

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



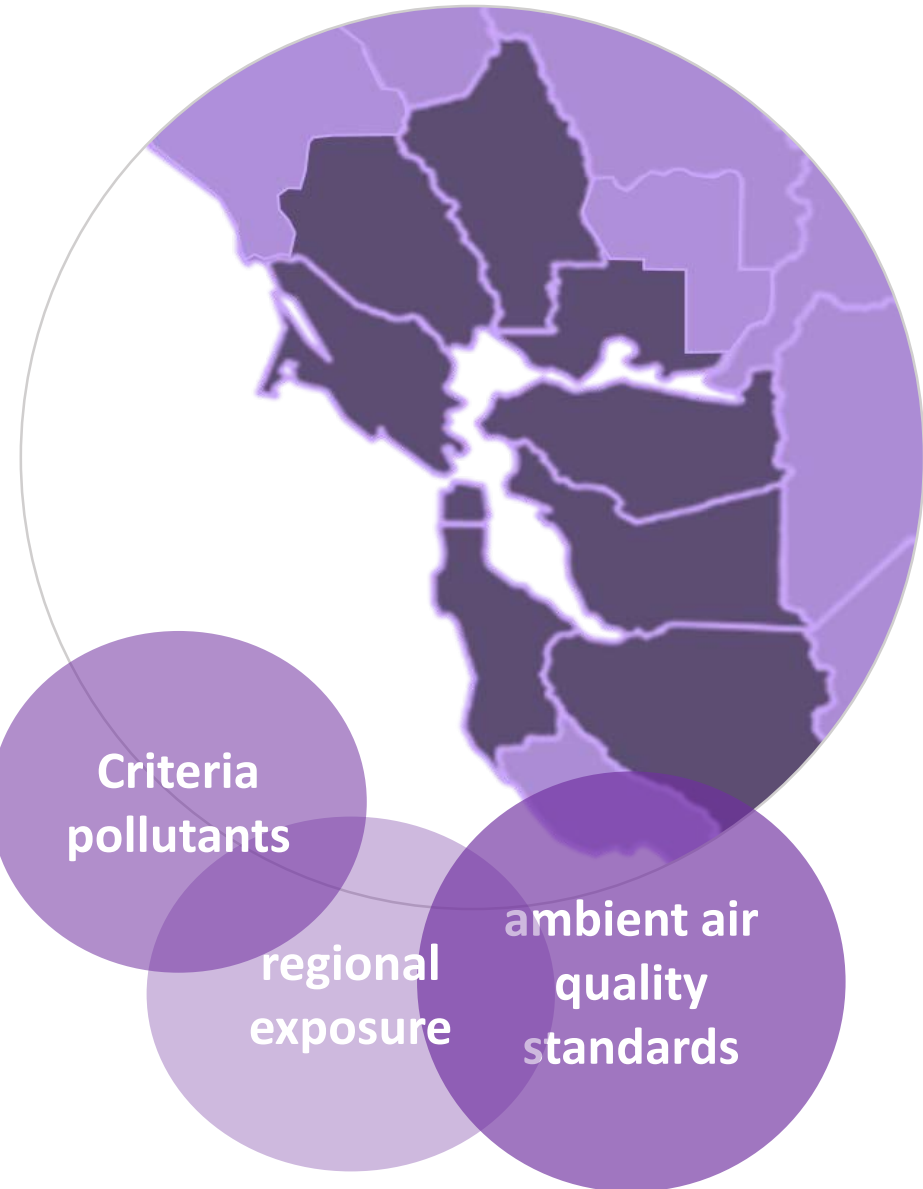
dose
susceptibility

1

Air Quality and Health

Community

Regional



Facility



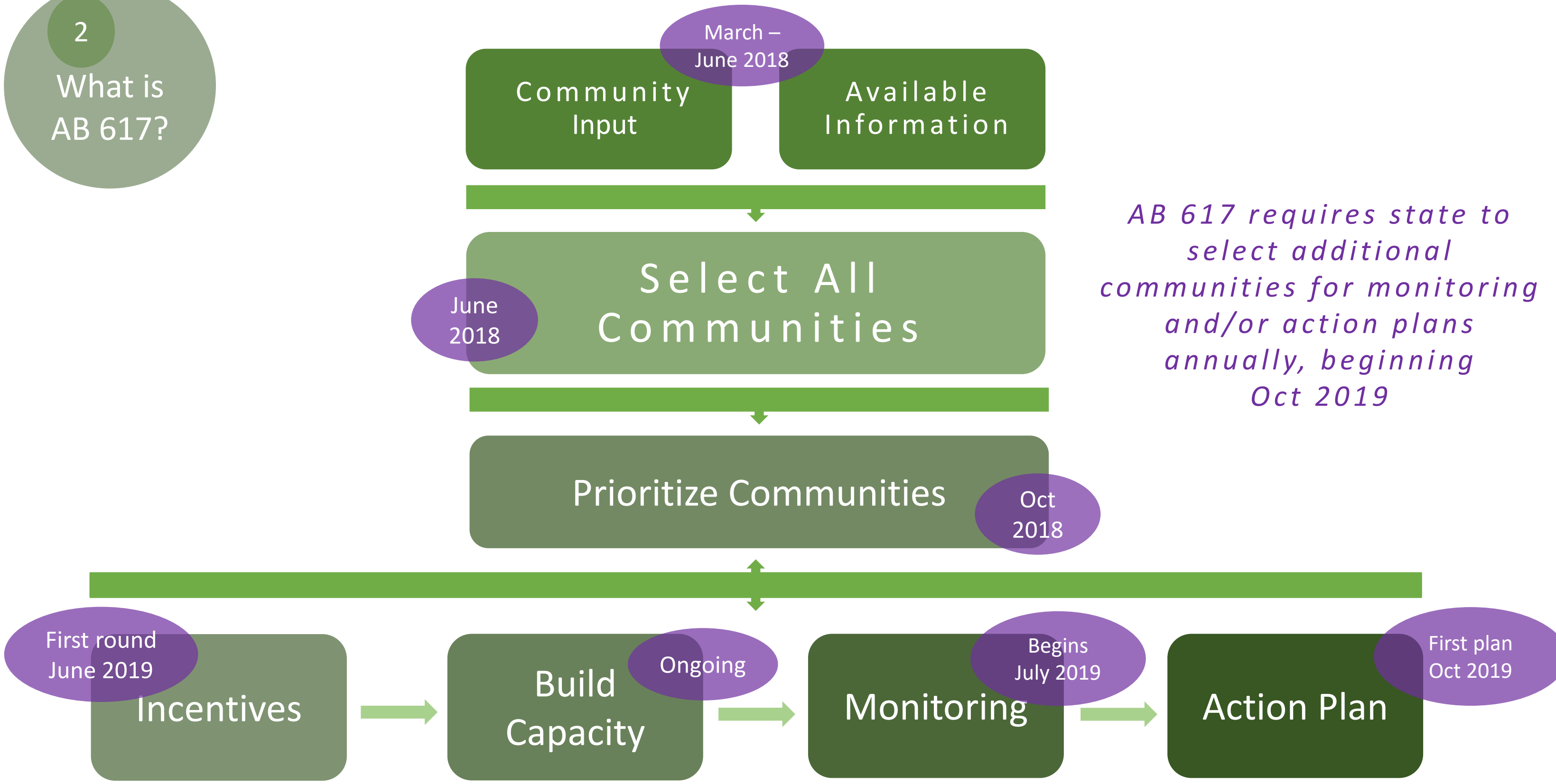
2

What is
AB 617?

Program Goals

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

2
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

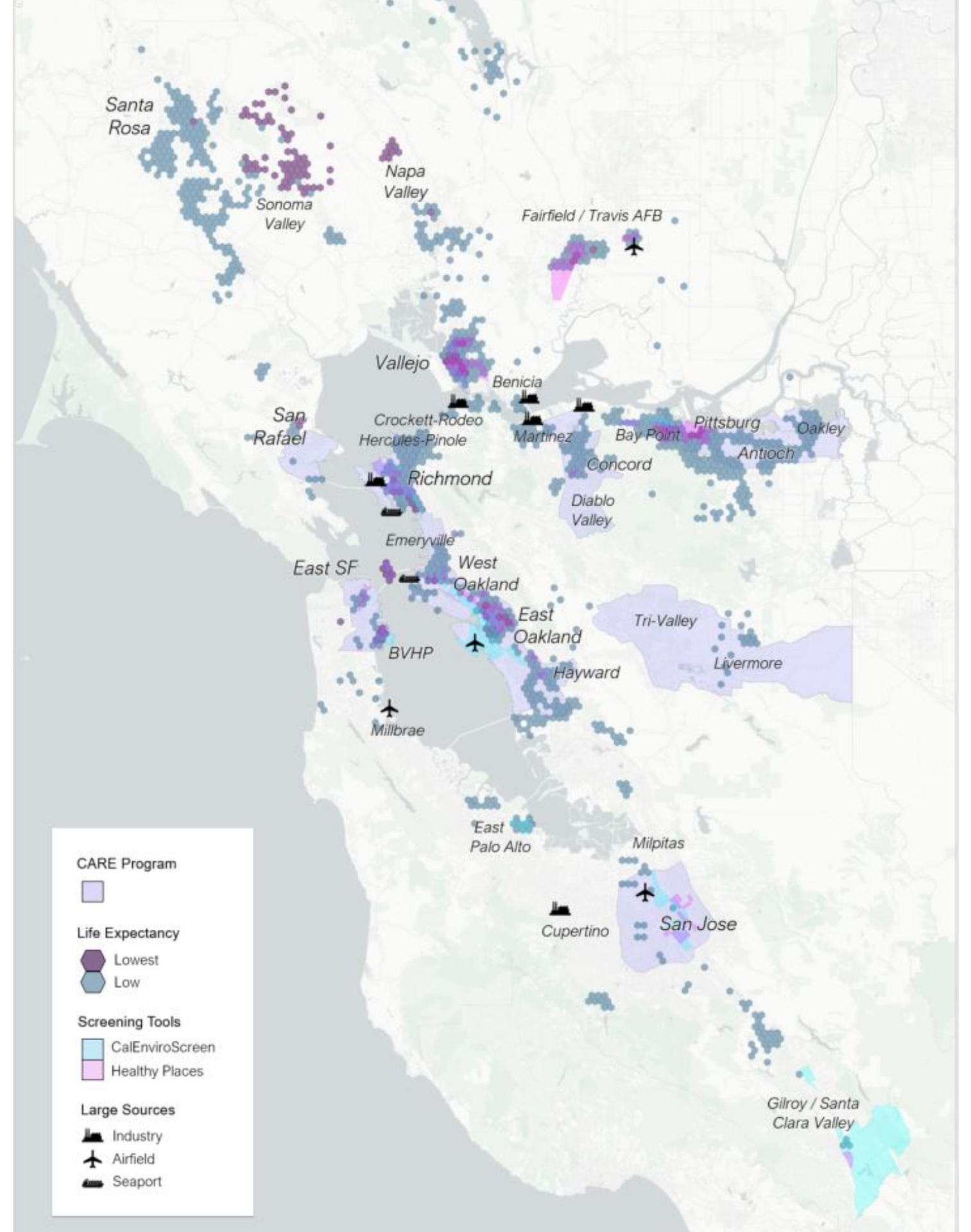
Airports

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

Airport

Organics recovery, waste facilities

Port of Oakland

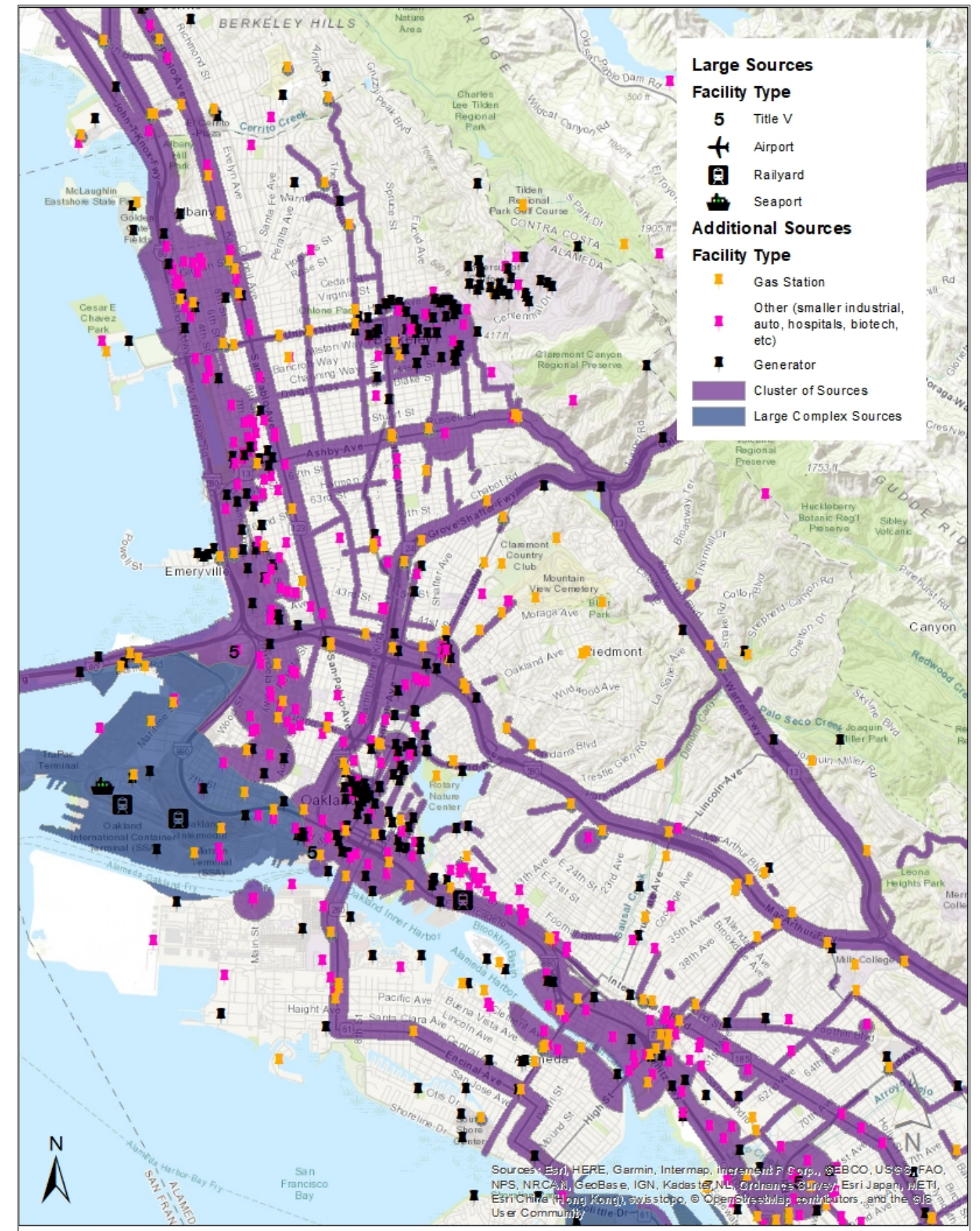
Cement and asphalt plants

Power plants

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

?

4

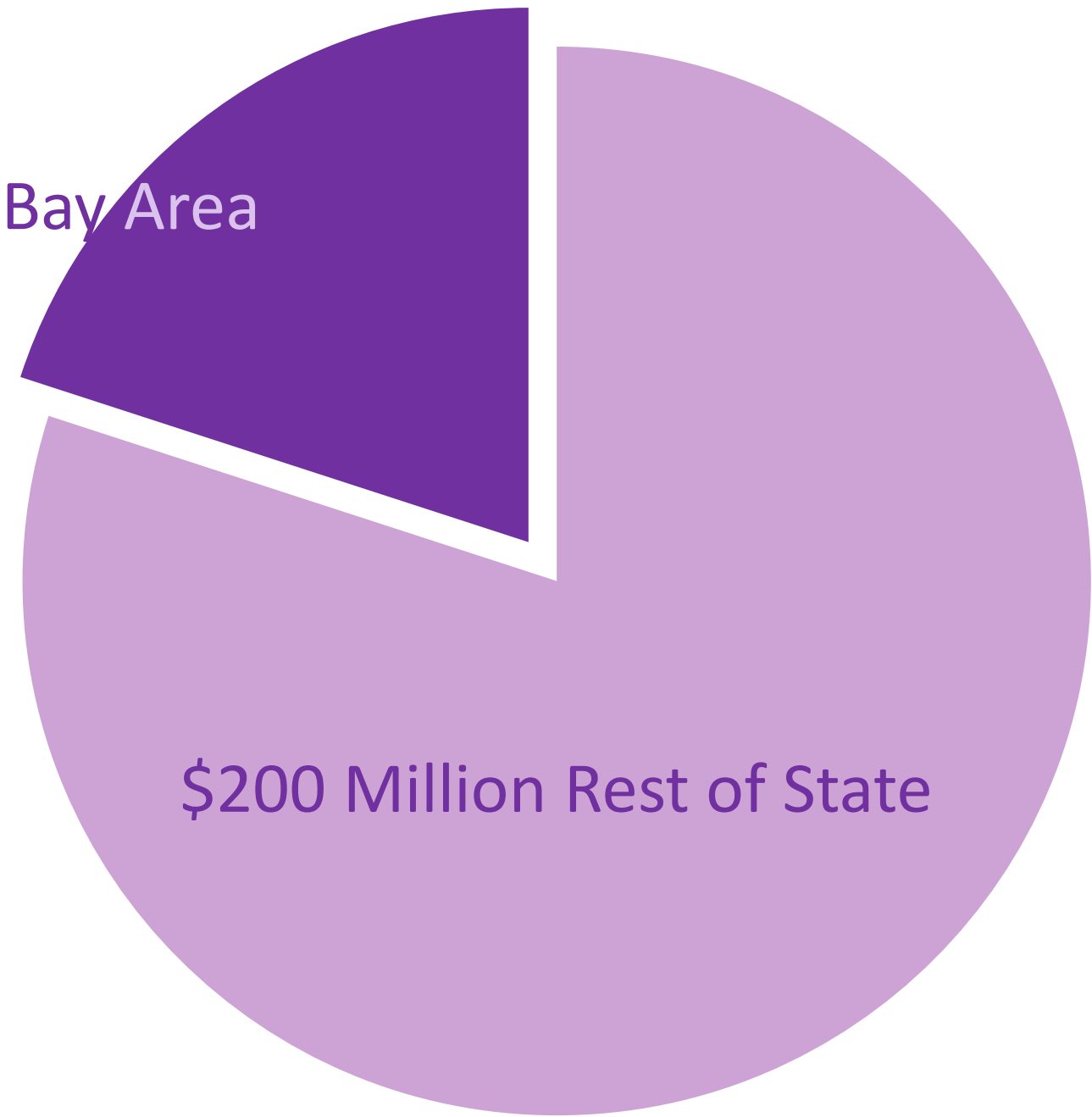
Resources
to Improve
Air Quality

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?