Improving Neighborhood Air Quality

AB 617: Community Health Protection Program

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1. 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
Community

Regional

Criteria pollutants
ambient air quality standards
regional exposure

Facility

toxics
health risk assessments

CARE (2004)
AB 617 (2017)
cumulative impacts

Air Quality and Health

Ambient air quality standards
toxics
health risk assessments

Regional Facility
Community

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Cumulative impacts

AB 617 (2017)

CARE (2004)
Program Goals

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

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

What is AB 617?

First round June 2019
Incentives

Ongoing
Build Capacity

Begins July 2019
Monitoring

First plan Oct 2019
Action Plan

Select All Communities

Community Input
Available Information

Prioritize Communities

March – June 2018
June 2018
Oct 2018

Oct 2019

First plan

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

What is AB 617?
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.
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

- CARE
- Areas with large sources
- Areas with health and pollution impacts
- Areas with low life expectancy
3 Select Communities for Action

Local View

- Power plants
- Organics recovery and waste facilities
- Airport
- Quarries
- Cement and asphalt plants
- Organic liquids storage and distribution
- Construction and agricultural equipment
- Freeways, roadways and rail
Waste facilities

Power plant

Agriculture sources and equipment

Freeways and roadways
How should we select communities for action?

Air Quality
- Fine particles
- Toxics

Health
- Life expectancy
- Lung disease
- Heart disease

Other Ideas
?
Resources to Improve Air Quality

Clean Technology Grants

Where should future money focus?

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

$50 Million to Bay Area

$200 Million Rest of State
• 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!
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?