Improving Neighborhood Air Quality

AB 617: Community Health Protection Program

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May 14, 2018

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Air Quality and Health
2
What is AB 617?
3
Select Communities for Action
4
Resources to Improve Air Quality

Air Pollutants

emission rates
types of emissions

Ambient Concentration

types of pollutants
topography
wind patterns

Exposure and Dose

breathing rate
location
time

Health Effects

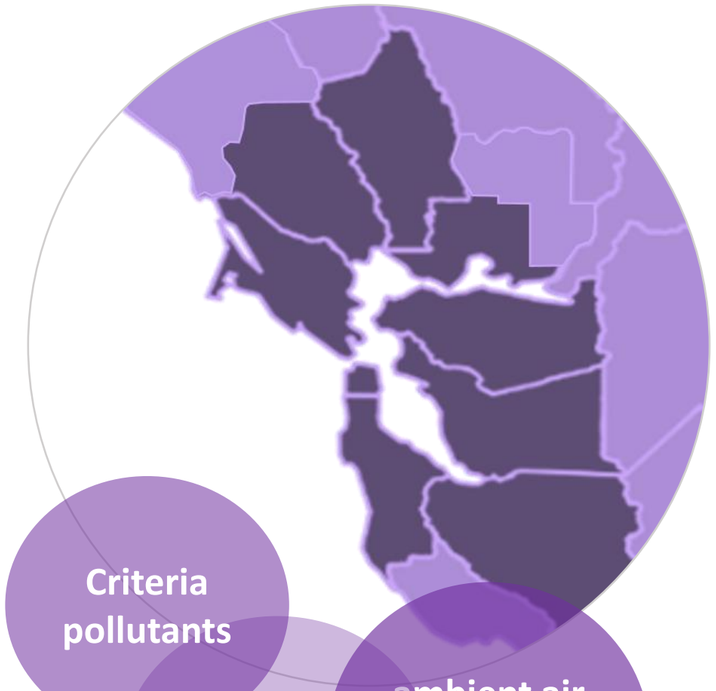
dose
susceptibility

1

Air Quality and Health

Community

Regional



Criteria pollutants

regional exposure

ambient air quality standards

CARE (2004)

AB 617 (2017)

cumulative impacts

Facility

toxics

health risk assessments

2

What is
AB 617?

Program Goals

- Community Participation
- Eliminate Air Quality Disparities
- Reduce Health Burdens
- Continuous Evaluation and Improvement

2

What is AB 617?

March – June 2018

Community Input

Available Information

Select All Communities

June 2018

Prioritize Communities

Oct 2018

AB 617 requires state to select additional communities for monitoring and/or action plans annually, beginning Oct 2019

First round June 2019

Incentives

Build Capacity

Ongoing

Monitoring

Begins July 2019

Action Plan

First plan Oct 2019

3

Select Communities for Action

Under AB 617, the state requires districts to work with communities to select all areas in the region that have a ***"high cumulative exposure burden"*** *and then* ***prioritize*** *areas for community monitoring and/or actions plans over the next 6 years.*

3
Select Communities for Action

Criteria Used to Select *All Areas* with High Air Pollution Impacts

CARE

High pollutants
fine particles
toxics
ozone
Mortality
Cancer risk
ER visits and hospitalizations due to air pollution

Health and Vulnerability

Life expectancy
Low birth weight
Diesel exhaust
Traffic
Socioeconomic factors
Education
Housing costs
Access to transportation

Large Sources

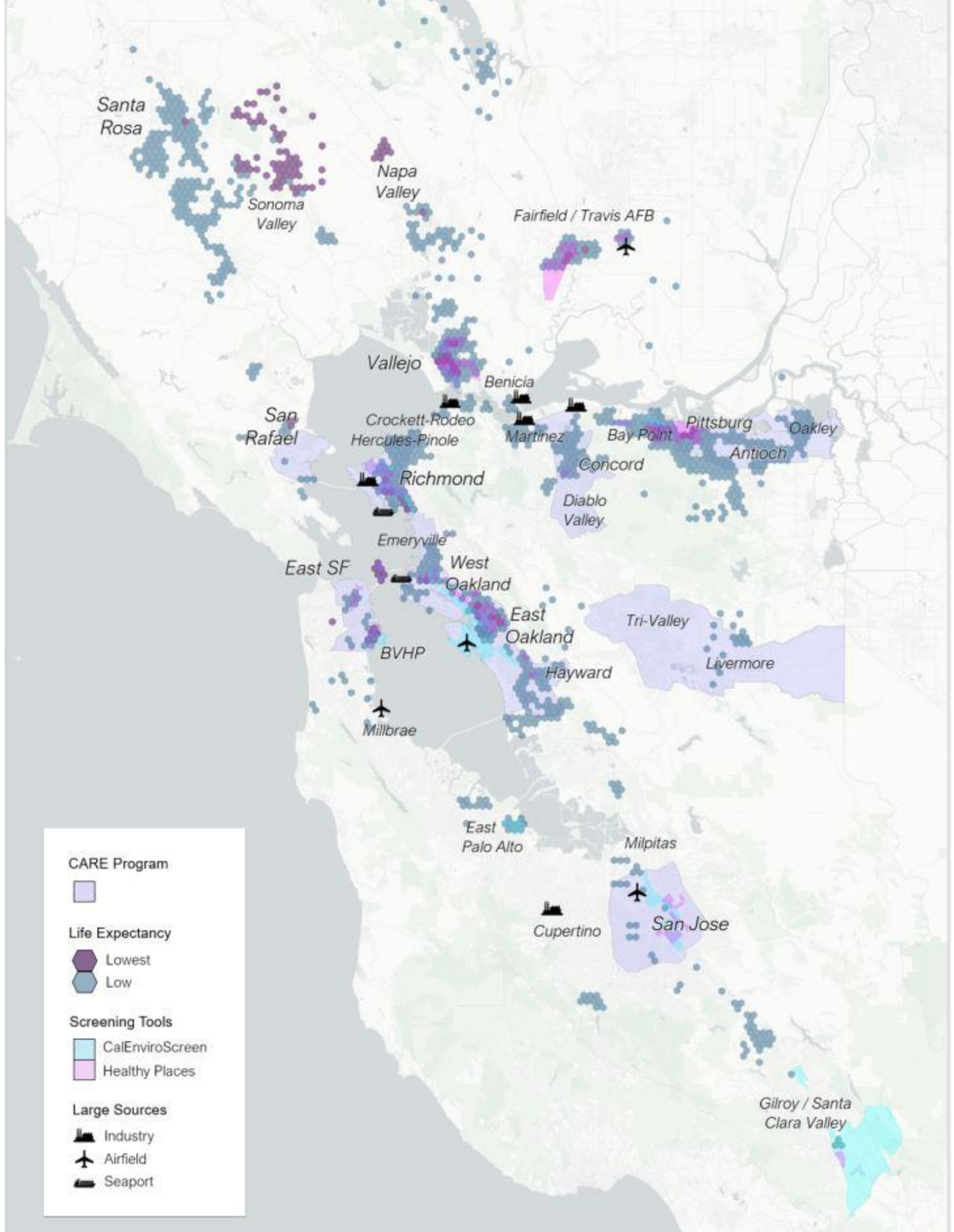
Oil refineries
Cement plants
Chemical plants
Marine ports
Airports

3

Select Communities for Action

Recommendations

- CARE
- Areas with large sources
- Areas with health and pollution impacts
- Areas with low life expectancy



3

Select Communities for Action

Local View

Petroleum refineries and chemical plants

Organics recovery and waste facilities

Organic Liquids storage and distribution facilities

Marine terminals

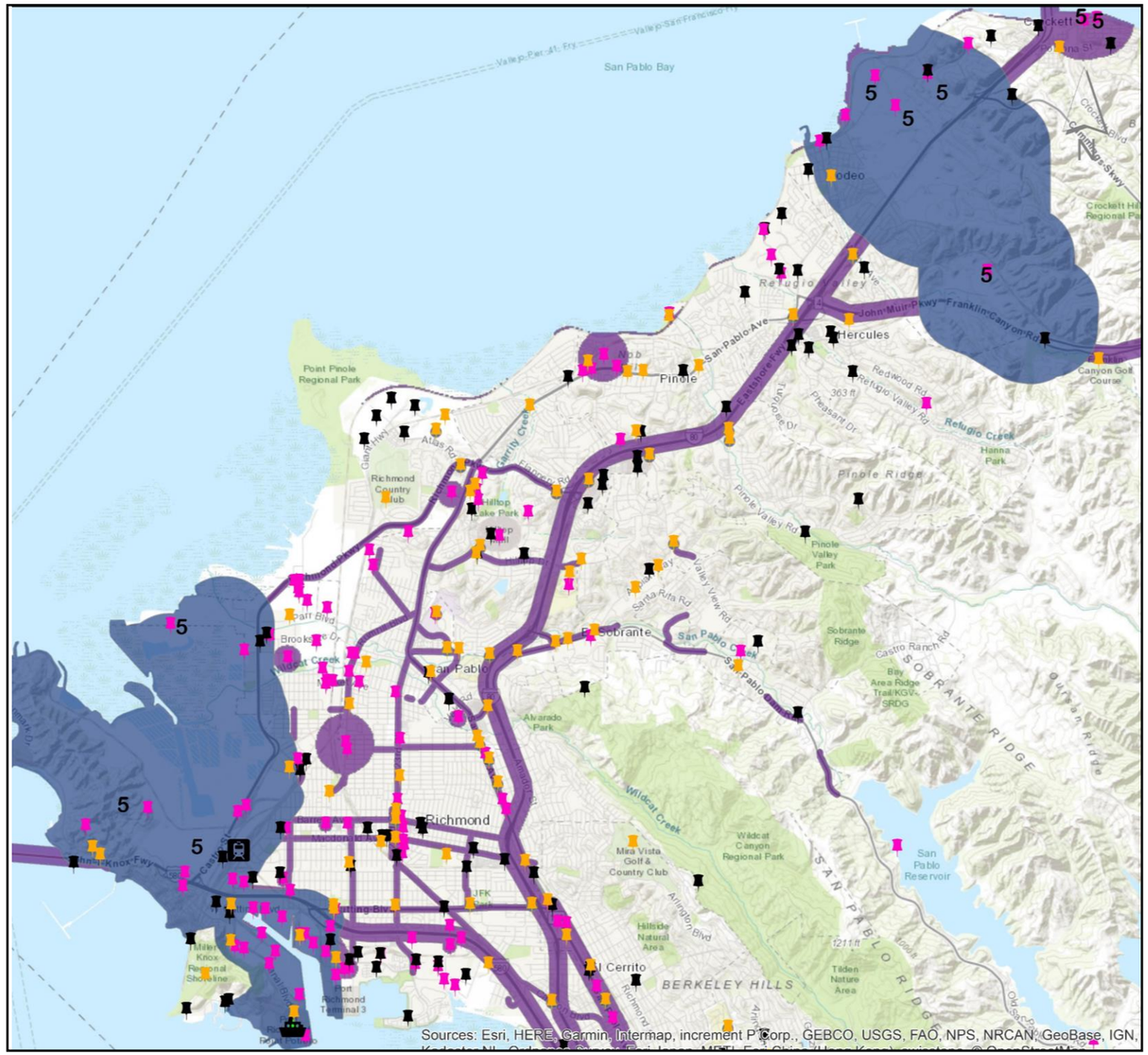
Petroleum coke terminal

Port of Richmond

Metal facilities

Other industrial and manufacturing operations

Freeways, roadways and rail



3
Select Communities for Action

How should we select communities for action?

Air Quality

Fine particles

Toxics

Health

Life expectancy

Lung disease

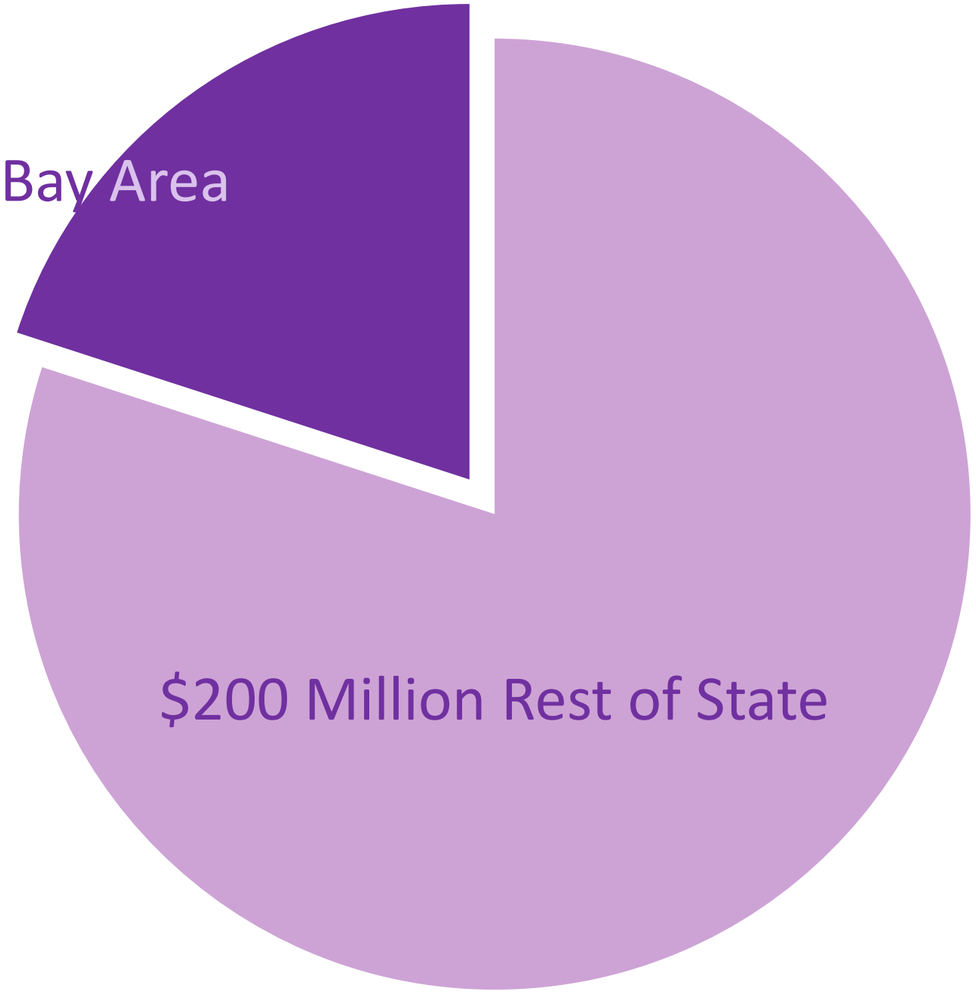
Heart disease

Other Ideas

?

Clean Technology Grants

- Trucks
- Buses
- Locomotives
- Construction Equipment
- Agriculture Equipment



Where should future money focus?

Feedback

- Overall support for community selection
- Improve Air District permitting process
- Prevent increased air pollution in overburdened communities
- Provide grants to communities to do community outreach
- Challenge what is acceptable air pollution
- Be transparent, open, and accountable

How should we prioritize areas for action?

What other pollution or exposure reduction projects should we fund?

Thank
You!

Interactive Stations

How should we
select communities for years 2-5?

Map it!
Where should we focus?
Where are sources of pollution?

How concerned are you about the
air pollution caused by
various equipment types?

What does success
look like?