP released (March 2022)

South Coast Air Quality Management District

AB 617 Community Steering Committee Meeting

Southeast Los Angeles (SELA)

South Coast AQMD will host a **virtual** workshop and meeting of the Community Steering Committee for the Southeast Los Angeles community.

Thursday, September 17, 2020
4:00 p.m. – 6:00 p.m.

Zoom Link:
<https://scaqmd.zoom.us/j/99752275229>
 Zoom Webinar ID: 997 5227 5229

Teleconference Dial In: +1 669 900 6833
Spanish Meeting ID: 937 9466 3910
English Meeting ID: 997 5227 5229

This is part of a series of meetings for the committee and the public to provide input on the development of Community Air Monitoring Plans and Community Emissions Reduction Plans implemented through Assembly Bill (AB) 617 Community Air Initiatives.

The virtual meeting will be open to the public and there will be an opportunity for public comment. Questions and public comments should be sent to AB617comments@aqmd.gov

Spanish interpretation will be available. (Additional language accommodations can be made upon request.)

e-flyers

<https://www.aqmd.gov/AB617> or contact (909) 396-2432 or at publicadviser@aqmd.gov

South Coast Air Quality Management District
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aqmd.gov • 1-800-CUT-SMOG

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Instagram

Take part in our #AB617 #Wilmington / #Carson / West #LongBeach Community Steering Committee Virtual... more

August 12

Newsletters

As an essential government agency, we are committed to doing everything we can to ensure our core operations continue in order to protect air quality.

Following advice from public health agencies, the South Coast AQMD Headquarters building is closed to the public until further notice. However, critical functions continue including, compliance and enforcement, emergency response, air monitoring, permitting, rule development, and response to public complaints.

The AB 617 program is an important program for our agency and our communities, and we are committed to continuing to implement this program while respecting the social distancing orders. As part of our efforts to minimize potential risk and exposure, the AB 617 meetings, as well as other South Coast AQMD meetings, workshops and trainings will be conducted online via phone and videoconferencing. Meeting updates can be found on our calendar page or by downloading the South Coast AQMD smartphone app at <http://www.aqmd.gov/mobileapp>.

AB 617 Web page

San Bernardino & Muscovy (SBM)

Interactive Maps

- Community Boundary Map
- Story Map - SBM Land Use Air Pollution Sources and Places Where Sensitive Individuals Spend Time - Updated: Feb. 19, 2019

Community Emissions Reduction Plan

- Final CERP (PDF) - Adopted September 6, 2019
- 2021 CERP Annual Progress Report:
 - October 1, 2021 Governing Board Package
 - CARB AB 617 Annual Progress Reporting Template

2021 Draft CERP Annual Progress Report (PDF) - Released August 2021

Virtual CSC Meetings

Zoom platform

South Coast Air Quality Management District

AB 617 South Los Angeles (SLA) CSC Meeting

March 3, 2022

Anthony Tang

Angela Haar

Ricardo Rivera

Paul Rodriguez

Nicole Silva

La Mikia Castillo (sh...)

CSC - Paula Torrad...

Andrea Polidori

Michael Morris

For All ZOOM Participants

1. Click on the interpretation button at the bottom of your screen that looks like a globe.

2. Select the language of your choice - either English or Spanish.

3. It is important for everyone to choose their designated language even if it is English.

benzene because there is a leak from a tank. But in order to

Facebook live streaming

ECV - 2021 CERP Highlights

South Coast Air Quality Management District - South Coast AQMD was live.

AB 617 CSC Meeting: Eastern Coachella Valley (1/27/21)

UPDATE: Our ECV #AB617 Community Steering Committee Meeting has concluded. For more information, please see more.

1 Comment 60 Views

Like Comment Share

Comments

Most relevant

South Coast Air Quality Management District - South Coast AQMD

2:53

Welcome to our ECV AB 617 Community Steering Committee meeting! While our comment section remains open, please direct any questions or comments to AB617comments@aqmd.gov. For agenda, presentation slides, and more info, please visit aqmd.gov/ab617.

Like Reply

Write a comment...

AB 617

IMPLEMENTATION HIGHLIGHTS

Truck Targeted Sweeps (All Communities)

- 25 sweeps, **817 trucks inspected** across first 5 communities

Oil Well Monitoring & Enforcement (WCWLB)

- **194 inspections with FLIR surveillance**, 8 facilities identified by monitoring for elevated emissions, and **responded to 377 oil well related complaints**

Monitoring (ELABHWC)

- Ongoing **mobile air monitoring measurements** conducted since June 2019; additional mobile air monitoring is being conducted by Aclima Inc.

Incentive Outreach (SELA)

- Worked with the CSC to identify approximately 10 local fleets and small businesses to provide **information on incentive funding for zero-emission technology**

Warehouse ISR (ELABHWC, SBM, SELA, WCWLB)

- **Adopted Warehouse Indirect Source Rule (ISR)** – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program

Collaboration (ECV)

- Initiated **partnerships** with **CARB, DPR, OEHHA**, and the **Riverside County Agricultural Commissioner** to address CSC concerns related to pesticides

AB 617 PROGRAM HIGHLIGHTS



Public Engagement

250+ Public Meetings

- CSC Meetings, Working Team Meetings, Public Workshops, Community Tours
- Established community-led Working Teams



CERP Implementation

5 CSC Communities

- Actions being implemented
- Regulations enforced
 - ✓ Rule 2305 – Warehouse ISR
 - ✓ Rule 1109.1 – Emissions of Oxides of Nitrogen from Petroleum Refineries and Related Operations



Active Monitoring

- Conducted over **80 mobile monitoring surveys** to identify air pollution hotspots
- Surveyed over **350 active and inactive oil wells**.
- Deployed air quality sensors in multiple communities
- Conducting baseline air quality measurements at 5 air monitoring stations



Integrated solutions

Collaborations with community residents, CARB, other regulatory agencies, businesses and the public to create solutions for air quality concerns

Thank you!

More information on AB 617:
www.aqmd.gov/AB617

E-mail: **AB617@aqmd.gov**

Follow us: **@SouthCoastAQMD**

