



Community Air Protection Updates and Fifth Annual Community Recommendations

February 23, 2023

Today's Presentation

- Updates
 - Annual Memo
 - New Tools
 - Air Monitoring
- Community Recommendations



Bayview Hunters Point/
Southeast San Francisco

North Imperial Phase 1 Community
(includes Westmorland, Brawley,
and Calipatria)



AB 617 Communities

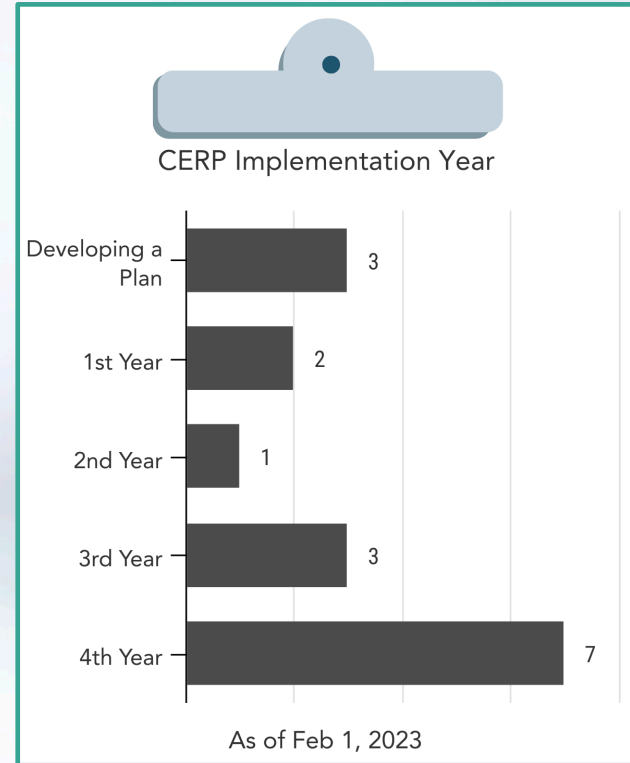
- 17 Communities Statewide
 - 6 in South Coast
 - 4 in San Joaquin Valley
 - 3 in Bay Area
 - 2 in San Diego
 - 1 in Imperial; Sacramento
- 13 CARB-approved CERPs



Annual Memorandum Update

Summarizes Key Efforts

- CERP strategies
- Resources and related tools
- Concepts to reimagine Program
- AB 617 Consultation Group engagement



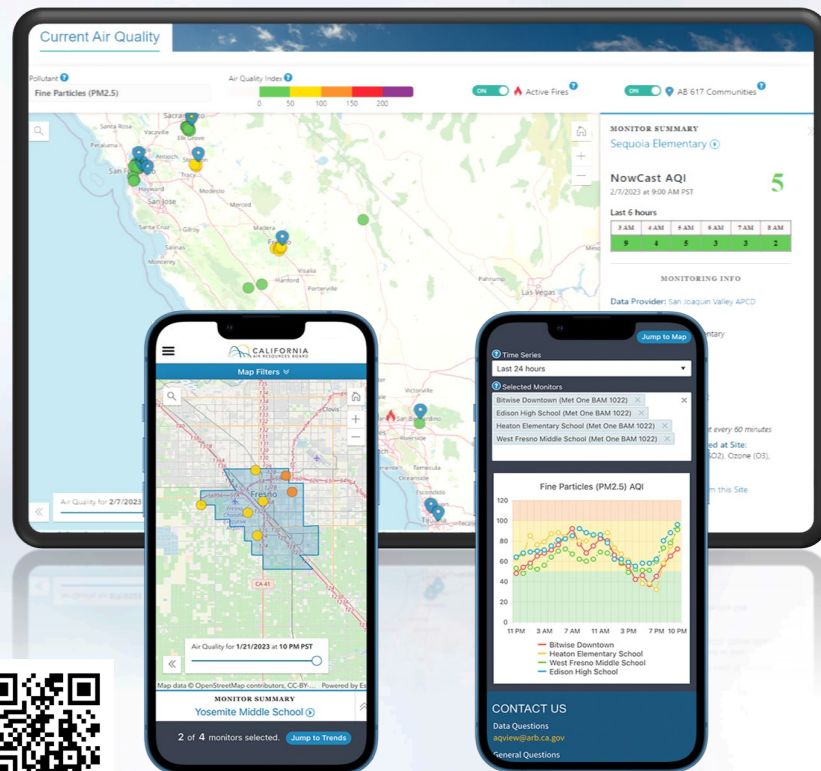
CERP Strategies

Community Driven
and Innovative



AQview: Community Air Quality Viewer

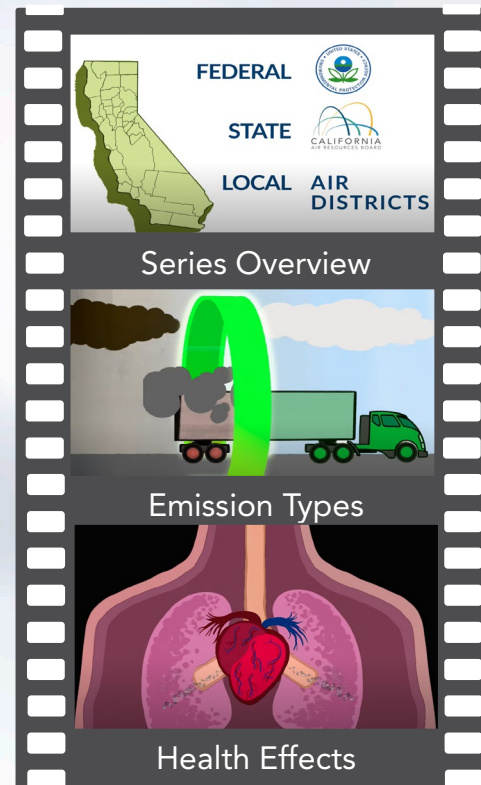
- Innovative cloud-based data system for managing all community air monitoring data
- Provides visualization and easy access of air quality data for community members
 - ✓ Simple, intuitive, mobile-friendly
 - ✓ Real-time PM 2.5 map and time-series graphing tool
 - ✓ High-performance data download tool for accessing all AB 617 monitoring data



Air Quality Video Series

- Public asked for high-level video series to explain the fundamentals of air quality
- Met with advocates statewide to develop
 - Simple, easy to understand videos
 - Available in English and Spanish
- Nine videos in series
 - First three videos completed
 - Remaining six to be completed by early 2024

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



Community Emission Inventory Story Maps and Data



Blueprint 2.0 Update

- Update required every 5 years (Sept 2023)
- Incorporate last 5 years lessons learned
- Reimagine the Program to support more communities
- Robust public engagement with community, racial equity, and EJ focus
- Informed by People's BP and AB 617 Consultation Group discussions



A Timeline of AB 617 Milestones

Nov 2022 – Dec 2023



Air Monitoring Update



Air Monitoring Highlights

Monitoring Objectives



Characterize
local emission
sources



Measure
community
pollutant
concentrations



Inform and
track CERP
progress



Provide real-
time air quality
information



Respond to
episodic events

Pollutants Measured

Toxic Air
Contaminants

Volatile
Organic
Compounds

Criteria
Gases

PM_{2.5} / PM₁₀

Black Carbon

Air Monitoring Highlights



Air sensor network monitoring



Episodic emissions events



Mobile monitoring



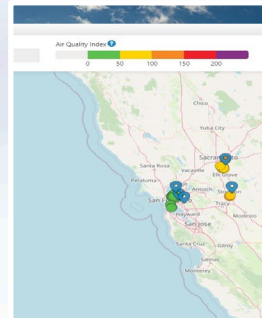
Increased air toxic monitoring



Increased stationary monitoring



Ambient pesticide monitoring



New data communication pathways

Air Monitoring Lessons

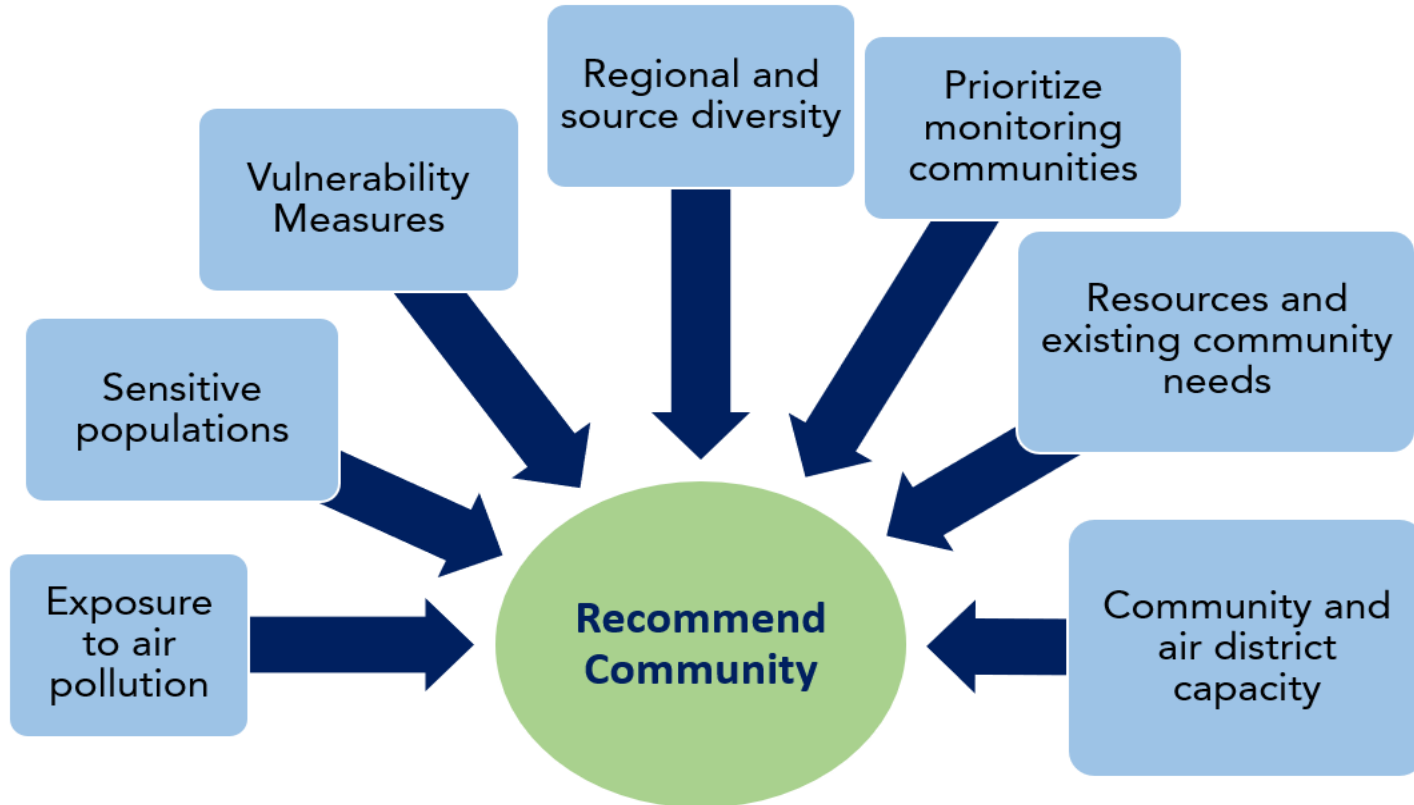
Lessons Learned and Recommendations for Improvement

- Collaboration is a key component to translate monitoring data to action
- Clear and easy to understand data visualization tools improve public engagement
- A clearly defined bridge between CAMPs and CERPs helps monitoring data lead to action(s)

Community Recommendations Process



Recommendation Considerations



Implementation Funding



* Up to \$10 Million for new CERP development (AB 179) to be allocated by CARB to air districts in FY 22-23

2022 Recommendations

Air District Recommendations

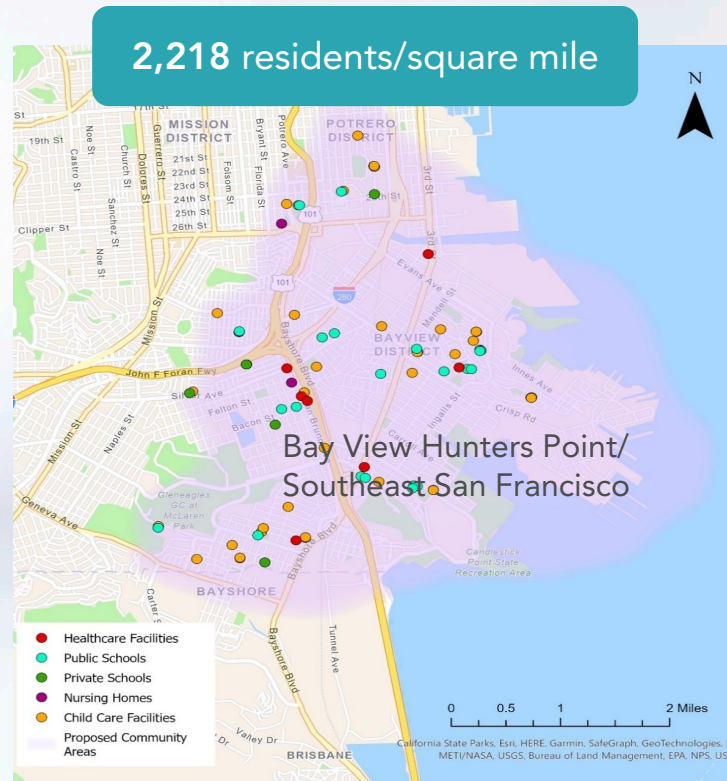
- Bayview Hunters Point/Southeast San Francisco, (CERP)
- North Imperial Phase 1 (includes Westmorland, Brawley, and Calipatria) (CAMP and CERP)
- North Sacramento*; Oak Park/ Fruitridge*; and Meadowview*, (CAMP)

Community Recommendations

- Paramount
- La Vina
- Lost Hills
- Salton City

* Air District Recommendation was contingent on increased funding.

Bayview Hunters Point/Southeast San Francisco (CERP)



Bayview Hunters Point/Southeast San Francisco (CERP)

Community Air Pollution Concerns:



PM 2.5
Emissions
Truck traffic



4 freeway
impacts



Industrial
facilities



Superfund site
impacts

Key Metrics (in percentile)

Overall
CalEnviroScreen 4.0 Score

94

Diesel
Particulate
Matter

99

Asthma

96

Poverty

96

Unemployment

98

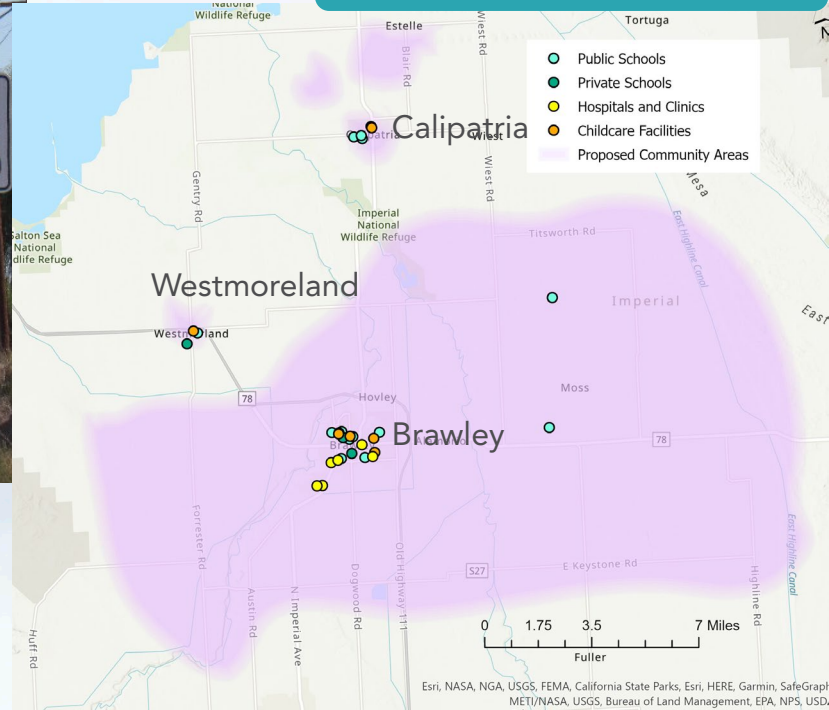
California
Healthy
Places Index

98

North Imperial Phase 1 (CAMP and CERP)



14 residents/square mile



North Imperial Phase 1 (CAMP and CERP)

Key Metrics (in percentile)

Overall CalEnvironScreen 4.0 Score **91**

Diesel Particulate Matter	Asthma	Poverty	Unemployment	California Healthy Places Index
43	99	98	100	99

Community Air Pollution Concerns:



Fugitive emissions
unpaved roads,
Salton Sea



Pesticides



Heavy Duty
Vehicles



Agricultural
equipment

Staff Recommendation

Approve Resolution 23-7

- Select two new communities as recommended in Staff Report
- CEQA certification of exemption
- Direct air districts and CARB to begin work in these communities

Proposed
State of California
Air Resources Board

Assembly Bill 617 Community Air Protection Program – Fifth Annual Selection of Communities

Resolution 23-7

February 23, 2023

Agenda Item No.: 23-2-2

Whereas, sections 39600 and 39601 of the Health and Safety Code authorize the California Air Resources Board (CARB or Board) to adopt standards, rules and regulations and to do such acts as may be necessary for the proper execution of the powers and duties granted to and imposed upon the Board by law;

Whereas, California's air quality programs have led to significant public health improvements; however, certain communities continue to experience environmental and health inequities from air pollution;

Whereas, many of these communities are affected by multiple stationary, area, and mobile sources of air pollution and suffer disproportionate health impacts;

Whereas, the high cumulative exposure burdens in these communities are a public health concern, contributing to health conditions, such as cardiorespiratory disease, increased cancer risk, and an increased risk of premature death;

Whereas, expedited emission reductions of toxic air contaminants and criteria air pollutants in communities with high cumulative exposure burdens are critical to reduce these disproportionate health impacts;

Whereas, the Legislature enacted the California Clean Air Act of 1988 (Stats. 1988, ch. 1568) declaring that it is necessary that the State ambient air quality standards be attained by the earliest practicable date to protect public health, particularly the health of children, older people, and those with respiratory diseases;

Whereas, section 39650, et seq., of the Health and Safety Code establishes the policy of the State to control emissions of toxic air contaminants, based on the best available scientific information, and directs the Board to establish airborne toxic control measures (ATCM);