AB617

Protecting Community Health

Regional Workshop
January 31, 2018

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Overview

• Community Health Protection in Bay Area
• CARE Program
• AB 617 Process in Bay Area
• Community Selection Criteria
• Getting Started
• Next Steps
Community Health Protection: An Air Quality Lens

Air Quality 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 Health Protection in the Bay Area

- Regional
- Facilities
- Communities
Regional-scale

- Considers regional population exposure to common sources
- Focus on carbon monoxide, lead, nitrogen dioxide, ozone, fine particles, sulfur dioxide
- Meeting ambient air quality standards
Facility-scale

- Single-source focused
- Focus on toxics
- Health risk assessments
Community-scale

- CARE program (2008)
- Focuses on cumulative impacts and community health
- Bridges gap between regional and facility planning
- AB 617 (2017)
CARE Program

- Complements traditional air quality planning
- Highlights communities most affected by high exposure and those vulnerable to air pollution
  - Maps areas of greater health impact based on cumulative air pollution levels and existing adverse health outcomes
  - Identifies **vulnerable communities**
- Strives to fill a gap in health protection between regional and facility-scale assessments

AB 617
Principles

• Community Driven
• Transparency
• Capacity Building
AB 617
Program
Goals

• Community Participation
• Eliminate Air Quality Disparities
• Continuous Evaluation and Improvement
AB 617
A Community-Driven Process

Develop Shared Vision
Identify Problems
Identify Solutions
Implement Solutions
Ensure Accountability
Track Progress

community driven
transparent
capacity building
Community Selection

State requires districts to work with communities to select all areas in the region that have a “high cumulative exposure burden” and therefore require community monitoring and/or actions plans.
## Criteria Under Consideration

<table>
<thead>
<tr>
<th>CARE</th>
<th>Additional Impacts¹</th>
<th>Other Large Sources</th>
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</table>
| • High pollutants  
  - fine particles  
  - toxics  
  - Ozone  
• Mortality  
• Cancer risk  
• Hospitalization and ER visits due to air pollution | • Asthma  
• Cardiovascular  
• Low birth weight  
• Diesel Exhaust  
• Traffic | • Oil refineries  
• Cement plants  
• Others? |

¹ As determined per CalEnviroScreen and Health Disadvantage Index
CARE Areas

Additional Impact Areas

Other Large Sources
Getting Started

• Incentives
• Early Actions
Incentives

Ample opportunity for community participation

• Community survey (ongoing): https://www.peakdemocracy.com/5809

• Feb 26th Oakland workshop with Air Resources Board

• Future AB 617 community workshops

• Input will be used to inform outreach and project identification processes
Incentives

• Newly available $50 million through Carl Moyer and Goods Movement Program
• Reduce diesel from mobile sources
• Prioritize impacted communities
• Dirty fleet replacement
• Voluntary participation
• Under contract by June 30, 2019; spent by June 30, 2021
West Oakland

- High PM$_{2.5}$ concentrations
- Very high mobile source emissions
  - Port of Oakland largest single source of DPM
  - Roadways contribute significantly to PM$_{2.5}$
- Low stationary source emissions
- High health burden
- High socio-economic vulnerability
- Concerns about new development at Port of Oakland and Oakland Army Base
Richmond

- Moderate PM$_{2.5}$ concentrations
- Very high stationary source emissions
  - Chevron refinery, chemical plant, landfills, water treatment facility
- High mobile source emissions

Monitoring

- High health burden
- High socio-economic vulnerability
Questions

• What do you think about the draft criteria?

• What other areas should be included and why?

• How can we help you participate?
Feb 2018
Begin Community Meetings

Feb 2018
Outreach Plan

Feb/March 2018
Air District Board Meeting
State Community Meetings

April 2018
Final Selection of ALL Possible Communities

July 2018
Final Selection of Priority Communities

What’s Next?
Thank you for being here

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