



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

**AGENDA: 8**

# **Assembly Bill 617 Update**

**Eric Stevenson  
Director of Meteorology and Measurement**

**Board of Directors Meeting  
October 4, 2017**



# Overview

- Background/Air District leadership
- Assembly Bill 617 (AB 617) Components
- AB 617 requirements and Air District approaches already in place addressing the issues
- Collaborations and timelines
- Next Steps



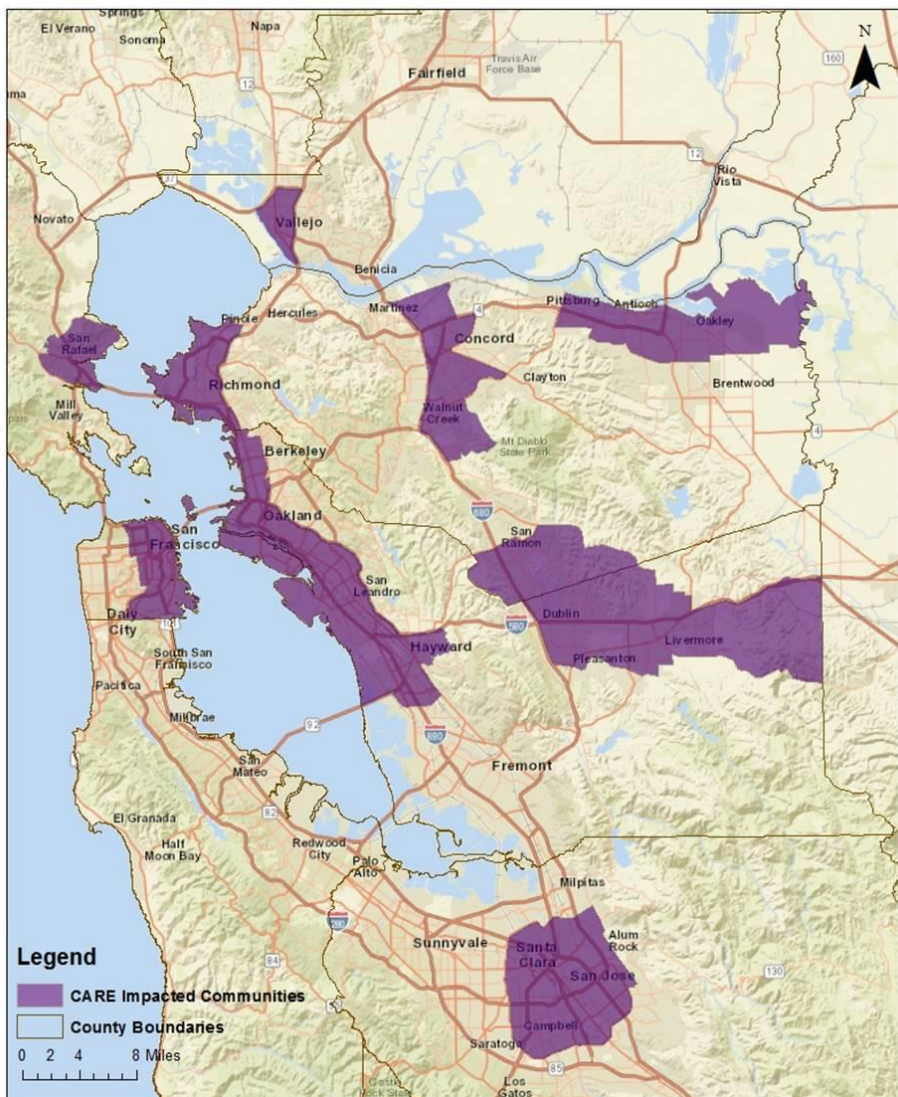


# Healthy Air for All Bay Area Residents

Community Air Risk Evaluation (CARE) Program identifies Bay Area communities most impacted by air pollution

Regionally: *reduce ozone and PM emissions* to assure long-term compliance with air quality standards

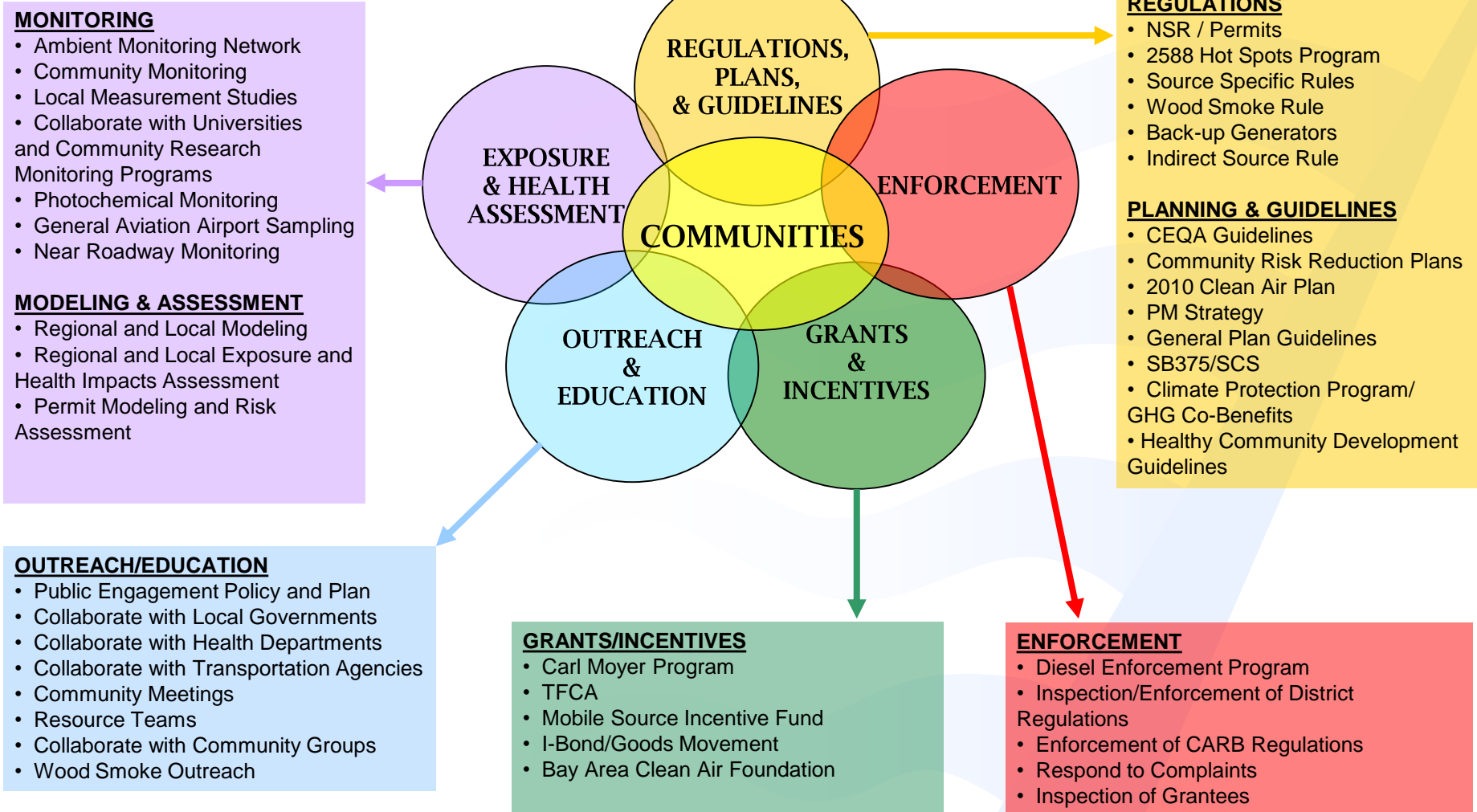
Locally: *eliminate disparities* in local exposure to air pollution





# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

## Clean Air Communities Initiative





# Air District Leadership

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- Reduced PM<sub>2.5</sub> by half in West Oakland through incentive funding
- Community grants awarded to impacted areas
- Charging refineries for monitoring in nearby communities
- CARE communities identified
- Developed and updating Public Participation Plan to encourage transparent communication with communities and other stakeholders

The top left corner of the slide features a photograph of the Golden Gate Bridge in San Francisco, showing its iconic orange-red towers and suspension cables against a clear blue sky. The bridge spans across a body of water, with a large, light-colored building visible on the shore in the foreground.

# AB 617 Components

- Require additional air monitoring in impacted communities
- Reduce air pollution in impacted communities
- Develop clearinghouse for Best Available Retrofit Control Technology (BARCT) and require air districts to adopt BARCT rules
- Require uniform reporting of emissions inventories
- Increase allowable fines (\$5,000 per day)





# Air Monitoring in Impacted Communities

**AB 617 Requirement** – State/air districts to enhance air monitoring in impacted communities.

## **Air District efforts already under way**

- Identifying additional air monitoring locations in refinery communities.
- Assembling available data to help identify additional locations for potential monitoring (health outcomes, modeling, short term studies, etc.).
- Working with equipment manufacturers, NGOs, South Coast AQMD, universities and other groups to identify cutting edge equipment.



# Emission Reduction Plans

**AB 617 Requirement** – Identify areas impacted by criteria pollutants and Toxic Air Contaminants (TACs) and develop Emission Reduction Plans to reduce those impacts.

## **Air District efforts already under way**

- Continued reduction of criteria pollutants
- Regulation 11, Rule 18 will require existing stationary sources to reduce risk from TACs to the lowest levels in the State
- Already adopted Regulation 2, Rule 5 to reduce TACs from new sources.
- CARE Program/Community Risk Reduction plans
- Planning Healthy Places Guidebook





# BARCT Requirements

**AB 617 Requirement** – State to develop a clearinghouse to define BARCT for stationary sources. Air districts to enact additional BARCT rules.

## **Air District efforts already under way**

- The 2017 Clean Air Plan evaluated all rules to determine which needed to be updated.
- Staff currently reviewing and prioritizing rules to ensure that this requirement is met.

The background of the slide features a night-time photograph of the San Francisco skyline, including the Golden Gate Bridge and various skyscrapers, reflected in the water. The title 'Emissions Inventory Reporting' is overlaid on the right side of this image in a large, bold, dark blue font with a white outline.

# Emissions Inventory Reporting

**AB 617 Requirement** – State to develop uniform emissions inventory reporting requirements for criteria pollutants and TACs and require sources to submit this information to the State.

## **Air District efforts already under way**

- Regulation 12, Rule 15 requires the use of uniform reporting of emissions inventories based on guidance produced and updated to incorporate the latest emissions information available.
- Regulation 11, Rule 18 will result in accurate, uniform emissions inventory for TACs to ensure health risk to the lowest levels achievable.

# Working with Partners and Timelines in AB 617

- Conference calls every week with CARB and South Coast AQMD to discuss issues and develop plans forward.
- Working with other agencies, NGOs, universities and communities to hear ideas and receive feedback.

## **Timelines for implementation are extremely aggressive and will require a refocus of Air District resources**

- Air monitoring – deploy first stages by July 1, 2019 (Additions possible by Jan. 1, 2020 and annually thereafter).
- Emission Reduction Plans - Once an area is identified as being impacted, a reduction plan must be in place within a year
- BARCT Rules – Adoption of rules by Jan. 1, 2019 and implemented by Dec. 31, 2023



# Next Steps

- Continue to work with partners to implement AB 617.
- Timelines and legislative requirements will result in a need for an increase in resources.
  - Staff is working to identify appropriate staffing increases and capital needs.
  - Working with the State and other air districts to receive appropriate reimbursement for expected expenses.
- Continue to reach out to communities and other partners to identify needs, address issues and improve air quality.



# ***Executive Officer's Report***

**Jack P. Broadbent**

**Board of Director's Regular Meeting  
Wednesday, October 4, 2017**



# Background

- Refinery focus of extensive rulemaking
- Board Goal:
  - Develop additional rules to reduce refinery emissions by 20% by 2020, or as much as feasible
- Regulation 12, Rule 16 brought to the June 21, 2017 Board meeting for final consideration



# Regulation 12, Rule 16

- Create a backstop to ensure GHG emissions do not increase
- Rule ensures that emissions do not increase due to extreme crudes



# Assembly Bill 398

- Extends Cap and Trade Program through 2030
- Half of offsets must be generated in California
- Price ceiling to guard against price shocks
- Preempts local air districts from regulating CO2 from sources under Cap and Trade
- Restricts CARB from direct emission reduction measures for refineries and oil/gas industry
- Effective immediately





# Air District GHG Regulatory Authority

- Preempted from requiring CO<sub>2</sub> reductions from sources under Cap and Trade Program
- Retain authority to regulate methane & other non-CO<sub>2</sub> emissions from sources under Cap & Trade Program
- Retain authority to regulate all GHG emissions from sources not subject to Cap & Trade



# Moving Forward

- Track Crude Slates and Emissions
- Consider Regulation 11, Rule 18
- Consider Criteria Contaminants Rules
- Establish Ad Hoc Refinery Oversight Committee



# **AD HOC REFINERY OVERSIGHT COMMITTEE**

**Supervisor Cindy Chavez (Chair)**

**Supervisor Nate Miley (Vice-Chair)**

**Mayor Pauline Russo Cutter**

**Supervisor Carole Groom**

**Councilmember Mark Ross**

**Mayor Pete Sanchez**

**Mayor Rod Sinks**

