

# CERP & CAMP IMPLEMENTATION

UPDATE – 2<sup>ND</sup> QUARTER 2020

East Los Angeles, Boyle Heights, West Commerce  
May 28, 2020

NISH KRISHNAMURTHY, PH.D.  
AIR QUALITY SPECIALIST

ASSEMBLY BILL (AB) 617  
COMMUNITY AIR INITIATIVES

## COMMUNITY EMISSIONS REDUCTION PLAN

EAST LOS ANGELES,  
BOYLE HEIGHTS,  
WEST COMMERCE

September 2019  
Final



SOUTH COAST  
AIR QUALITY MANAGEMENT DISTRICT

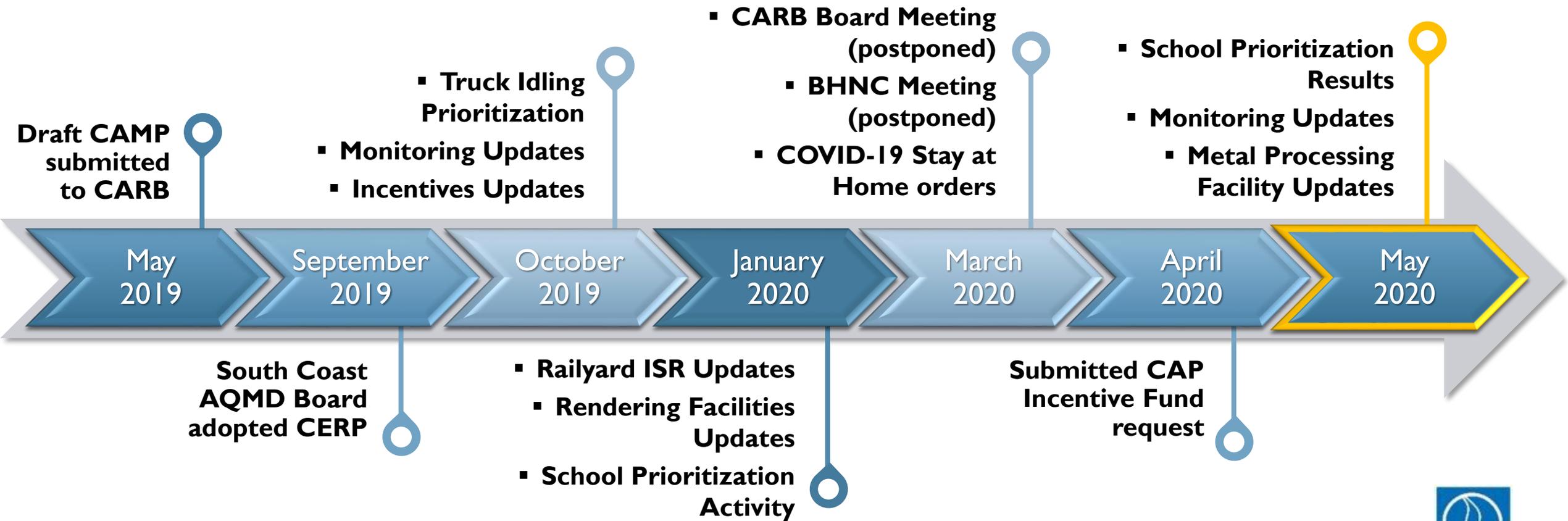


# OPENING REMARKS

- CARB Board Meeting postponed (date TBD)
- Boyle Heights Neighborhood Council General Board Meeting postponed (date TBD)
- CERP and CAMP Implementation Timeline Adjustments due to COVID-19
- CARB Staff Report for ELABHWC CERP now available at [https://ww2.arb.ca.gov/sites/default/files/2020-02/2020\\_02-24\\_ELA\\_CERP\\_Staff\\_Report\\_finalversion.pdf](https://ww2.arb.ca.gov/sites/default/files/2020-02/2020_02-24_ELA_CERP_Staff_Report_finalversion.pdf)



# CERP AND CAMP IMPLEMENTATION



# OUTLOOK

## AB 617

Connecting With Our Community



May 2020

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

Hello AB 617 community members. We hope all are safe and well during these challenging times. The health and safety of our communities remains our top priority, and we are actively monitoring developments locally and regionally. The purpose of this newsletter is to provide updates about the AB 617 program and related resources for our communities. South Coast Air Quality Management District (South Coast AQMD) is sensitive to the ongoing challenges currently facing our communities due to COVID-19. 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>.

More information on all operational changes as part of the COVID-19 response can be found by visiting our response page. Learn more here <http://www.aqmd.gov/COVID-19>.

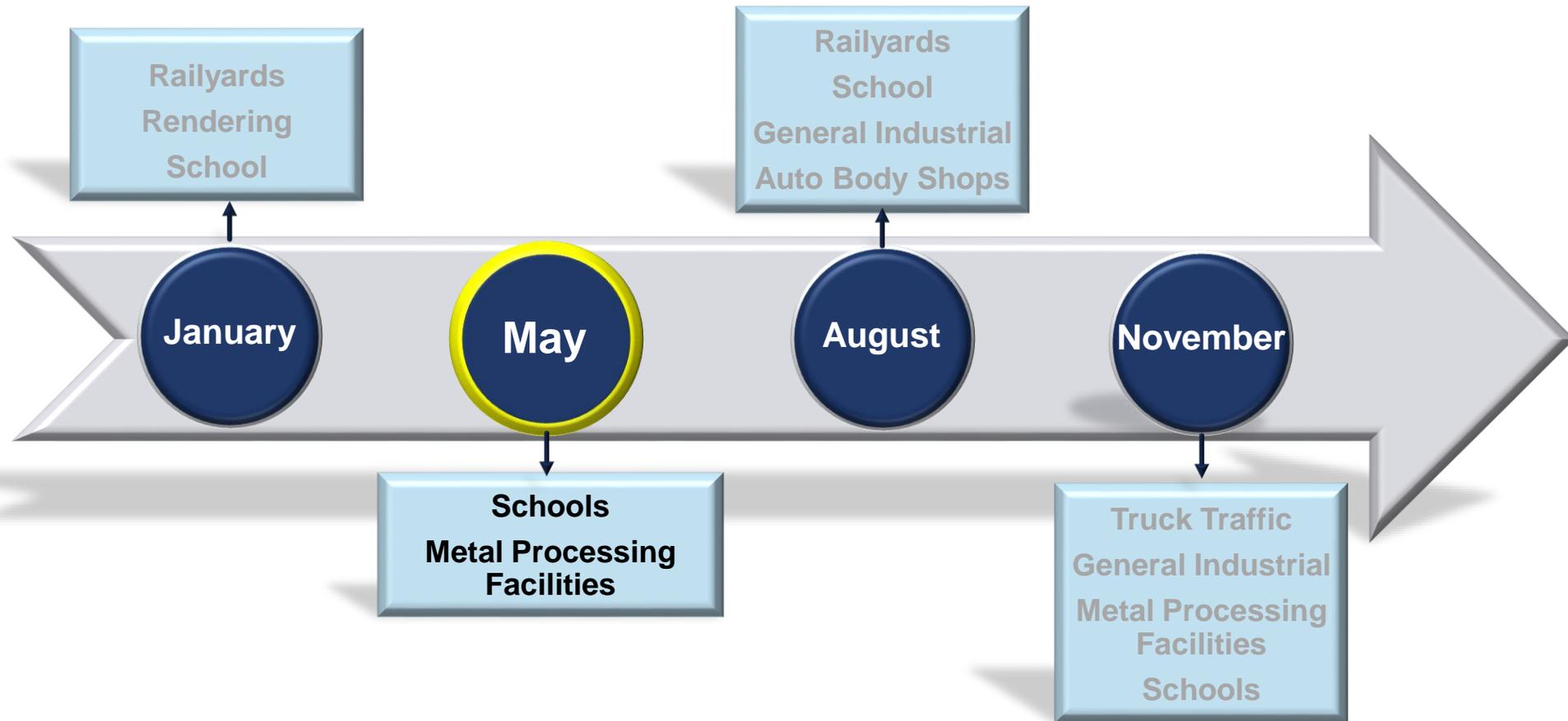
We look forward to continuing to update the Community Steering Committees during this time of crisis for us all.

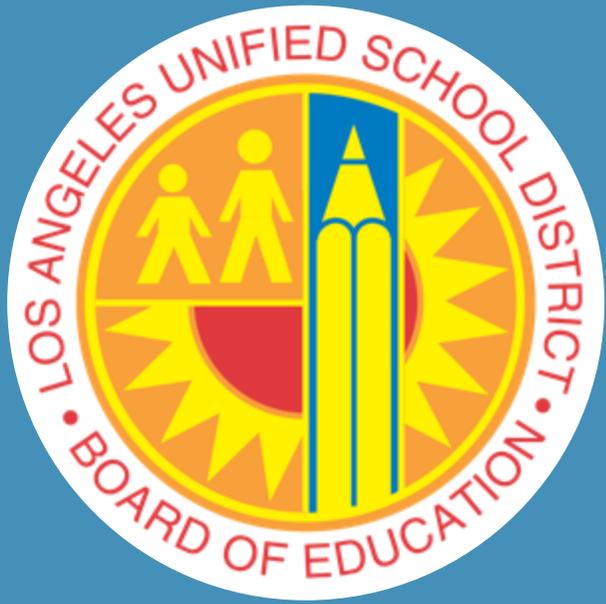
See you at our next CSC meeting on: **May 28, 2020, 4:00 p.m.-6:00 p.m.**  
<https://scaqmd.zoom.us/j/93891709735> Zoom ID: 938 9170 9735  
Teleconference Dial In: +1 669 900 6833  
Spanish Meeting ID: 937 9466 3910  
English Meeting ID: 938 9170 9735

--South Coast AQMD AB 617 Team

- Continue to implement the CERP adopted by South Coast AQMD Board (September 2019) and CAMP
- Virtual Quarterly CSC Meetings (until further notice)
  - CSC input to guide CERP and CAMP implementation efforts
- E-Newsletter Announcements
  - Provide CERP and CAMP implementation updates to the CSC between quarterly meetings
- Track and record CERP and CAMP progress in annual reports (September 2020)

# 2020 CSC QUARTERLY UPDATE SCHEDULE





# SCHOOL PRIORITIZATION ACTIVITY RESULTS AND RELATED UPDATES

# SCHOOL PRIORITIZATION ACTIVITY: METHODOLOGY

## Criteria for Prioritizing Schools

- Staff gathered input from the CSC on the criteria and its order of importance at January meeting

## Schools Prioritized

- Based on the CSC input staff assembled a list that:
  - Prioritizes schools
  - Estimates the cost to fund air filtration systems for schools

## Funding and Outreach Efforts

- Staff has requested AB 617 funds to support school filtration systems
- Staff will continue work with the CSC to:
  - Identify additional funding sources
  - Provide outreach to schools

# SCHOOL PRIORITIZATION ACTIVITY: CRITERIA

1



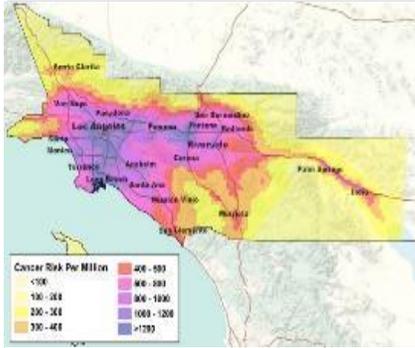
Schools Near Air Pollution Sources  
(e.g., freeways & trucks, industrial facilities, railyards)

4



Traffic Data  
(for nearby Freeways and Highways)

2



Multiple Air Toxics Exposure Study (MATES) IV

5



School Characteristics  
(e.g., grade level, FRPM, student population)

3



CalEnviroScreen3.0  
(i.e., pollution burden and population data)

1. Highest priority for preschools, followed by elementary, middle, then high schools
2. Higher priority for schools with higher percent of students enrolled in free or reduced-price meal program
3. Higher priority for schools with more students

# SCHOOL PRIORITIZATION ACTIVITY: LIST

**These 10 schools have been prioritized for air filtration system installation**

School	School Type
Excelencia Charter Academy	Elementary School
Arts in Action Community Charter and Arts in Action Community Middle School	Elementary and Middle School
Soto Head Start Preschool	Preschool
Endeavor College Preparatory Charter	Elementary School
Park Place Head Start	Preschool
Extera Public School No. 2	Elementary School
PUENTE Learning Center and PUENTE Charter	Preschool and Elementary School
Oscar De La Hoya Animo Charter High	High School
MAOF Child Care Center - Telegraph	Preschool
YMCA Montebello-Commerce Preschool and Rosewood Park Elementary	Preschool and Elementary School

**The entire prioritized list is provided in a separate handout**

*\*Installation at schools further down the list will be dependent on the availability of additional funding*

# SCHOOLS: FUNDING EFFORTS

- April 2020, staff requested CARB allocate ~ \$2 million in Community Air Protection (CAP) incentive funds for school air filtration system projects in East Los Angeles, Boyle Heights, West Commerce
- Staff will focus on schools in order of priority established by the CSC
- Next steps require:
  - Allocation of CAP funds by CARB, and
  - Staff to work with schools to initiate the installation of air filtration systems

# SCHOOLS: OUTREACH ACTIVITIES

- Why Healthy Air Matters (WHAM) is South Coast AQMD's high school STEM-based program educating students about air quality
  - Curriculum combines education with hands-on learning
- Over a dozen recent WHAM events held in ELABHWC schools, including:

School	Dates
Boyle Heights STEM High	1/23/20, 1/30/20, 2/13/20, 2/20/20, 2/27/20, 3/5/20
James A. Garfield High	11/19/19, 1/23/20
Roosevelt High – Math, Science, and Technology Magnet	1/21/20, 1/24/20, 1/30/20



# DISCUSSION

***Comments, Questions, Concerns?***

Resurrection Church Monitoring Station



Central Los Angeles Monitoring Station



# AIR MONITORING UPDATES

PAYAM PAKBIN, PH.D.

PROGRAM SUPERVISOR



# ONGOING AB 617 AIR MONITORING ACTIVITIES

## Fixed Monitoring

- Central Los Angeles Monitoring Station
- Resurrection Church Monitoring Station

## Mobile Monitoring

- Area Wide and Targeted Surveys

## Investigative Monitoring

- Air Toxic Metals Emissions Investigations (Monitoring and Facility Inspections)

# BASELINE MEASUREMENTS AT RESURRECTION CHURCH MONITORING STATION

## Pollutants Measured

### Continuous:

- Black carbon
- Ultrafine particles
- Methane
- H<sub>2</sub>S
- NO, NO<sub>2</sub>, NO<sub>x</sub>

### Time-integrated:

- Metals

## Data Access

### South Coast AQMD AB 617 Data Display Tool

<https://www.aqmd.gov/ab617-data-display-tool>

### CARB Community Air Quality Portal

<https://ww2.arb.ca.gov/community-air-quality-portal>

## Next Steps...

- Data summaries and reports will become available on the AB 617 website
- Baseline measurements require one full year of measurements



## EAST LOS ANGELES, BOYLE HEIGHTS, WEST COMMERCE AB 617 COMMUNITY AIR MONITORING UPDATES JUNE 2019 TO MARCH 2020

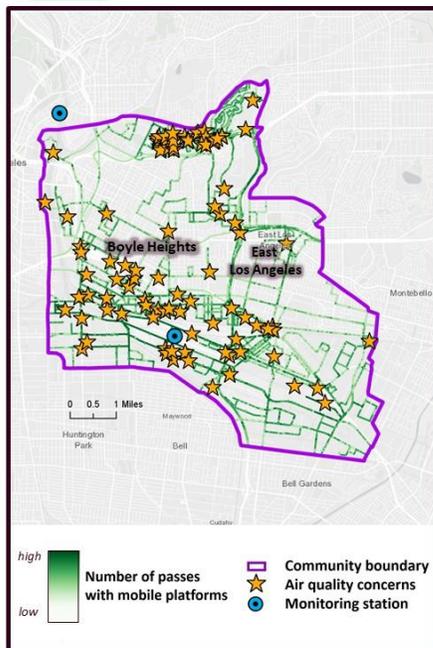
South Coast  
AQMD

South Coast AQMD staff updates on the implementation of the East Los Angeles, Boyle Heights, West Commerce Community Air Monitoring Plan (CAMP) are provided below.

**7/7** air quality priorities surveyed

**13** community surveys

**577** miles traveled with the mobile platforms



To be Initiated Ongoing

### Neighborhood/Freeway Truck Traffic

- Mobile monitoring in the areas of traffic concern to identify pollution hotspots
- Work with California Air Resources Board and community to identify and prioritize locations for Automated License Plate Readers (ALPRs)

### Railyards

- Fenceline and/or mobile monitoring around railyards
- Air monitoring in communities near the railyards

### Rendering Facilities

- Mobile monitoring of Volatile Organic Compounds (VOCs) near each identified rendering facility

### General Industrial Facilities

- Mobile monitoring to identify facilities responsible for fugitive dust and odor emissions

### Metal Processing Facilities

- Mobile and stationary monitoring near metal processing facilities of potential concern
- Identification and prioritization of facilities that may require additional compliance investigation or follow up

### Auto Body Shops

- Mobile monitoring near autobody shops

### Sensitive Receptors

- Mobile and stationary monitoring at or near sensitive populations in schools, childcare centers and homes

\*Last updated May 2020



@SouthCoastAQMD

For more information, please visit AB 617 website: [www.aqmd.gov/ab617](http://www.aqmd.gov/ab617)

# CAMP IMPLEMENTATION UPDATES

Air monitoring update infographic for the period of June 2019 to March 2020 is now available online:

<http://www.aqmd.gov/ab-617/CAMP/infographics/ELABHWC>



# DISCUSSION

- Comments, Questions, Concerns?

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





# METAL PROCESSING FACILITIES

PAYAM PAKBIN, PH.D. - PROGRAM SUPERVISOR

NISH KRISHNAMURTHY, PH.D. - AIR QUALITY SPECIALIST



South Coast  
AQMD

# CERP COMMITMENTS

- Chapter 5d, Action 1

Identify sources of high toxic metal emissions



If elevated levels of toxic metals persist, perform follow up actions



Determine if enforcement actions are needed



# AB 617 AIR MONITORING APPROACH TO SATISFY CERP COMMITMENTS

## Air Monitoring Approach to Support Emissions Reduction Strategies for Metal Processing Facilities

- Mobile monitoring near metal processing facilities
- Identification of air pollution hotspots

### Area Surveys

### Source Identification

- Support efforts to identify potential sources of emissions

- Investigative monitoring
- Facility inspections

### Enforcement

If potential source of emissions are identified

If pollution hotspots are detected

# ONGOING AIR TOXIC METALS MONITORING

Baseline  
Monitoring

Mobile  
Measurements

Investigative  
Monitoring



## Central Los Angeles Site

Long-term time-integrated metals measurements



## Resurrection Church Site

Time-integrated metals measurements

Continuous near real-time metals measurements

*Began in February 2020*

# ONGOING AIR TOXIC METALS MONITORING

Baseline  
Monitoring

Mobile  
Measurements

Investigative  
Monitoring

**Proof of  
Concept Project**

*Community surveys in June  
and November 2019*

**Development of  
Multi-Metals Mobile  
Platform**

First of its kind!  
*ongoing*



# ONGOING AIR TOXIC METALS MONITORING

Baseline  
Monitoring

Mobile  
Measurements

Investigative  
Monitoring

## Facility Monitoring

Filter-based monitoring  
near target facility

*Began November 2019\**

*\*currently suspended due to lockdown*



## Facility Inspections and Enforcement Actions

*ongoing*

# DISCUSSION

- Comments, Questions, Concerns?

Please contact:  
Payam Pakbin  
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909-396-2122



# METAL PROCESSING FACILITIES – CERP COMMITMENTS

## ■ Chapter 5d, Action 1

Identify sources of elevated levels of toxic metal emissions and determine if additional actions (e.g., focused enforcement and rule development) are needed



## ■ Chapter 5d, Action 2

Pursue incentive funding to reduce emissions from metal processing facilities



Provide training and outreach to facility operators on best management practices and South Coast AQMD rules



# METAL PROCESSING FACILITIES: RULE 1480

- Rule 1480 is an air monitoring and sampling rule for toxic metal contaminants (TACs)
  - Rule was adopted in December 2019
  - Developed at community's request
- Rule 1480 focuses on metal TACs that:
  - Can cause serious health effects
  - Can impact residences and other sensitive groups



# METAL PROCESSING FACILITIES: RULE 1480

## GENERAL APPROACH



South Coast  
AQMD conducts  
ambient  
monitoring and  
sampling

If elevated  
levels, South  
Coast AQMD  
investigates  
to identify  
the facility or  
source

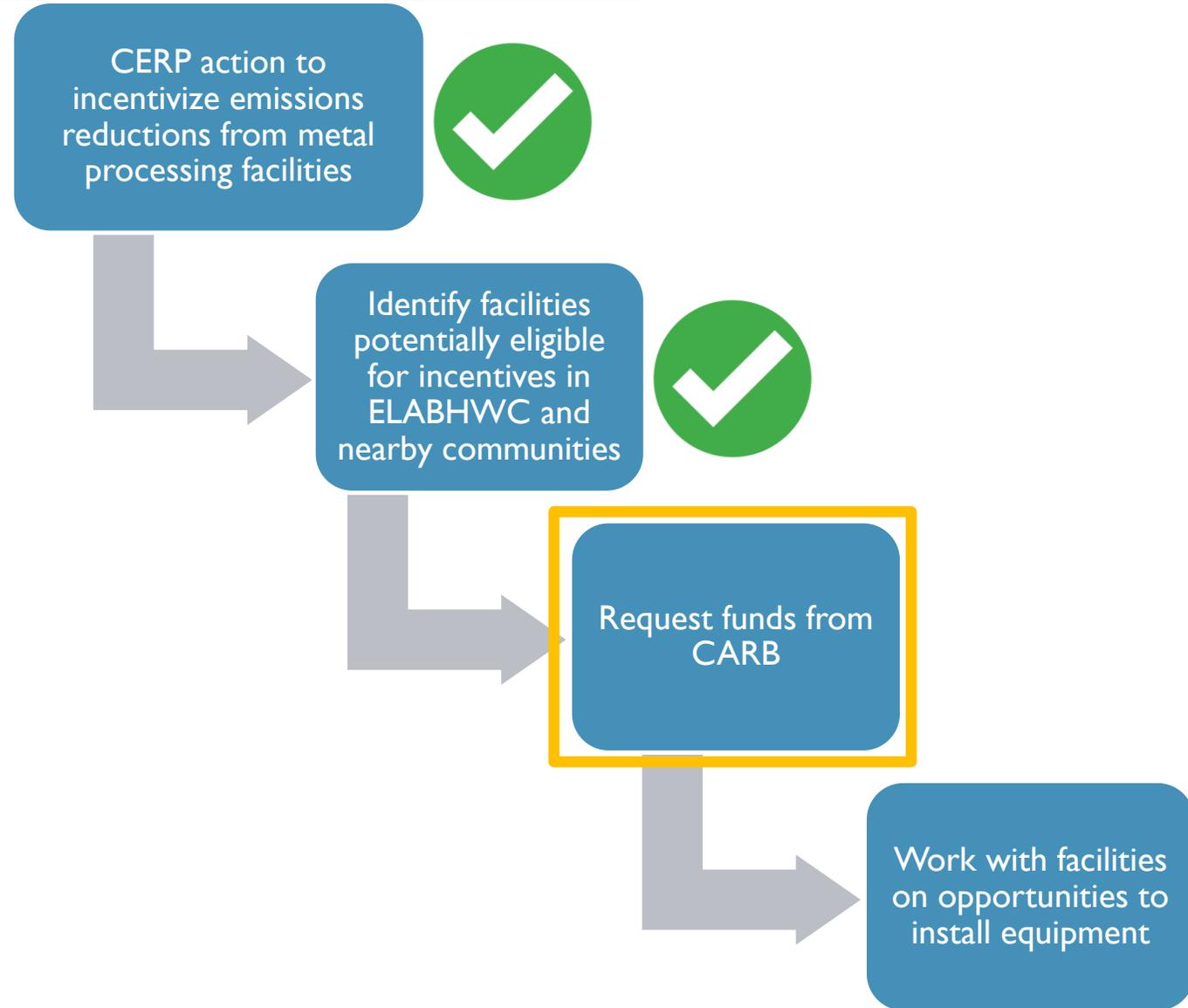
If designation criteria  
is met, facility must:  
Conduct monitoring  
and sampling;  
OR  
Pay fee and South  
Coast AQMD  
conducts monitoring

If facility cannot  
be designated  
under 1480,  
South Coast  
AQMD may  
continue  
monitoring and  
sampling

## METAL PROCESSING FACILITIES: FUNDING EFFORTS

- April 2020, staff requested CARB allocate ~ \$1.5 million in CAP funds for metal processing facility control or conversion projects in ELABHWC
- Project types include:
  - Emissions control device projects (e.g., installation of HEPA filters)
  - Conversion projects (i.e., switch from Cr6+ to Cr3+ processes at chrome plating facilities)
- Projects will reduce emissions beyond existing standards

# METAL PROCESSING FACILITIES: INCENTIVE FUNDS NEXT STEPS



# METAL PROCESSING FACILITIES: COMPLIANCE AND OUTREACH ACTIVITIES



## Compliance

- Compliance activities conducted at ELABHVC metal processing facilities since September are:
  - Inspections
  - Surveillance, and
  - Responses to facility notifications
- Outcome of compliance activities
  - 2 Notices to Comply issued
  - 1 Notice of Violation issued
  - All issues resolved



## Outreach

Staff is identifying outreach opportunities and will provide additional information in the upcoming newsletter

# DISCUSSION

***Comments, Questions, Concerns?***