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# CERP AND CAMP: NEXT STEPS

SOUTHEAST LOS ANGELES QUARTERLY UPDATE #1  
JANUARY 28<sup>TH</sup>, 2021



Dianne Sanchez, Ph.D. - Air Quality Specialist

# SOUTH COAST AQMD CERP ADOPTION

- CERP was unanimously adopted by South Coast AQMD Governing Board on December 4, 2020
- CERP will be submitted to the CARB Board for final approval



# CERP IMPLEMENTATION

Partnerships are key for a successful CERP implementation

CSC involvement and input is critical

**Thank you for  
your continued commitment!**



# CERP IMPLEMENTATION – ROLE OF THE CSC



## Further Develop CSC Emission Reduction Strategies

- Metal Processing Facilities
- General Industrial Facilities



## Collaborate with South Coast AQMD on CERP Implementation

- Prioritize locations for vegetative buffers
- Prioritize schools for air filtration systems



## Collaborate with CARB on CERP Implementation

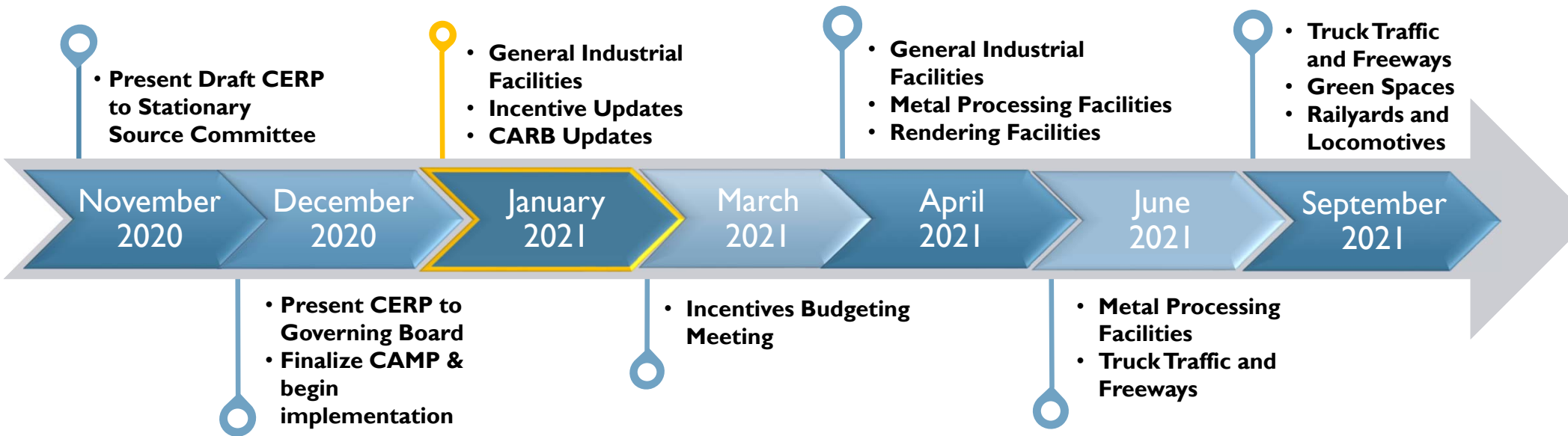
- Participate in Community Pollution Enforcement Workgroup
- Participate in Catalytic Converter Theft Deterrence Program



## Participate in Rule Development Process

- CARB railyard and locomotives related rules
- South Coast AQMD metals rules

# TENTATIVE CERP AND CAMP UPDATES TIMELINE



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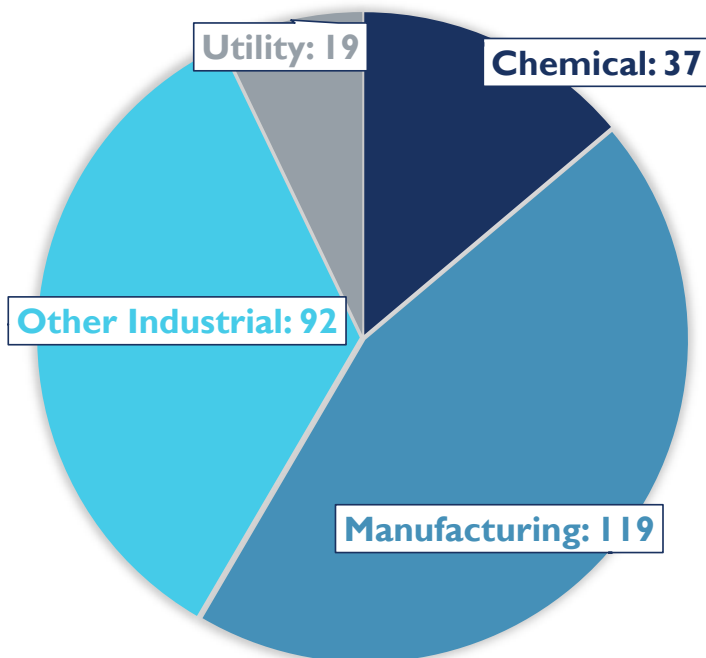
QUESTIONS OR COMMENTS?



# CERP UPDATES: AQ PRIORITY GENERAL INDUSTRIAL FACILITIES

# AIR QUALITY PRIORITY – GENERAL INDUSTRIAL FACILITIES

## General Industrial Facilities in SELA



- Staff presented overview of the General Industrial Facilities AQ priority during CSC Meeting #6 on September 2020
- CERP Chapter 5g includes actions to work with CSC to identify facilities of concern and prioritize emissions sources to identify:
  - Potential air monitoring
  - Emissions and exposure reduction measures
  - Opportunities to use incentive funds



# GENERAL INDUSTRIAL FACILITIES – SUMMARY OF FEEDBACK RECEIVED

## General Comments

- Industrial facilities along Alameda Corridor
- Solvents and VOC emissions
- Waste transfer stations

## Oil & Gas

- Facilities on Garfield near Firestone
- Odors near Garfield & Eastern intersection

## Glass

- Glass processing along corridor

## Chemical

- Facilities near Otis & Ardmore intersection

## Fugitive Dust

- Glass crushing
- Construction sites

## Wood

- Wood-burning odors near the I-105 & I-710 interchange

## Autobody Shops

# GENERAL INDUSTRIAL FACILITIES – EMISSIONS DATA

SELA General Industrial Emissions in Tons/Year

	VOC			PM10			PM2.5			Types of Equipment
	2018	2025	2030	2018	2025	2030	2018	2025	2030	
Chemical	63	72	76	17	19	20	16	18	19	Storage Tanks Heaters/Burners Blending Tanks
Food and Agriculture	10	9	9	1	1	1	1	0	0	Spray Booths
Wood and Paper	12	14	14	65	74	78	40	45	47	Ovens Blending Tanks
Mineral	16	12	12	33	30	31	21	19	20	Paint Spray Booth
Other	87	89	91	28	26	27	22	21	22	Thermal Oxidizers for VOCs Boilers for Steam

Please see SELA CSC Meeting #6 Slides for a review of General Industrial Facilities in SELA:

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/southeast-los-angeles/presentation-sept17-2020.pdf>

# GENERAL INDUSTRIAL FACILITY TYPE PRIORITIZATION

CSC will identify and prioritize specific facilities of concern



Staff will present compliance history, air monitoring data, emissions data, and/or other data available on specific facilities



CSC and staff will discuss potential emissions reductions strategies

## Today's Identification Activity

- Please fill out the worksheet online to provide your top facilities of concern and other details
- During the next quarterly meeting, staff will provide further details about the feedback received

***Please submit your worksheets to [ab617@aqmd.gov](mailto:ab617@aqmd.gov) by 5:00 pm February 11, 2021***

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QUESTIONS OR COMMENTS?

# AB 617 Incentives Strategy – Year 3 CAPP Incentives

**Tom Lee**

**Technology Implementation Program Supervisor**

# CAPP INCENTIVE FUNDS FOR SOUTH COAST AQMD

## Statewide

## South Coast AQMD

FY2017-2018  
\$250 M  
(AB 134)

Mobile sources  
consistent with Moyer  
and Prop 1B

\$107.5 M

Mobile sources in  
disadvantaged and low-income  
communities (DACs)

FY2018-2019  
\$245 M  
(SB 856)

Expand to stationary  
and community  
identified projects

\$85.6 M

Mobile and stationary sources  
in designated communities  
and DACs

FY2019-2020  
\$245 M  
(AB 74)

Guidelines from  
previous years

\$79.4 M

To Be Discussed

## 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

# 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*



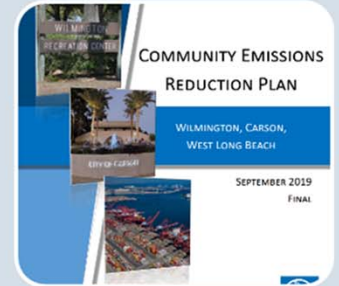
Zero-  
emission lawn  
& garden for  
schools

*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 Projects in AB 617 Communities (Approved January 2021)

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>

\* The remaining balance of Year 3 CAPP incentives is approximately \$36.7 million in project funds.

# 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
Other Projects (within 5 miles of an AB 617 Community and Marine Vessels)	\$3,952,253	\$437,087	\$160,951	32.2	1.18
<b>Total</b>	<b>\$23,305,498</b>	<b>\$6,232,513</b>	<b>\$160,951</b>	<b>51.3</b>	<b>2.01</b>

# SELA CERP Actions – Eligible Incentive Areas

AQ Priority	Incentive Related Components by Action
Truck Traffic and Freeways	Replace older trucks with cleaner models (ZE where commercially available), support related infrastructure. Focus on small business, local fleets
Truck Traffic and Freeways	School air filtration systems and/or replacement filters at schools near truck emissions
Railyards	Zero-emission infrastructure installation Replace diesel equipment with cleaner models
Green Spaces	Urban greening projects, increasing tree canopy
Green Spaces	Vegetative buffers near freeways, especially I-710
Metal Facilities	Emission reductions at metal facilities (based on process laid out in CERP)

# 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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## Next Steps

Timing	Action
Today	Discuss how to allocate this year's remaining incentive funds (\$36.7M)
March	SELA Incentives Budgeting Workshop to identify specific projects recommended for this year's funds
May	Submit Grant Distribution Request letter to CARB
2 <sup>nd</sup> half 2021	Develop incentive project details for SELA

Does the CSC have any input on the use of this year's AB 617 incentive funds (~ \$36.7M)?

- Split incentive funds equally across five AB 617 communities (\$7.3 M per community)
- Fund proposals outside of AB 617 communities
- Other options and considerations



# CAMP IMPLEMENTATION UPDATES

PAYAM PAKBIN, Ph.D.  
PROGRAM SUPERVISOR

# CAMP IMPLEMENTATION UPDATE



CAMP implementation began in December 2020 with two mobile surveys in SELA



South Coast AQMD is in the process of establishing a monitoring station in SELA



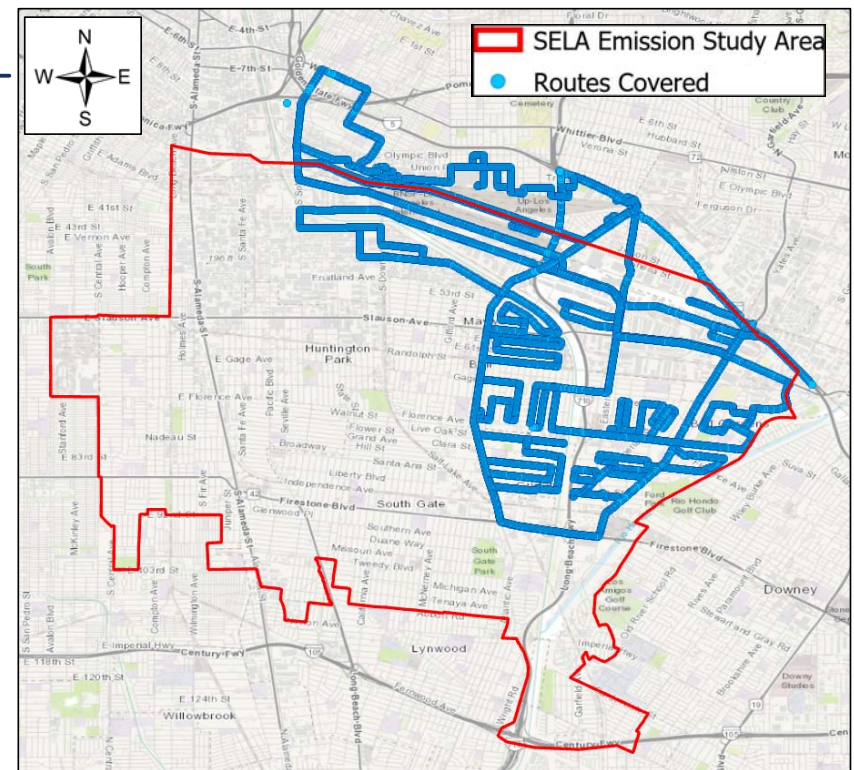
South Coast AQMD is seeking CSC input on the proposed baseline measurements

# CAMP IMPLEMENTATION – MOBILE MEASUREMENTS

## Purpose How Air Monitoring Can Help

- Identify areas with high air pollution levels
- Help assess community impact

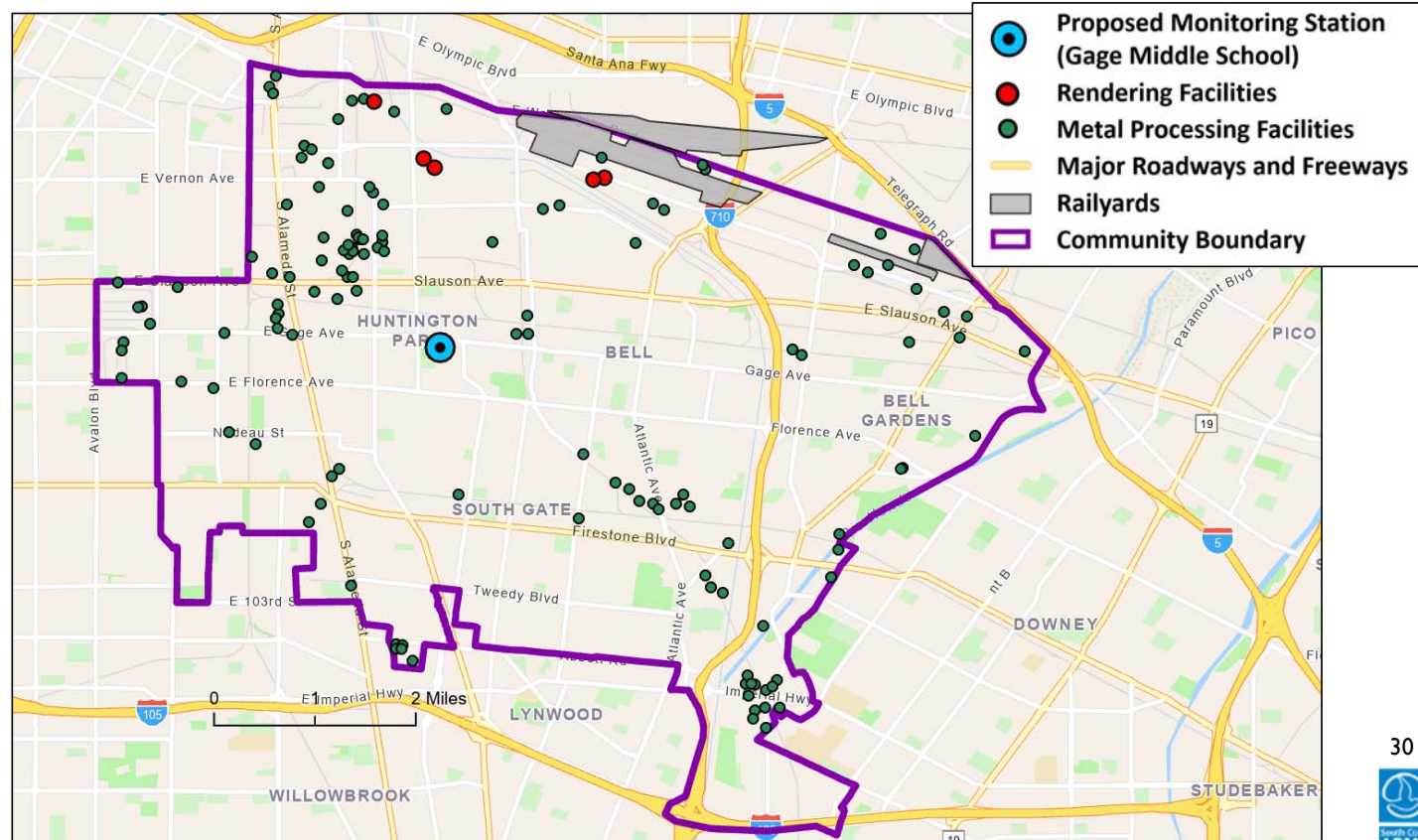
This mobile platform can measure pollutants associated with diesel exhaust emissions (PM<sub>2.5</sub>, NO<sub>2</sub>, black carbon)



# CAMP IMPLEMENTATION – BASELINE MEASUREMENTS

Seeking CSC Input  
on the proposed  
baseline  
measurements

Purpose: to provide  
information about  
general air quality  
conditions in the  
community and track  
the progress of emission  
reduction strategies



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# REFINING THE AIR MONITORING STRATEGIES TO ADDRESS GENERAL INDUSTRIAL AIR QUALITY PRIORITY



AO Priority: General Industrial

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- Air monitoring equipment is designed to measure one or more specific air pollutants or class of air pollutants
  - “General Industrial” consists of a wide variety of facilities that emit different types of pollutants
  - In order to select the appropriate air monitoring strategy, the pollutants of interest must first be identified
  - Pollutants of interest can be identified based on CSC input that is gathered as part of today’s meeting:

- Facilities of concern
- Specific operations of concern
- Pollutants of interest

# DISCUSSION

- Comments, Questions, Concerns?

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





# AB 617 - SELA

COMMUNITY STEERING COMMITTEE

QUARTERLY MEETING #1

VIRTUAL MEETING

Gina Triviso  
Senior Public Information Specialist



# SELA CSC MEMBERSHIP UPDATE



Partnerships are key for a  
successful CERP  
implementation

CSC involvement  
and input is critical

**Thank you for  
your continued commitment!**

# AB 617 – 2021 COMMUNITY STEERING COMMITTEE SCHEDULE (SELA)

<b>January 28, 2021</b>	Community Steering Committee Meeting Virtual Meeting 4:00 – 6:00 pm	<b>June 17, 2021</b>	Community Steering Committee Meeting Virtual Meeting Time TBD
<b>March 4, 2021</b>	Incentives Budgeting Workshop Virtual Meeting 4:00 – 6:00 pm	<b>September 16, 2021</b>	Community Steering Committee Meeting Virtual Meeting Time TBD
<b>April 15, 2021</b>	Community Steering Committee Meeting Virtual Meeting Time TBD		

# COMMUNITY LIAISON

## **Southeast Los Angeles (SELA)**

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