

# CERP IMPLEMENTATION

UPDATE – 1<sup>ST</sup> QUARTER 2020

East Los Angeles, Boyle Heights, West Commerce  
January 30, 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



# CERP IMPLEMENTATION - UPDATES

Partnerships are key for a successful CERP implementation

CSC involvement and input is critical

**Thank you for  
your continued commitment!**



# EXAMPLES OF CSC INVOLVEMENT



Participate in CARB  
and South Coast  
AQMD rule  
development process

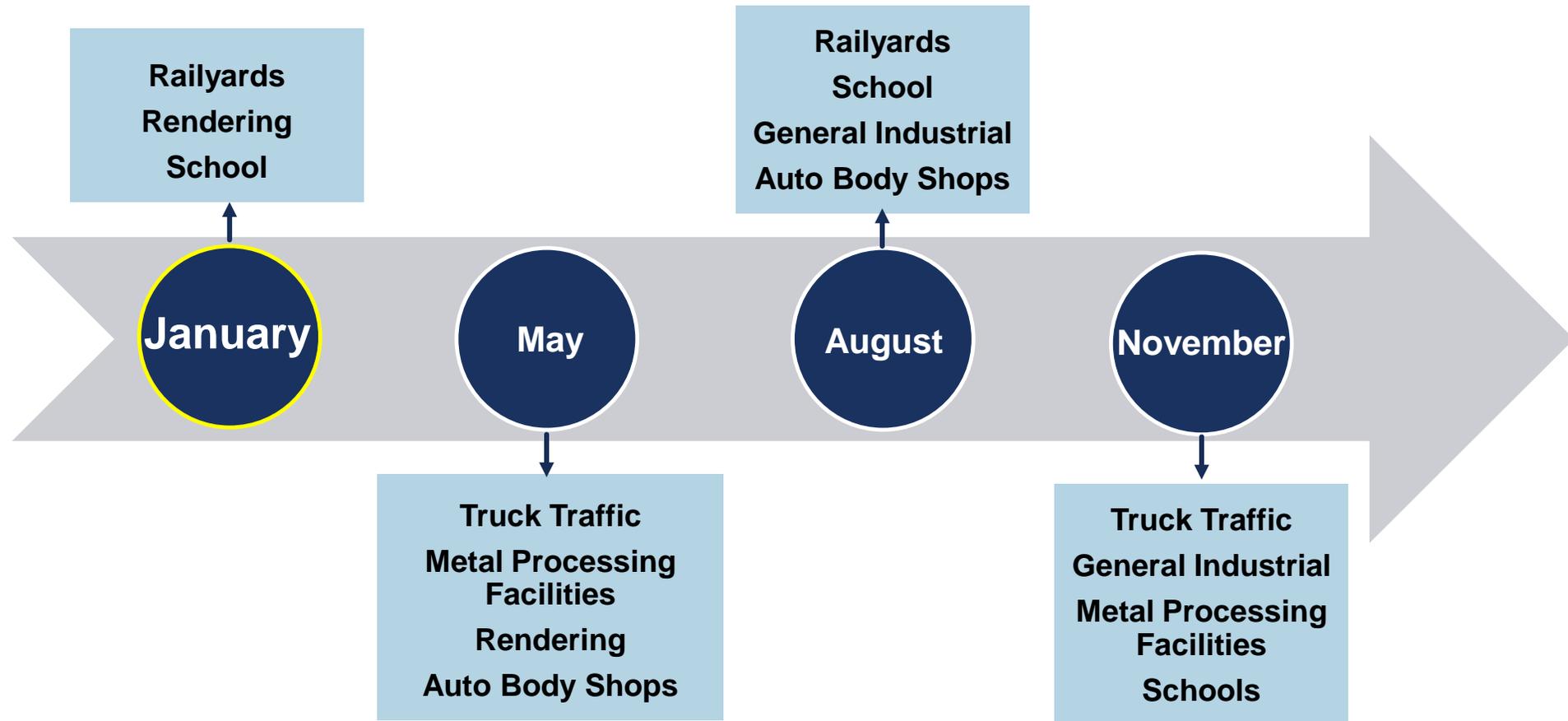


Distribute  
information on  
reporting idling  
trucks and odors



Prioritize which  
schools receive air  
filtration systems

# 2020 CSC UPDATES





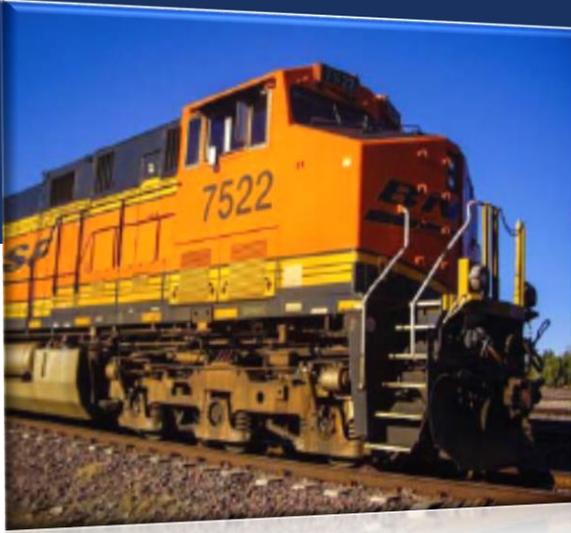
# AIR QUALITY PRIORITY: RAILYARDS

SARAH REES, PH.D.

ASSISTANT DEPUTY EXECUTIVE OFFICER



# ISR DEVELOPMENT



## Proposed Indirect Source Rule (ISR) for Locomotives

- CARB & South Coast AQMD jointly held community workshops to discuss concepts to reduce emissions from locomotives and railyards (Nov. & Dec. 2019)
- Video from San Bernardino meeting available: <https://youtu.be/uWrCDZEFvII>

AQ Priority: Railyards

### Different Authorities:

#### U.S. EPA



- Can regulate locomotive engine emission standards

#### CARB



- Can regulate locomotive activities within California (engine maintenance, fuel requirements, idling, etc)
- Primary mobile source authority

#### South Coast AQMD



- Primarily Stationary and Indirect Source Authority (facilities that attract mobile sources)



# PROPOSED NEW STRATEGIES

## CARB Concepts

### 1. Establish a Locomotive Emissions Reduction Spending Account

- Funding provided by railroads

### 2. In-Use Locomotive Remanufacture Limit

- Would allow only one remanufacture using older engine technologies



### 3. Adopt U.S. EPA 30 Minute Idling Limit

- U.S. EPA rule becomes enforceable by state (and potentially air districts)

### 4. Genset Repurposing

- Replace older switchers at smaller railroads with cleaner, used switchers from BNSF/UP

## South Coast AQMD Concepts

### 1. Indirect Source Rule (ISR) to Reduce Exposures from Locomotive Maintenance and Service Emissions

### 2. ISR to Require Facility-Specific Engineering Plans for Zero Emissions Operations

### 3. New Incentive Program Focused on Cleanest Locomotive Use Rather than Locomotive Replacement



### 4. Evaluate New Monitoring Approaches for In-Use Locomotives



# NEXT STEPS

- Hold second joint workshop in South Coast AQMD's jurisdiction
- Continue partnership with CARB as they develop their concepts
- CARB will hold additional workshops statewide

## Contacts:

CARB Freight Team

916-322-8382

[freight@arb.ca.gov](mailto:freight@arb.ca.gov)

[www.arb.ca.gov/rail\\_concepts](http://www.arb.ca.gov/rail_concepts)

South Coast AQMD

Ian MacMillan

Planning and Rules Manager

909-396-3244

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

[www.aqmd.gov/fbmsm](http://www.aqmd.gov/fbmsm)



# AIR QUALITY PRIORITY: RENDERING FACILITIES

# INTRO TO RENDERING

- Rendering is a process that converts waste animal tissue into grease, soap and other materials
- The rendering process can cause odors
- Strong odors can cause coughing, sore throat, nausea, etc.
- South Coast AQMD Rule 415 was adopted in November 2017 to reduce odors from rendering facilities



# KEY ELEMENTS OF RULE 415



## Best Management Practices

- Cover trucks
- Limit holding time for materials
- Wash down requirements
- Repair pavement



## Permanent Enclosure or Closed System for Operations

- Applies to receiving area, processing equipment, and wastewater
- 2.5 to 3.5 years to design, permit and construct

To Report Odors Call the South Coast Air Quality Management District at  
1-800-CUT SMOG  
or Facility Contact at  
1-555-555-5555

## Signage

- Contact 1-800-CUT-SMOG and facility
- Inform community in English and Spanish

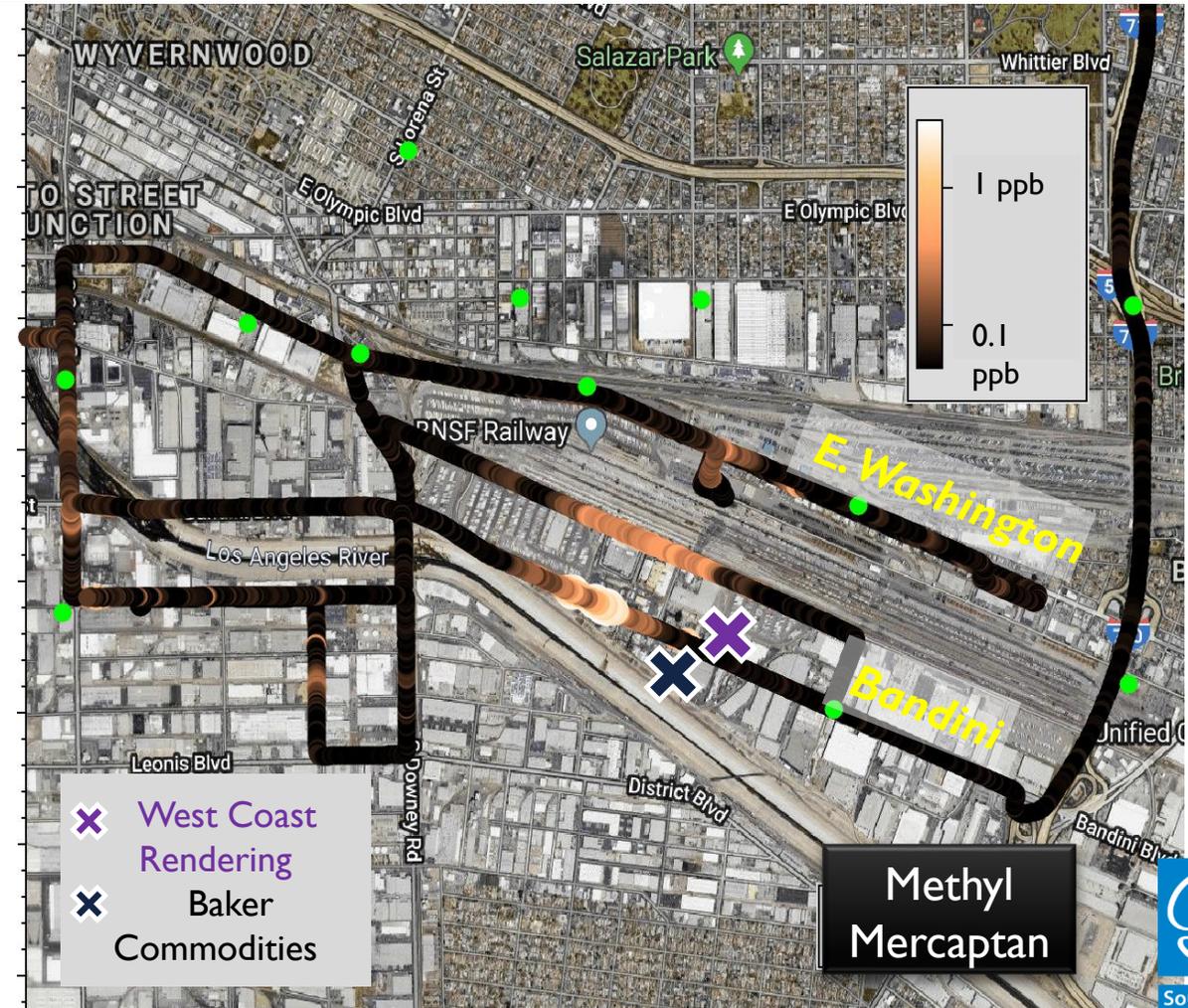


## Additional Requirements

- Triggered if odor issues continue
- Facility required to do a specific cause analysis for odor events

# PREVIOUS MOBILE AIR MEASUREMENTS (SUMMER-FALL 2019)

- Staff surveyed air pollution near rendering facilities
- Methyl mercaptan causes a foul odor associated with rendering facilities
- Humans can detect this odor at low levels (2 parts per billion)
- **Levels by the facility were close to the threshold**
- **Levels near residents were lower**



# CERP IMPLEMENTATION EFFORTS

## 2019 Compliance Update:

Facility Name	Notice of Violation
Baker Commodities Inc.	4
D&D Disposal Inc., West Coast Rendering Co.*	4
Darling Ingredients Inc.	1
Smithfield Packaged Meats Corp.	1
Total:	10

\* issued Order of Abatement

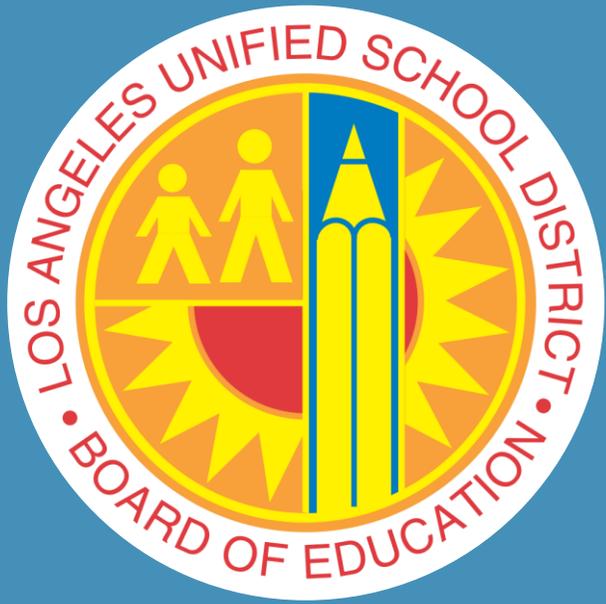
AQ Priority: Rendering Facilities

## 2020 Efforts:

- Continue responding to odor complaints and conduct facility inspections
- Provide updates to the CSC
- Provide public outreach about Rule 415 and how to submit an air quality complaint

# DISCUSSION

- What type of public outreach would the CSC like to see for air quality complaints and Rule 415?
- Examples of public outreach:
  - Neighborhood council meetings
  - Flyers
  - Signage
  - Community events



**AIR QUALITY PRIORITY: SCHOOLS,  
CHILDCARE CENTERS, LIBRARIES,  
AND PUBLIC HOUSING PROJECTS**

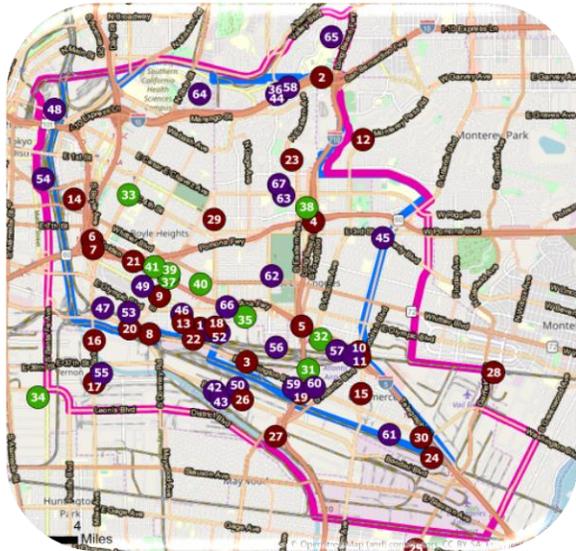


South Coast  
AQMD

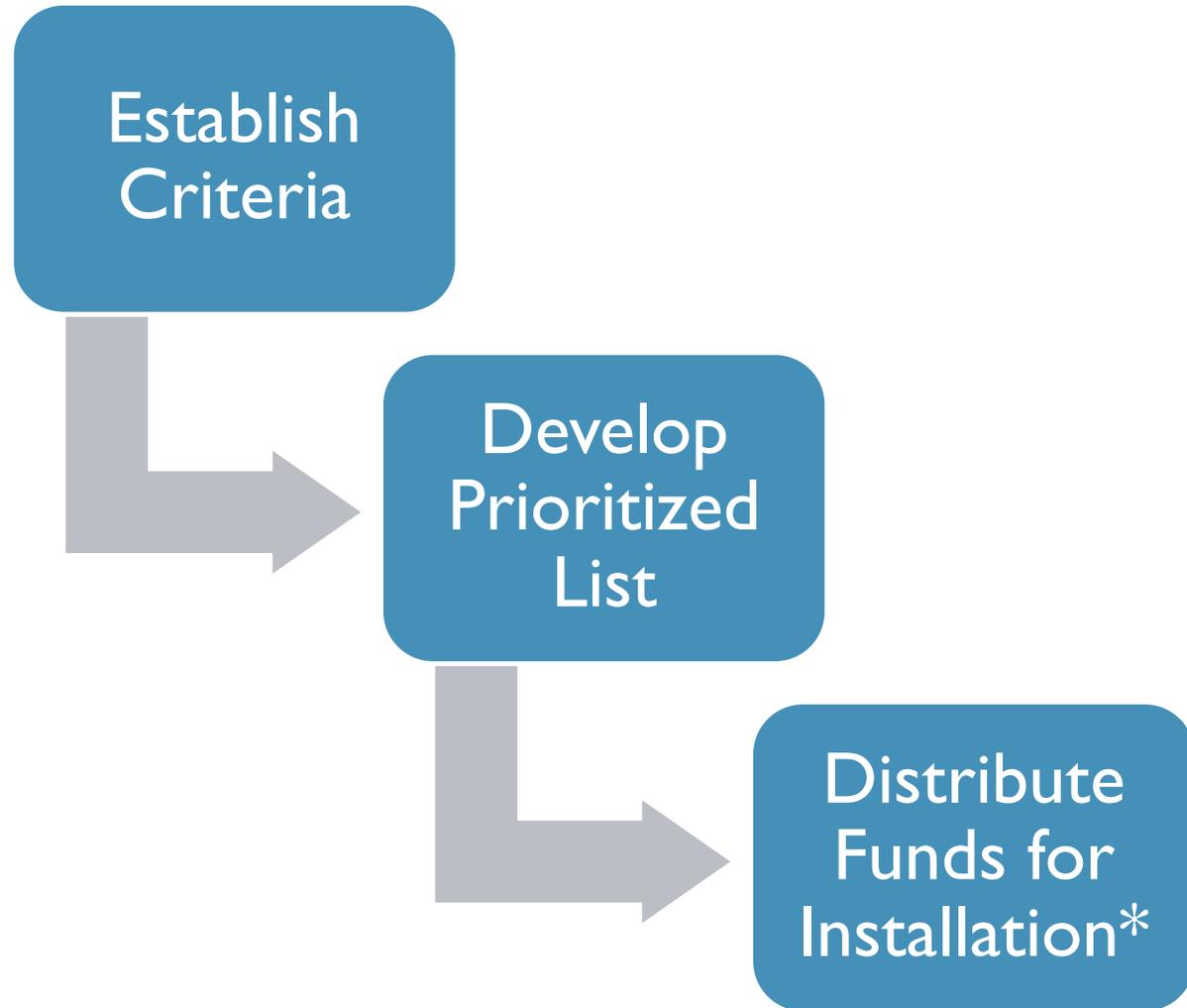
# REDUCE EXPOSURE HARMFUL AIR POLLUTANTS

## Reduce Exposure to Harmful Air Pollutants at Schools (Chapter 5g, Action 2 of the CERP)

- Continue installation of air filtration systems at schools identified by the CSC
- Priority given to schools near truck routes, railyards, and/or major freeways
- Explore opportunities for funding of filtration systems and filter replacements



# AIR FILTRATION INSTALLATION PROCESS



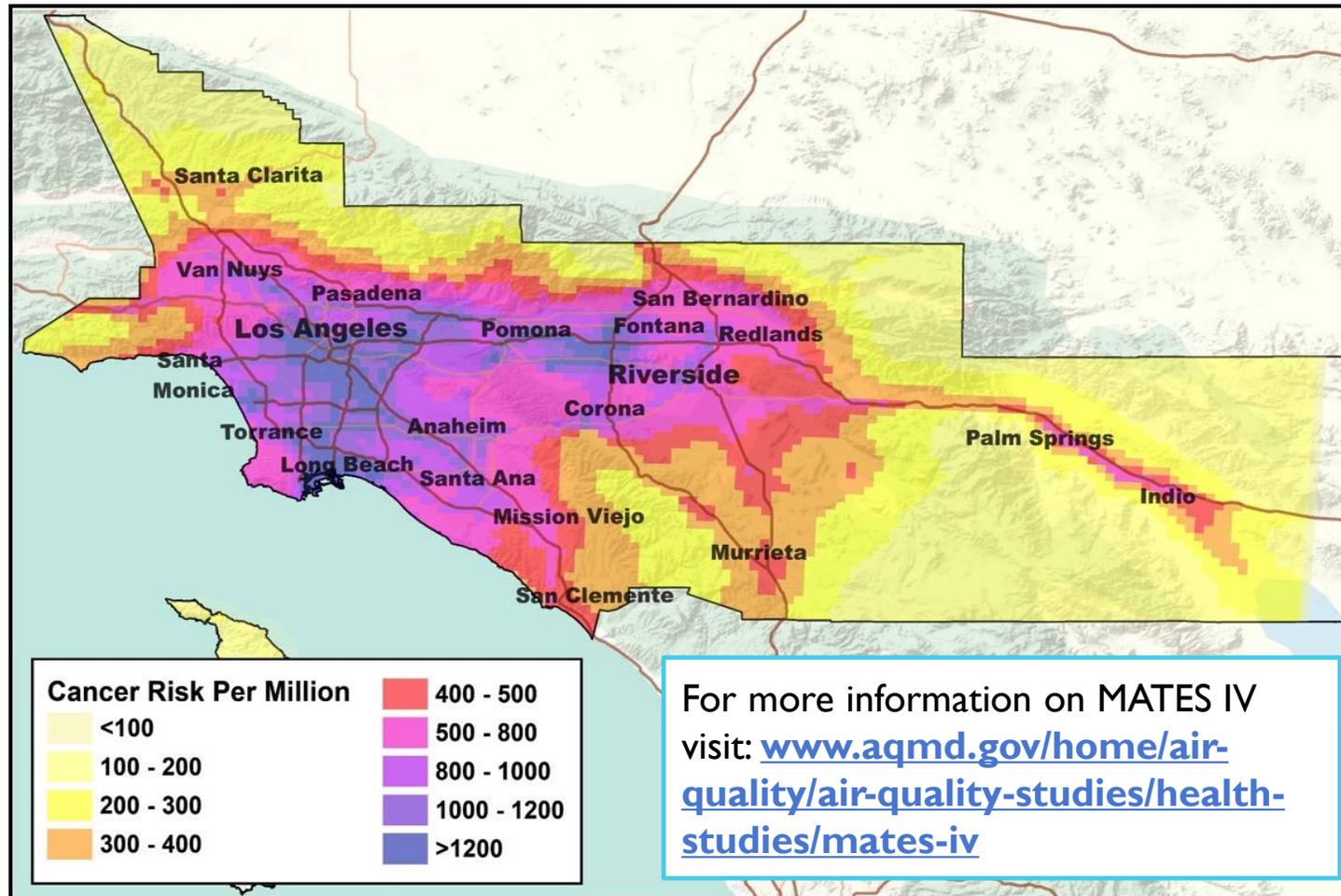
\* Installation of air filtration systems is dependent on funding criteria, potentially affecting the order of the prioritized list.

# PURPOSE OF DEVELOPING A PRIORITIZED LIST

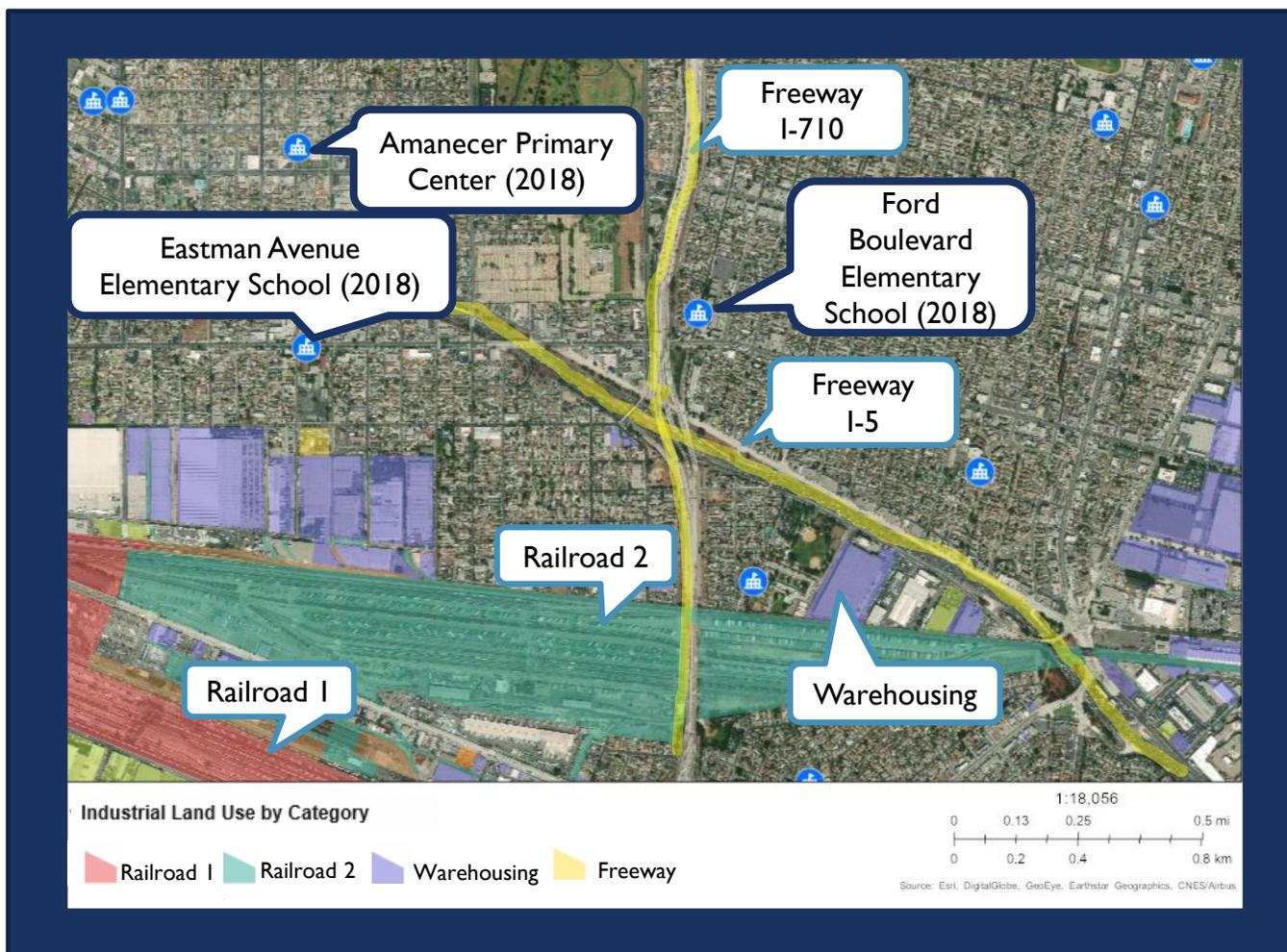
- To seek community input on school site selection within the CERP boundary
- Reduce the time necessary for site selection as funding becomes available
- Continue to demonstrate the need for additional funding



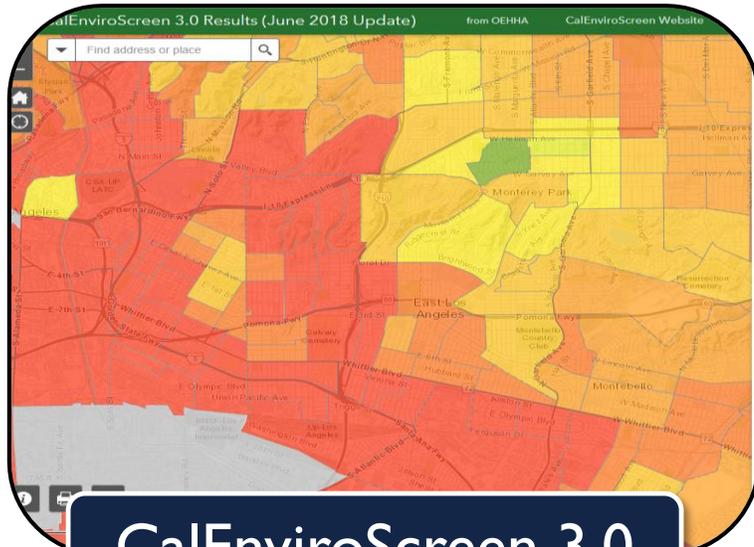
# MULTIPLE AIR TOXICS EXPOSURE STUDY (MATES)



# PROXIMITY TO SOURCES OF AIR POLLUTION OR FREEWAYS



# ADDITIONAL PRIORITIZATION CRITERIA



CalEnviroScreen 3.0

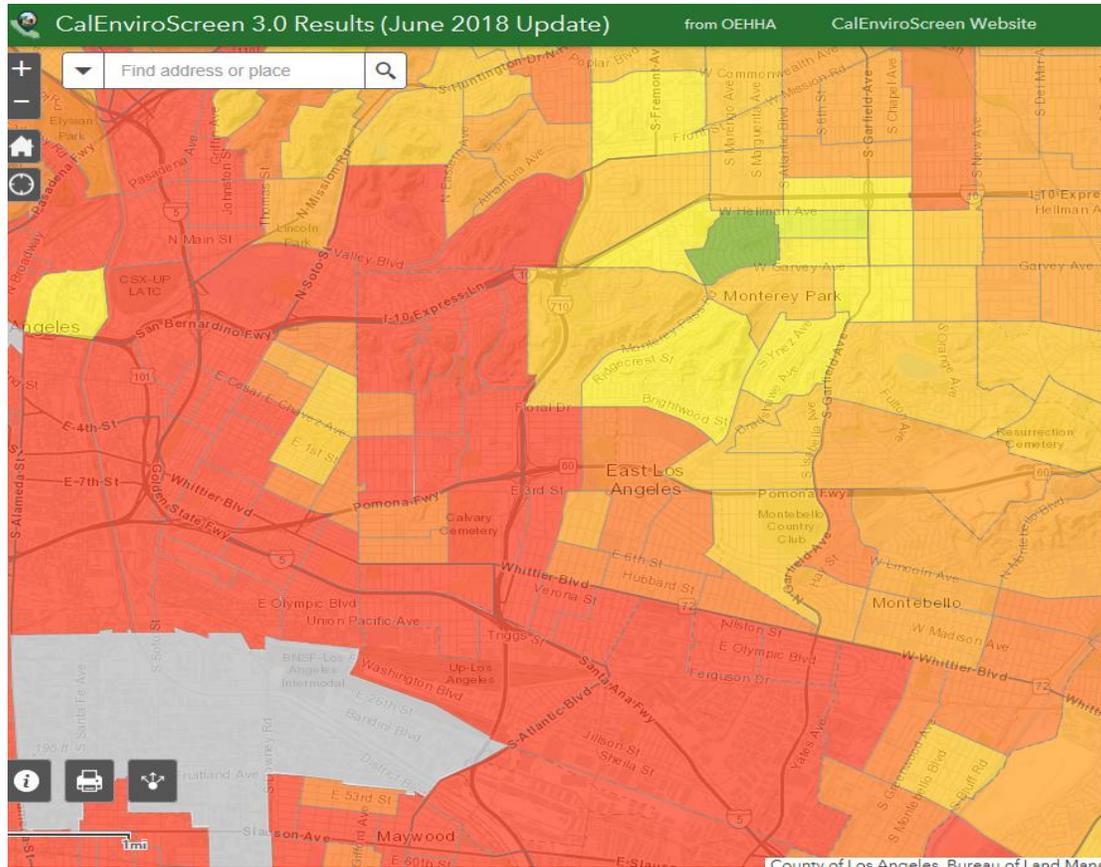


CalTrans Traffic Data



School Characteristics

# CALENVIROSCREEN 3.0 (OEHHA)



**Legend**

CalEnviroScreen 3.0 Results (June 2018 Update)

- 91 - 100% (Highest Scores)
- 81 - 90%
- 71 - 80%
- 61 - 70%
- 51 - 60%
- 41 - 50%
- 31 - 40%
- 21 - 30%
- 11 - 20%
- 1 - 10% (Lowest Scores)

High Pollution, Low Population

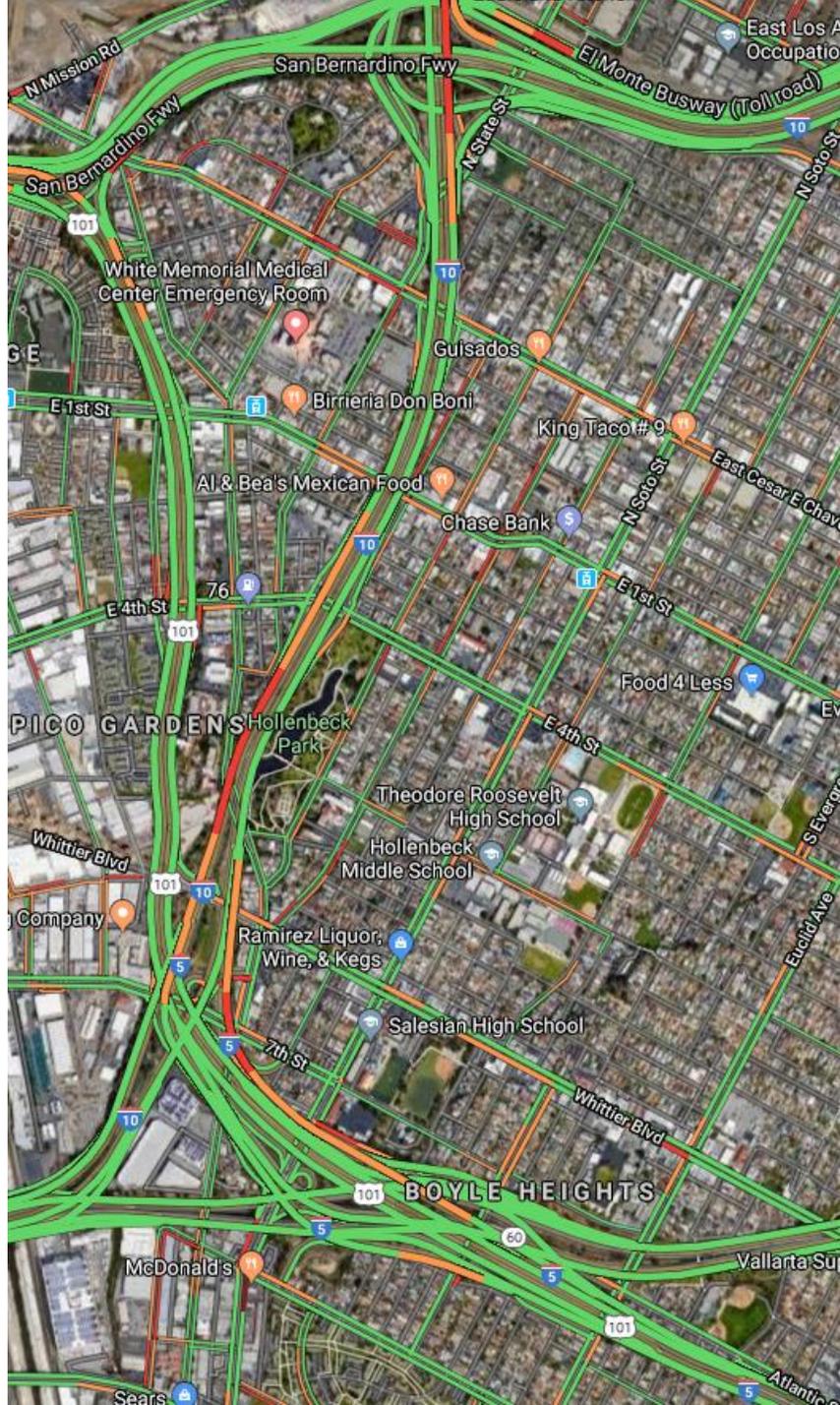
For more information about CalEnviroScreen visit: [oehha.ca.gov/calenviroscreen/report/calenviroscreen-30](http://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30)

Pollution Burden			Pollution Burden	
<b>Exposures</b>			<b>Environmental Effects</b>	
Ozone	PM2.5	Diesel PM	Solid Waste Sites and Facilities	Cleanup Sites
Pesticide Use	Traffic		Groundwater Threats	Impaired Water Bodies
Drinking Water Contaminants	Toxic Releases from Facilities		Hazardous Waste Generators and Facilities	

Population Characteristics		Population Characteristics	
<b>Sensitive Populations</b>		<b>Socioeconomic Factors</b>	
Asthma	Cardiovascular Disease	Poverty	Unemployment
Low Birth-Weight Infants		Educational Attainment	Linguistic Isolation
		Housing Burdened Low Income Households	

AQ Priority: Schools

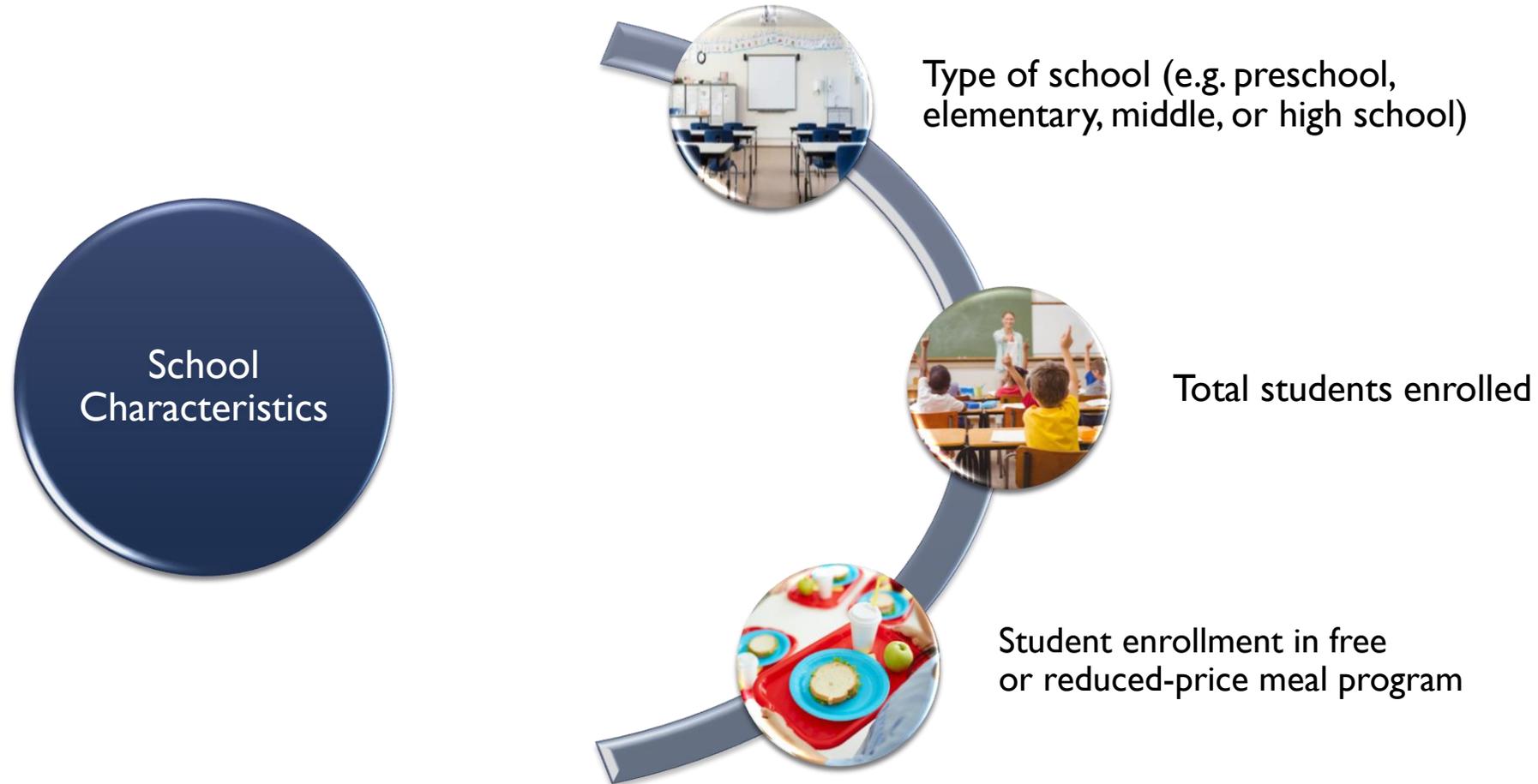
**OEHHA: Office of Environmental Health Hazard Assessment**  
(State agency)



# TRAFFIC NEAR SCHOOLS



# SCHOOL CHARACTERISTICS



# PRIORITIZATION FOR AIR FILTRATION SYSTEMS ACTIVITY

**Example:**

Criteria and Brief Description	Rank # (1 – 5)*
<b>Multiple Air Toxics Exposure Study IV (MATES IV)</b> Focuses on the cancer risk from exposure to air toxics across the South Coast Air Basin.	2
<b>CalEnviroScreen 3.0</b> Identifies California communities by census tract that are disproportionately burdened by, and vulnerable to, multiple sources of pollution.	5
<b>CalTrans Traffic Data</b> Traffic data can show where congestion occurs. Congestion can result in idling vehicles and create an increase in emissions around nearby schools.	3
<b>School Characteristics</b> <i>(Please check the box next to the school characteristic you think should be included)</i> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Highest priority for preschools, followed by elementary, middle, then high schools</li> <li><input type="checkbox"/> Higher priority for schools that have more students</li> <li><input type="checkbox"/> Higher priority for schools with higher percent of students enrolled in free or reduced-price meal program</li> </ul>	4
<b>Nearby Sources of Air Pollution</b> <i>Please list which three sources of air pollution that are of most concern when they are near schools. For example, air pollution sources can be railyards, industrial facilities, and freeways.</i> <ul style="list-style-type: none"> <li>1) <u>Freeways</u></li> <li>2) <u>Railyards</u></li> <li>3) <u>Industrial facilities</u></li> </ul>	1

\*There should be no duplicate values in your ranking.

# South Coast AQMD's AB 617 web page:

[www.aqmd.gov/AB617](http://www.aqmd.gov/AB617)

Download  
South Coast  
AQMD's  
Mobile App

### APPLICATION FEATURES



**Detailed Monitored Data**

**Real-time & Forecasted Air Quality**

**Connect with SCAQMD**

**AQI on Your Wrist (Apple Watch)**

#### ADDITIONAL FEATURES

- Configurable air quality notifications
- Integrated temperature
- Animated weather background
- Interactive air quality map
- Alternative fuel
- Call 1-800-CUT-SMOG at the touch of a button

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