

# AB 617: SAN BERNARDINO / MUSCOY

CO-HOSTS:  
ANGIE BALDERAS (IREN)  
DANIEL WONG (SOUTH COAST AQMD)

# RESIDENT TESTIMONIAL

**Valerie Dobesh**

**Resident of San Bernardino**

# CARB BOARD MEETING RECAP

**Ada Trujillo**

**Resident of San Bernardino**

# CERP & CAMP IMPLEMENTATION

UPDATE – 4<sup>TH</sup> QUARTER 2020

San Bernardino, Muscoy  
December 10, 2020

ROBERT DALBECK  
AIR QUALITY SPECIALIST

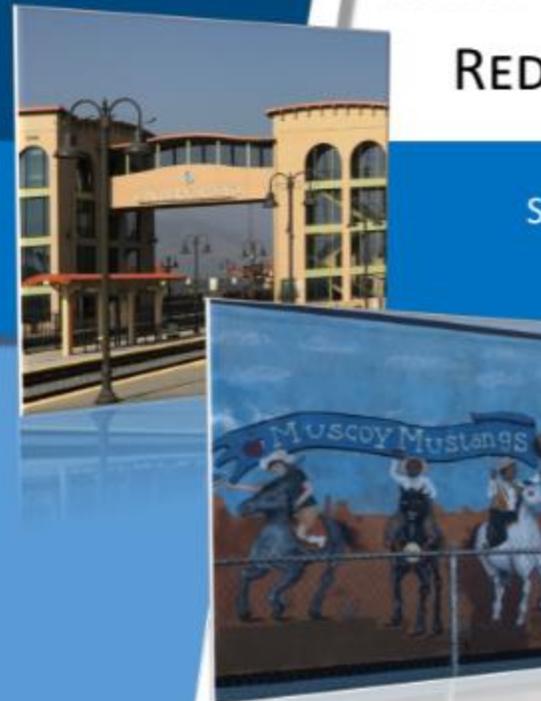
ASSEMBLY BILL (AB) 617  
COMMUNITY AIR INITIATIVES

## COMMUNITY EMISSIONS REDUCTION PLAN

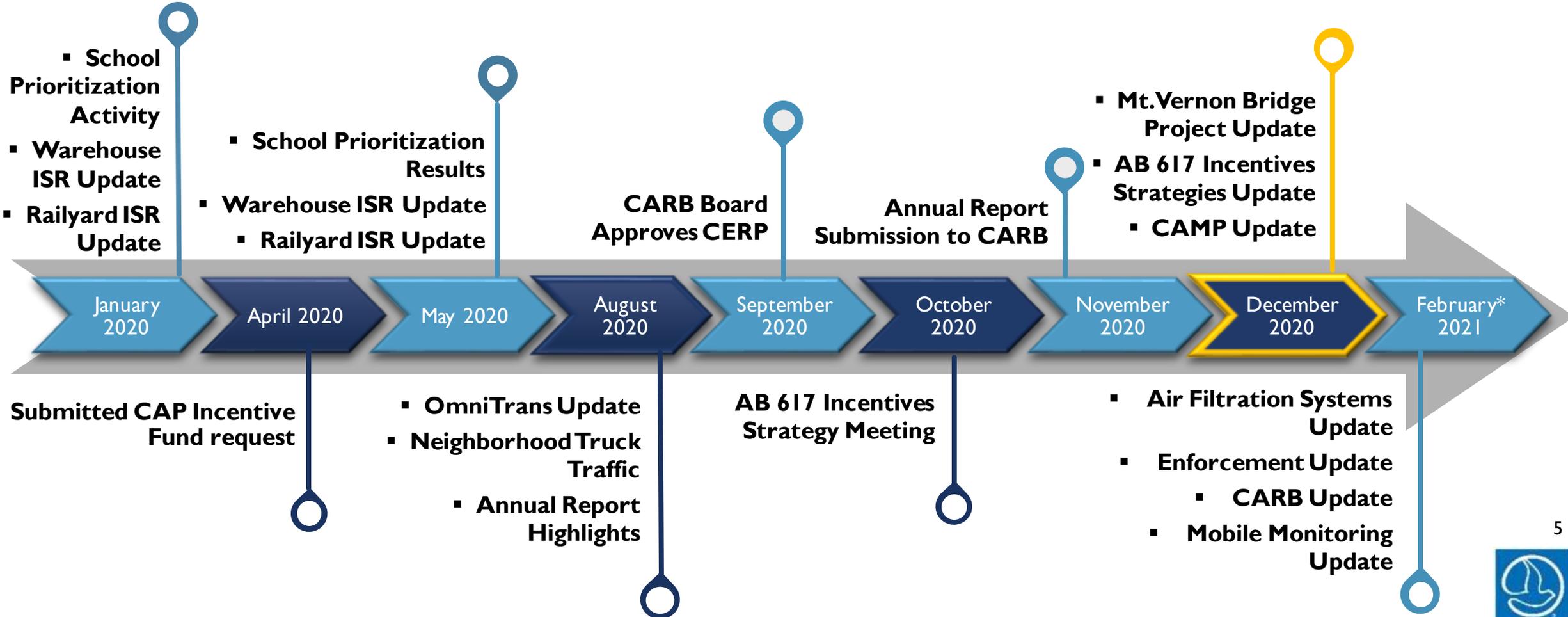
SAN BERNARDINO,  
MUSCOY

JULY 2019 DRAFT

SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT



# CERP AND CAMP IMPLEMENTATION



\*Agenda topics may change based on CSC input

# AGENDA



- Mt. Vernon Bridge Project Update – San Bernardino County Transportation Authority (SBCTA)
- Incentives Strategy Update and Discussion
- CAMP Implementation Update
- 2021 CSC Membership

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Questions?  
*¿Preguntas?*

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

# MT. VERNON BRIDGE PROJECT UPDATE

## **San Bernardino County Transportation Authority (SBCTA)**

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Questions?  
*¿Preguntas?*

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

# AB 617 Incentives Strategy

**Tom Lee**

**Program Supervisor**

**Science & Technology Advancement**



# CAPP INCENTIVE FUNDS FOR SOUTH COAST AQMD

## FONDOS DE INCENTIVOS DE CAPP PARA SOUTH COAST AQMD

### Statewide / Estatal

### South Coast AQMD

FY2017-2018  
\$250 M  
(AB 134)

Mobile sources consistent with  
Moyer and Prop 1B  
*Fuentes móviles compatibles con  
Moyer y la Prop. 1B*

\$107.5 M

Mobile sources in disadvantaged and  
low-income communities (DACs)  
*Fuentes móviles en comunidades  
desventajadas y de bajos ingresos (DAC)*

FY2018-2019  
\$245 M  
(SB 856)

Expand to stationary and  
community identified projects  
*Expandir a proyectos estacionarios  
e identificados por la comunidad*

\$85.6 M

Mobile and stationary sources in  
designated communities and DACs  
*Fuentes móviles y estacionarias en  
comunidades designadas y DAC*

FY2019-2020  
\$245 M  
(AB 74)

Guidelines from previous years  
*Guías de años anteriores*

\$79.4 M

To Be Discussed  
\*Por Discutir

# CAPP Incentives Grant (Year 3)

<b>FY 2019-20 Funds</b>	<b>Amount</b>
Total Grant Amount	\$79,431,606.99
Administrative Funds (6.25%)	\$4,964,475.44
Funds Available for Projects:	\$74,467,131.55
SB 535 Funding Target (72%)	\$53,616,334.72
AB 1550 Funding Target (80%)	\$59,573,705.24

- South Coast AQMD must submit an advance payment form with a proposed list of projects to CARB by 5/1/2021.
- These incentive funds must be fully expended by June 30, 2025.

# Guideline Requirements for Year 3 CAPP Incentives

- Carl Moyer Program 2017 Guidelines (April 27, 2017)
- Clean trucks meeting the criteria of Proposition 1B – Goods Movement Emission Reduction Program Guidelines (2015)
- Community Air Protection Incentives Guidelines (revised October 2020). Including the new Chapter 6 for stationary sources and community-identified projects
- Other incentive projects and programs included in an approved Community Emission Reduction Program (CERP)

# Grant Requirements (Cont'd)

- Zero emission projects whenever feasible, including charging/fueling infrastructure for medium and heavy-duty vehicles
- Emissions reductions in communities most impacted by cumulative pollution burden, with a focus on vehicles, equipment and infrastructure that operate in AB 617 communities selected by CARB or under consideration for future selection
- No less than 72% of the funds for projects in disadvantaged communities (72% for South Coast AQMD)
- No less than 80% of the funds for projects in AB 1550 communities
- Projects consistent with the priorities identified by the communities

# Summary of Community Input

- Public Consultation Meeting on 10/15/2020:

## Summary of Top Priorities from Breakout Rooms

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Emission Reductions Directly Benefitting the Community (with respect to community needs such as proximity to sensitive receptors)

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Zero-Emission and Near-Zero Emission Projects

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Affordability (Equitable) for Small Business Truck Owners (availability of local funds, prioritizing incentives for small companies, financial assistance)

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Focus on Projects in Communities that Received Less Funding

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Funding for Other Community-Based Projects (off-road, air filtration, tree planting, solar tech)

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Focus on Rural Projects (Agricultural projects near home and schools)

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Focus on Air Toxics Projects

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# Examples of Eligible Projects

## Carl Moyer Program

- Trucks
- Transit buses
- Refuse trucks
- Public agency/utility vehicles
- Emergency vehicles
- Construction/Ag
- Marine Vessels
- Shore Power
- Locomotives
- Cargo Handling
- Infrastructure

- **1998 – Present**
- **\$530 Million**
- **7,977 vehicles**
- **Emissions Reduced (tpy):**  
**NOx: 8,600 PM: 248**

## Prop 1B – Goods Movement Program

- Trucks
- Shore Power
- Locomotives
- Cargo Handling
- TRUs

- **2009 - Present**
- **\$486 Million**
- **7,503 vehicles/equipment**
- **Emissions Reduced (tpy):**  
**NOx: 7,285 PM: 220**

# Examples of Eligible Projects – Cont'd



Hexavalent  
Chrome

*Stationary  
Source*



Air Filtration  
Systems

*Schools*



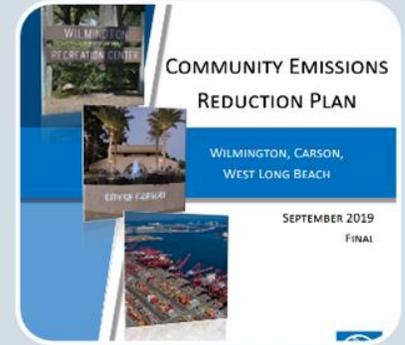
Zero-  
emission lawn  
& garden for  
schools

*Schools*



Composite  
Wood

*Schools*



Community-  
identified  
projects

# Other Community-Identified Projects

- Must be consistent with strategies identified in the CERP
- Must follow 2019 Community Air Protection Incentives Guidelines
  - New Chapter 6 for stationary source and community-identified projects (approved October 2020)
- Submit a Project Plan containing all criteria outlined in Chapter 6 (project identification, community support, eligibility requirements, funding amounts, project selection criteria and reporting requirements)
- Air districts must receive approval of the Project Plan from CARB prior to implementation
- 60 days for review/approval

# Mobile Source Project Proposals Received (2020) – Within AB 617 Communities

Proposed Projects in AB 617 Communities	Project Costs (\$)	NOx Reductions (tons/yr)	PM Reductions (tons/yr)
East Los Angeles, Boyle Heights, West Commerce (YR 1)	\$613,769	0.7	0.05
Wilmington, Carson, West Long Beach (YR 1)	\$18,517,774	66.6	1.60
San Bernardino, Muscoy (YR 1)	\$429,259	0.3	0.02
Eastern Coachella Valley (YR 2)	\$13,798,131	53.1	4.20
Southeast Los Angeles (YR 2)	\$4,403,576	2.7	0.13
<b>Total</b>	<b>\$37,762,509</b>	<b>123.4</b>	<b>6.00</b>

# Additional Mobile Source Project Proposals Received (2020) – not in AB 617 communities

Technology/Category	Project Costs(\$)	Within 5 Miles of AB 617 Community (\$)	Funding Requested by Small Businesses	NOx Reductions (tons/yr)	PM Reductions (tons/yr)
Zero Emission Projects:					
Vehicles/Equipment	\$9,948,860	\$531,266	None	19.1	0.83
Infrastructure	\$9,404,385	\$5,264,160	None	n/a	n/a
Near-Zero Emission Projects:					
Vehicles/Equipment	\$1,198,136	\$62,721	\$62,721	7.5	0
Infrastructure	\$10,597,874	\$3,249,836	None	n/a	n/a
Other projects within 5 miles of an AB 617 Community (in DAC/low-income)	\$3,837,943	\$3,837,943	\$1,793,944	38.3	2.46
<b>Total</b>	<b>\$34,987,198</b>	<b>\$12,945,926</b>	<b>\$1,856,665</b>	<b>64.9</b>	<b>3.29</b>

Note: All small business projects evaluated are included in above categories.

# SBM CERP Actions – Eligible Incentive Areas

AQ Priority	Incentive Related Components by Action
Truck Traffic and Freeways	Replace older trucks with cleaner models, , support related infrastructure
Warehouse	Support infrastructure for zero-emission trucks/vehicles, including TRU's and CHE
Omnitrans	Support efforts to accelerate the deployment of zero-emission buses and supporting infrastructure, incentive opportunities
Railyards	Zero-emission infrastructure installation Replace diesel equipment with cleaner models (work with BNSF)
Schools, Childcare Centers, Etc.	School air filtration systems and/or replacement filters Childcare center and community center air filtration systems and/or replacement filters
Schools, Childcare Centers, Etc.	Home air filtration systems
Schools, Childcare Centers, Etc.	Tree planting

# Next Steps

## Working with CSCs:

- Obtain Board approval for Mobile source projects in AB 617 communities
- Identify additional projects for funding (e.g., zero emissions, small businesses, near communities)

## For the remaining funds:

- Suggest equal distribution among the 5 communities with adopted CERPs to fund eligible projects
- These project types will require a Project Plan (within a timeframe):
  - Develop requirements for participation, project selection and funding amounts
  - Develop overall budget for each Project Plan
  - Submit Project Plan to CARB for approval

# Discussion

1. What do you think about funding the mobile source projects in the 5 communities (\$37 million)?
2. What do you think about funding the additional proposals received:

	All	Within 5 miles	Small Business
<b>Zero-emission projects</b>	a	b	(N/A)
<b>Near-zero emission projects</b>	c	d	e
<b>Other projects in disadvantaged communities near AB617 communities</b>	f	(N/A)	g

3. If we fund (1) and (2) , how do you propose the remaining funds be allocated (e.g. even split across 5 communities with adopted CERPs)?

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Questions?  
*¿Preguntas?*

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

# CAMP IMPLEMENTATION



UPDATE – 4<sup>TH</sup> QUARTER 2020

PAYAM PAKBIN, Ph.D.

PROGRAM SUPERVISOR

SINA HASHEMINASSAB, Ph.D.

AIR QUALITY SPECIALIST

# AIR MONITORING RESULTS AND REPORTS

New tool is currently under development to provide an interactive dashboard for time-integrated laboratory data

Seeking CSC input

Data visualization and access for continuous measurements at the fixed sites in near real-time

Progress report infographic on CERP air monitoring actions

Air monitoring progress reports for each air quality priority

Community Air Monitoring Plan (CAMP) and related documents

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## San Bernardino, Muscoy Community

This page is dedicated to the San Bernardino, Muscoy community data platform for near real-time measurements, the Community Air Monitoring Plan (CAMP) for this community, and data summaries and reports.

### Air Monitoring Data Display

- San Bernardino, Muscoy Community

### Air Monitoring Updates

- Air Monitoring Progress Update (English Version) *New!*
- Air Monitoring Progress Update (Spanish Version) *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*

### Data Summaries and Reports

- Not Available *Last updated 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)

### 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

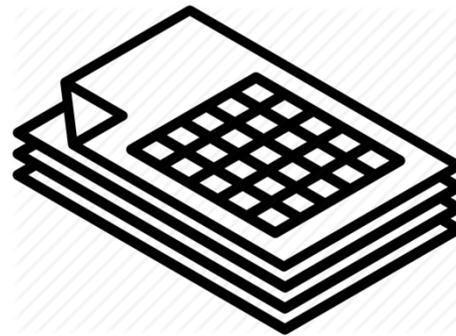
Current employment opportunities at South Coast AQMD

#### Jurisdiction

Cities in South Coast AQMD's jurisdiction

# INTERACTIVE DATA DASHBOARD

- A web-based tool to explore and visualize time-integrated and mobile monitoring data in an easily digestible way
- Click-to-filter option enables interacting with the data
- Raw data will be available for download



# Background

- Background information about:
  - ✓ Communities and monitoring stations
  - ✓ Time-integrated air quality monitoring
  - ✓ Measured chemical species at each station and the analytical methods

What other information would you like to be included?

## AB 617 time-integrated air monitoring

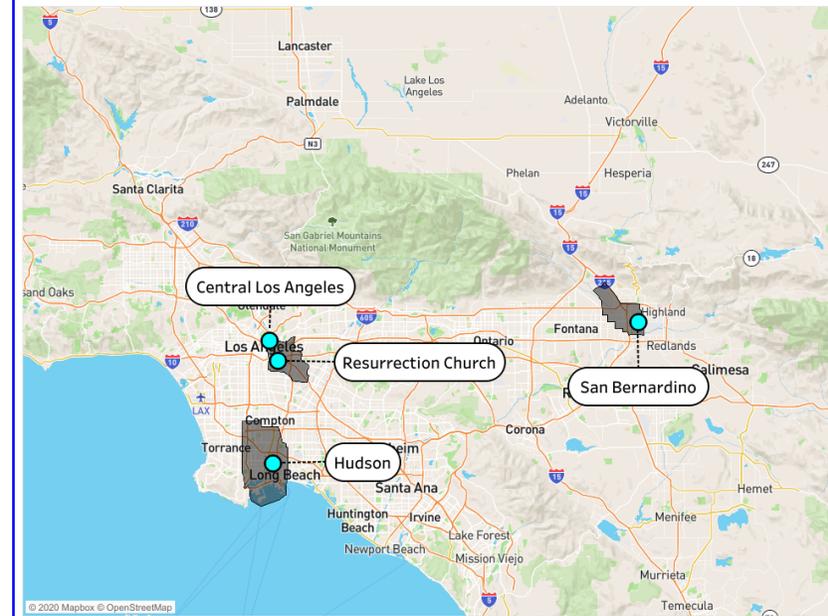
Time-integrated air monitoring was conducted at a number of stations within AB 617 communities.

AB 617 monitoring utilizes the sampling instruments and laboratory analyses that are used in established monitoring programs (i.e. U.S. EPA) and, therefore, many of the procedures and protocols for the AB 617 monitoring are based on the South Coast AQMD Quality Management Plan for Environmental Measurement Programs (Applied Science & Technology, 2009) and Quality Assurance Project Plan (QAPP) for Special Monitoring.

Hover over each site to see pollutants measured at each monitoring site.

### Reference

Applied Science & Technology. (2009). *Quality Management Plan for Environmental Measurement Programs*. Diamond Bar, CA: South Coast Air Quality Management District.



Note: This is the preliminary version of the dashboard. The final product may look different.

# Time-integrated results

- Interactive air monitoring data visualization
- Comparison of levels between different air monitoring sites/ communities
- Comparison of levels against MATES IV\* (typical ambient levels across the Basin)
- Access to raw data

\* MATES: Multiple Air Toxics Exposure Study

What other features would you like to be included?

**Step 1: Select a Community**

- ELABHWC
- SBM
- WCWLB

**Step 2: Select a Monitoring Site**

- San Bernardino

**Step 3: Select a Pollutant Category**

- PM2.5
- PM10
- VOCs

**Step 4: Select a Pollutant Subcategory**

- Toxics

**Step 5: Select a Pollutant**

- 1,2-Dibromoethane
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3-Butadiene
- 1,4-Dichlorobenzene
- 2-Butanone (MEK)
- 2-Propenal
- Acetone
- Benzene
- Bromomethane
- Carbon Tetrachloride
- Chloroform
- Ethylbenzene
- Ethylene oxide
- m+p-Xylene
- Methyl Tert Butyl Ether (MTBE)

Location of the air monitoring site

Concentration of VOCs Benzene (ppbv) at San Bernardino in SBM community

Comparison of VOCs Benzene (ppbv) measured at AB 617 monitoring sites and during MATES IV

Maximum

Upper quartile

Median

Lower quartile

Minimum

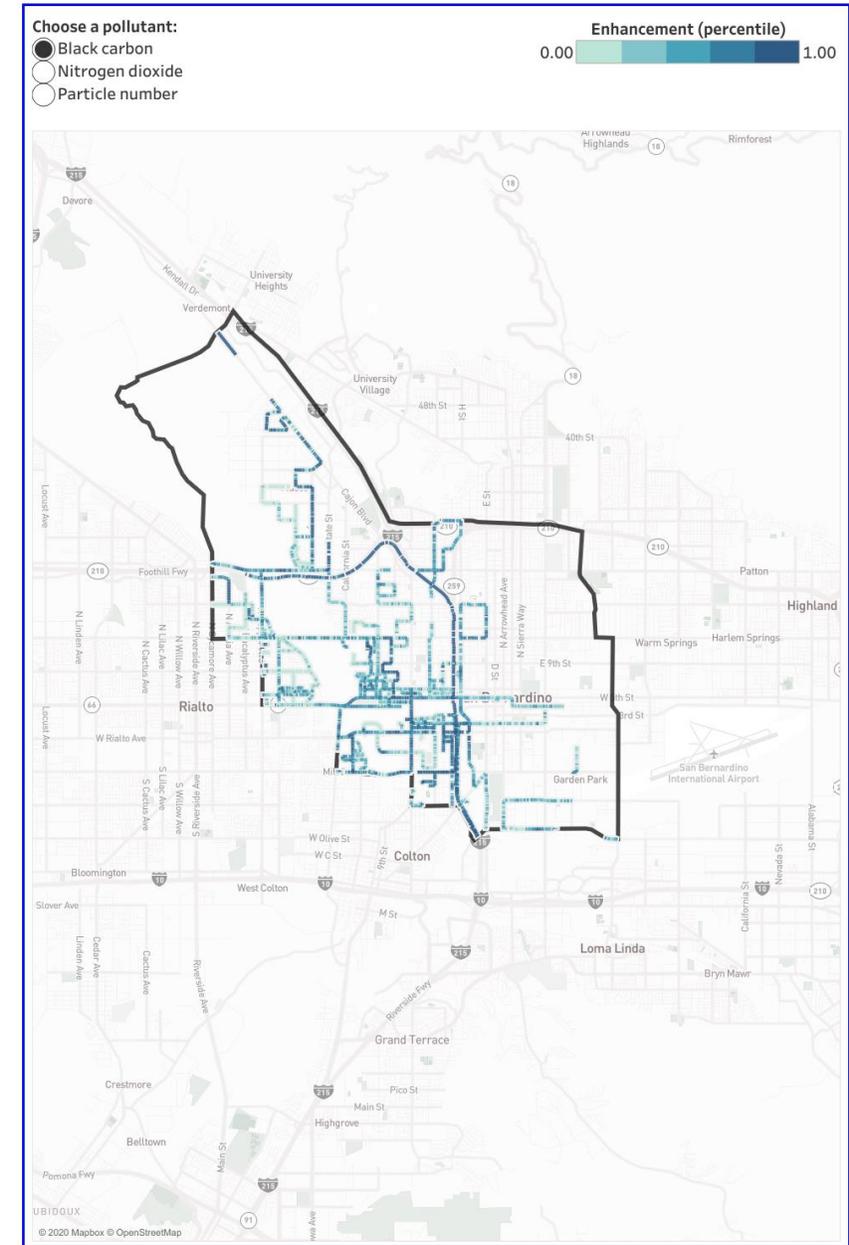
Average

Note: This is the preliminary version of the dashboard. The final product may look different.

# Mobile monitoring results

- Interactive map of mobile monitoring results
- Toggle between different measured air pollutants
- Zoom in/out and pan around

What other information/ features would you like to be included?



Note: This is the preliminary version of the dashboard. The final product may look different.

# SEEKING CSC INPUT

- Comments, Questions, Concerns?

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



# 2021 CSC MEMBERSHIP

## Current CSC Members

- No action required to continue serving as CSC Member
- Will receive an email with CSC Interest Form
  - Update contact information (if needed)
  - Appoint new member or alternate (if needed)

## New Applicants

- CSC Interest Form available at:  
<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committee-interest-form.pdf>
- Send CSC Interest Form or Questions to:  
Daniel Wong at [dwong@aqmd.gov](mailto:dwong@aqmd.gov) or 909-396-3046

# 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**

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