



Transforming California's Approach to Community Air Pollution

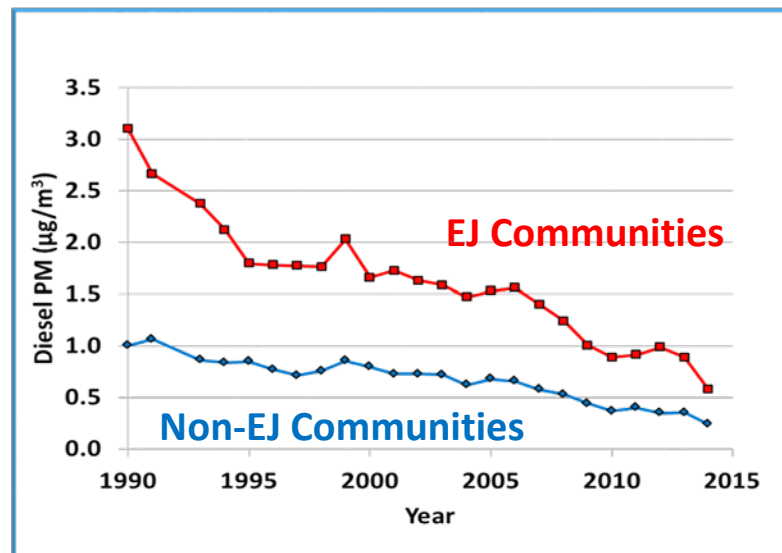
*New Community Air Protection Program Established
under AB 617*



March 2, 2018

Motivation for AB 617

- 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



AB 617 Components

Statewide System of Annual Emissions Reporting

Statewide Strategy

BARCT Schedules

Community Emission Reduction Programs

Technology Clearinghouse

Assessment and Identification of Communities

Increased Penalties

Assessment of Sources

Monitoring Plan

Assessment of Risk Reduction Audits

Community Air Monitoring Systems

Grants for Community-based Organizations

Community Identification

- Prioritize communities with highest exposure burdens
 - Deployment of community air monitoring
 - Development of community emission reduction programs
- Focus on disadvantaged communities and sensitive receptor locations



Community Assessment and Identification Process

Proposing process that draws upon both statewide assessment and local knowledge:

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Air district recommendations

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Community recommendations

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CARB criteria and assessment to ensure systematic
statewide process

Selection of Communities

Possible Data Sources

State

- CalEnviroScreen 3.0
- California Emission Inventory
- CARB Air Pollution Mapping Tool
- Hotspots Analysis and Reporting Program
- Statewide air quality monitoring data
- EJSM

District

- Community-scale emission inventories
- Community air quality monitoring and special studies.
- Regional or local air quality modeling.
- Health risk assessments

Federal

- National Emission Inventory
- Risk Screening Environmental Indicators model
- U.S. EPA Environmental Justice Screening

Community Air Protection Program Framework

Monitoring Plan

- Review capabilities of air monitoring technologies
- Review existing community air monitoring systems
- Establish criteria and guidance on monitoring best practices

Statewide Strategy

- Develop methods for assessing exposure and contributing sources
- Identify strategies for reducing emissions
- Establish criteria for community emissions reduction programs

Community Air Protection Program Framework Concept Paper

- Development of AB 617 is still in the early stages
- Draft Concept Paper provides staff's initial proposals
- Informed by public outreach to date
- Provides mechanism to seek advice and feedback to guide efforts going forward



Concept Paper Elements

- Identification and Selection of Communities
- Strategies for Reducing Emissions and Exposure
- Criteria for Community Emissions Reduction Programs
- Criteria for Community Air Monitoring
- Additional Implementation Elements

Strategies for Reducing Exposure and Emissions

- Develop list of existing and available measures to reduce emissions from mobile and stationary source
- Existing planning efforts will provide foundational reductions
- Community emission reduction programs will identify additional community-specific reduction strategies
- Comprehensive approach to leverage existing authorities along with innovative new strategies

Proposed Community Emissions Reduction Programs Elements

AB 617 Requirements

- Emission reduction targets
- Specific reduction strategies
- Implementation schedule
- Enforcement plan

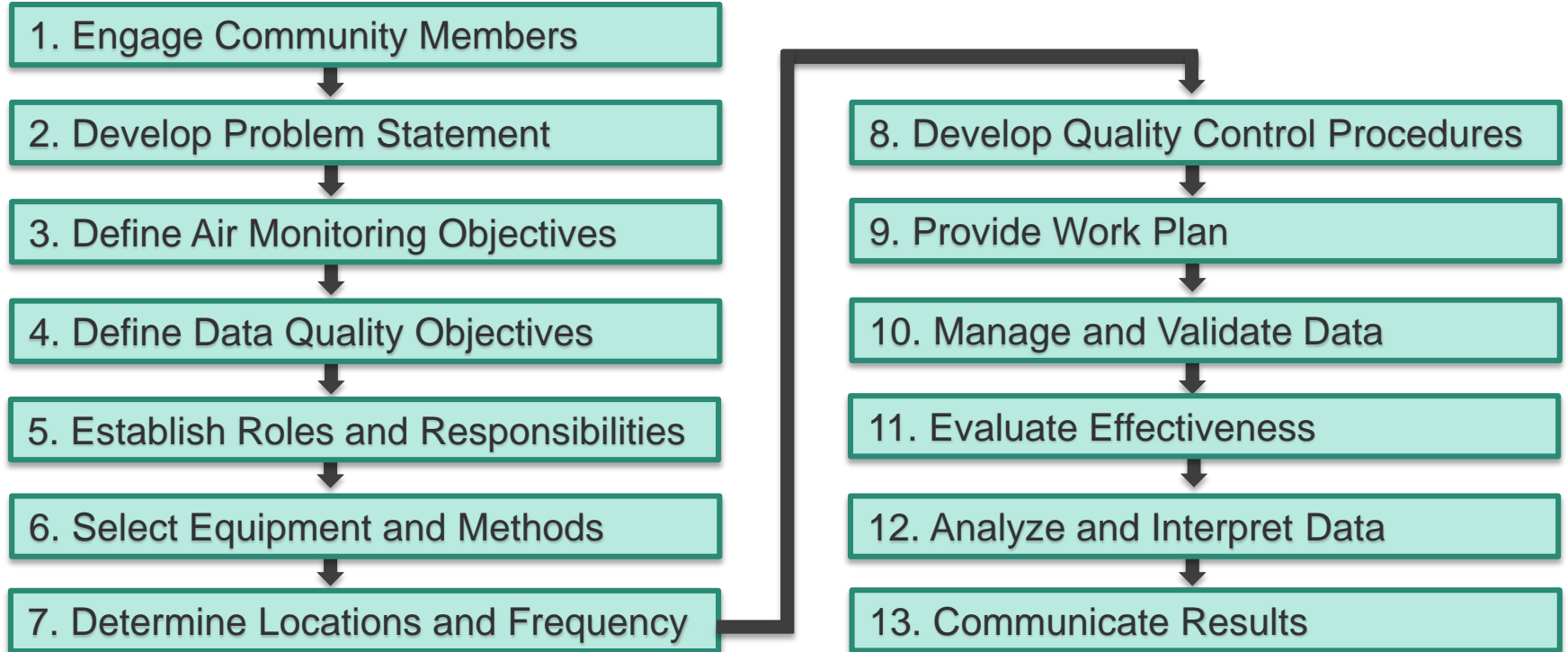
Additional Elements

- Air quality goals
- Metrics to track progress
- Community steering committee
- Public engagement plan

CEQA analysis

- CEQA analysis on programs as applicable

Proposed Community Air Monitoring Plan Elements



Community Engagement

Community partnerships

- Form a community steering committee

Robust public process

- Regional workshops
- Community-level informational meetings
- Translated materials and interpretation services
- A designated contact person
- A dedicated website
- Air district board hearings



Resources for Outreach, Land Use, and Transportation Strategies

Provide tools and resources on best practices to support communities and air districts

By October 2018

- Compile existing resources
- List of best practices and strategies not included in existing resources

After October 2018

- Update existing resources
- Develop new best practices documents and model ordinances
- Tool development
- Incorporation into Technology Clearinghouse

Resources for Community Air Monitoring

- Review monitoring technologies and build from success of existing community monitoring networks
- Leverage advanced air monitoring technology
- Improve existing technologies and help bring new technologies to market
- Support community science
- Provide air sensors to air districts



Community Air Monitoring Resource Center

Data interpretation tools



Links to resources, best practices



Criteria for Air Monitoring Plans

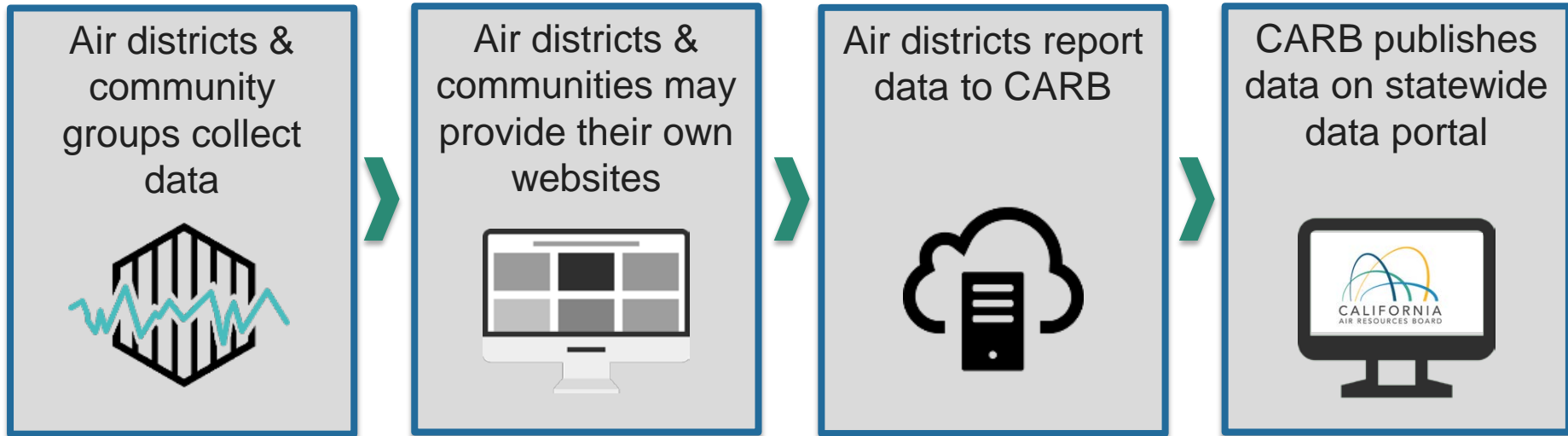


Air monitoring updates

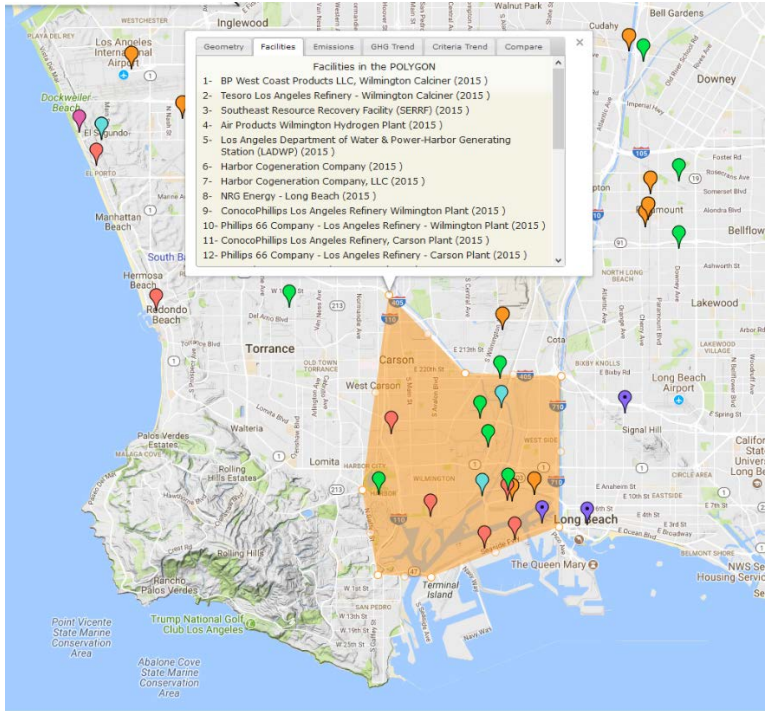


Data Display and Communication

- Data collected by community air monitoring campaigns must be publicly stored and accessible



Enhanced Emission Reporting



- Annual reporting of emissions for larger stationary sources
- Reporting of other relevant facility-level emissions data
- Uniform, statewide reporting methodologies
- Allows for certification or verification of annual emissions
- Proposing phased reporting regulation

Technology Clearinghouse

- Resource to help identify most stringent controls available for community emissions reduction programs as well as support technology advancement
- Proposed clearinghouse will contain:
 - Control technology determinations (BACT and T-BACT)
 - Rules and measures (stationary, mobile, and area-wide)
 - Emerging zero and near-zero control technologies
- Users will have ability to visualize data and compare controls statewide

\$255M for Communities

\$250 Million for Targeted Incentive Funding to Support Early Actions

CLEAN TECHNOLOGY INCENTIVES – \$250 MILLION



\$5 M for Community Assistance Grants

- Funding to support:
 - ✓ Capacity building – training and support
 - ✓ Assistance for community led air monitoring
 - ✓ Technical assistance
- Solicitation to be released Early February

Commitment to Ongoing Public Engagement

- Comprehensive and collaborative public process involving all stakeholders
- Ongoing opportunities throughout all stages of program development and implementation
- Multiple forums for technical and policy discussion



LOCAL
AIR DISTRICTS



COMMUNITY
GROUPS



ENVIRONMENTAL
ORGANIZATIONS



INDUSTRY

Next Steps

Winter
2018

- Draft Concepts; Summit and Community Meetings

March
2018

- Board Meeting Update

May
2018

- Draft Planning Documents

June
2018

- Workshops and Community Meetings

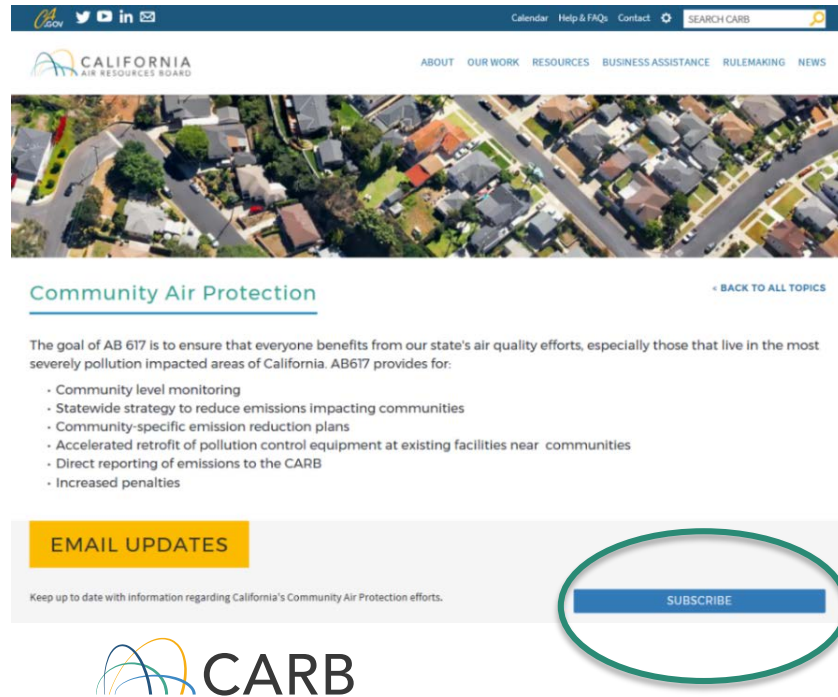
September
2018

- Board Meeting to consider Final Planning Documents

Contact Us

CARB Office of Community Air Protection

- Website:
 - <https://ww2.arb.ca.gov/our-work/programs/community-air-protection-program-ab617>
- Email
 - CommunityAir@arb.ca.gov
 - AireComunitario@arb.ca.gov
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Community Air Protection

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The goal of AB 617 is to ensure that everyone benefits from our state's air quality efforts, especially those that live in the most severely pollution impacted areas of California. AB617 provides for:

- Community level monitoring
- Statewide strategy to reduce emissions impacting communities
- Community-specific emission reduction plans
- Accelerated retrofit of pollution control equipment at existing facilities near communities
- Direct reporting of emissions to the CARB
- Increased penalties

EMAIL UPDATES

Keep up to date with information regarding California's Community Air Protection efforts.

SUBSCRIBE

