



# AB 617: SAN BERNARDINO / MUSCOY

CO-HOSTS:  
ANGIE BALDERAS  
DANIEL WONG

3<sup>rd</sup> Quarter - 2021

# CERP & CAMP IMPLEMENTATION

UPDATE – 3<sup>RD</sup> QUARTER 2021

San Bernardino, Muscoy  
August 19, 2021

ASSEMBLY BILL (AB) 617  
COMMUNITY AIR INITIATIVES

## COMMUNITY EMISSIONS REDUCTION PLAN

SAN BERNARDINO,  
MUSCOY

JULY 2019 DRAFT

SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT



## **COMMUNITY EMISSIONS REDUCTION PLAN (CERP) IMPLEMENTATION**

- **Truck Idling Sweeps and “No Idling” Signs Update**
- **Automated License Plate Reader (ALPR) Update**
- **Truck Incentives Workshop Announcement**
- **Annual Progress Report and Implementation Budget Update**



# Update on Idling Enforcement

Helena Rhim ([helena.rhim@arb.ca.gov](mailto:helena.rhim@arb.ca.gov))

Robert Dalbeck ([rdalbeck@aqmd.gov](mailto:rdalbeck@aqmd.gov))

August 19, 2021

# CA Truck Idling Rules

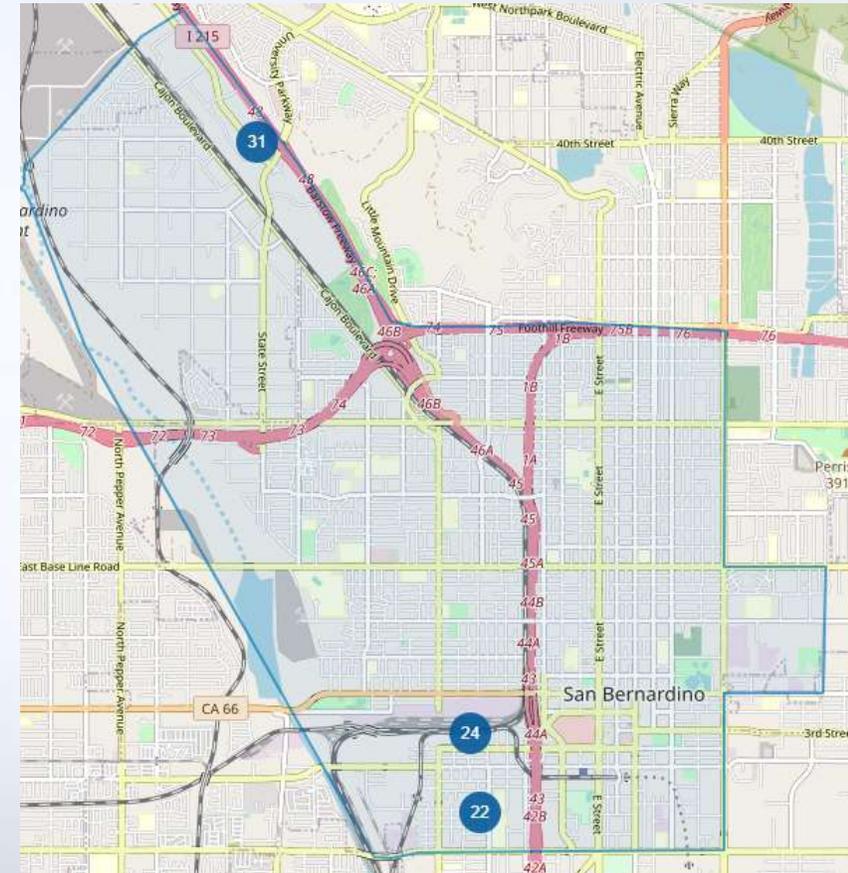
Heavy-duty diesel trucks may idle for **up to 5 minutes**, and for longer in these conditions:

- ✓ Has a certified Clean Idle engine and while queuing in unrestricted areas
- ✓ In adverse weather conditions
- ✓ When using a power take-off device
- ✓ In traffic
- ✓ During mechanical failure
- ✓ For certain inspections



# CARB Idling Enforcement

- **97 idling inspections in 2020** (90 compliant, 7 violations)
- Field inspections were limited due to COVID-19 safety protocols
- Q1-Q2 2021 inspection data pending review
- Report suspected illegal idling at:  
**1-800-END-SMOG**



<https://webmaps.arb.ca.gov/edvs/>

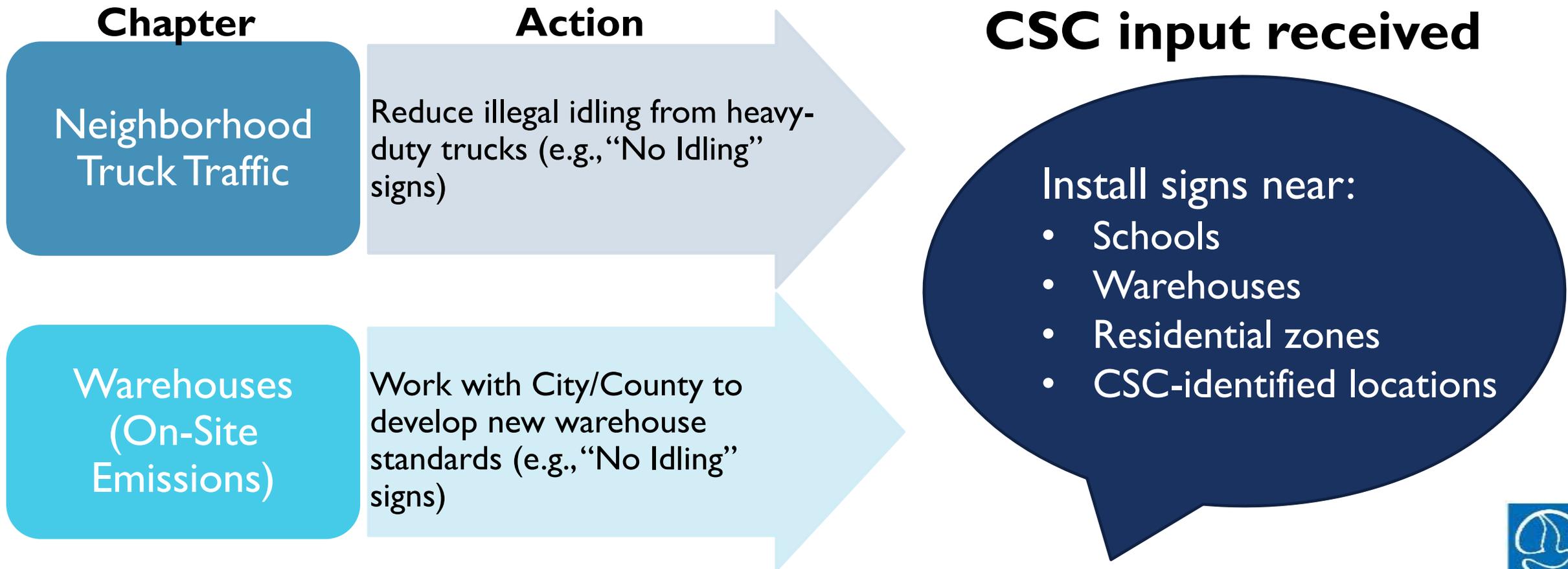
# “No Idling” Signs



“No Idling” signs remind truck drivers...

- ✓ Of the California-wide enforced idling rules
- ✓ That they **cannot idle within 100 ft. of sensitive receptors** (i.e., schools, hospitals, senior and childcare facilities), even if they have a Clean Idle sticker.

# CERP ACTIONS AND CSC INPUT



# PROPOSED “NO IDLING” SIGN LOCATIONS\*

**5th Street and N. Mount Vernon Ave**



**Kendall Ave and Palm Ave\***

**\*Within emissions study area**

**Rancho Ave between Foothill Blvd & Rialto Ave**



\*Proposed locations are based on previous focused enforcement efforts in SBM

# JAMBOARD ACTIVITY



<https://jamboard.google.com/d/1eoWTJzB-9EJ3thHBha6Bi2dB8IA6rYJPKFKctdYqMdl/edit?usp=sharing>

Identify "No Idling" sign locations or criteria to consider

Please provide input on Jamboard sticky note with your name.

**LOCATION  
EXAMPLE:  
Tia Juana St. N  
and W.  
Kingman St.  
-Jane Doe**

**CRITERIA  
EXAMPLE:  
Near K-12  
public schools  
-John Doe**

Additional input can be provided to [rdalbeck@aqmd.gov](mailto:rdalbeck@aqmd.gov) by August 27, 2021

*\*Proposed locations are subject to permitting and other discretionary limitations*

# NEXT STEPS

Jamboard Activity

Today

Compile CSC input\* to  
provide to CARB

August 27, 2021

Work with CARB and  
local land use agencies to  
install “No Idling” signs\*\*

September/October

*\*Any additional input can be provided to [rdalbeck@aqmd.gov](mailto:rdalbeck@aqmd.gov) by August 27, 2021*

*\*\*Proposed locations are subject to permitting and other discretionary limitations*



# **Automated License Plate Recognition (ALPR) Pilot Study**

San Bernardino/Muscoy Community Steering Committee Meeting

August 19, 2021

# ALPR Pilot Study

- What is ALPR?
  - Automated License Plate Recognition
  - Collects images of passing vehicles
  - Automated algorithm transcribes license plate images to a searchable text file



# ALPR Pilot Project

- **Objective**
  - Collect heavy-duty vehicle information and assess ability to achieve desired CERP actions prior to larger scale monitoring
- **Details**
  - Pilot will last for 1 week, Monday – Friday
  - Location based on operation logistics and previous monitoring data
- **Proposed Timeline**



# ALPR Pilot Project: Data Privacy and Use

- Monitoring and Laboratory Division led project
- ALPR data will be used for CERP objectives
- Collected data is subject to CARB ALPR Privacy Policy\* and adheres to DMV requirements

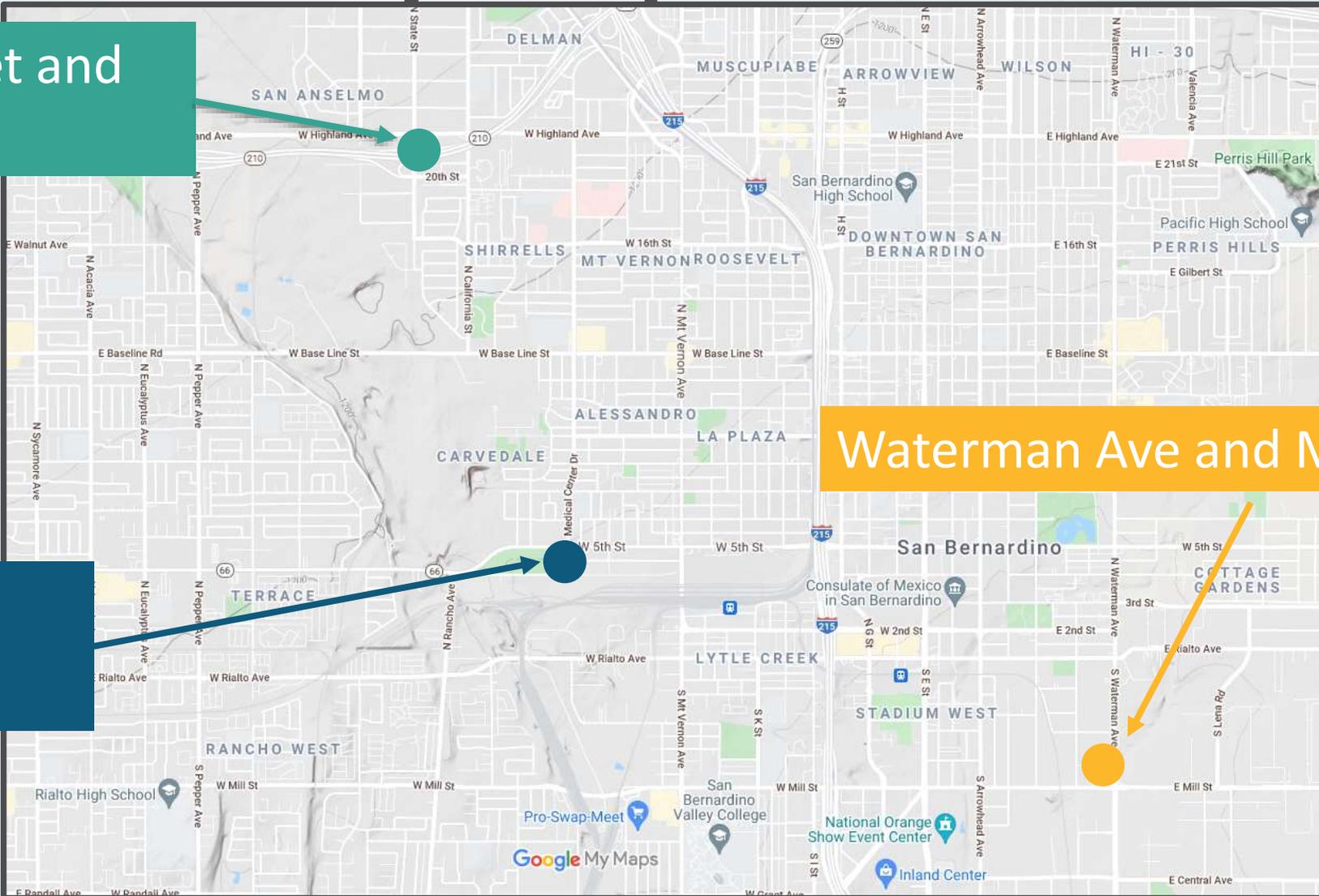


Picture Credit: LA Times

\*Data Privacy Policy: [https://ww2.arb.ca.gov/sites/default/files/2021-07/arb\\_alpr\\_privacy\\_usage\\_policy\\_050317.pdf](https://ww2.arb.ca.gov/sites/default/files/2021-07/arb_alpr_privacy_usage_policy_050317.pdf)

# ALPR Pilot Study: Proposed Locations

N State Street and  
20<sup>th</sup> Street



Waterman Ave and Mill Street

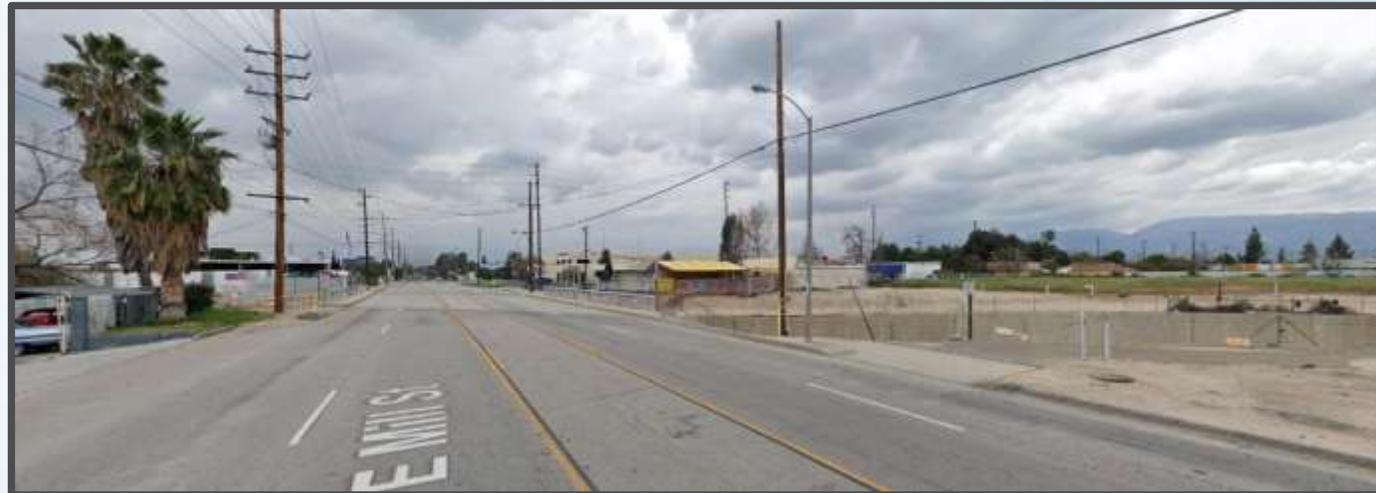
4<sup>th</sup> Street Near  
BNSF Railyards

# ALPR Pilot Study: Proposed Locations

4<sup>th</sup> Street Near  
BNSF Railyards



Waterman Ave  
and Mill Street



## For More Information

- **What is PEAQS and ALPR?**

- Informational video available on Youtube:

[https://www.youtube.com/watch?v=5kdsRR7\\_VVE](https://www.youtube.com/watch?v=5kdsRR7_VVE)

### MLD Monitoring Liaison

Xiaoxi Liu: [xiaoxi.liu@arb.ca.gov](mailto:xiaoxi.liu@arb.ca.gov)

### MLD PEAQS/ALPR Contact

Jeremy Smith: [jeremy.smith@arb.ca.gov](mailto:jeremy.smith@arb.ca.gov)



# AB 617 TRUCK INCENTIVES WORKSHOP FOR HEAVY-DUTY TRUCKS

WALTER SHEN

PLANNING AND RULES MANAGER



## BACKGROUND AND RECAP

Why a project plan for truck incentives?

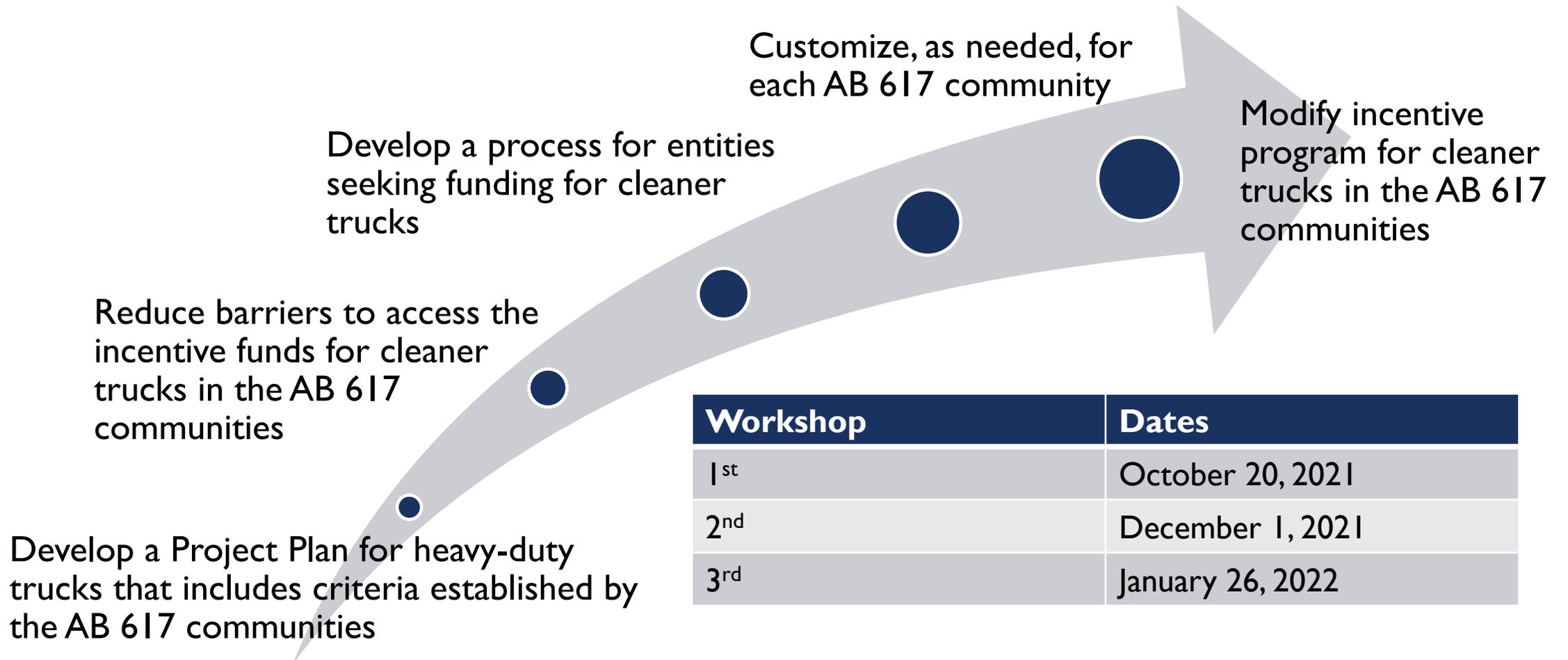
Existing incentive programs are not working for certain fleets and small businesses in AB 617 communities

Incentive program changes are needed to attract more participants

Customize incentives to meet the needs of the community (e.g., prioritize small businesses)

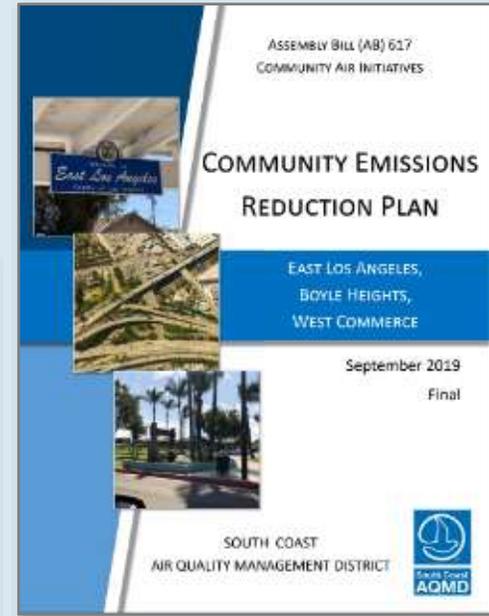
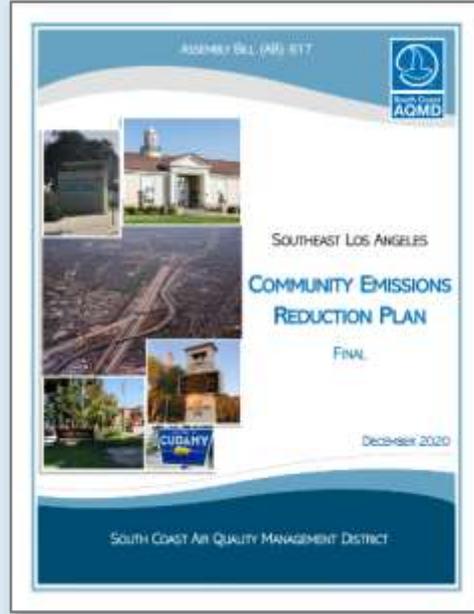
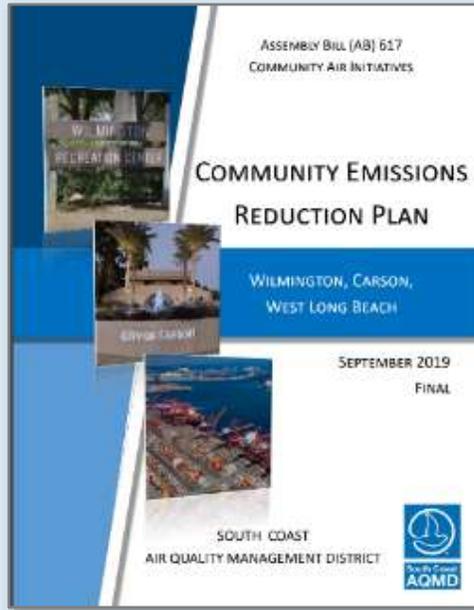
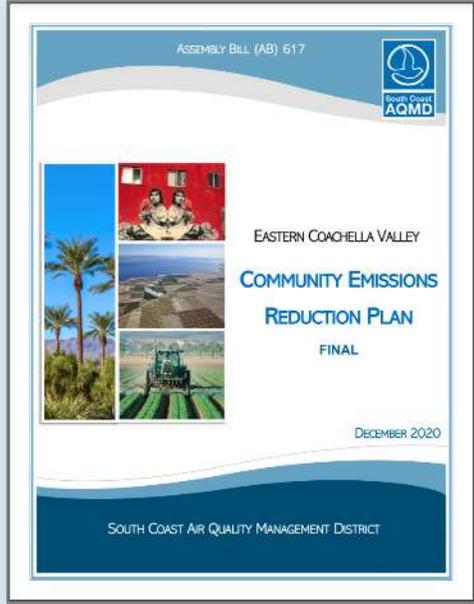
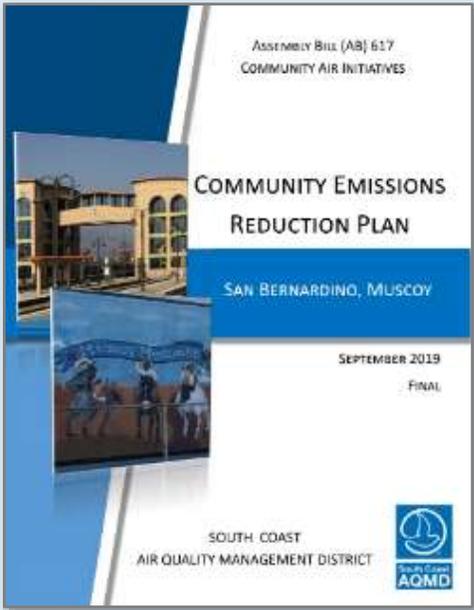
Prioritize funding for trucks in the AB 617 communities

# TRUCK INCENTIVES WORKSHOP (OBJECTIVES AND DATES)



## WHAT'S NEXT

- Upcoming workshop information will be provided
  - Agenda
  - ZOOM link
- Daniel Wong ([dwong@aqmd.gov](mailto:dwong@aqmd.gov))



# ANNUAL PROGRESS REPORT

ROBERT DALBECK

AIR QUALITY SPECIALIST



# OVERVIEW



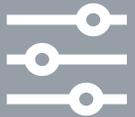
AB 617\* requires air districts to annually report the progress of CERP implementation



Report will be updated to include implementation totals to-date



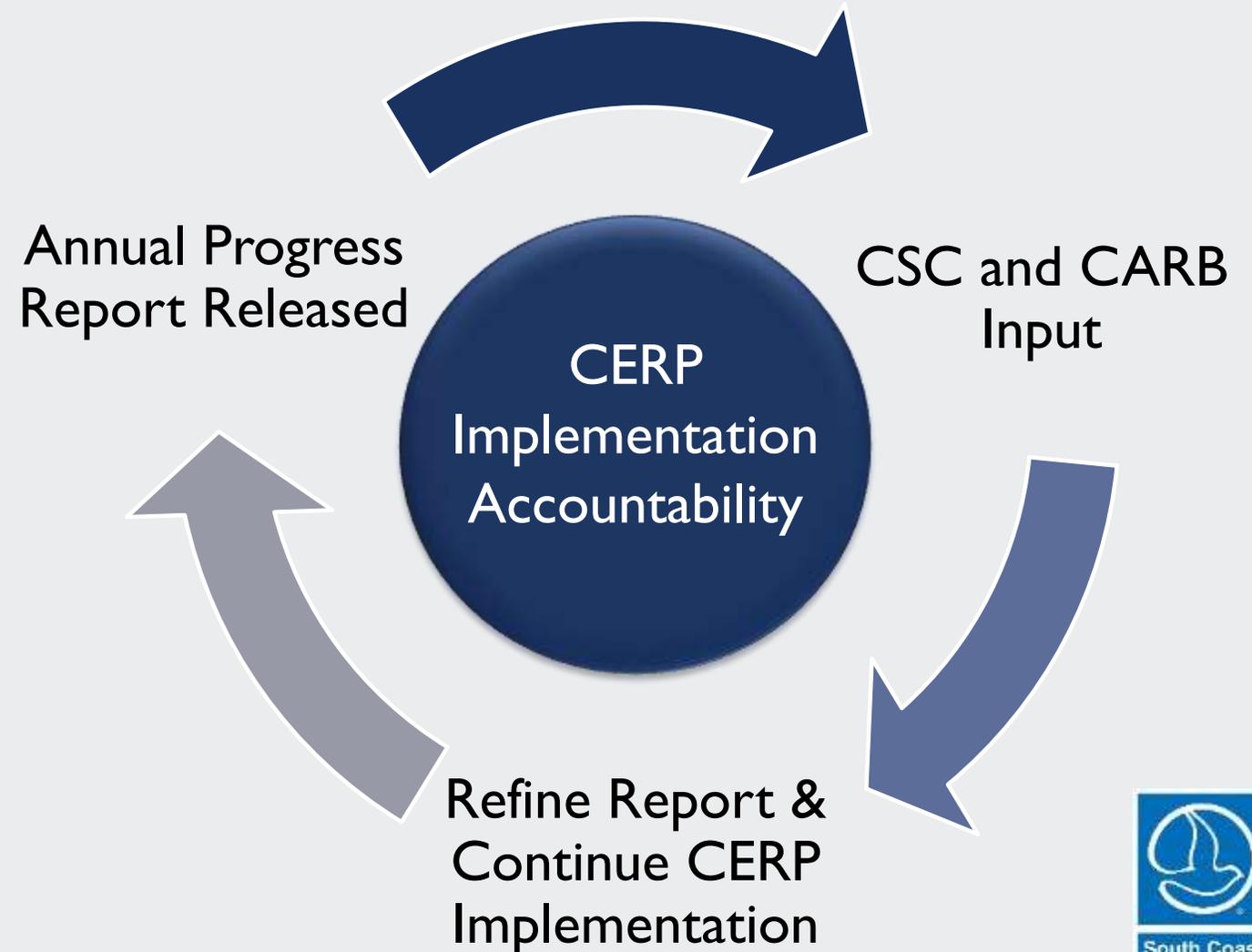
Annual reports sent to CSC and CARB for review



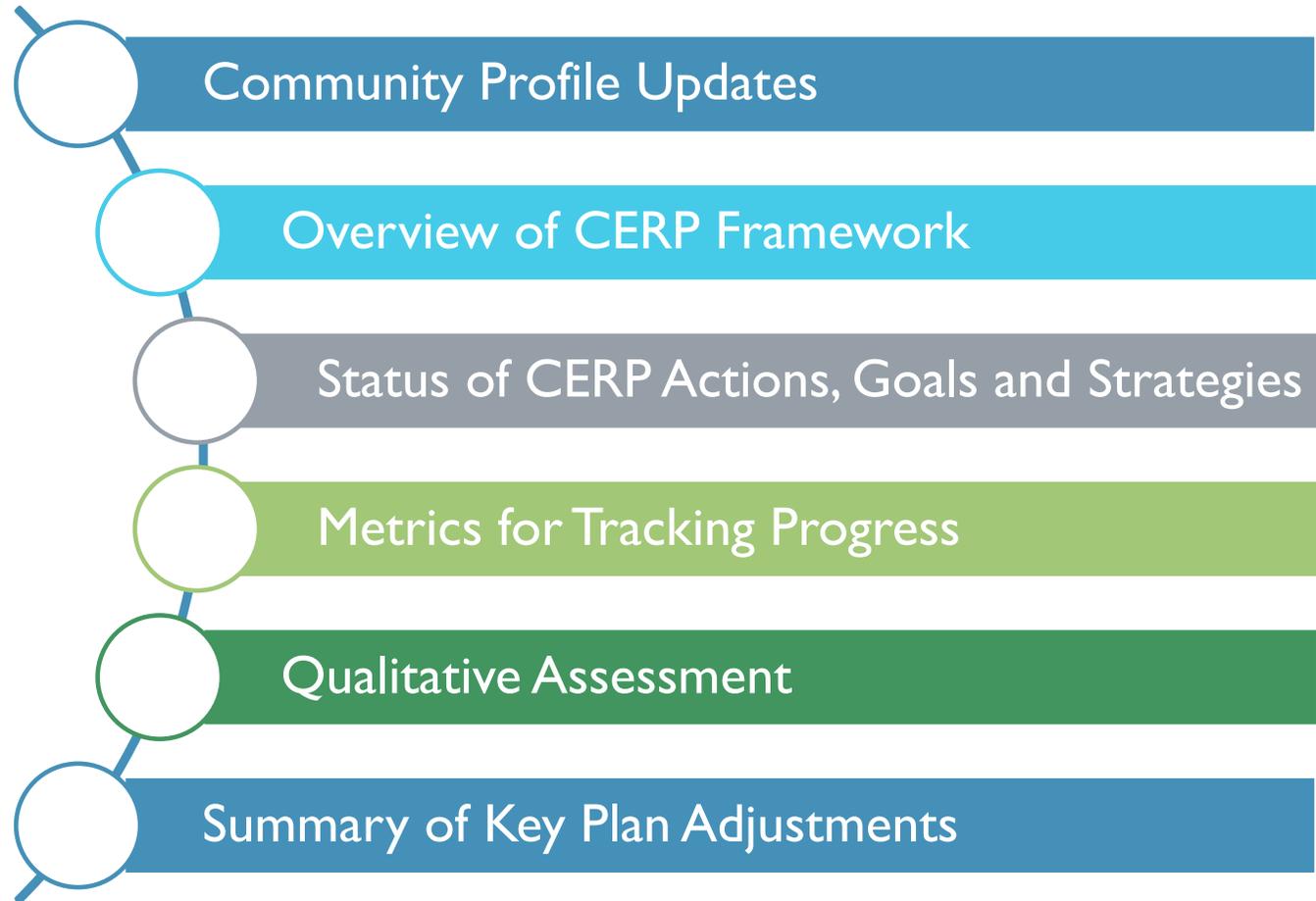
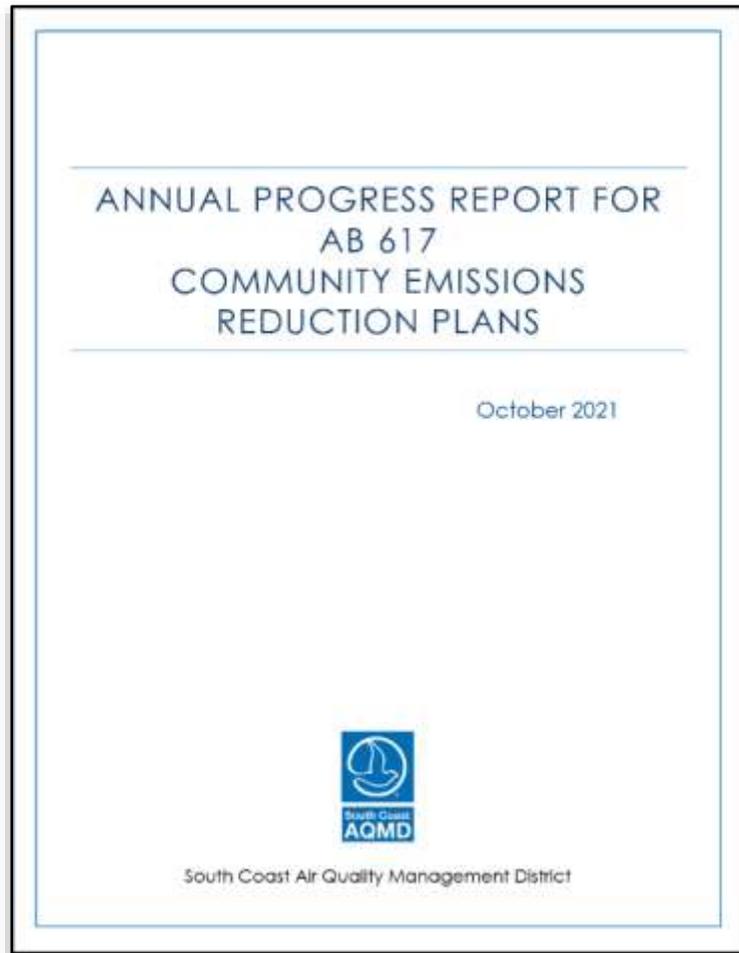
CARB may suggest plan revisions to air districts

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

# PURPOSE



# OVERVIEW OF REPORT ELEMENTS





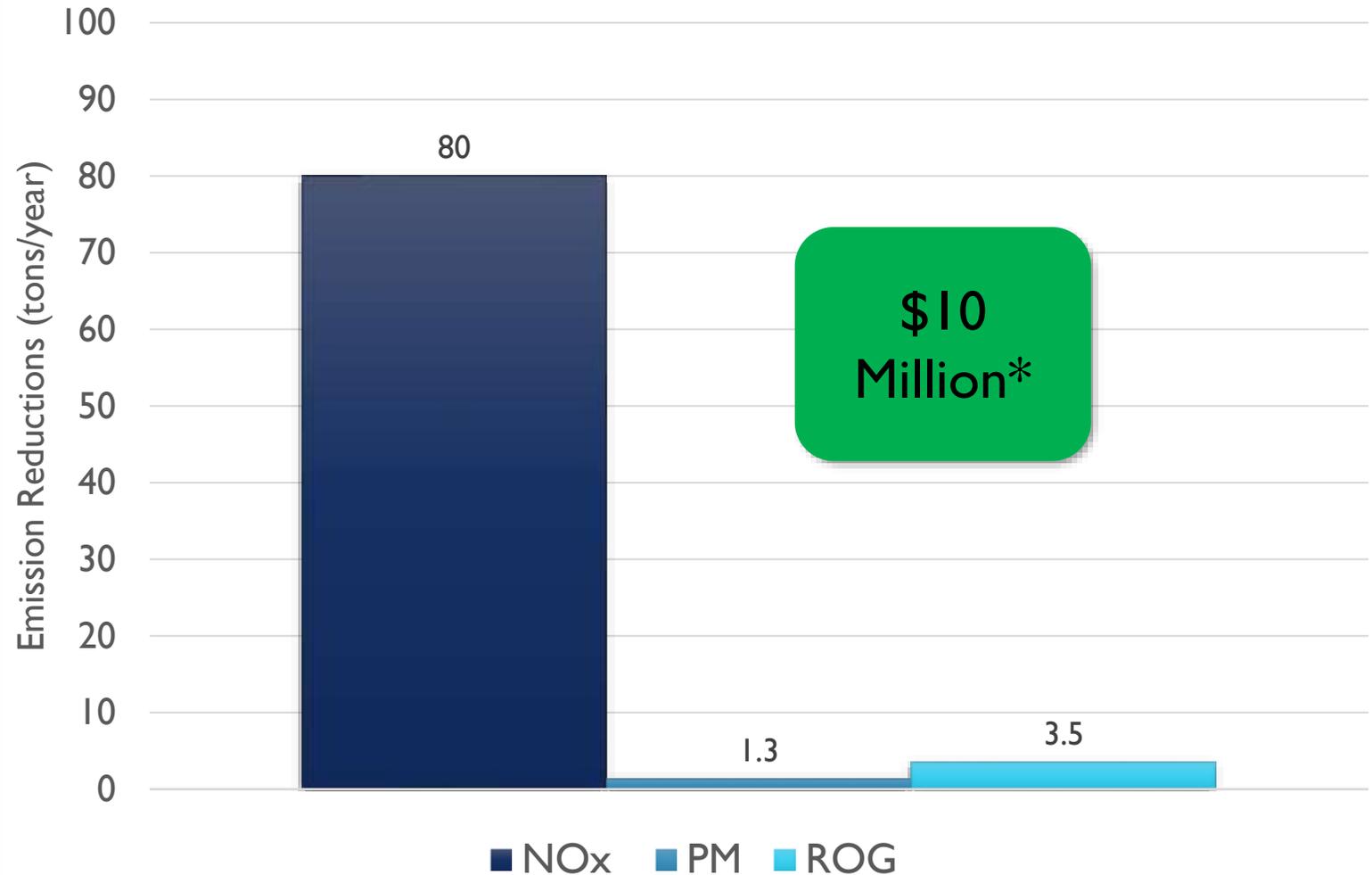
# SBM IMPLEMENTATION HIGHLIGHTS

- Adopted Warehouse Indirect Source Rule (ISR) – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program
- \$1.9 million in Year 2 Community Air Protection Program (CAPP) Incentive funds recognized for school air filtration systems
- \$10 million in Year 3 CAPP Incentive funds for Community-Identified Projects
  - \$5 million to zero-emission trucks
  - \$3 million to school air filtration systems and replacement filters
  - \$2 million to zero-emission equipment or infrastructure at warehouses
- Approximately \$10 million in mobile source incentive projects
- Public community air monitoring dashboard and data display tool have been developed
- Mobile measurements have been conducted in the community since June 2019. Additional mobile monitoring is being conducted by Aclima Inc.
- 6 air quality sensors deployed at community-identified locations
- Continued quarterly idling sweeps, over 140 trucks inspected

# TOTAL INVESTMENT IN INCENTIVES

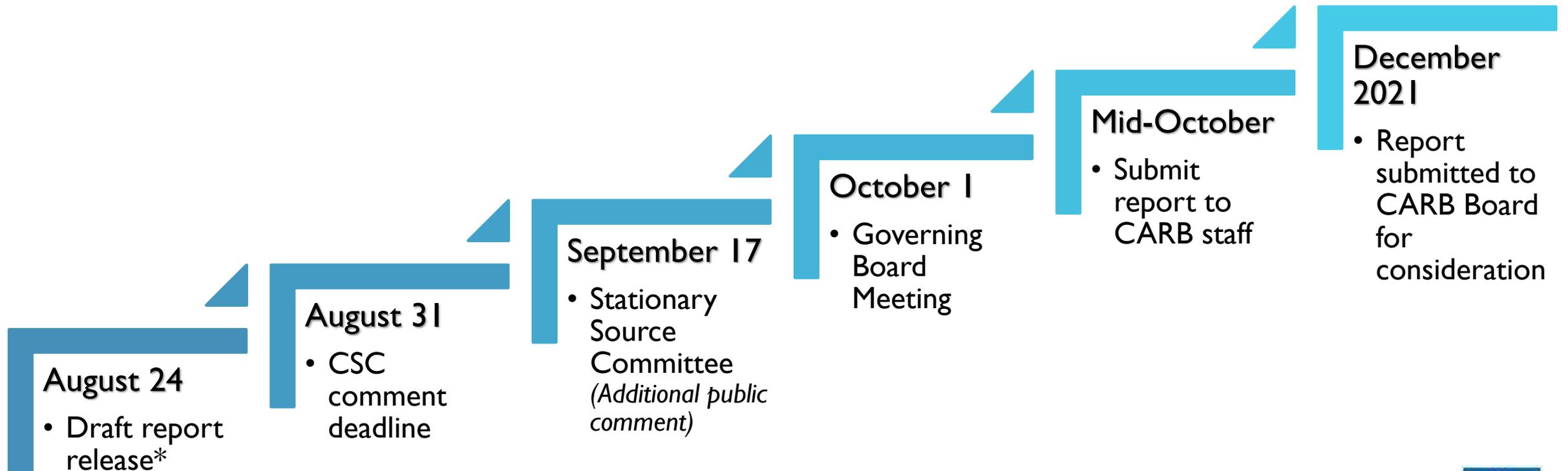
- Future incentive-based emission reductions dependent on program funding

## Approximate Emission Reductions based on Total Investment



\*Actual totals will be reflected in the annual report and do not include funds allocated for community-identified projects

# ANNUAL PROGRESS REPORT TIMELINE



\*2020-2021 Draft Annual Progress Report will be available online at <http://www.aqmd.gov/docs/default-source/ab-617-ab-134/2020-2021-draft-progress-report.pdf>



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# Questions and/or Comments?

Please submit by **August 31, 2021**  
to [rdalbeck@aqmd.gov](mailto:rdalbeck@aqmd.gov)  
**909-396-2139**





*AB 617*

<i>ELABAWC</i>	<i>ECU</i>	<i>SLA</i>
<i>SBM</i>	<i>SELA</i>	
<i>WCUWB</i>		

# AB 617 BUDGET OVERVIEW

CERP IMPLEMENTATION



# 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 IB
- 4<sup>th</sup> quarter 2020 and 1<sup>st</sup> quarter 2021 discussions

## 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
- Today's discussion

For a review of incentives budget please see:

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-mar18-2021.pdf?sfvrsn=14>

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/san-bernardino/presentation-dec10-2020.pdf?sfvrsn=14>

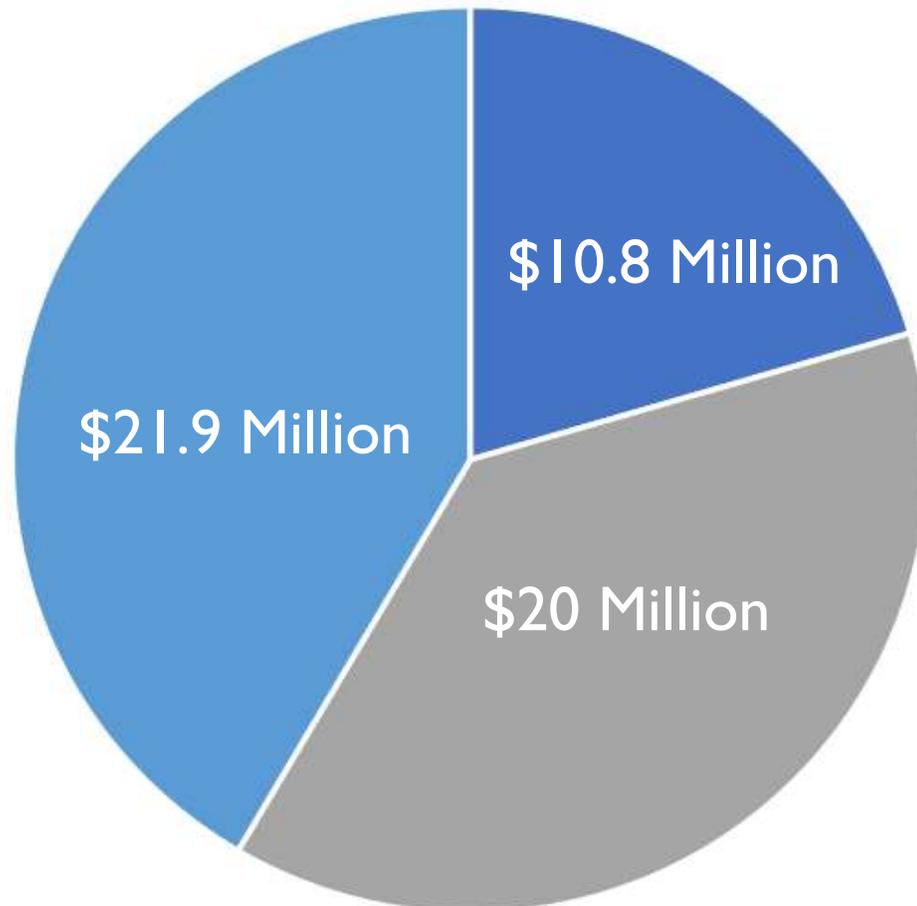
# AB 617 IMPLEMENTATION BUDGET

## Grant Years

Year 2017

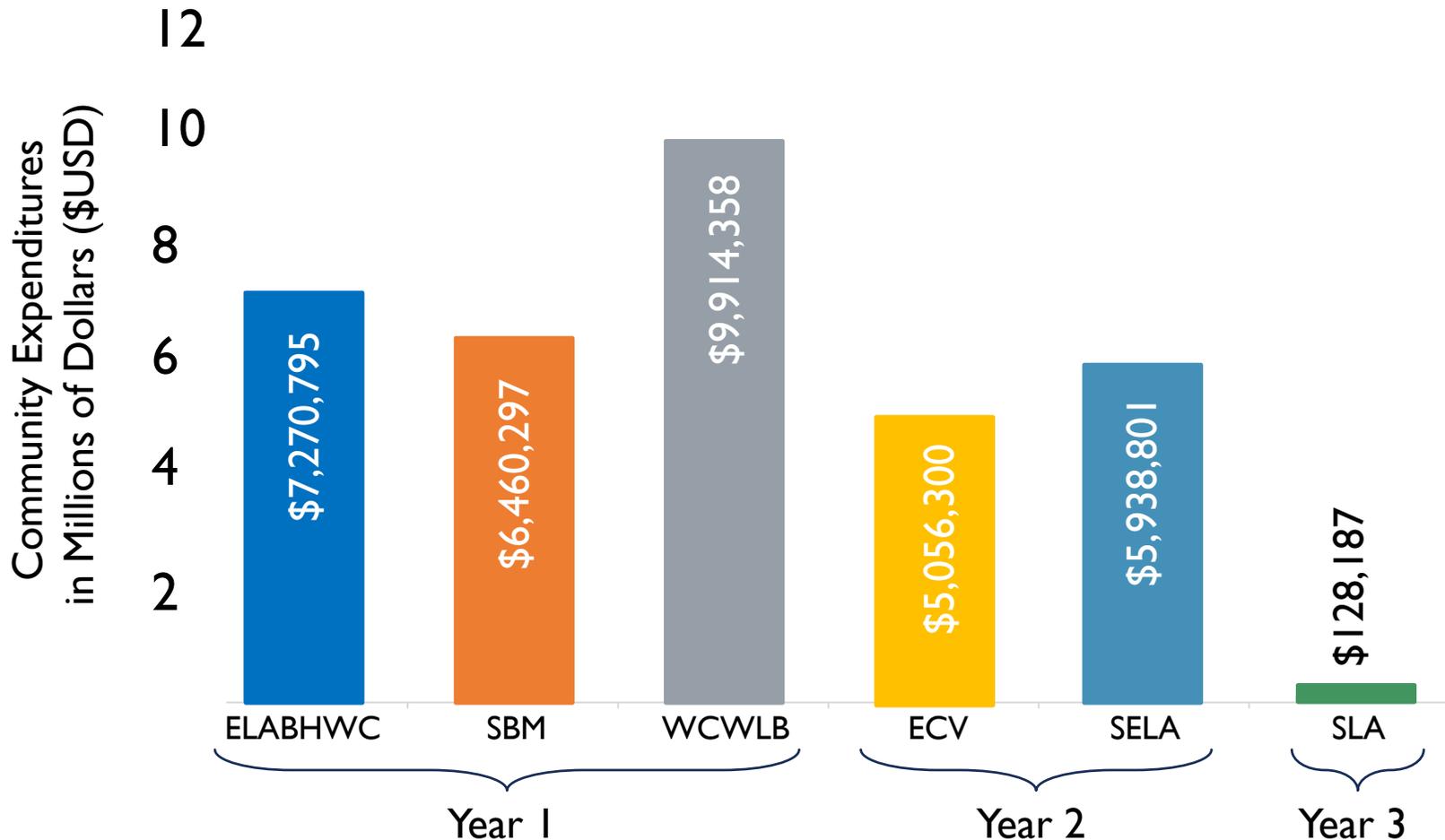
Year 2018

Year 2019



- Grant funds awarded through June 2021 total \$52.7 Million
- Grant funds awarded for implementation across all South Coast AQMD AB 617 communities
- Grant 2020 was received July 2021 for \$21.9 Million

# 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*

# SBM IMPLEMENTATION EXPENDITURES

## Staff Salaries

## Services and Supplies

- Facilitator and Interpreter services
- ACLIMA contract (VOC and BC measurements)
- CSC Stipends
- Cloud data storage
- Rent and leases

## Capital outlays

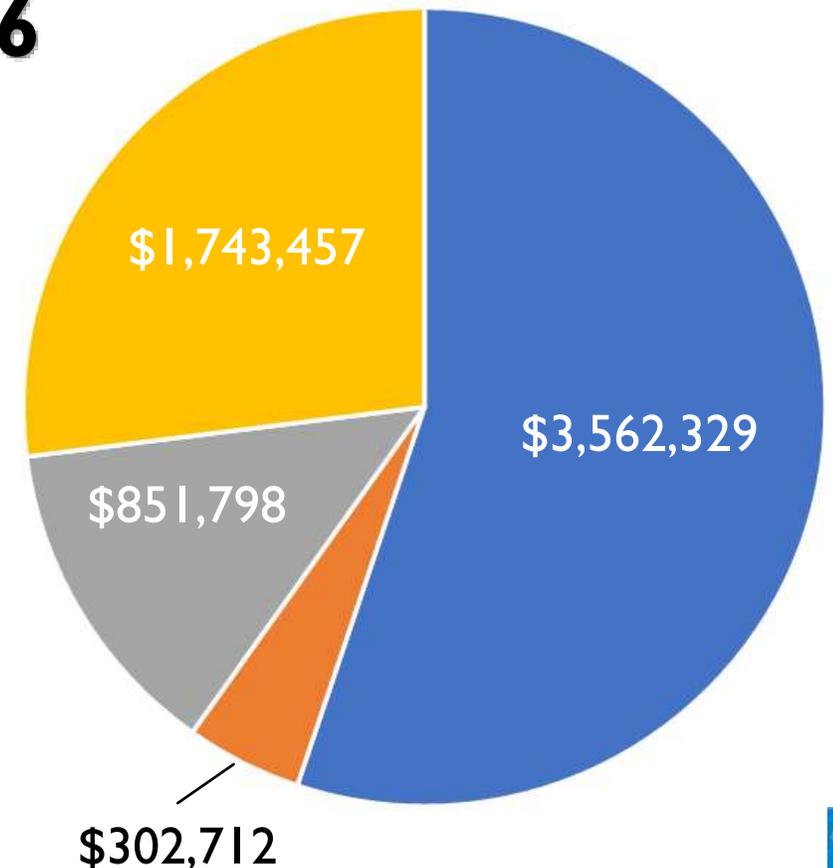
- Lab supplies
- Air pollution instrumentation (e.g., BC, ozone, NOx, particle counters)
- Data visualization

## Indirect Costs

- Overhead costs
- Legal, finance, administration, etc.

**\$6,460,296**

*Total expenditures through June 2021*



# AB 617 COMMUNITY EXPENDITURES

## Community Needs

- Community expenditures differ based on community needs, for example:
  - Unique air quality concerns - WCWLB Ports and Refineries require special monitoring contracts
  - Approach to community engagement - ECV had additional community working groups

## Years in AB 617 Program

- Year 1, 2, and 3 communities have different implementation budgets due to the amount of time they have been in the program
  - Year 1 communities have been under implementation since 2019
  - Year 2 communities have been under implementation since 2021
  - Year 3 communities are still in development phase

# CAMP IMPLEMENTATION UPDATE



**AUGUST 2021**

PAYAM PAKBIN, Ph.D.

PROGRAM SUPERVISOR

# AIR MONITORING PROGRESS UPDATE

Air monitoring updates for the period of June 2019 to August 2021 is now available online:

<http://www.aqmd.gov/ab617/monitoring/sbm>



Air monitoring activities are ongoing



An interactive progress update is now available



It provides an interpretation of the air monitoring results so far

# CAMP IMPLEMENTATION ACTIVITIES

## Fixed Air Monitoring

- Measurements at San Bernardino monitoring station

## Mobile Monitoring

- Mobile measurements in SBM community

## Sensor Network

- Community-led air quality sensor network

# INTERACTIVE PROGRESS UPDATE

New Interactive Progress Update is Now Available!

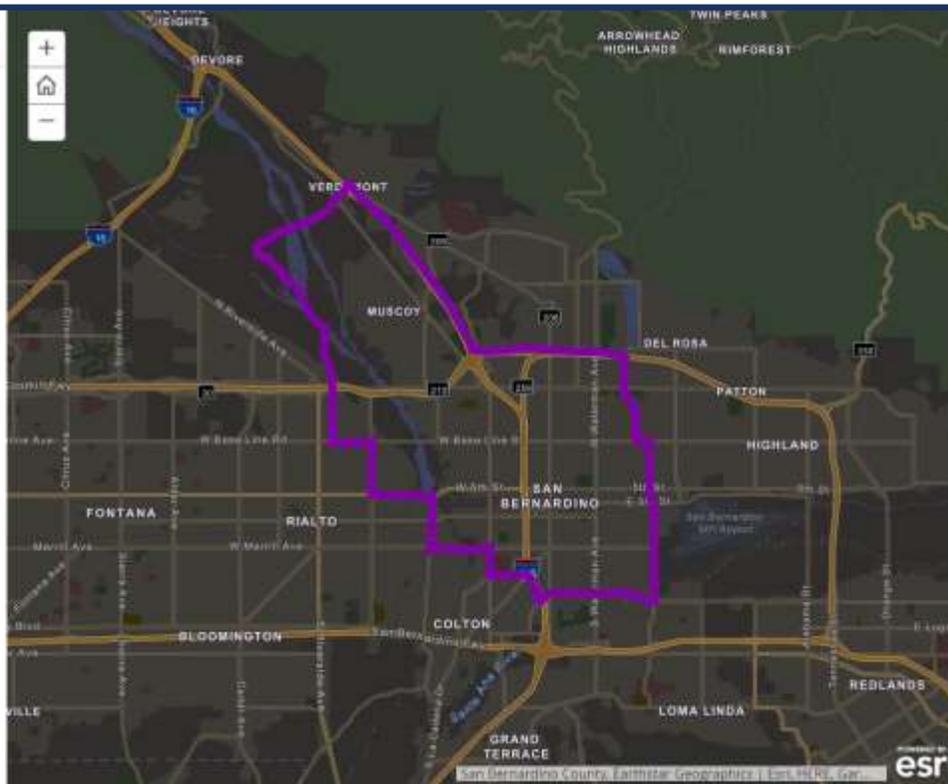
## Air Monitoring Progress Report – San Bernardino, Muscoy Community

An interactive explanation of AB 617 monitoring activities in the San Bernardino, Muscoy community

(underlined text is clickable to view more information)

South Coast AQMD has been conducting community air monitoring in San Bernardino, Muscoy (SBM) since July 1st, 2019 as part of their [AB 617 program](#). The air monitoring strategies, including locations and types of pollutants monitored were determined through close collaboration with the Community Steering Committee (CSC) during the development of the [Community Air Monitoring Plan \(CAMP\)](#) and [Community Emission Reduction Plan \(CERP\)](#).

Fixed Air Monitoring



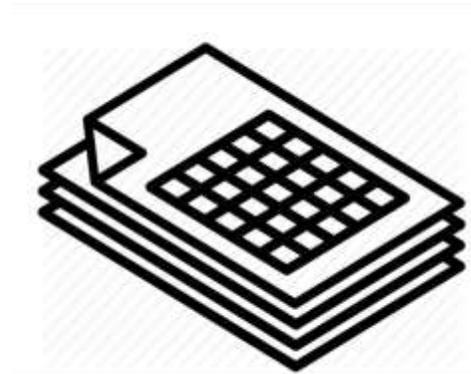
Fixed Monitoring

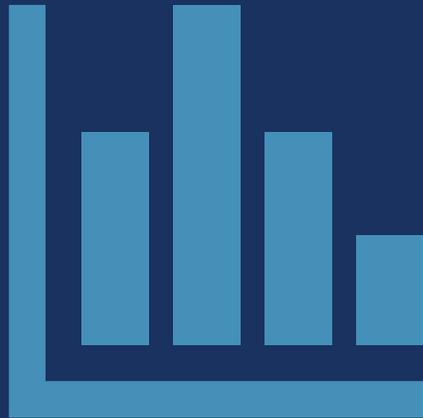
Mobile Measurements

CAMP Implementation Updates

# WHAT TO EXPECT?

- Concentration maps help identify air pollution hotspots
- Interactive dashboards allow data visualization and comparison, as well as access to air monitoring data
- Progress reports provide an update on CAMP implementation





# WHERE TO FIND THE PROGRESS REPORTS AND DATA VISUALIZATION TOOLS?

<http://www.aqmd.gov/ab617/monitoring/sbm>

# AB 617 AIR MONITORING PAGE FOR SBM COMMUNITY

Air monitoring updates for the period of June 2019 to August 2021 is now available online:

<http://www.aqmd.gov/ab617/monitoring/sbm>

Access to real-time air monitoring data

Interactive data summaries to visualize, compare and access air measurement data

Interactive air monitoring progress update

Comprehensive progress reports on air monitoring activities related to each air quality priority

Community Air Monitoring Plan (CAMP) and related documents

Language | FUND | About | Contact | Grants & Bids | Online Services | I'm Looking For | Sign Up | Search

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## San Bernardino, Muscoy Community

This page is dedicated to the San Bernardino, Muscoy (SBM) community data platform for real-time continuous measurements, interactive data summaries, air monitoring progress reports and the Community Air Monitoring Plan (CAMP).

### YOU MAY ALSO LIKE ...

**About**  
The South Coast AQMD believes all residents have a right to live and work in an environment of clean air and is committed to undertaking all necessary steps to prote...

**Contact**  
Contact information.

**Careers**  
Current employment opportunities at South Coast AQMD

**Jurisdiction**  
Cities in South Coast AQMD's jurisdiction

#### Air Monitoring Data Display

- Real-time Continuous Measurements

#### Interactive Data Summaries

- Time-Integrated Air Monitoring Data Dashboard *New!*
- Continuous Air Monitoring Trends Analysis Dashboard *New!*

#### Community Air Monitoring Plan (CAMP) Implementation Update

- Air Monitoring Progress Report (Story Map) *New!*

#### Progress Reports

- Neighborhood Truck Traffic *August 2020*
- Railyards *August 2020*
- Omnitrans Bus Yard *August 2020*
- Warehouse On-site Emissions *August 2020*
- Concrete Batch Plants, Asphalt, and Aggregate Plants *August 2020*
- Schools, Childcare Centers, Community Centers, and Homes *August 2020*

#### Community Air Monitoring Plan (CAMP)

The main purpose of this Community Air Monitoring Plan (CAMP) is to summarize the proposed air monitoring activities for addressing the major air quality concerns identified by the Community Steering Committee (CSC) in San Bernardino, Muscoy (SBM) and provide information supporting the Community Emission Reduction Plan (CERP). South Coast AQMD is seeking input from the CSC and members of the public to revise and improve the CAMP. This document has been submitted to the California Air Resource Board (CARB) as per the "Community Air Protection Blueprint".

- Main Document (PDF)
- Appendices (PDF)
- Quality Assurance Project Plan (PDF)

# Q&A

- Comments, Questions, Concerns?

Please contact:  
Payam Pakbin  
[ppakbin@aqmd.gov](mailto:ppakbin@aqmd.gov)  
909-396-2122



# FUTURE AGENDA ITEMS & CSC MEMBER UPDATES

## Future Agenda Items & CSC Member Updates

PUBLIC COMMENT / COMENTARIO PÚBLICO

[AB617comments@aqmd.gov](mailto:AB617comments@aqmd.gov)

**THANK YOU / GRACIAS**

**For more information, questions, or suggestions after this meeting:  
Para más información, preguntas o sugerencias después de esta reunión:**

**Daniel Wong**

Senior Public Information Specialist  
Legislative, Public Affairs & Media  
South Coast Air Quality Management District

[dwong@aqmd.gov](mailto:dwong@aqmd.gov)