
DRAFT ANNUAL PROGRESS REPORT FOR AB 617 COMMUNITY EMISSIONS REDUCTION PLANS

August 2021



South Coast Air Quality Management District

[THIS PAGE IS INTENTIONALLY LEFT BLANK]

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
GOVERNING BOARD**

Chair: BEN J. BENOIT
Mayor Pro Tem, Wildomar
Cities of Riverside County

Vice Chair: VANESSA DELGADO
Senate Rules Committee Appointee

MEMBERS:

LISA BARTLETT
Supervisor, Fifth District
County of Orange

JOE BUSCAINO
Council Member, 15th District
City of Los Angeles Representative

MICHAEL A. CACCIOTTI
Mayor Pro Tem, South Pasadena
Cities of Los Angeles County/Eastern Region

GIDEON KRACOV
Governor's Appointee

SHEILA KUEHL
Supervisor, Third District
County of Los Angeles

LARRY MCCALLON
Mayor Pro Tem, Highland
Cities of San Bernardino County

VERONICA PADILLA-CAMPOS
Speaker of the Assembly Appointee

V. MANUEL PEREZ
Supervisor, Fourth District
County of Riverside

REX RICHARDSON
Vice Mayor, City of Long Beach
Cities of Los Angeles County/Western Region

CARLOS RODRIGUEZ
Mayor Pro Tem, Yorba Linda
Cities of Orange County

JANICE RUTHERFORD
Supervisor, Second District
County of San Bernardino

EXECUTIVE OFFICER:

WAYNE NASTRI

[THIS PAGE IS INTENTIONALLY LEFT BLANK]

INTRODUCTION

Assembly Bill (AB) 617 was signed into law in July 2017, requiring new community-focused and community-driven action to reduce air pollution and improve public health in communities experiencing disproportionate burdens from exposure to air pollutants. The South Coast AQMD Governing Board recommends communities for the AB 617 program to the California Air Resources Board (CARB). The CARB Board is responsible for selecting communities across the state for the AB 617 program. The CARB Board selected three communities in the first year (commonly referred to as 2018-designated communities) of the AB 617 program and two additional communities in the program's second year (commonly referred to as 2019-designated communities). These communities include:

2018-designated AB 617 Communities

- East Los Angeles, Boyle Heights, West Commerce (ELABHWC)
- San Bernardino, Muscoy (SBM)
- Wilmington, Carson, West Long Beach (WCWLB)

2019-designated AB 617 Communities

- Eastern Coachella Valley (ECV)
- Southeast Los Angeles (SELA)

Each AB 617 community established a Community Steering Committee (CSC) to develop a Community Emission Reduction Plan (CERP) that addresses the community's top air quality priorities. Each CERP includes actions and goals to achieve emissions and exposure reductions. The South Coast AQMD Governing Board adopted a CERP for each 2018-designated community on September 6, 2019, and for each 2019-designated community on December 4, 2020. However, the South Coast AQMD Governing Board adopted a resolution for the ECV CERP that committed staff to continue working with the ECV CSC based on the community's request to amend the CERP with additional details for the CERP. The South Coast AQMD Governing Board adopted these details into the CERP on June 4, 2021.

The CARB Board approved the CERPs for the 2018-designated communities on September 10, 2020, and 2019-designated SELA community on May 20, 2021. The CARB Board is scheduled to consider approval of the ECV CERP in September 2021.

BACKGROUND AND PURPOSE

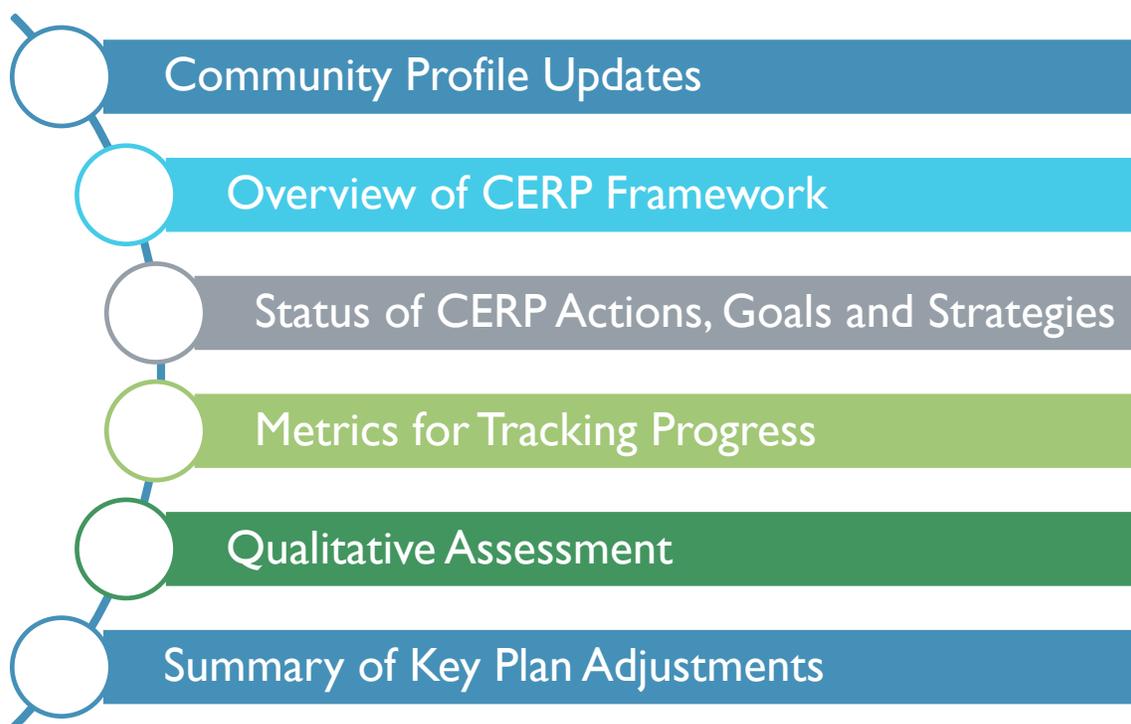
AB 617 and the CARB Community Air Protection Blueprint¹ require air districts to prepare annual progress reports summarizing the results of CERP implementation.² This report summarizes the progress of CERP implementation for AB 617 communities in the South Coast AQMD from September 6, 2019, to June 30, 2021. Additionally, the report covers information on incentive

¹ California Air Resources Board "Community Air Protection Blueprint", 2018, <https://ww2.arb.ca.gov/capp-blueprint>. Accessed August 3, 2021.

² Health and Safety Code Section 44391.2 (C)(7)

funds distributed in the communities from January 1, 2019, to June 30, 2021, and air monitoring activities initiated since June 2019. The CARB Community Air Protection Blueprint guidelines are the basis for this report. Figure 1 below summarizes the main components of these guidelines.

Figure 1: Overview of CERP Annual Progress Report Requirements



COMMUNITY PROFILE UPDATES

Pollution sources and other factors, including public health data and socioeconomic factors, make up each AB 617 community profile. Specifically, data from CalEnviroScreen 3.0³, the Multiple Air Toxics Exposure Study (MATES) IV⁴, and the Southern California Association of Governments (SCAG) inform the community profiles. Draft CalEnviroScreen 4.0⁵ was released in February 2021, and MATES V⁶ Final Report was released early August 2021. After the final CalEnviroScreen4.0 tool is released, South Coast AQMD staff will update the AB 617 community profiles to reflect the most up to date information from these sources.

³ Office of Environmental Health Hazard Assessment (OEHHA) CalEnviroScreen 3.0, 2018, <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>, Accessed August 20, 2021.

⁴ South Coast AQMD, Multiple Air Toxics Exposure Study (MATES) IV, <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-iv>, Accessed August 20, 2021.

⁵ Office of Environmental Health Hazard Assessment (OEHHA) Draft CalEnviroScreen 4.0, 2018, <https://oehha.ca.gov/calenviroscreen/report/draft-calenviroscreen-40>, Accessed August 20, 2021.

⁶ South Coast AQMD, Draft Multiple Air Toxics Exposure Study (MATES) V, <http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v>, Accessed August 20, 2021.

OVERVIEW OF CERP FRAMEWORK

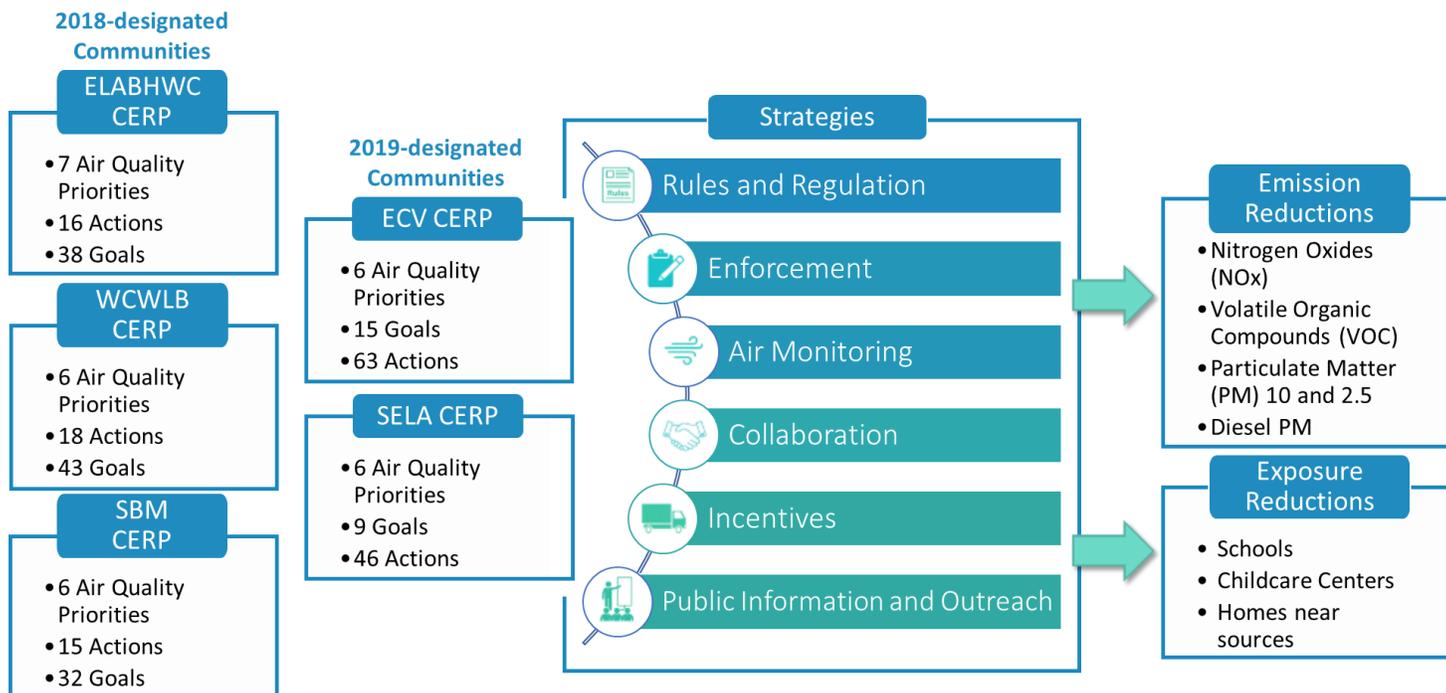
The air quality priorities for each AB 617 community were determined by the CSCs and identified in the CERPs. The air quality priorities for each community are in Figure 1 below.

Figure 2: AB 617 Community Air Quality Priorities

| <i>2018-designated Communities</i> | | | <i>2019-designated Communities</i> | |
|---|--|--|---|--|
| ELABHWC | WCWLB | SBM | ECV | SELA |
| <ul style="list-style-type: none"> • Neighborhood and Freeway Traffic • Railyards (On-site Emissions) • Metal Processing Facilities • Rendering Facilities • Auto Body Shops • Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects • General Concerns about Industrial Facilities, including Waste Transfer Stations | <ul style="list-style-type: none"> • Refineries • Ports • Neighborhood Truck Traffic • Oil Drilling and Production • Railyards • Schools, Childcare Centers, and Homes | <ul style="list-style-type: none"> • Neighborhood Truck Traffic • Warehouses • Omnitrans • Railyards (On-site Emissions) • Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants • Exposure Reduction at Schools, Childcare Centers, Community Centers, and Homes | <ul style="list-style-type: none"> • Salton Sea • Pesticides • Fugitive Road Dust and Off-Road • Open Burning and Illegal Dumping • Diesel Mobile Sources • Greenleaf Desert View Power Plant | <ul style="list-style-type: none"> • Truck Traffic and Freeways • Rendering Facilities • Green Spaces • Metals • Railyards and Locomotives • General Industrial Facilities |

To address these air quality priorities, each CSC developed a set of actions and goals to achieve emissions and exposure reductions. The actions and goals are implemented through six strategies, including rules and regulations, enforcement, air monitoring, collaboration, incentives, and public information and outreach. Figure 3 demonstrates the relationship between actions, goals, strategies, and emission and exposure reductions for each community.

Figure 3: Overview of 2018-designated and 2019-designated Community Emissions Reduction Plans



STATUS OF CERP ACTIONS, GOALS AND STRATEGIES

As described in the background and purpose section above, this report summarizes the progress of CERP implementation in 2018-designated and 2019-designated AB 617 communities in the South Coast AQMD from September 6, 2019, to June 30, 2021. Additionally, the report covers information on incentive funds distributed in the communities from January to June 30, 2021 and air monitoring activities initiated by staff from June 2019 to June 30, 2021, and air monitoring activities initiated by staff since June 2019. The Community Air Monitoring Plans (CAMPs) support the actions and goals in each respective CERP and are available at <http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/ab-617-community-air-monitoring#>. As part of the CARB Community Air Protection Blueprint, South Coast AQMD is required to provide to CARB a status update (e.g., implementation milestones and completed elements) of each community's CERP actions, goals, and strategies requiring implementation during the reporting periods identified above. The following sections provide a summary of these status updates. Since CERP implementation is an ongoing process, many actions are in the early steps of implementation. Therefore, the key highlights of CERP implementation in each community are presented in Figures 4 through 8 by CERP strategy: incentives, rules and regulations, outreach, air monitoring, enforcement, and collaboration.

Figure 4– Key CERP Implementation Highlights for the ELABHWC Community**Incentives:**

- Approximately \$28.8 million was allocated for incentive projects (e.g., mobile source, air filtration and community-identified projects) through CARB's Community Air Protection Program (CAPP) Incentive Funds
- An estimated 48.8 tons per year (tpy) NOx, 0.6 tpy of PM, and more than 2 tpy of VOCs in emissions reductions
- CSC developed a school prioritization list based on CSC identified criteria for future air filtration system installations

Rules and Regulations:

- CARB Board adopted the Advanced Clean Truck Rule in June 2020
- South Coast AQMD Board adopted Rule 2305 – Warehouse Indirect Source Rule (ISR) in May 2021

Outreach:

- South Coast AQMD key recommendations incorporated into LA County's Draft Green Zones Ordinance
- Staff completed 26 Why Healthy Air Matters (WHAM) class presentations
- Staff initiated collaboration with AltaMed to conduct outreach to the community on reducing exposure to air pollution

Monitoring:

- Developed a map of metal processing facilities and provided it to the CSC in an Air Monitoring Status Update
- Ongoing mobile air monitoring measurements have been conducted since June 2019. Additional mobile air monitoring is being conducted by Aclima Inc.
- Development of a Community Air Monitoring Display tool that is available at <http://xappprod.aqmd.gov/AB617CommunityAirMonitoring/Home/Index/ELABHWC>

Enforcement

- Continued quarterly idling sweeps, totaling over 200 truck inspections
- Continued inspections were conducted at industrial/autobody, rendering, and metals facilities; some were informed by monitoring activities
- Conducted multiple inspections at rendering facilities, resulting in 10 Notices of Violation (NOV) that have since been resolved

Collaboration

- South Coast AQMD met with Los Angeles Department of Transportation (LADOT) and Los Angeles County Public Works to discuss truck routes and provide information that could help identify corridors to limit truck traffic

Figure 5 – Key CERP Implementation Highlights for the WCWLB Community**Incentives:**

- Approximately \$80 million was allocated for incentive projects (e.g., mobile source projects, on-road infrastructure, and school air filtration systems) through CARB's Community Air Protection Program (CAPP) Incentive Funds
- An estimated 245.6 tpy NO_x, 5.7 tpy of PM, and 9.3 tpy of VOCs in emissions reductions
- CSC developed a school prioritization list based on CSC identified criteria for future air filtration system installations

Rules and Regulations:

- CARB Board approved the Advanced Clean Truck Rule in June 2020
- CARB Board approved the Control Measure for Ocean-Going Vessels At-Berth (At-Berth Regulation) in August 2020
- South Coast AQMD Governing Board adopted Rule 2305 – Warehouse Indirect Source Rule (ISR) in May 2021

Outreach:

- Outreach to the Wilmington Neighborhood Council to provide an overview of truck idling enforcement and reporting air quality complaints
- Outreach to Carson High School as part of the Why Healthy Air Matters (WHAM) High School Education Program

Monitoring:

- Ongoing mobile air monitoring since June 2019 near refineries, railyard facilities, truck idling locations (identified by the community), oil wells, and at the ports to detect vessels and oil tanker leaks
- Development of a Community Air Monitoring Display tool that is available at <http://xapprod.aqmd.gov/AB617CommunityAirMonitoring/Home/Index/WCWLB>

Enforcement

- Investigations of oil wells, refineries, and petroleum tankers in the ports; some were informed by the monitoring activities above

Collaboration

- Collaboration with Long Beach Alliance for Children with Asthma (LBACA) to present asthma information and benefits of school air filtration systems to Long Beach Unified School District (LBUSD) Head Start staff and healthcare professionals, and Young Horizon's Child Development Center staff

Figure 6 – Key CERP Implementation Highlights for the SBM Community**Incentives:**

- Approximately \$22 million was allocated for incentive projects (e.g., mobile source projects, school air filtration systems and community-identified projects) through CARB's Community Air Protection Program (CAPP) Incentive Funds
- An estimated 80 tons per year (tpy) NO_x, 1.3 tpy of PM, and 3.5 tpy of VOCs in emissions reductions
- CSC developed a school prioritization list based on CSC identified criteria for future air filtration system installations

Rules and Regulations:

- CARB Board adopted the Advanced Clean Truck Rule in June 2020
- South Coast AQMD Board adopted Rule 2305 – Warehouse Indirect Source Rule (ISR) in May 2021

Outreach:

- 6 Why Healthy Air Matters (WHAM) class presentations, with 3 at San Bernardino High School and 3 at Arroyo Valley High School

Monitoring:

- Development of a Community Air Monitoring Display Tool that is available at <http://xappprod.aqmd.gov/AB617CommunityAirMonitoring/Home/Index/SBM>
- Mobile measurements conducted since June 2019, with additional mobile monitoring being conducted by Aclima Inc.
- 6 air quality sensors deployed at community-identified locations

Enforcement

- Continued quarterly idling sweeps, totaling over 140 inspections of idling trucks

Collaboration

- South Coast AQMD and CARB staff have been in collaboration to install "No Idling" signs in the community and conduct a Automated License Plate Recognition (ALPR) System pilot study

Figure 7 – Key CERP Implementation Highlights for the ECV Community

Incentives:

- Approximately \$30.2 million has been allocated for incentive projects (e.g., mobile source projects and community-identified projects) through CARB's Community Air Protection Program (CAPP) Incentive Funds
- An estimated 116.2 tons per year (tpy) NOX, 9.4 tpy of PM and 13.6 tpy of VOCs in emissions reductions

Rules and Regulations:

- CARB Board adopted the Advanced Clean Truck Rule in June 2020
- Continued enforcement of Rule 444 - Open Burning, including pre-burn inspections of all permitted fires

Outreach:

- The Department of Pesticides Regulation (DPR), in collaboration with U.S. EPA held a Pesticides Workshop on June 15-16, 2021, where South Coast AQMD staff presented
- Selected for the U.S. EPA State Environmental Justice Cooperative Agreement Program (SEJCA) grant to establish partnerships for air quality community training in ECV

Monitoring:

- 8 Monitoring Working Team (MWT) meetings have been held to discuss potential monitoring locations

Collaboration

- Initiated partnership with CARB, DPR, the Office of Environmental Health Hazard Assessment (OEHHA), and the Riverside County Agricultural Commissioner to address CSC concerns related to pesticides
- Pursued a collaborative partnership 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

Figure 8 – Key CERP Implementation Highlights for the SELA Community**Incentives:**

- Approximately \$15.1 million was allocated for incentive projects (e.g., mobile source projects and community-identified projects) through CARB's Community Air Protection Program (CAPP) Incentive Funds
- An estimated 2.7 tons per year (tpy) NO_x, 0.1 tpy of PM, and 0.01 tpy of VOCs in emissions reductions

Rules and Regulations:

- CARB Board adopted the Advanced Clean Truck Rule in June 2020
- South Coast AQMD Board adopted Rule 2305 – Warehouse Indirect Source Rule (ISR) in May 2021

Outreach:

- Worked with the CSC to identify approximately 10 local fleets and small businesses to provide information on incentive funding for zero-emission technology
- Provided information to the CSC and other interested parties on the Environmental Enhancement and Mitigation (EEM) Program Grant administered by the California Natural Resources Agency (CNRA)

Monitoring:

- Mobile measurements have been conducted near and around railyards and all identified rendering and metal processing facilities
- Mobile monitoring has been conducted on 10 different days throughout the community

Enforcement

- South Coast AQMD received 96 complaints for rendering facilities, resulting in facility inspections and 3 Notices of Violation (NOV)
- Continued inspections of metal processing facilities

Collaboration

- Initiated discussions to establish partnerships with land use, state and local agencies, and non-profit organizations (i.e., Altamed Consejo de Federaciones Mexicana (COFEM), Tree People, Gateway Cities Council of Governments (COG)) to develop a list of low-VOC, drought-tolerant trees)

Future CERP Implementation

The status updates within this report show the progress of each communities' actions required from CERP adoption to June 2021. The CERPs address the top air quality priorities in each of the designated communities over five years. In addition to the CERP actions expected to begin 3rd quarter 2021, many efforts in each of CERP are ongoing throughout CERP implementation (i.e., enforcement, incentives, outreach). Staff will provide an update on these actions in future Annual Progress Reports as CERP implementation continues.

Metrics for Tracking Progress

Baseline Emissions

Per CARB guidance, the 2018-designated communities' CERP emissions baselines are 2017 and include milestone years 2024 and 2029, and the 2019-designated communities' CERP emissions baselines are 2018 and include milestone years 2025 and 2030. South Coast AQMD staff worked with CARB staff, the AB 617 Technical Advisory Group (TAG)⁷, and the CSCs to develop the baseline and forecasted emissions inventories for each milestone year. Diesel particulate matter (DPM) is the largest contributor to toxic air contaminants in each community. Figures 9 and 10 show DPM emissions for the baseline and milestone years in each AB 617 community. These charts reflect emission reductions from rules already adopted prior to adoption of the CERPs and do not reflect any additional emission reductions that would result from the CERP actions. Additional baseline and milestone year emissions data for other pollutants are available in Chapter 5a of each CERP.

⁷ South Coast AQMD, Technical Advisory Group (TAG), <https://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/technical-advisory-group>, Accessed August 20, 2021.

Figure 9 – 2018-designated DPM Emissions by Community

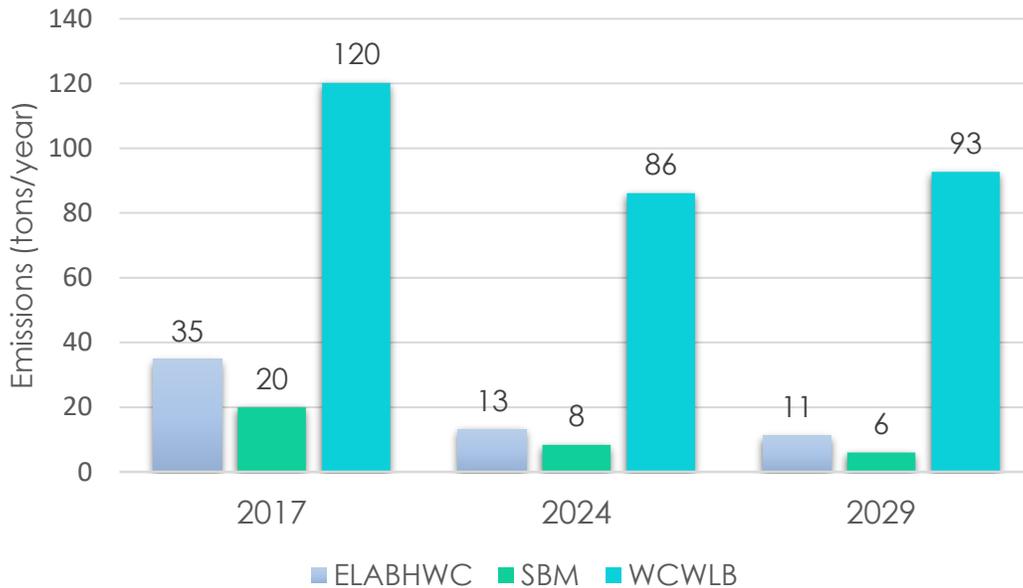


Figure 10 – 2019-designated DPM Emissions by Community



Emission Reduction Targets

The actions, goals, and strategies in the CERPs define a path to reduce air pollution from sources and provide additional protections at schools, childcare centers, and homes that reduce harmful air pollution exposure for the sensitive populations who spend time at these locations. In some instances, the actions, goals, and strategies reaffirm ongoing rule development efforts and provide new commitments for localized reductions, sharing emissions data, timelines, and other related information. Further, the actions, goals and strategies in the CERPs prioritize emission

reductions and set forth emission reduction targets for the milestone years in each community. These emission reduction targets are summarized for 2018-designated and 2019-designated communities in Tables 1 and 2 below.

Table 1 – Overview of 2018-designated Community Emissions Reduction Targets by 2024/2029* (tons/year)

| AB 617 Community | NO _x | SO _x | VOC | DPM |
|--------------------|------------------------|-----------------|-------|-----------|
| ELABHWC | 143/377 | -- | -- | 1.2/1.4 |
| SBM | 75.1/127.9 | -- | -- | 0.86/0.91 |
| WCWLB ⁸ | 606/3,207 ⁹ | --/11 | 21/64 | 9/20 |

*Estimated emission reductions from regulations are subject to future assessments and regulatory analyses.

Table 2 – Overview of 2019-designated Community Emissions Reduction Targets by 2025/2030* (tons/year)

| AB 617 Community | NO _x | DPM | PM10 |
|------------------|-----------------|-------|--------|
| ECV | 54/115 | 1/2 | 2.4/-- |
| SELA | 155/297 | 1/3.5 | -- |

*Estimated emission reductions from regulations are subject to future assessments and regulatory analyses.

Emission Reductions Achieved Through June 2021

The strategies (e.g., rules and regulations, enforcement, incentives, outreach) in the CERPs aim to achieve emission reductions. The total investments in mobile source incentives from January 2019 to June 30, 2021, and resulting emissions reductions in the 2018-designated and 2019-designated AB 617 communities are provided in Table 3 – Mobile Source Incentives in 2018-

⁸ Per CARB guidance, the emissions baseline was estimated for 2017, and milestone years 2024 and 2029. However, the emission reductions for WCWLB in this table target a 2030 completion date, due to the complexity of the efforts. While the baseline emissions were not calculated for 2030, staff expect the emissions to be similar to the 2029 estimates.

⁹ Based on maximum NO_x emission reductions that may be reduced from Action 5 of WCWLB CERP Chapter 5b that is designed to achieve further reductions from refinery equipment through adoption of Proposed Rule 1109.1 – Refinery Equipment.

designated and 2019-designated AB 617 Communities, below. South Coast AQMD staff adheres to the Carl Moyer Program¹⁰ and Prop 1B guidelines¹¹ for AB 617 project evaluations. As more information becomes available, South Coast AQMD staff will quantify emissions reductions from other strategies.

Table 3 – Mobile Source Incentive Emission Reductions* in 2018-designated and 2019-designated AB 617 Communities

| AB 617 Community | Total Incentives Distributed (millions of dollars) | NOX | PM | VOC |
|------------------|--|-------|-----|------|
| | | | | |
| ELABHWC | 21 | 48.8 | 0.6 | 2.0 |
| SBM | 10 | 80 | 1.3 | 2.3 |
| WCWLB | 72.1 | 245.6 | 5.7 | 9.3 |
| ECV | 24.6 | 116.2 | 9.4 | 13.6 |
| SELA | 5.1 | 2.7 | 0.1 | 0.01 |

*This table includes Year 1, Year 2, and Year 3 CAPP funds allocated to mobile source projects (including infrastructure projects). These reductions exclude community-identified projects.

Additional funding has been allocated to each community for community-identified projects (see Participatory Budgeting section below), which will result in additional emission or exposure reductions. Future progress reports will identify emission reductions achieved from community-identified projects. Some of the CERP emission reduction targets for the milestone year 2024 have been achieved (i.e., SBM, ECV) through the mobile source projects provided in Table 3. While this is a notable achievement of the CERP actions, the staff recognizes the need for additional emission reductions, given air pollution burdened on these communities. Therefore, staff will continue implementing the CERP actions to pursue additional emission reductions.

South Coast AQMD staff will continue to work with CARB staff, the AB 617 TAG, and CSCs to quantify future emission reductions achieved by the CERP. For example, CARB adopted the Advanced Clean Trucks Rule requiring truck manufacturers to transition from producing diesel trucks and vans to electric zero-emission trucks, including heavy-duty vehicles beginning in 2024. The Advanced Clean Trucks Rule is a strategy in the CERPs and accounted for in the emission reduction targets. Therefore, South Coast AQMD staff will work with CARB staff, the AB 617 TAG, and the CSC to quantify the emissions reductions from each CERP, based on the rule implementation schedule beginning in 2024. Similarly, some emission reductions have yet to be quantified at this time. For example, in May 2021, South Coast AQMD's Governing Board passed Rule 2305 – Warehouse ISR, which aims to reduce local and regional emissions of NOx and DPM associated with warehouses and mobile sources attracted to warehouses. Therefore, the

¹⁰ <http://www.aqmd.gov/home/programs/business/business-detail?title=heavy-duty-engines&parent=vehicle-engine-upgrades>. Accessed August 13, 2021.

¹¹ [http://www.aqmd.gov/home/programs/business/business-detail?title=goods-movement-emission-reduction-projects-\(prop-1b\)&parent=vehicle-engine-upgrades](http://www.aqmd.gov/home/programs/business/business-detail?title=goods-movement-emission-reduction-projects-(prop-1b)&parent=vehicle-engine-upgrades). Accessed August 13, 2021.

emission reduction targets in the CERPs do not include emission reductions resulting from the Warehouse ISR; however, as rule implementation continues, staff will quantify, monitor, and track actions and investments of warehouses to quantify emission reductions.

Staff will continue to work with the CSCs and the TAG to refine emission reduction targets and provide information about community-level exposures to ambient air toxics when new information becomes available from community air monitoring efforts. For example, continuous metals air monitoring at Resurrection Church in the ELABHWC community and pesticide sampling and screening in ECV will provide information about community levels of air toxics and help track ambient air toxics levels.

Qualitative Assessment

As described above, this report summarizes the progress of CERP implementation in 2018-designated and 2019-designated AB 617 communities in the South Coast AQMD from CERP adoption to June 30, 2021. In addition, this section provides a qualitative assessment of the CERP strategies (e.g., enforcement and air monitoring) implemented during the reporting period.

Incentives

As mentioned earlier in the report incentive funds are one strategy to achieve emission reductions for numerous actions in the CERPs. The Community Air Protection Program (CAPP) incentive funds are used for mobile source projects (see Table 3) and community-identified projects. Requests must be made to CARB to disburse the CAPP funds and follow CAPP Incentive Guidelines.¹² Community-identified projects are projects supported by an adopted CERP (e.g., air filtration systems in schools). Staff worked with the CSC to identify projects and additional details.

South Coast AQMD staff submitted a disbursement request for CAPP incentive funds to CARB to install air filtration systems for each of the 2018-designated communities. CARB approved this disbursement request. In October 2020, CARB staff revised the CAPP Incentive Guidelines to include community-identified projects as an option to distribute CAPP incentive funds. Prior to this revision, CAPP incentive funds were allocated through existing program guidelines, including the Carl Moyer Program and Proposition 1B Program. South Coast AQMD staff held a CAPP Incentives Strategy Meeting on October 15, 2020, in which all AB 617 designated communities attended. Staff presented an overview of CAPP incentive funds, existing guidelines used to allocate those funds, and solicited input from the CSCs on allocating future CAPP incentive funding. As a result, the remaining available Year 3 CAPP funds were distributed among the communities based on CSC input and past investments.

Further, staff conducted community-specific participatory budgeting workshops to allow more CSC-led fund distribution of the remaining available Year 3 CAPP incentive funds (~\$37 million).

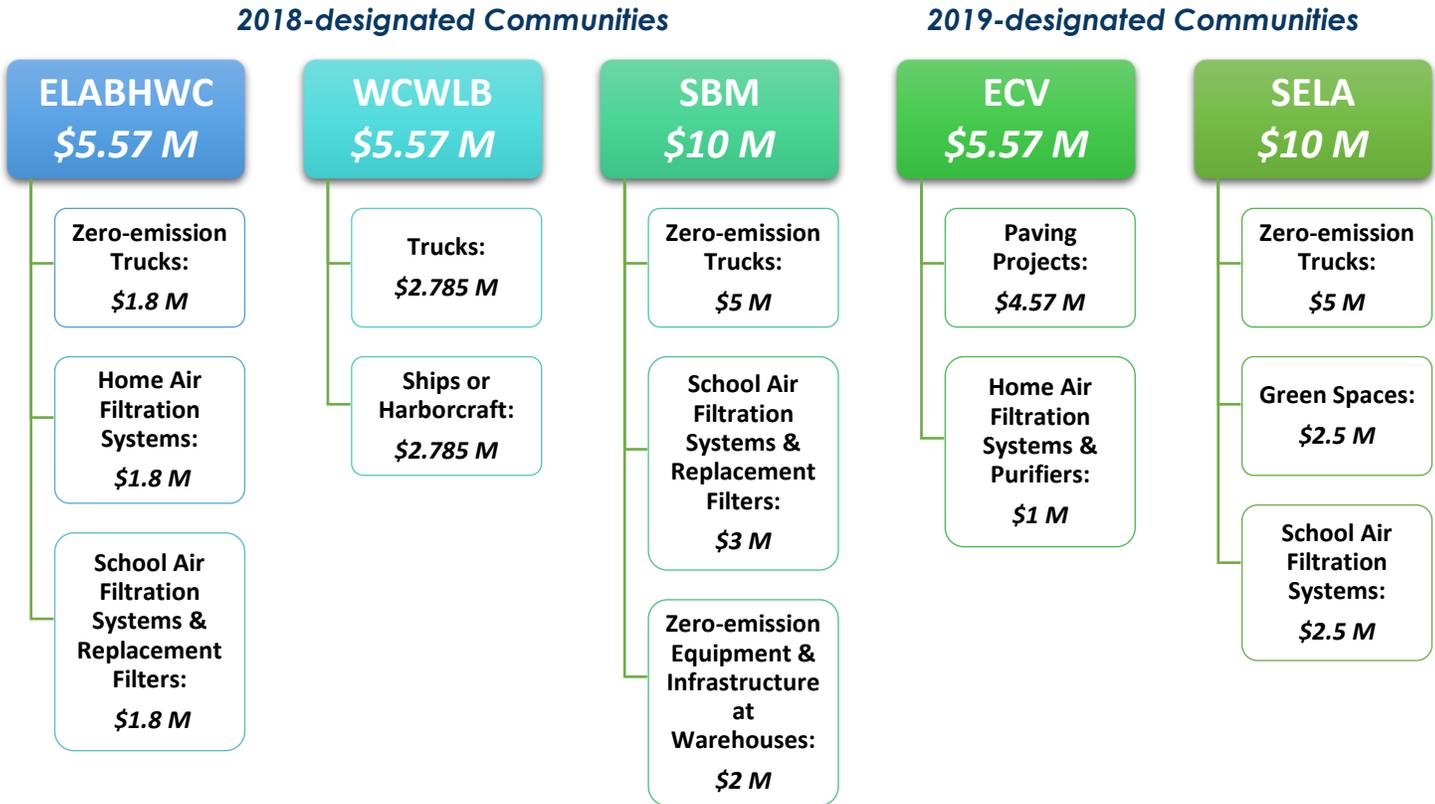
¹² CARB, Community Air Protection Incentives, <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-incentives>, Accessed August 21, 2021.

Staff conducted multiple workshops in each community between December 2020 and April 2021 to prioritize community-identified projects and the funding levels for each project type. On April 29, 2021, South Coast AQMD staff submitted another disbursement request for Year 3 CAPP incentive funds to CARB for community-identified project categories in each of the 2018-designated and 2019-designated AB 617 communities. CARB approved this disbursement request. Staff will continue to work with the CSC and the appropriate entities to implement eligible community-identified projects in each community. A detailed breakdown of the Year 3 CAPP Incentive Fund distribution, along with a brief overview of participatory budgeting, is below.

Participatory Budgeting

During the incentives budgeting workshops mentioned above, staff gathered CSC input for community-identified projects. Staff presented information on eligible project types from actions in the CERPs, including the average cost based on past projects, expected emission reductions, and the difficulty of implementing those projects. Staff also surveyed the communities to identify the top priorities for community-identified projects and determine the distribution of remaining CAPP funds to each project type. Figure 11 – Community-Identified Projects Selected for AB 617 Communities shows the budgets allocated for each community and the community-identified projects prioritized by the CSCs.

Figure 11 – Community-Identified Projects Selected for AB 617 Communities



Additional Funding Programs and Projects

CARB’s Air Grants Program¹³ and supplemental environmental projects¹⁴ (SEPs) can provide funding to support CERP implementation. The Air Grants Program supports community-based organizations to participate and build capacity to become active partners in the AB 617 process. Several community-based organizations in the South Coast AQMD 2018-designated and 2019-designated AB 617 communities are awardees of the Air Grants Program. SEPs fund community-based projects from a portion of the penalties received during the settlement of enforcement actions.

- Air Grant Program awardees and summary of projects can be found here: <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/community-air-grants/proposed-awardees>.

¹³ CARB Community Air Grants: Proposed Awardees. <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program/community-air-grants/proposed-awardees>. Accessed August 14, 2020.

¹⁴ CARB Supplemental Environmental Projects (SEPs). <https://ww2.arb.ca.gov/our-work/programs/supplemental-environmental-projects-seps/about>. Accessed September 1, 2020.

- SEPs that are currently being funded and implemented and/or completed can be found here: <https://ww2.arb.ca.gov/our-work/programs/supplemental-environmental-projects-seps/supplemental-environmental-project-sep-1>.

Enforcement

The South Coast AQMD Office of Compliance and Enforcement (OCE) staff has made progress in conducting field activities and taking enforcement action. Field activities include community-specific CERP actions, such as truck idling sweeps, complaint responses, evaluating and addressing notifications (e.g., equipment breakdowns or flaring), facility inspections, surveillance operations, and other daily functions carried out by OCE staff. Field activities may also consist of follow-up investigations when community air monitoring shows exceedances of a given pollutant.

Enforcement highlights for each community and a full status update for all CERP actions, goals, and strategies are presented earlier in this report. As an example of field activities, the results of truck idling sweeps in applicable AB 617 communities are in Table 4.

Table 4 – Idling Truck Sweeps Conducted within 2018-designated and 2019-designated AB 617 Communities¹⁵

| Inspection Date | Number of Trucks Inspected | Certified Clean Idle Stickers | Notice of Violation |
|-----------------|----------------------------|-------------------------------|---------------------|
| ELABHWC | | | |
| 10/17/2019 | 24 | 0 | 0 |
| 10/18/2019 | 11 | 0 | 0 |
| 2/25/2020 | 17 | 10 | 1 |
| 5/19/2020 | 62 | 36 | 0 |
| 8/5/2020 | 39 | 16 | 0 |
| 11/3/2020 | 21 | 16 | 0 |
| 2/9/2021 | 17 | 4 | 0 |
| 5/4/2021 | 27 | 13 | 0 |
| SBM | | | |
| 9/26/2019 | 24 | 0 | 2 |
| 11/10/2019 | 11 | 7 | 0 |
| 3/31/2020 | 8 | 2 | 0 |
| 6/4/2020 | 18 | 16 | 0 |
| 12/3/2021 | 11 | 10 | 0 |
| 12/4/2021 | 5 | 4 | 0 |
| 3/24/2021 | 6 | 5 | 0 |
| 6/16/2021 | 11 | 10 | 0 |
| WCWLB | | | |

¹⁵ Truck idling inspection locations were selected based on complaints received, CARB data sources, and locations prioritized by each respective CSC during the truck idling location prioritization activities conducted in October 2019.

| Inspection Date | Number of Trucks Inspected | Certified Clean Idle Stickers | Notice of Violation |
|-----------------|----------------------------|-------------------------------|---------------------|
| 9/26/2019 | 75 | 2 | 0 |
| 1/28/2020 | 59 | 40 | 0 |
| 2/4/2020 | 0 | 0 | 0 |
| 4/29/2020 | 85 | 65 | 4 |
| 7/16/2020 | 43 | 21 | 0 |
| 9/2/2020 | 0 | 0 | 0 |
| 10/20/2020 | 65 | 32 | 0 |
| 2/3/2021 | 104 | 78 | 0 |
| 4/30/2021 | 74 | 45 | 3 |
| Totals: | 394 | 178 | 7 |

Air Monitoring

Air Monitoring is being conducted as outlined in the CAMPs for each of the AB 617 communities. The locations and types of pollutants monitored are unique to each community and determined through collaboration with the CSCs and guided by the CAMPs. Data collected from air monitoring provides valuable information about air pollution sources, types of pollutants, and air quality impacts in AB 617 communities. Monitoring data resulting from the implementation of the CAMPs also support CERP implementation, such as enforcement activities (e.g., follow-up investigations, inspections).

To keep CSCs informed of monitoring conducted for the CAMPs and CERPs, South Coast AQMD staff developed interactive maps for each community that tracks the progress of monitoring activities. The interactive maps are available on the AB 617 community air monitoring webpages listed below.

- ELABHWC – <http://www.aqmd.gov/ab617/monitoring/elabhwc>
- SBM – <http://www.aqmd.gov/ab617/monitoring/sbm>
- WCWLB – <http://www.aqmd.gov/ab617/monitoring/wcwlb>
- ECV – <http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/ab-617-community-air-monitoring/communities/eastern-coachella-valley-community-air-monitoring>
- SELA – <http://www.aqmd.gov/ab617/monitoring/sela>

Additionally, South Coast AQMD staff created an Air Monitoring Data Display tool for the public to view monitoring data collected at the community level for each AB 617 community. The Air Monitoring Data Display is available at <http://xapprod.aqmd.gov/AB617CommunityAirMonitoring/Home>.

Rules and Regulations

Many of the CERPs also include a regulatory strategy to achieve emission reductions for mobile and stationary sources. Table 5 – Status of Rules Required to be Considered for CERPs from September 6, 2019, to June 30, 2021, provides a status update of rules that are identified in the CERPs as part of the strategy to achieve emission reduction targets.

**Table 5 – Status of Rules Required to be Considered for CERPs from
September 6, 2019, to June 30, 2021**

| Regulation | Purpose | Agency | AB 617 Community | Expected Public Hearing Date | Updated Public Hearing Date | Status of Development |
|--|--|------------------|---------------------------|---------------------------------------|--------------------------------------|---|
| Control Measure for Ocean-Going Vessels At-Berth (At-Berth Regulation) | The proposed regulation would take effect in 2021 and is designed to achieve further emissions from vessels at berth to reduce adverse health impacts to communities surrounding ports and terminals throughout California. | CARB | WCWLB | December 2019 | 8/27/2020 | Regulation was approved by CARB's Board. |
| Advanced Clean Truck Regulation | This regulation is a requirement for truck manufacturers to sell zero-emission trucks in California and a one-time requirement for large entities to report about their facilities, types of truck services used, and fleet of vehicles. | CARB | ELABHWC, SBM, WCWLB, SELA | Early 2020 | 6/25/2020 | Regulation was approved by CARB's Board. |
| Rule 2305 - Warehouse Indirect Source Rule (ISR) - Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program | This rule establishes a new regulatory program applicable to warehouses greater than 100,000 square feet. This rule provides a menu of potential compliance options for industry. | South Coast AQMD | ELABHWC, SBM, WCWLB, SELA | December 2020 | May 2021 | Rule 2305 was adopted by the South Coast AQMD Governing Board on May 7, 2021. |

| Regulation | Purpose | Agency | AB 617 Community | Expected Public Hearing Date | Updated Public Hearing Date | Status of Development |
|---|---|------------------|---------------------------|------------------------------|-----------------------------|--|
| Railyard Indirect Source Rule (ISR) | Proposed Rule 2306 – ISR for New Intermodal Facilities would reduce regional and local emissions from new intermodal facilities by requiring the cleanest technologies feasible, including infrastructure to support zero- emission technologies and other measures that minimize air quality and public health impacts, consistent with the 2016 AQMP and the AB 617 Program | South Coast AQMD | ELABHWC, SBM, WCWLB, SELA | December 2020 | December 2021 | The public hearing dates have been delayed allowing more time to work with stakeholders and to incorporate modifications to the rulemaking process. |
| Memorandum of Understanding (MOU) for Marine Ports | Following Board’s direction, staff has been pursuing a MOU with the Ports based on the San Pedro Bay Ports Clean Air Action Plan (CAAP) measures. | South Coast AQMD | WCWLB | December 2019 | TBD | The Ports MOU is under development and will be based on the CAAP measures. |
| Proposed Rule 1109.1 – Reduction of Emissions of Oxides of Nitrogen from Refinery Equipment | The purpose of this rule is to reduce emissions of NOx, while not increasing carbon monoxide (CO) emissions, from units at petroleum refineries and facilities with related operations to petroleum refineries. | South Coast AQMD | WCWLB | December 2020 | Fourth quarter 2021 | Staff has conducted multiple working group meetings with various stakeholders since September 6, 2019. The expected Board date has been moved to 4 th quarter 2021. |

Collaboration

Collaboration with other public agencies and community groups is key to implementing the CERPs. Highlights of South Coast AQMD collaboration with other public entities and community groups initiated during this reporting period are outlined below.

- Participatory budgeting workshops were held with all five AB 617 communities, prioritizing what types of community-identified projects should be funded, and how much funding each project type should receive
- South Coast AQMD and CARB staff have been working to coordinate the installation of “No Idling” signs in the ELABHWC, WCWLB, and SBM communities
- South Coast AQMD and CARB staff have been coordinating an Automated License Plate Recognition (ALPR)/Portable Emissions Acquisition System (PEAQS) pilot study in ELABHWC and an ALPR Pilot study in SBM
- Staff established a collaborative partnership 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 in ECV
- Staff has begun partnering with CARB, the Department of Pesticide Regulation (DPR), the Office of Environmental Health Hazard Assessment (OEHHA), and the Riverside County Agricultural Commissioner to address the ECV CSC’s concerns related to pesticides
- South Coast AQMD was selected for the U.S. EPA State Environmental Justice Cooperative Agreement Grant Program to improve environmental literacy and air quality data in ECV in partnership with Twenty-Nine Palms Band of Mission Indians, Desert Healthcare District and Foundation, and Health Assessment and Research for Communities
- Staff initiated discussions with AltaMed and Council of Mexican Federations in North America (COFEM) to conduct community outreach on air quality health risk advisories and asthma risk reduction for the ELABHWC community
- Staff met separately with Los Angeles Department of Transportation (LADOT) and Los Angeles (LA) County Public Works to discuss truck routes and provide information that could help identify corridors for which to limit truck traffic for the ELABHWC community
- Recommendations were submitted to the LA County Department of Regional Planning on their Proposed Green Zones Ordinance to help reduce emissions and air pollution exposure in ELABHWC community
- Discussions were held with LA County Department of Regional Planning to help institute a permit cross-check program between both agencies in the ELABHWC community
- South Coast AQMD and Los Angeles County Department of Public Health began discussions to develop outreach material for various actions for the WCWLB and ELABHWC CERPs

- South Coast AQMD worked with WCWLB Long Beach Alliance for Children with Asthma (LBACA) to develop, plan, and present asthma related outreach that discussed asthma triggers, air quality impacts in the community, and identified the benefits of air filtration systems at schools
- South Coast AQMD staff initiated discussions with CalTrans staff to work towards the designation of clean truck lanes on the Interstate (I) - 710 freeway for the SELA community. Staff also worked with SELA CSC to identify further detail implementation measures for General Industrial air quality priority (e.g. conduct community outreach and training on South Coast AQMD's FIND tool and how to file air quality complaints)
- Staff initiated discussions to establish partnerships with land use, state and local agencies, and non-profit organizations (i.e., Altamed, COFEM, TreePeople, Gateway Cities Council of Governments (COG)) to develop a list of low-VOC, drought-tolerant trees for the SELA community

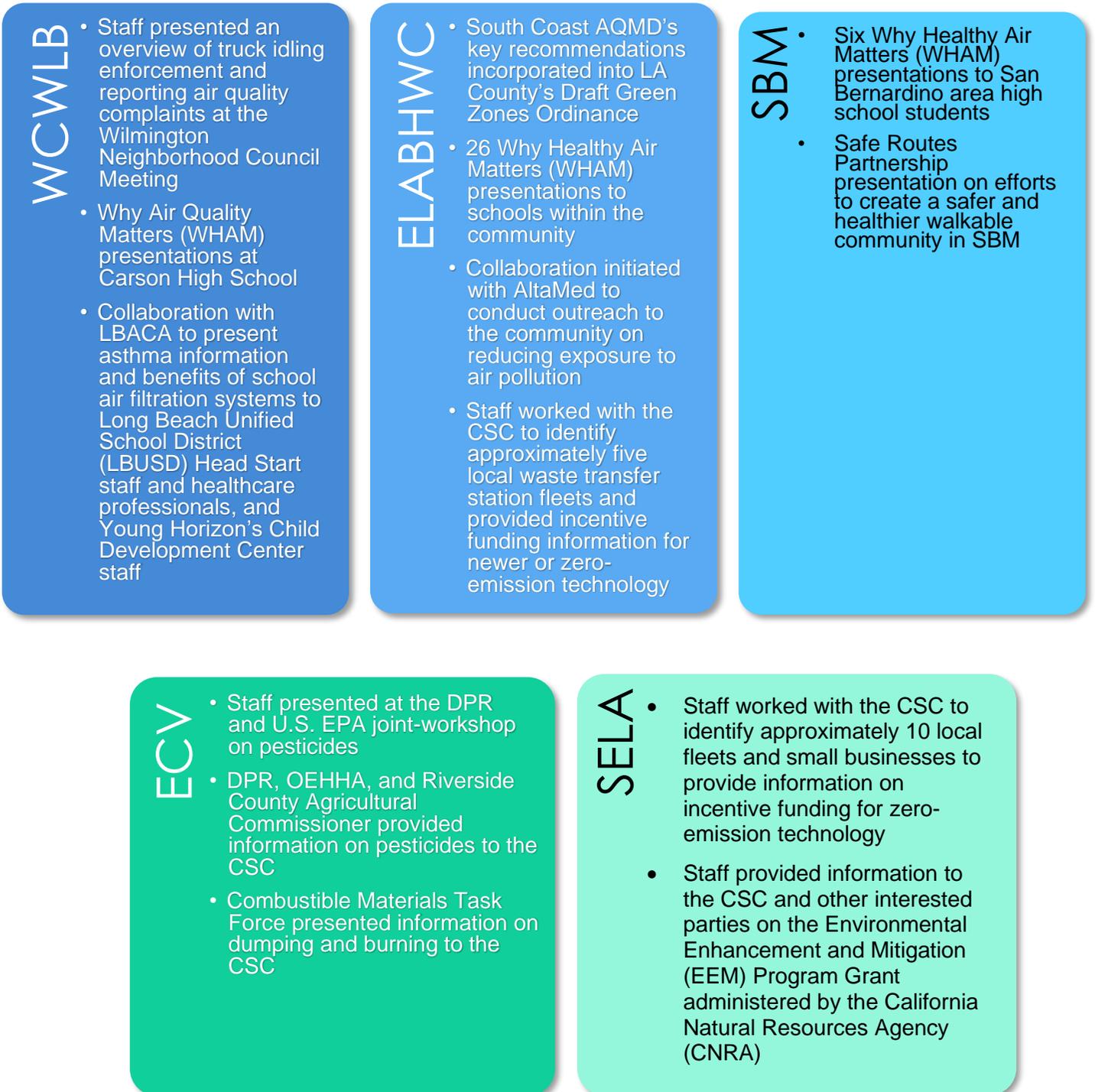
Public Information and Outreach

Public information and outreach have been a fundamental strategy utilized in the AB 617 program, from developing the CERPs to implementing them. In the CERP development phase for each community, staff provides an emissions inventory, sources of air pollution, and other relevant community information. These efforts were conducted in-person through community outreach events, in-community meetings with small groups and organizations, informational materials distributed in the community, and other platforms (e.g., phone, email, social media). Since March 2020, South Coast AQMD outreach efforts have mostly transitioned to a virtual format in response to COVID-19 and related health orders. For example, in May of 2020, staff conducted outreach for Carl Moyer funding opportunities via webcast in place of public workshops in the community. Other examples include Why Healthy Air Matters (WHAM)¹⁶ presentations that have continued virtually in each of the 2018-designated communities, which provide middle and high school students information on air quality issues. Despite the challenges of navigating a virtual environment, staff will continue to conduct public outreach and provide information as part of CERP implementation.

A list of key public outreach efforts conducted from September 6, 2019, to June 30, 2021, for CERP implementation is in Figure 12.

¹⁶ South Coast AQMD, Why Healthy Air Matters, <http://www.aqmd.gov/home/programs/education/wham>, Accessed August 22, 2021.

Figure 12 – Key Public Outreach Efforts



SUMMARY OF KEY PLAN ADJUSTMENTS

During the development of the CERPs, staff worked with each CSC to develop actions, strategies, metrics, and timelines (e.g., expected start and completion). In some instances, adjustments to implementing the plan are necessary to address unforeseen circumstances. For example, staff adjusting outreach events to a virtual platform instead of in-person because COVID-19 restrictions limit in-person events or meetings. Below is a summary of key implementation adjustments to the CERPs.

- The implementation timelines written in the 2018-designated CERPs noted Rule 2305 – Warehouse ISR was scheduled to be considered for adoption by the South Coast AQMD’s Governing Board by early 2020; however, the rulemaking process experienced delays due to the COVID-19 pandemic. The purpose of the rule is to reduce local and regional emission reductions associated with warehouses larger than 100,000 square feet and the mobile sources attracted to them. Although delayed, South Coast AQMD staff continued to develop the rule which was adopted by the South Coast AQMD Governing Board on May 7th, 2021.
- The WCWLB, SBM, ELABHWC, and SELA CERPs include a regulatory strategy to develop an ISR to reduce air pollution from railyards. On the CERP implementation timeline, the Railyard ISR was scheduled to be considered by the South Coast AQMD Governing Board by December 2020. The public hearing dates have been delayed to allow more time to work with stakeholders and to incorporate modifications to the rulemaking process. The proposed Railyard ISR is currently scheduled for consideration by the Governing Board in the fourth quarter of 2021 and working group meetings are ongoing. South Coast AQMD staff continues to work with stakeholders (i.e., rail yard operators, communities, etc.) on proposed concepts for the Railyard ISR.
- The WCWLB CERP includes an action to bring Proposed Rule (PR) 1109.1 - NOx Emission Reduction for Refinery Equipment and Related Operations to the South Coast AQMD Governing Board for consideration in 2020. The expected date for board consideration of PR 1109.1 has been delayed to 4th quarter, 2021. Updates to the status of PR 1109.1 will be provided in future progress reports.
- Developing detailed implementation measures for the general industrial air quality priority in the SELA CERP
- Each of the CERPs use public information and outreach to address certain air quality priorities. Due to the COVID-19 pandemic and restrictions, some outreach efforts may be delayed. Staff has used a virtual platform for outreach efforts when possible, to continue to implement the CERP actions.

South Coast AQMD staff is committed to continuing to complete the actions as outlined in the CERPs and providing updates to the CSC throughout CERP implementations. Future annual progress reports will continue to summarize the key implementation adjustments, as needed. Additionally, South Coast AQMD staff is committed to working with the CSC to identify and

evaluate metrics for tracking the progress of CERP implementation in future annual progress reports.