OVERVIEW OF AB 617
COMMUNITY AIR PROTECTION PROGRAM
SCIENTIFIC REVIEW PANEL: JUNE 12, 2018
• Historical focus on regional air quality
• Significant improvement, but disproportionate burdens remain
• Need for community-level focus
• Address cumulative exposure
• Take advantage of advances in monitoring technologies

MOTIVATION FOR AB 617
## FOCUS ON COMMUNITY ACTION

<table>
<thead>
<tr>
<th>AB 617 Elements</th>
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<tbody>
<tr>
<td></td>
<td>▪ Community emissions reduction programs</td>
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<td></td>
<td>▪ Accelerated retrofit of pollution controls on industrial facilities</td>
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<td></td>
<td>▪ Community-level air quality monitoring</td>
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<td>▪ Enhanced emissions reporting</td>
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<td>▪ Increased penalty provisions</td>
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<td>▪ Grants to local community groups</td>
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<tr>
<td>Date</td>
<td>Event Description</td>
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<tr>
<td>September 2018</td>
<td>• <strong>CARB</strong>: Select initial communities and adopt planning framework for monitoring and emissions reduction programs</td>
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<tr>
<td>January 2019</td>
<td>• <strong>Air Districts</strong>: Adopt expedited schedule for implementation of Best Available Retrofit Control Technology (BARCT)</td>
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<td>July 2019</td>
<td>• <strong>Air Districts</strong>: Deploy community air monitoring</td>
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<td>October 2019</td>
<td>• <strong>Air Districts</strong>: Adopt community emissions reduction programs</td>
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<td>Fall 2019</td>
<td>• <strong>CARB</strong>: Select additional communities (and annually thereafter)</td>
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<td>December 2023</td>
<td>• <strong>Air Districts</strong>: Implement BARCT requirements</td>
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SELECTING INITIAL COMMUNITIES

1. Identification of Potential Communities
   - Expect up to 10 communities in first year of program
   - Reflect variety of regions and pollution sources
   - Serve as models for other communities
2. Assessment of Exposure Burdens
   - Received initial air district submittals in April
3. Selection of Initial Communities
   - Community nominations ongoing
FACTORS TO ASSESS CUMULATIVE EXPOSURE

Exposure to Air Pollution
- Concentrations of criteria and toxic air pollutants
- Density/magnitude of emissions sources
- Cancer risk estimates based on air quality modeling

Sensitive populations
- Sensitive populations located in close proximity to mobile and stationary emissions sources of concern

Other measures of vulnerability
- Public health indicators
- Socioeconomic factors
## Community Emissions Reduction Program Elements

### Engagement
- Community steering committees
- Public outreach

### Targets
- Emission reduction targets
- Technology deployment goals
- Compliance goals
- Exposure reduction goals
- Milestones

### Strategies
- Regulations
- Risk Reduction Audits
- Permitting
- Incentives
- Mitigation
- Land Use engagement

### Enforcement
- Enforcement history
- Enforcement plan

### Tracking
- Metrics
- Annual reports
COMMUNITY AIR MONITORING PROGRAM ELEMENTS

- Assess capabilities of air monitoring technologies
- Review existing community air monitoring networks
- Provide criteria for community air monitoring
- Support data display and communication
TECHNOLOGY CLEARINGHOUSE

- Best available control technologies
- Stationary, area-wide, and mobile sources

EMISSIONS REPORTING

- Annual reporting for specified facilities
- Development of uniform methodologies

RESOURCE CENTER

- Land use and transportation best practices
- Community air monitoring resources
- Education and outreach
OVERVIEW OF AB 617 EMISSIONS REPORTING REQUIREMENTS

- Annual reporting of criteria and toxics emissions data for specified stationary sources
- Uniform, statewide reporting system
- Allows for collection of other relevant facility-level data
- Provides options for data certification or verification
INCENTIVE FUNDING FOR CLEANER TECHNOLOGIES

- 2017-2018 State Budget:
  - $250 million in funding for immediate reductions from mobile sources
- Proposed 2018 – 2019 State Budget
  - Additional funding for both mobile and stationary sources
COMMUNITY AIR GRANTS

- $5 million in grant funding to support:
  - capacity building and training
  - technical assistance
  - community engagement

- Solicitation released late February

- Awards and additional $5 million funding announced (contingent on FY 18-19 budget)
<table>
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<tr>
<th>Month</th>
<th>Event Description</th>
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<tr>
<td>June 2018</td>
<td>• Draft Blueprint released</td>
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<tr>
<td>June 2018</td>
<td>• CARB Board Update</td>
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<tr>
<td>June - July 2018</td>
<td>• Workshops/Community Tours/Consultation Group</td>
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<tr>
<td>August 2018</td>
<td>• Final Blueprint and recommendations for community selection released</td>
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<tr>
<td>September 2018</td>
<td>• CARB Board Meeting to consider community selection &amp; Blueprint</td>
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DISCUSSION QUESTIONS

- What factors should be considered in assessing the cumulative exposure burden in recommended communities?
- How can the enhanced air monitoring and emissions reporting data be used to support improved health assessments?
- What are the most effective methods for communicating health risk to community members?