



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# **An Introduction to the Air District**

**Legislative Committee Meeting  
January 15, 2020**

**Alan Abbs  
Legislative Officer**

# Bay Area Air Quality Management District (BAAQMD)



- Established in 1955 by State Law
- Delegated Authority to Implement Federal and State Laws
- 24-Member Board of Local Elected Officials
  - Oversees Policies
  - Adopts regulations to reduce air pollution in the Bay Area

- *101 cities*
- *7.5 million people*
- *9 counties*

# BAAQMD (Continued...)



- **VISION**

- ✓ A Healthy Breathing Environment for Every Bay Area Resident

- **MISSION**

- ✓ To Protect and Improve Public Health, Air Quality, and the Global Climate

### **Overall Approach**

- ✓ Permits and Regulations
- ✓ Grants/Incentives
- ✓ Education Awareness Programs
- ✓ Partnering with Communities

# What Does the Air District Do?



## Monitor, Analyze and Forecast Air Quality

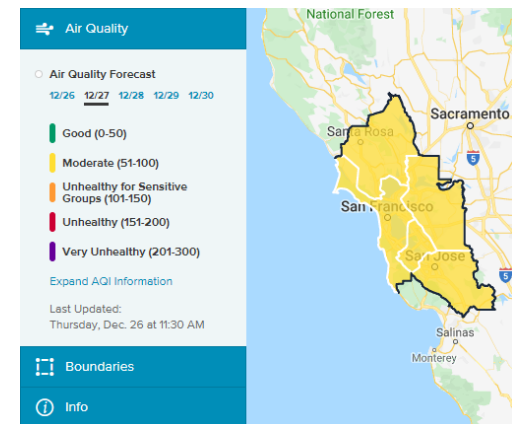
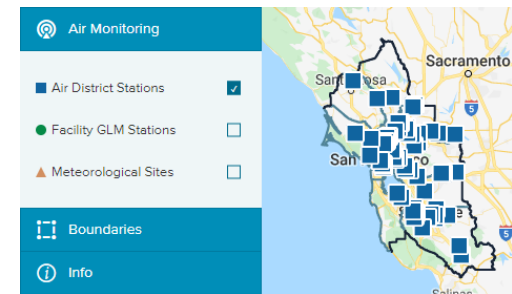
The Air District maintains one of the most comprehensive air quality monitoring networks in the country, consisting of over 30 stations distributed among the nine Bay Area counties.

### This information is used to:

- Determine compliance with state and federal air quality standards
- Prepare air quality forecasts
- Develop air quality plans
- Provide information for permit modeling
- Prepare environmental impact reports
- Track air quality trends

### Pollutants measured by the monitoring network include:

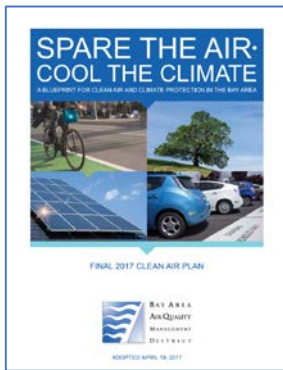
- Ground-level ozone
- Carbon monoxide
- Nitrogen oxides
- Sulfur dioxide/oxides
- Particulate matter
- Hydrogen sulfide



# What Does the Air District Do? (Continued...)

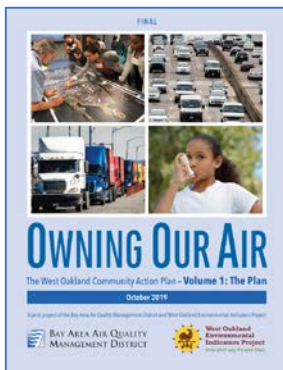


## Develop Air Quality Plans and Regulations



### 2017 Clean Air Plan Includes:

- Limit fossil fuel combustion
- Stop methane leaks
- Reduce toxics exposure
- Promote low-carbon building and community choice aggression



### Assembly Bill (AB) 617 (C. Garcia; Chapter 136, Statutes of 2017)

- West Oakland Community Emission Reduction Plan
- Richmond Community Monitoring Plan
- Partnering with other impacted communities
- Neighborhood-scale air monitoring across the Bay Area

# What Does the Air District Do? (Continued...)



## Issue Air Quality Permits

- Over 10,000 sources in the region
- Authorities to construct, permits to operate, certificates of registration, and exemptions
- Asbestos demolition/renovations
- Federal Title V Permits
- Ensure the use of Best Available Control Technology (BACT)
- Protection of public health for all new and modified sources

# What Does the Air District Do? (Continued...)



## Adopt and Implement Air Quality Rules

- Regulation 1: General Provisions and Definitions (1)
- Regulation 2: Permitting Rules (10)
- Regulation 5: Open Burning (1)
- Regulation 6: Particulate Matter Rules (6)
- Regulation 8: Organic Compound Rules (49)
- Regulation 9: Inorganic Gaseous Pollutants (14)
- Regulation 10: Standards of Performance for New Stationary Sources (1)
- Regulation 11: Hazardous Pollutants (18)
- Regulation 12: Miscellaneous Standards of Performance (16)
- Regulation 14: Mobile Source Emissions Reduction Measures (1)

# What Does the Air District Do? (Continued...)



## Enforce Air Quality Rules

- Issue advisories
- Compliance assistance
- Inspections
- Variances
- Investigate complaints
- Issue notices of violations
- Partner with communities to identify sources of concern



# What Does the Air District Do? (Continued...)



## Distribute Clean Air Grants and Incentives

Carl Moyer, Vehicle Buy-Back, Clean Cars for All, Vehicle Trip Reduction, West Oakland Zero-Emission



On-Road Vehicles	Off-Road Vehicles & Equipment	VMT and Trip Reduction	Community and Residents	Passthrough
Cars, trucks, buses, and fueling infrastructure	Locomotives, marine, and other	Bicycle facilities, Spare the Air, and other trip reduction solutions	Woodsmoke reduction, climate action, and community capacity building	County Transportation Agencies
<b>\$21M</b>	<b>\$31M</b>	<b>\$10M</b>	<b>\$1M</b>	<b>\$10M</b>

# What's in the Air in the Bay Area?



**There are 4 major air pollution concerns in the Bay Area:**

**1**  **Ozone**

**Cars and trucks are the #1 source of smog-forming emissions**

**2**  **Particulate Matter**

**Wood burning is the #1 source of air pollution in the winter**

**3**  **Toxic Air Contaminants**

**Diesel particulate matter is the major toxic air contaminant of concern**

**4**  **Greenhouse Gases**

<b>Source Sector</b>	<b>MMTCO<sub>2</sub>eq</b>	<b>(CY2015)</b>
All Facilities with Permits	28.6	34%
Refineries and Related Facilities	16.7	20%
Power Plants	7.0	8%
Other Facilities with Permits	4.9	6%
On-Road Cars and Trucks	29.6	35%
Buildings (Commercial + Residential)	8.9	11%
All Other GHG Sources	17.6	21%
<b>Total</b>	<b>84.7</b>	<b>100%</b>

# 2020 Air District Initiatives



## **AB 617**

- Continue current work in West Oakland and Richmond/San Pablo
- Begin groundwork in East Oakland, eastern San Francisco, Pittsburg, San Jose, Tri-Valley, and Vallejo
- Sponsorship of Indirect Source Bill
- Distribute incentives to reduce emissions and impacts in AB 617 communities

## **Forest Health and Wildfire Smoke**

- Continue rulemaking on prescribed fire and year-round Spare the Air
- Work with California Air Resources Board to develop guidelines for implementing clean air center program
- AB 836 (Wicks; Chapter 393, Statutes of 2019)
- Continue improvement of public health outreach efforts

## **Particulate Matter Focus**

- Particulate matter kills thousands of Bay Area residents annually, even though we meet the federal health standard
- Engage nationally recognized science and health experts
- Identify new health-focused policy responses

# 2020 Air District Initiatives (Continued...)



## **Climate Change**

- Clean Tech Finance Program
- Methane Rules
- Building Decarbonization

## **Toxics Reductions**

- Stationary Source Air Toxics Rule 11-18
- Refinery Rulemaking
- Diesel Free by '33

## **Incentive Programs**

- Freight Sector Incentives (Port and Railyard)
- Transportation (Heavy-Duty and Medium-Duty Trucks, Transit)
- Clean Cars for All
- Electric Vehicle Infrastructure

# Contact Us



**Bay Area Air Quality Management District**  
**375 Beale Street, Suite 600**  
**San Francisco, CA 94105**

**General Business:** (415) 749-5000

**Public Information:** (415) 749-4900

**Compliance Assistance:** (415) 749-4999

**Engineering Services:** (415) 749-4990

**Air Pollution Complaints:** (800) 334-ODOR (6367)

**Winter Spare the Air Alerts:** (877) 4-NO-BURN (466-2876)

**Air Quality Info:** (800) HELP AIR (435-7247)

- Daily Air Quality Forecasts
- Agriculture Burn Days

**Report Smoking Vehicles:** (800) EXHAUST (394-2878)

[www.SmokingVehicleHelp.org](http://www.SmokingVehicleHelp.org)

**Websites:**

[www.baaqmd.gov](http://www.baaqmd.gov)

[www.sparetheair.org](http://www.sparetheair.org)

[www.facebook.com/bayareaairdistrict](https://www.facebook.com/bayareaairdistrict)

[twitter.com/airdistrict](https://twitter.com/airdistrict)

**ALAN ABBS**  
*Legislative Officer*  
**EXECUTIVE OFFICE**

**Tel:** (415) 749-8437

**Fax:** (415) 928-8560

**Cell:** (916) 769-7769

[aabbs@baaqmd.gov](mailto:aabbs@baaqmd.gov)