

Improving Neighborhood Air Quality



1

Air Quality
and Health

2

What is
AB 617?

3

Select
Communities
for Action

4

Resources to
Improve Air
Quality

1

Air Quality
and Health

Air Pollutants



emission rates
types of emissions

Ambient Concentration



types of pollutants
topography
wind patterns

Exposure and Dose



breathing rate
location
time

Health Effects



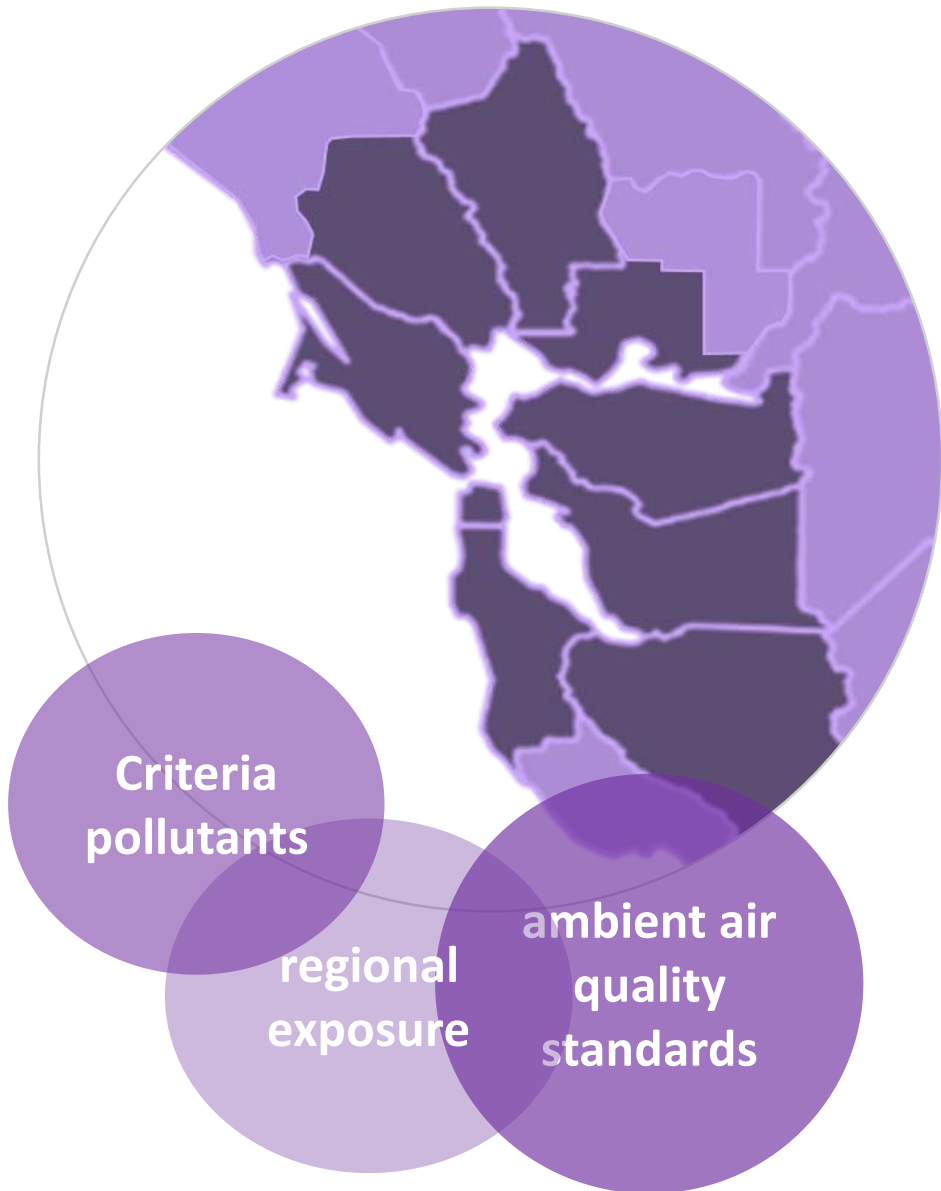
dose
susceptibility

1

Air Quality and Health

Community

Regional



Facility



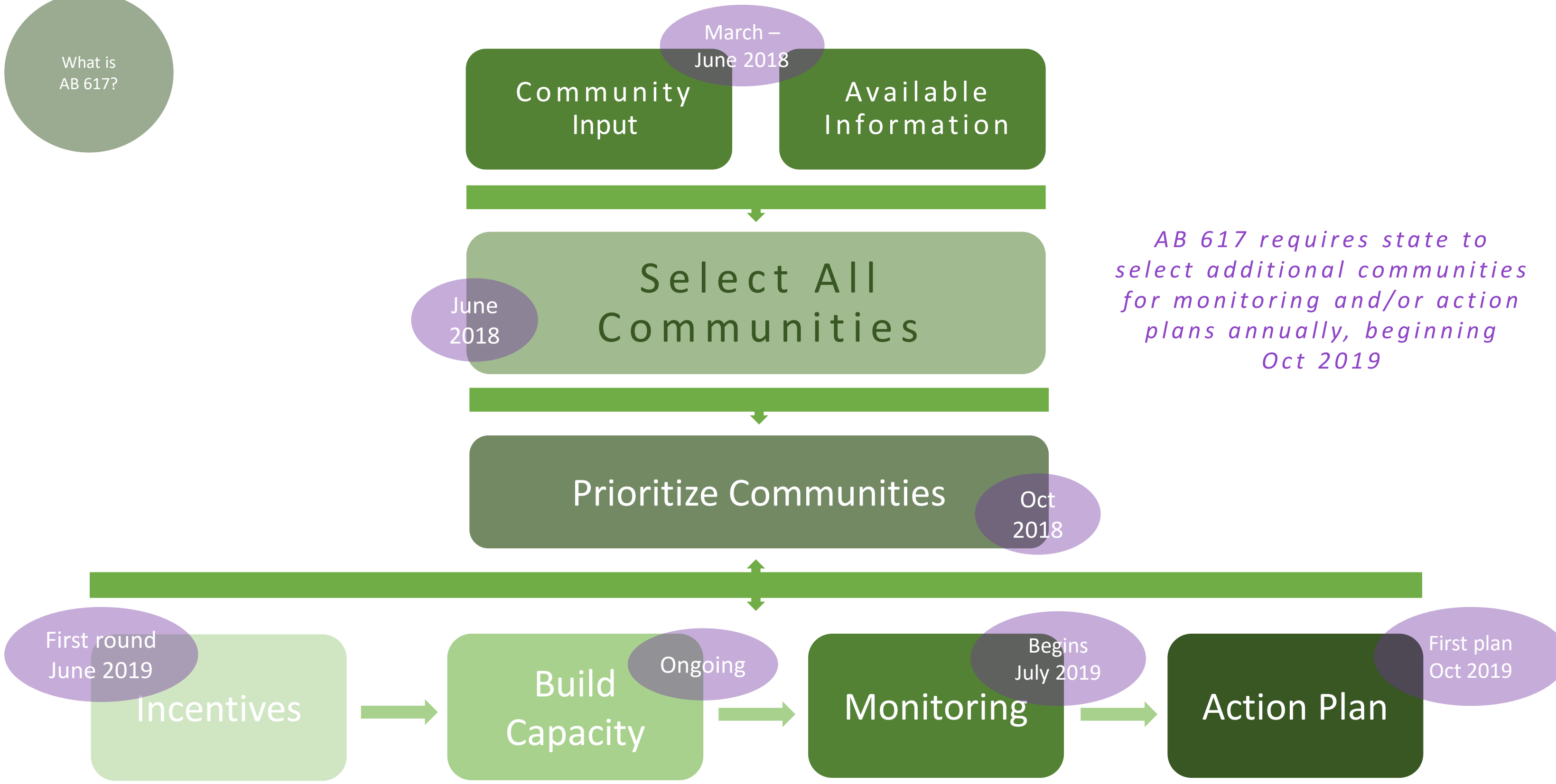
2

What is
AB 617?

Program Goals

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

What is AB 617?



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

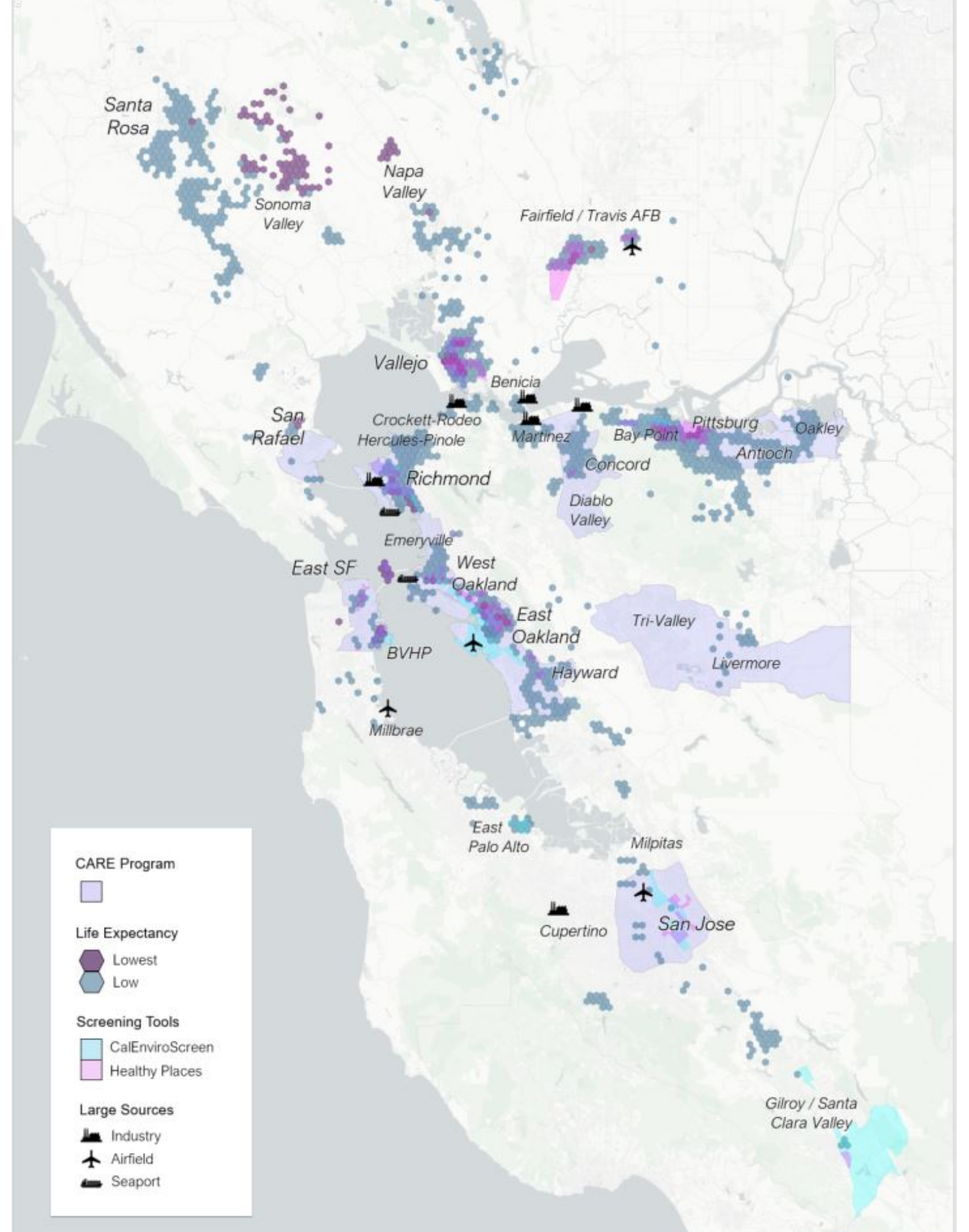
Oil refineries
Cement plants
Chemical plants
Marine ports
Airports

Recommendations

3

Select Communities for Action

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



3

Select Communities for Action

Local View

Waste facilities

Airport

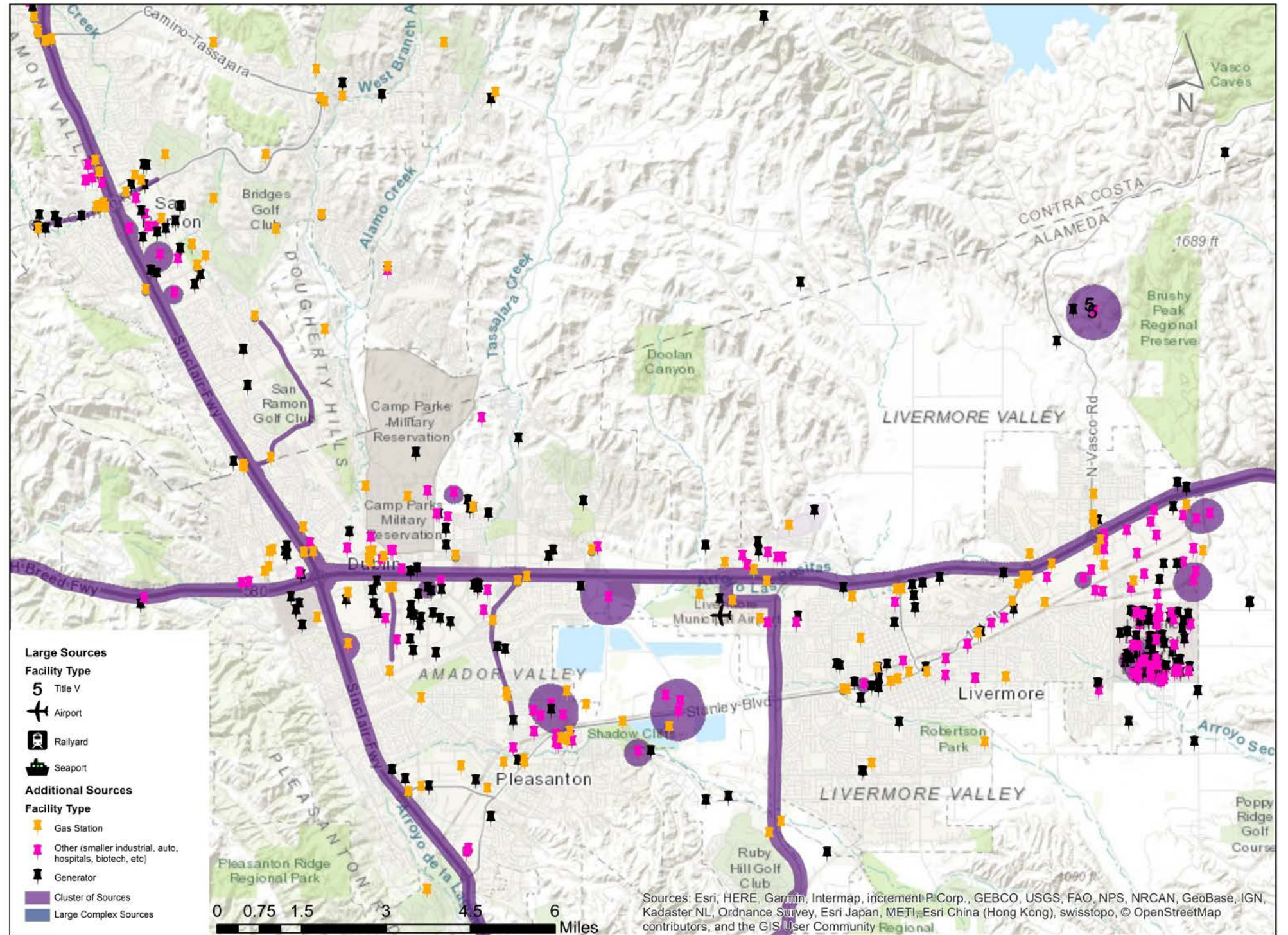
Research laboratories

Quarries

Cement and asphalt plants

Construction and agriculture equipment

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

?

4

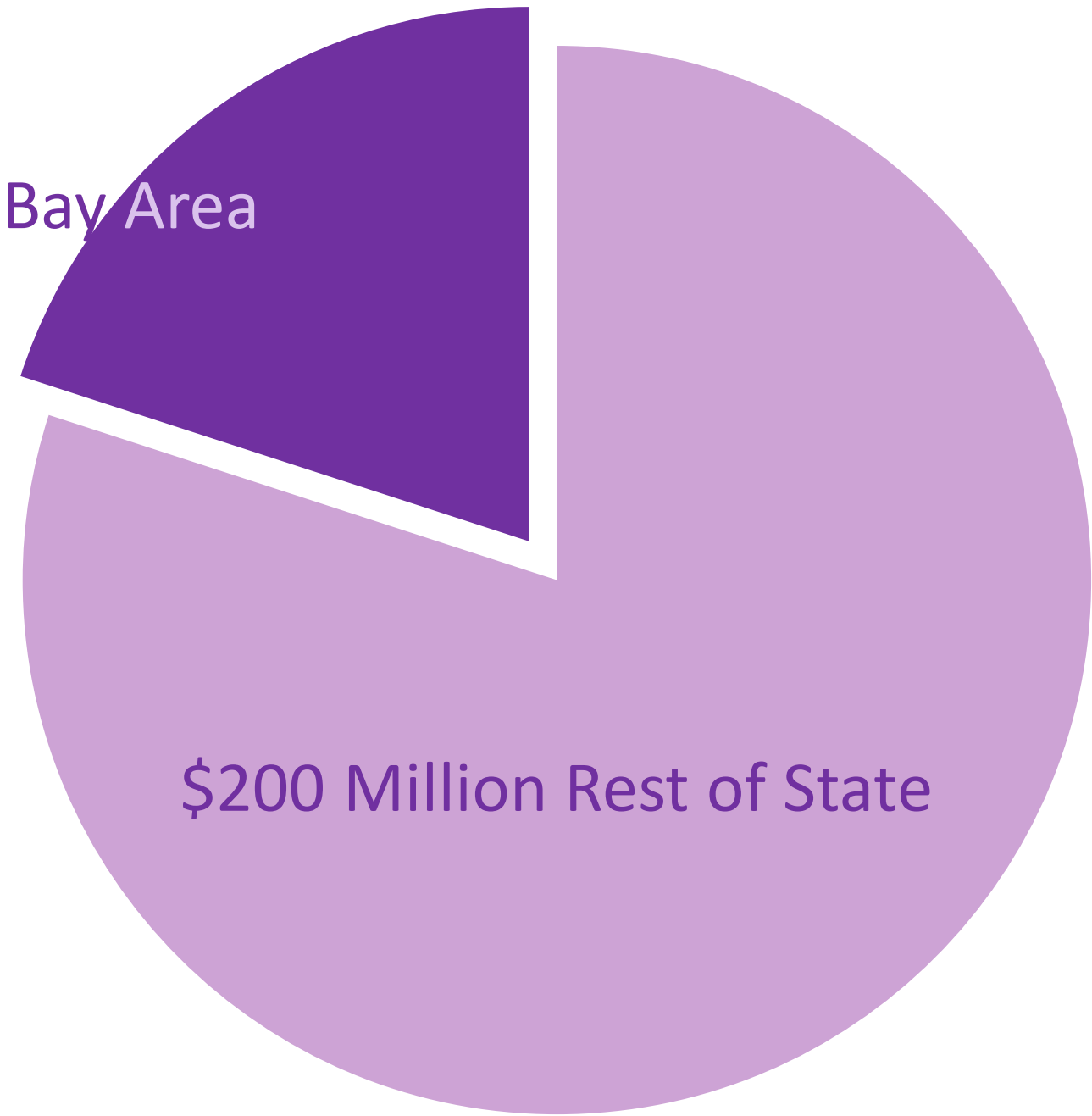
Resources to Improve Air Quality

Clean Technology Grants

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

\$50 Million to Bay Area

\$200 Million Rest of State



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?



How should we
select communities for years 2-5?

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

Interactive Stations

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

What does success
look like?