



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

**AGENDA: 17**

# **Board of Directors Retreat / Special Meeting**

**January 29, 2020**

**Jack P. Broadbent  
Executive Officer/APCO**

# Opening Comments



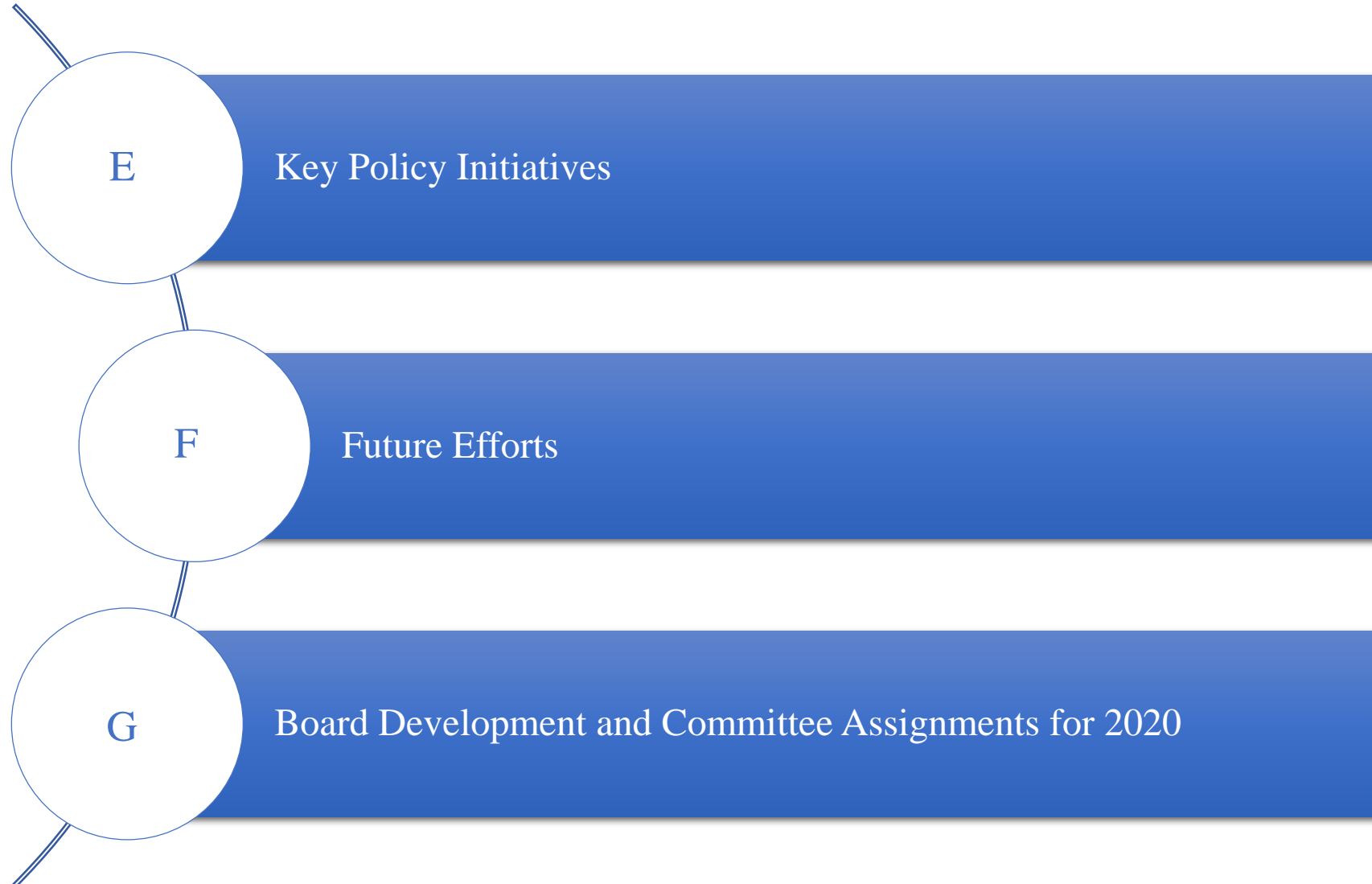
## Chairperson Rod Sinks Board of Directors



# Overview



# Overview Cont'd



E

Key Policy Initiatives

F

Future Efforts

G

Board Development and Committee Assignments for 2020

# State of the Air District, Air Quality Summary and the Proposed Regulatory Agenda for 2020



17A

**Jack P. Broadbent**  
Executive Officer/APCO



# State of the Air District



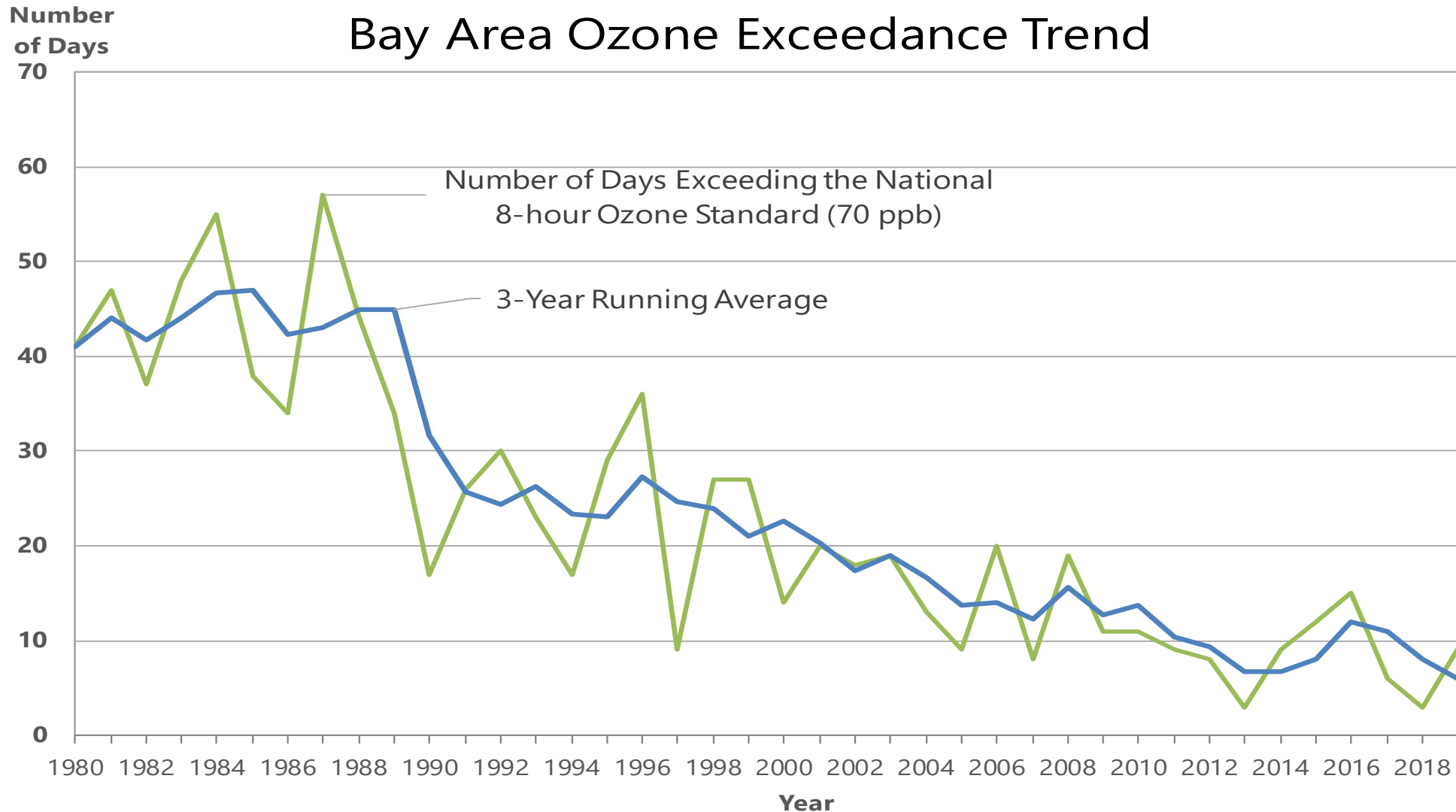
- Regional Air Quality Continuing to Improve
- Expect Wildfire Impacts on Air Quality and Public Health to Continue
- Need to Continue to Understand and Address Disparities
- Need to Adjust Our Climate Strategy
- Continued Leadership is Crucial

# State of the Air District (Cont'd)



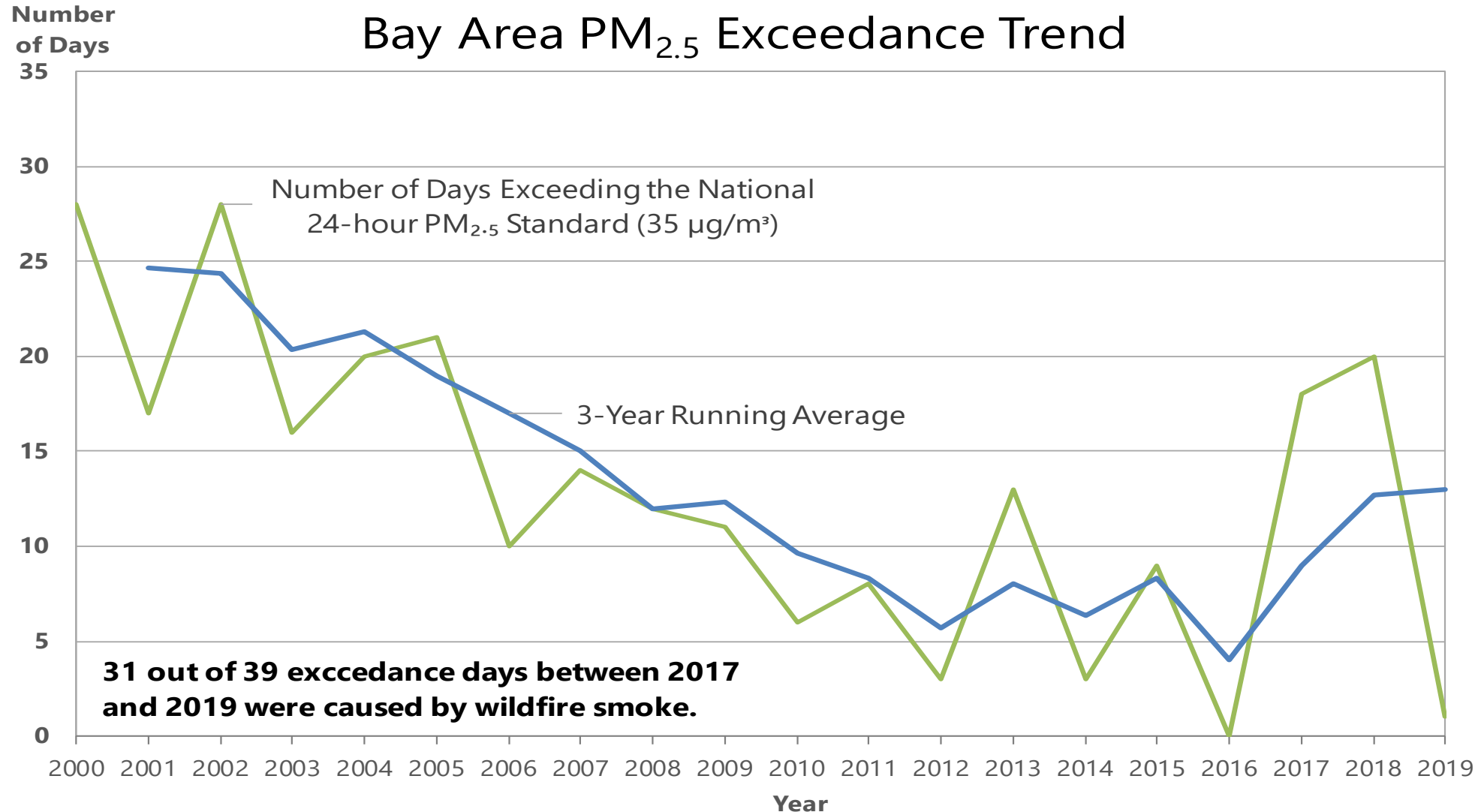
- Implementation of Efforts is Critical
- Financially Secure
- Need to Press Our Case in Sacramento
- Need to Continue to Attract the Best Talent

# Bay Area Ozone Trends





# Bay Area Particulate Matter (PM<sub>2.5</sub>) Exceedance Trends



# Air District Administrative Overview



17B

**Jack P. Broadbent**  
Executive Officer/APCO

**Rex Sanders**  
Chief Administrative  
Officer



# Human Resources Update



- Staffing Update
- Employee Engagement Program
- Labor Contract





# Air District Financial Overview



17C

**Jack P. Broadbent**  
Executive Officer/APCO

**Jeff McKay**  
Chief Financial Officer



# Fiscal Update



- 415 positions; \$105 million (M) Budget
- Reserves Healthy
- Real Estate Diversification
- Accelerated Paydown of Unfunded Liabilities



# Headquarters East



- 45,000 square foot Facility in the City of Richmond
- Uses Include:
  - House Staff and Operations; Business continuity center and an incident response center
  - Videoconferencing location for Board meetings
  - Drop-in Workstations
  - Community Services



# Headquarters East Cont'd



Phase 1: Approximately 7,000 square feet have been built out; Seats approximately 30 staff

Phase 2: Underway





# Air District Core Programs Overview



17D

**Jack P. Broadbent**

Executive Officer/APCO

**Wayne Kino**

Deputy Air Pollution  
Control Officer

**Damian Breen**

Deputy Air Pollution  
Control Officer



# Regulated Facilities



- 10,000 Facilities – 20,000 Sources Permitted Annually
- Permits encompass Federal, State & Local Regulations
- Major Sources
  - Five (5) Petroleum Refineries
  - Seven (7) Chemical Plants
  - 20 Power Generation Facilities
  - 16 Landfills/Composting Operations
  - Two (2) Metal Melting Operations
  - One (1) Cement Facility

# Stationary Sources: Ongoing Initiatives



- **Regulation 11-18 Implementation**
  - Require Emissions Reduction Plans from Phase 1 Facilities
  - Completing Phase 1 Facility Health Risk Assessments
  - Beginning Data Collection & Review for Phase 2 Facilities
  
- **Refinery Crude Slate Tracking (Rule 12-15)**
  - New Rule Reporting Date for 2020
  - Continue Onsite Data Review
  - Continue Emissions and Crude Slate Tracking
  - Complete Heavy Liquids Study and Rule 8-18 Revisions

# Stationary Sources: New Initiatives



- **Assembly Bill (AB) 617 Criteria and Toxics Reporting Rule**
  - Facilities with emissions greater than 10,000 metric tons Carbon Dioxide Equivalent (CO<sub>2</sub>e) or greater than 250 tons per year of any applicable nonattainment pollutant must report 2020 emissions data in early 2021
  - May shift current data update request and permit renewal deadlines
  - May require submittal of additional data
  - Requires development of online reporting tools
- **Public Safety Power Shutoffs**
  - Increased Numbers of Permit Applications
  - PG&E Requesting New Permits for Distributed Generation
  - Working with Partners on Uniform Permitting Policies and On Quantifying Emissions Impacts of New generation

# Major Facility Projects for 2020



- Philips 66 Energy Reliability Project
  - Marine Terminal as backup to the Pipeline
- Marathon Selective Catalytic Reduction (SCR)
  - Oxides of Nitrogen (NO<sub>x</sub>) Abatement at the Fluid Catalytic Cracker Unit (FCCU)
- Lehigh
  - Rock Plant Permit
  - U.S. Environmental Protection Agency (U.S. EPA) Consent Decree Implementation
- Schnitzer Steel
  - Metal Shredder Abatement - Thermal Oxidizer and Acid Gas Scrubber
  - Marine Vessel Project
- Recycled Material Handling Facility Permits

# Inspection Program



## Types of Inspections

- Refineries
- Gasoline Dispensing Facilities
- Asbestos Demolition and Construction
- Organic Waste Facilities
- Coating Operations
- Boilers
- Portable Equipment
- Bulk Terminals
- Semi-conductor Manufacturing
- Metal Facilities
- Grant Projects

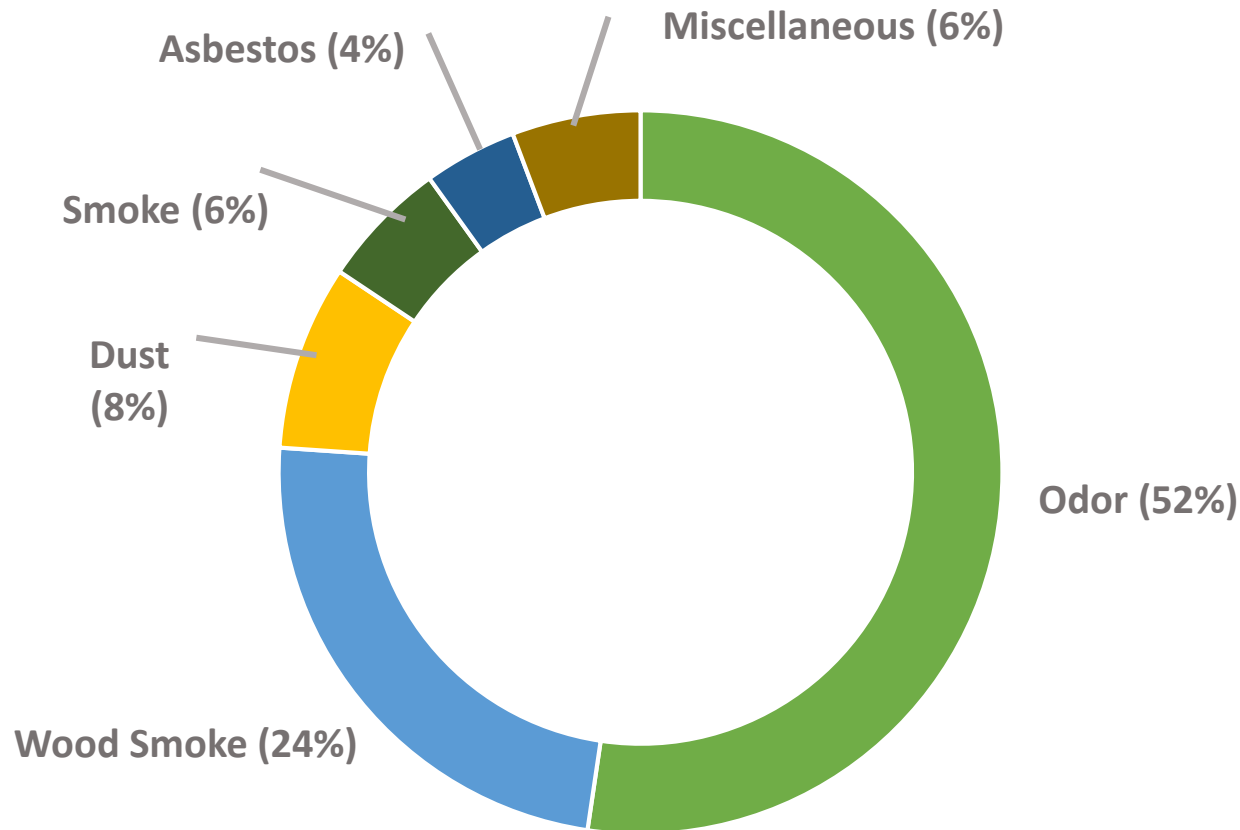
*Ensure compliance with Federal,  
State and Air District regulations*

**16,000+  
Compliance  
Inspections in  
2019**

# Air Quality Complaint Program



## Types of Complaint Investigations



*Investigations to resolve violations and compliance concerns*



# Enforcement Program



- Investigate, issue and Process Notice of Violation's, NTC's; re-inspect sources to verify compliance with Federal, State and Air District regulations
- Participate in interagency environmental task force programs to coordinate District enforcement activities
- In 2019, over 800 violations were issued



# Compliance Assistance and Operations



- Small Business Assistance
- Compliance Advisories
- Agriculture Outreach
- Industry Compliance School
- Green Business Assistance
- Educations Materials

Provide the necessary tools to promote compliance with air quality requirements

# New Initiatives: Updating Air Quality Complaint Investigation Guidelines



## Goals

- ❖ Five (5) Public Workshops (Dec 2019, Jan & Feb 2020)
- ❖ Public Comment Period Through February 12, 2020
- ❖ Policy Update: ~ mid-2020

- Enhance community understanding of existing complaint investigation process
- Solicit community input to improve complaint process and address community concerns
- Streamline complaint reporting and investigation process
- Develop guidance to inform public how to be more descriptive when filing complaints

# New Initiatives: South Bay Odor Study



## Project 1 (1 month)

Facility odor  
fingerprint and  
compound  
identification

## Project 2 (3 seasons)

Quantify contribution  
of facilities to diurnal  
and seasonal odors

## Goals

Inform future actions to reduce odors

- Best practices
- Enforcement
- Rules

Methods to track facilities' future odor reduction actions

Educate community

International Disposal Corp of CA (Newby Island)  
San Jose Santa Clara Regional Wastewater Facility  
Zero Waste Energy Development (ZWED)

# Lehigh Quarry and Cement Plant



- Lehigh was cited by U.S. EPA for failure to obtain permits for major modifications
- As a result of this violation, Lehigh will invest \$12 M in air pollution control equipment, at 11 of their manufacturing plants

# Air Quality Monitoring: Multiple Measurement Strategies Throughout the Bay Area



## Facilities

## Communities

### Source Testing

Emissions from facilities (e.g. stack)

### Fence line Monitoring

Fugitive emissions that may impact communities



### Regional Network

High accuracy equipment that spans the Bay Area

### Portable/Mobile Monitoring

Medium accuracy equipment on a moving vehicle or temporarily sited

### Sensor Networks

Low cost sensors for higher density data, citizen science

# Meteorology: Air Quality Forecasting



## Data and Tools

Air Monitoring Data  
Remote Sensing Data  
Meteorological Stations  
Satellite Imagery  
Computer Models  
Topography and Climate

## Forecasts

Spare the Air Alerts  
Air Quality Advisories



# Key Policy Initiatives



17E

**Jack P. Broadbent**  
Executive Officer/APCO

**Greg Nudd**  
Deputy Air Pollution  
Control Officer



# Key Policy Initiatives



## Community



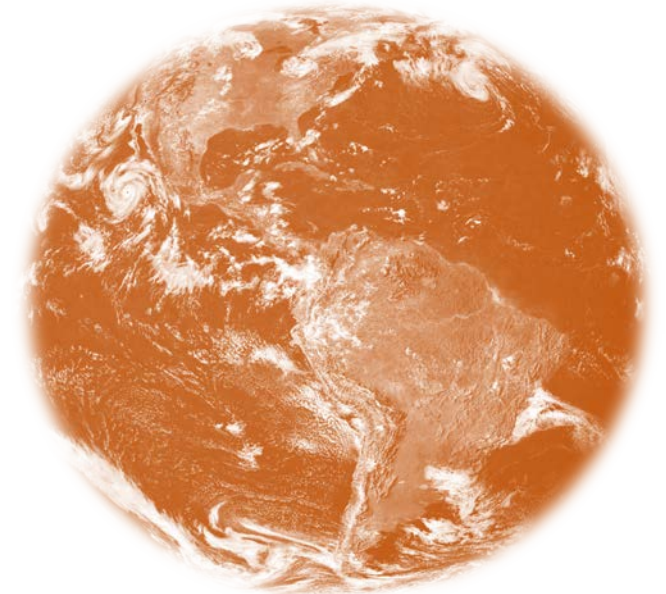
- AB 617
  - Magnet Sources
  - Hyperlocal Monitoring
  - Community Protection Rules
- PM Strategy

## Regional



- Plan Bay Area
- CEQA Guidelines
- BARCT Rules

## Global



- Methane Rules
- Decarbonize Buildings
- CO<sub>2</sub> Strategy



# Key Policy Initiatives



## Community

- AB 617
  - Magnet sources
  - Hyperlocal monitoring
  - Community protection rules
- PM Strategy

# AB 617: 2019 Accomplishments



- Completed West Oakland Community Action Plan
- Drafted Richmond-San Pablo Monitoring Plan
- Begun initial screening monitoring
- Distributed \$350,000 for capacity building
- Since 2017, distributed \$59 M in mobile source incentives



# AB 617: Year 2020 Implementation



- Work with community and government partners to implement West Oakland Plan
- Finalize and implement Richmond/San Pablo monitoring plan
- Implement community grants, build community relationships
- Gather and analyze community data: land use, emissions inventory, health data and new monitoring data
- Distribute and develop additional incentives
- Begin community-level modeling



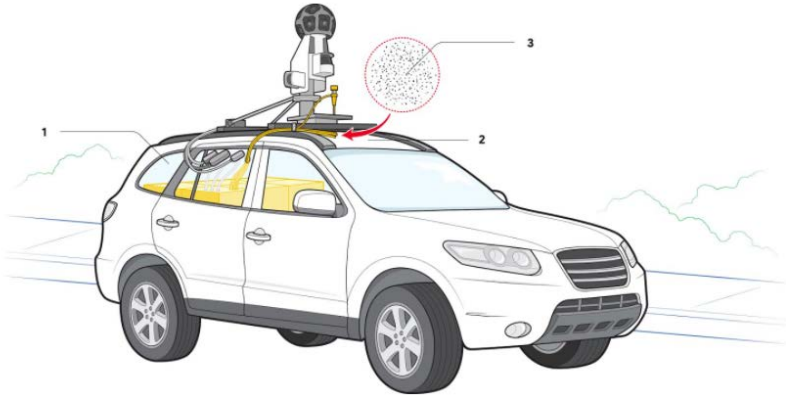
# AB 617: Magnet Sources



- Magnet sources (aka “indirect sources”) attract mobile sources of toxic pollution (e.g. distribution centers, warehouses, ports)
- Addresses a gap between the authority of the Air Resources Board and the Air District.
- Air District is seeking authority to collect data to assess and minimize the impacts of these facilities on communities.



# AB 617: Hyperlocal Monitoring



- Partnership with Aclima to measure air quality by driving every publicly accessible street in the Bay Area
- Sensor-based instrumentation (NO<sub>x</sub>, CO, O<sub>3</sub>, PM<sub>2.5</sub>)

Data will be used to:

- Empower communities about air quality where they live, work, learn, and play
- Strengthen and target emissions reduction actions
  - Follow up monitoring to identify sources contributing to disparities in air pollution
  - Enforcement
  - New regulations
  - Partnerships with communities and local governments



# AB 617: Community Protection Rules



Rule Development Project	Workshop	CPHC Mtg.	Board Hearing
PM Strategy for Adoption	Aug 2020	Sep 2020	Oct 2020
<ul style="list-style-type: none"> <li>• Rule 2-5: PM Health Values</li> </ul>	Q1 2021	Sep 2020	N/A
AB 617 Community Protection Rules <ul style="list-style-type: none"> <li>• Rule 6-2: Commercial Cooking Equipment</li> <li>• Rule 8-7: Gasoline Dispensing Facilities</li> <li>• Rule 8-45: Autobody Repair</li> <li>• Rule 9-8: Backup Generators</li> </ul>		Sep 2020	
<ul style="list-style-type: none"> <li>• Permitting Rules (2-1, 2-2, 2-5)               <ul style="list-style-type: none"> <li>– SSC: July 2020</li> </ul> </li> </ul>	June 2020	Sep 2020	Dec 2020

# PM Symposium



Four-part (★) conference series to discuss PM with scientists and stakeholders, and to identify the most effective measures to protect public health.

## October 28, 2019 Sense of the Council Statement:

The current PM standards are not adequately health protective. Further reductions in particulate matter will realize additional health benefits. We ask the Air District staff to bring forward, with urgency, options within the legal authority of the District that would further limit PM exposure, especially in high-risk communities.



## Pathways to further regulate undifferentiated particulate matter:

### PM as a toxic compound—establish PM health values

1. Risk-based approaches
  - Limit health impacts from new and modified sources
  - Assess and reduce health impact from existing sources
2. Regulation of specific sources of PM, similar to state airborne toxic control measures (ATCMs)

### PM as a criteria pollutant (current authority/higher cost effectiveness)

3. More stringent PM regulations:
  - Construction activities
  - Commercial cooking equipment (restaurants)



# Key Policy Initiatives



## Regional

- Plan Bay Area
- CEQA Guidelines
- BARCT Rules

# Plan Bay Area 2050



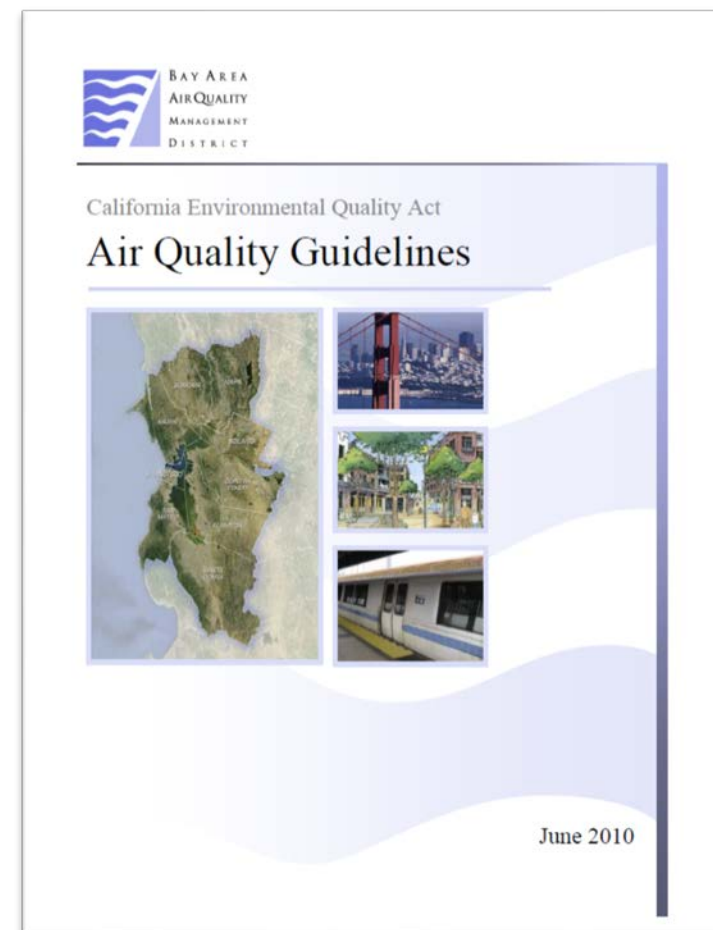
- Collaboration with Metropolitan Transportation Commission (MTC)/Association of Bay Area Governments (ABAG) to support a Plan that:
  - Aligns with the state's goal to achieve net zero GHG emissions by 2045
  - Reduces toxic air pollution and PM, especially in AB 617 communities
  - Promotes healthy infill development and reduces vehicle miles traveled (VMT)
- Air District participating through:
  - Regional Advisory Working Group
  - Regional Equity Working Group
  - Cross-agency working groups
  - One-on-one staff meetings



# CEQA Guidelines & Thresholds



- Health- and climate-protective thresholds of significance for all pollutant categories
- Promoting healthy infill development and reduced VMT
- User-friendly guidelines for lead agencies, interested stakeholders and community members
- Broad outreach to ensure diverse voices and interests heard



# BARCT Rules

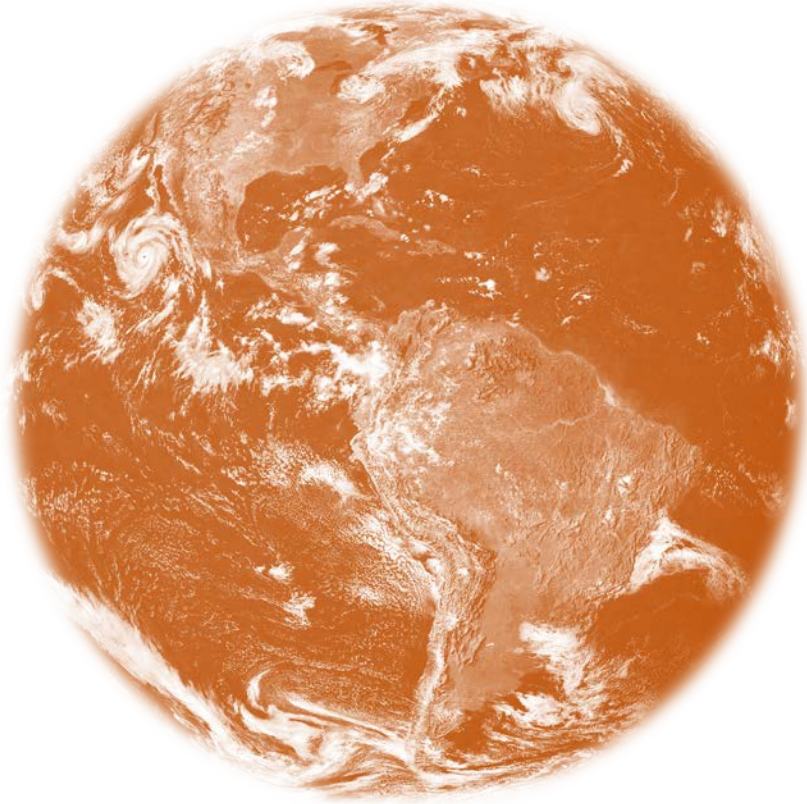


<b>Rule Development Project</b>	<b>Workshop</b>	<b>SSC Mtg</b>	<b>Board Hearing</b>
<b>Rule 8-5: Organic Liquid Storage Tanks</b>	<b>Mar 2020</b>	<b>May 2020</b>	<b>Sep 2020</b>
<b>Rule 8-8: Petroleum Wastewater Treating</b>	<b>Mar 2020</b>	<b>May 2020</b>	<b>Sep 2020</b>
<b>Rule 9-13: Portland Cement Mfr.</b>	<b>N/A</b>	<b>Sep 2020</b>	<b>N/A</b>
<b>Rule 6-5: Refinery Fluid Catalytic Crackers</b>	<b>Mar 2020</b>	<b>June 2020</b>	<b>Nov 2020</b>
<b>Rule 8-18: Refinery Heavy Liquids Leaks</b>	<b>N/A</b>	<b>Sep 2020</b>	<b>N/A</b>
<b>Rule 9-14: Petroleum Coke Calcining Ops</b>	<b>Q1 2021</b>	<b>N/A</b>	<b>Q3 2021</b>

# Key Policy Initiatives



- Methane Rules
- Decarbonize Buildings
- CO<sub>2</sub> Strategy



**Global**

# Methane Rules



Rule Development Project	Workshop	SSC Mtg	Board Hearing
Rule 13-2: Organic Material Handling	Jan 2020 <sup>a</sup>	Apr 2020	June 2020
Rule 13-3: Composting Operations	June 2020	Apr 2020	Dec 2020
Rule 13-5: H <sub>2</sub> Plants <b>CPC: Mar 2020</b>	Jan 2020	Apr 2020	July 2020
Building De-Carbonization	TBD	TBD	TBD
Rule 8-34: Landfills <sup>b</sup>	N/A	N/A	N/A
Rule 13-4: Sewage Treatment & ADs <sup>b</sup>	N/A	N/A	N/A

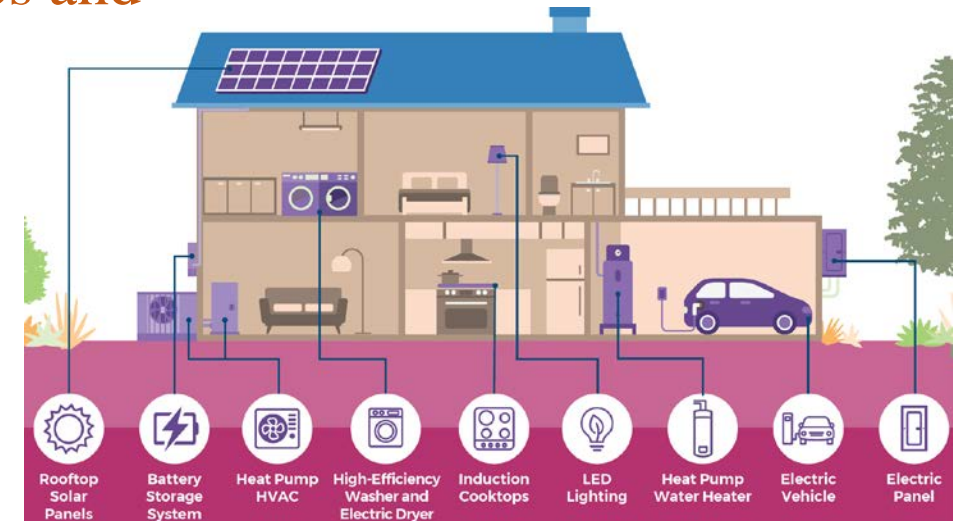
**a** Call for Comments

**b** On Hold

# Decarbonize Buildings



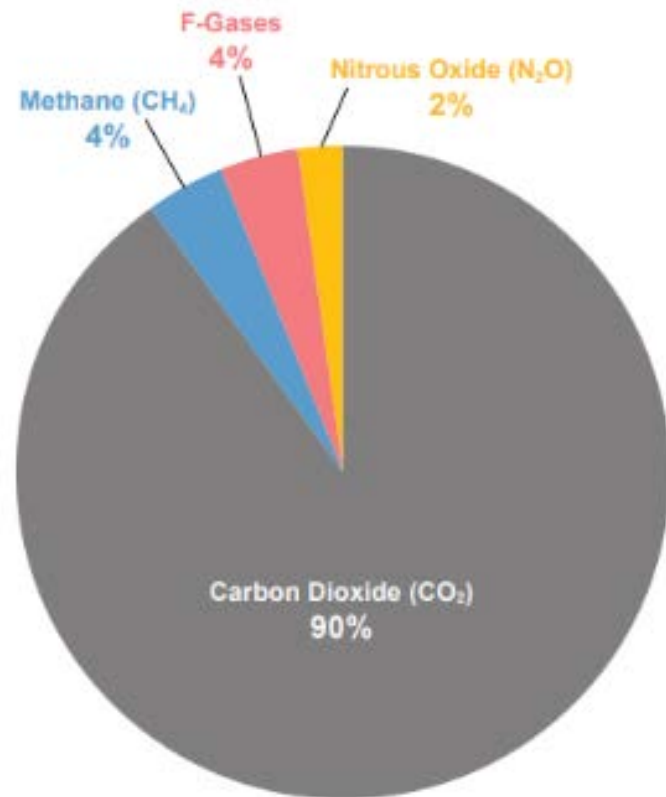
- Evaluate options to use Air District regulatory authority to reduce GHGs from space and water heating
- Policy support to local governments
- Build online clearinghouse of model policies, resources and tools (with Building Decarbonization Coalition)
- Incentives to electrify end uses
- Build off current Climate Protection Grants
- Heat pump water heaters and other technologies



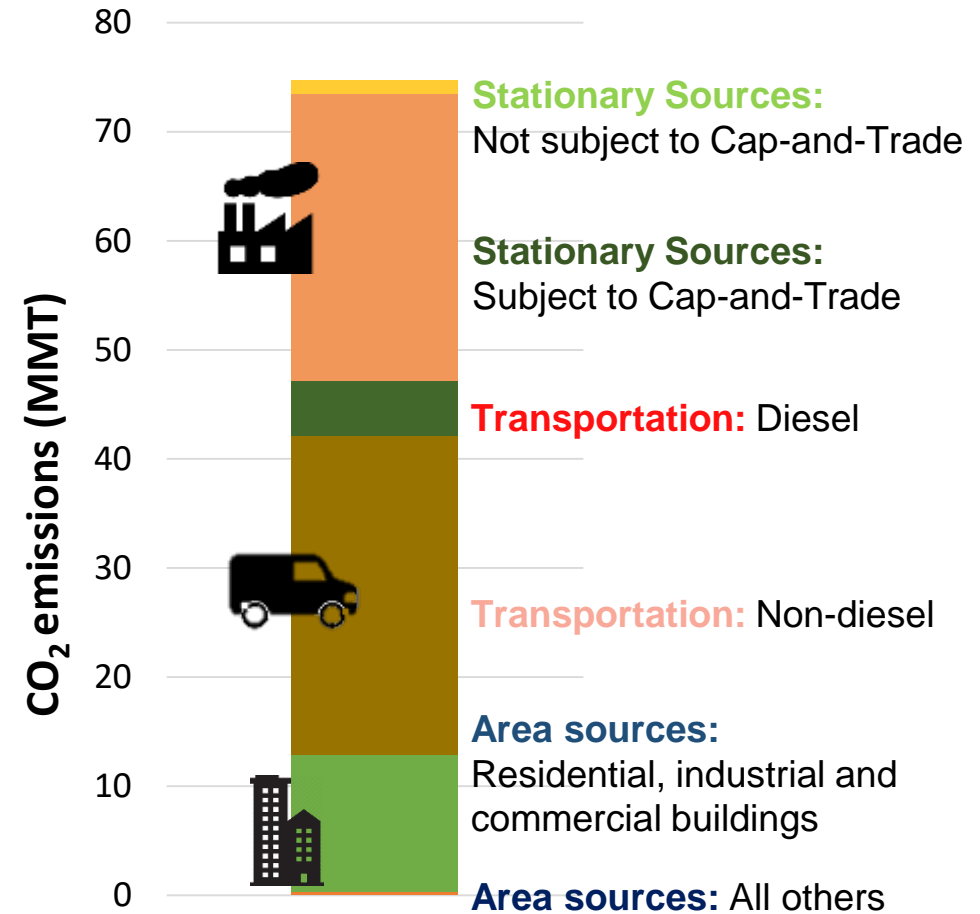
# Bay Area CO<sub>2</sub> Emissions



## 2015 Bay Area GHG Emissions 85 MMT CO<sub>2</sub>e (based on 100-yr. GWPs)



## Major Source Categories of CO<sub>2</sub>





# CO<sub>2</sub> Strategy



## Target Major Sources of CO<sub>2</sub> Emissions

### Buildings:

- Focus on new and existing buildings
- Target high-emission end-uses: e.g. space and water heating and back-up generators
- Build on successful Climate Grant projects



### Transportation:

- EV Acceleration Plan
  - 1.5 million light duty ZEVs by 2030
  - Funding for vehicles, chargers, low-income households
- Collaborate with MTC on VMT reduction
- Diesel Free By '33
  - Technical assistance and policy support for local govts
  - Convening, reporting and info-sharing



# Future Efforts



17F

**Jack P. Broadbent**  
Executive Officer/APCO

**Greg Nudd**  
Deputy Air Pollution Control  
Officer

**Wayne Kino**  
Deputy Air Pollution Control  
Officer

**Alan Abbs**  
Legislative Officer



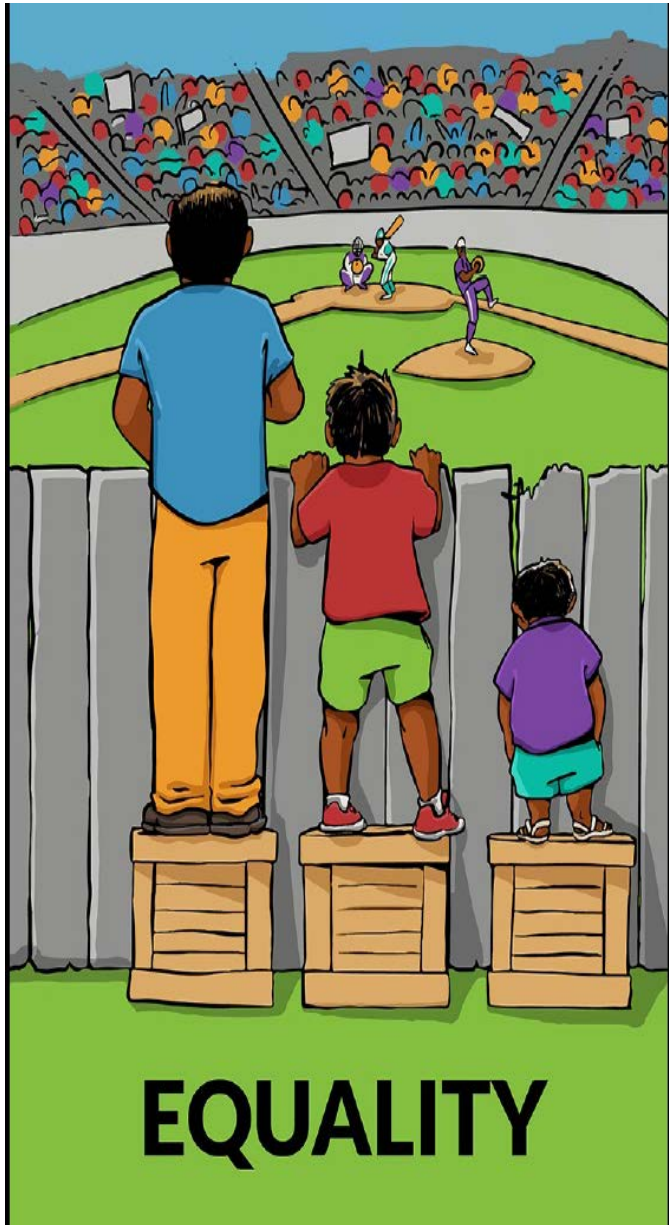
# Diversity, Equity and Inclusion Program Update



**Mary Ann Okpalaugo**

Manager, Office of  
Diversity, Equity &  
Inclusion

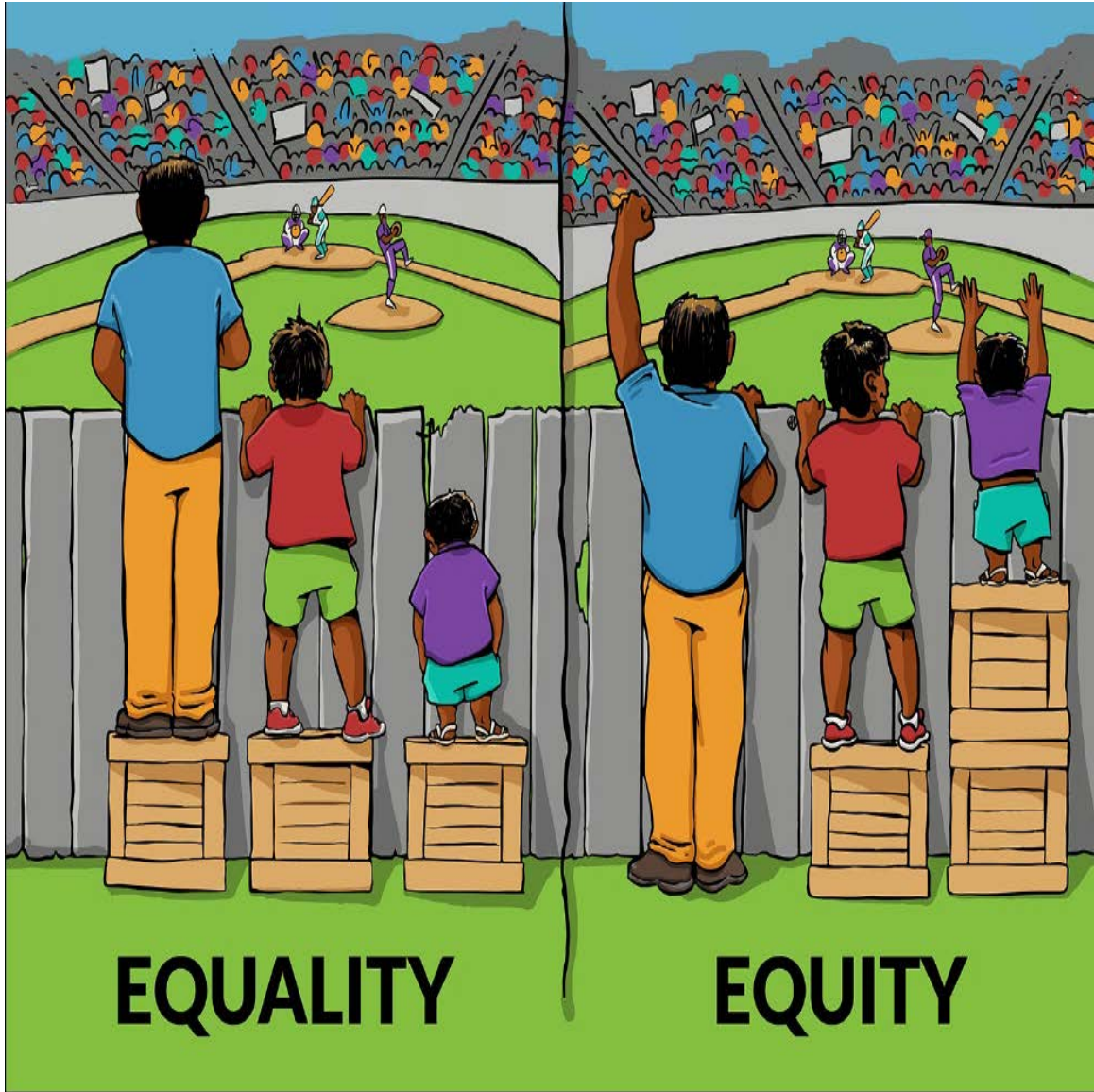




**Equality is  
treating everyone  
the same.**



**Equity** is providing the tools needed for everyone to be successful.



Equality aims to promote fairness, **but it can only work if everyone starts from the same place and requires the same tools.**

# Outline



- Overview of the Office of Diversity, Equity & Inclusion
- Approach by the Air District to advance racial equity
  - Normalize
  - Organize
  - Operationalize
- Elements of Our Racial Equity Pillar Framework
- Conclude with 2020 Key Priorities



## Cultural awareness events

- Provides employees exposure to and on understanding of the differences between ourselves and people of other backgrounds

## Guest speakers series, brown bags, book club and impromptu discussions

- Safe space at the Air District

## Sharing best practices through presentations

- National, state and regional levels



# Operationalize



- Racial Equity Pillars Framework developed
- Workforce Development
- Community Health – AB 617 - Leading with equitable and inclusive community engagement
- Public Investments – Leading with equity and incentives to reduce emissions in communities disproportionately impacted by air pollution
- Operations – Catch All

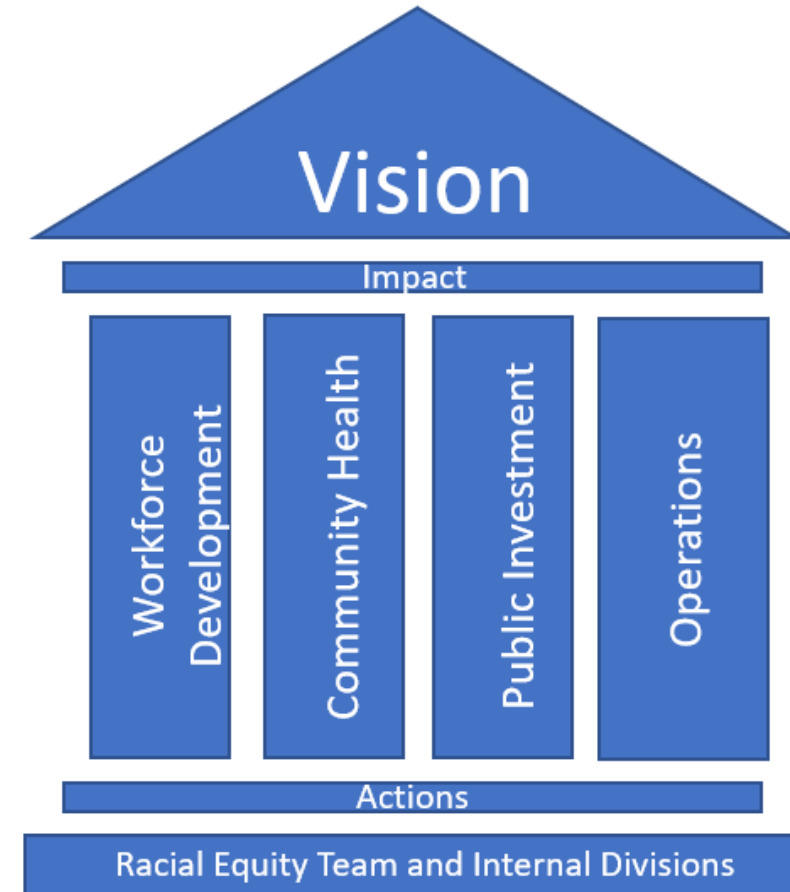
# Framework for Racial Equity



Vision: All people in the Bay Area thrive in vibrant and healthy communities

## Achieving Our Vision

- **Racial Equity Team:** Employees from the previous GARE Cohorts are our initial building blocks
- **Actions and Pillars** – Projects and initiatives grouped into four (4) key pillars of work
- **Impact and Vision**– The collective efforts of the employees, actions, and pillar work will achieve impacts in our organization and communities.



# Workforce Development



Identify goals and strategies that support racial equity in creating, sustaining, and retaining a viable workforce

Examples include:

- Identify and implement best practices in hiring and developing a racially diverse and culturally responsive workforce at all levels
- Racial Equity 101 Training, Speaker Series, Diversity Job Fairs
- Awarded DiversityJobs.com Top Employer for 2020 Diversity Award

# AB 617: Leading with Equity



## Equitable & Inclusive Community Engagement

- ✓ Lead with Lived-Experience
- ✓ Follow a Co-Leadership Model
- ✓ Strengthen Community Capacity
- ✓ Convene an Environmental Justice Work Group
- ✓ Celebrate Small & Big Wins

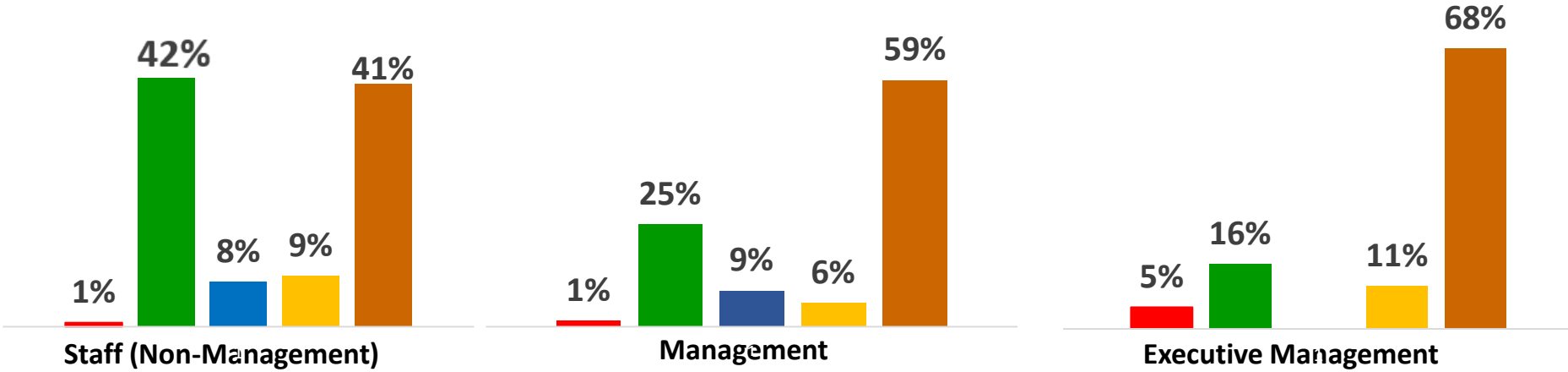
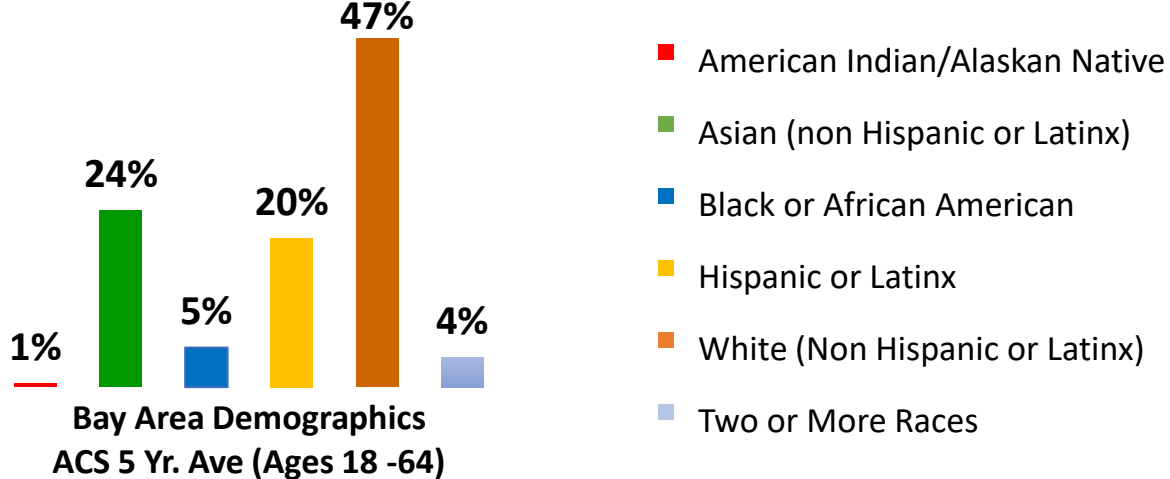


- ✓ Commit to Advancing Racial Equity
- ✓ Mobilize Cross-Divisional Partnerships
- ✓ Leverage Technical & Community Expertise
- ✓ Try New Approaches
- ✓ Celebrate the Process & the Outcome

# Demographics



## Air District by Race/Ethnicity vs. Bay Area

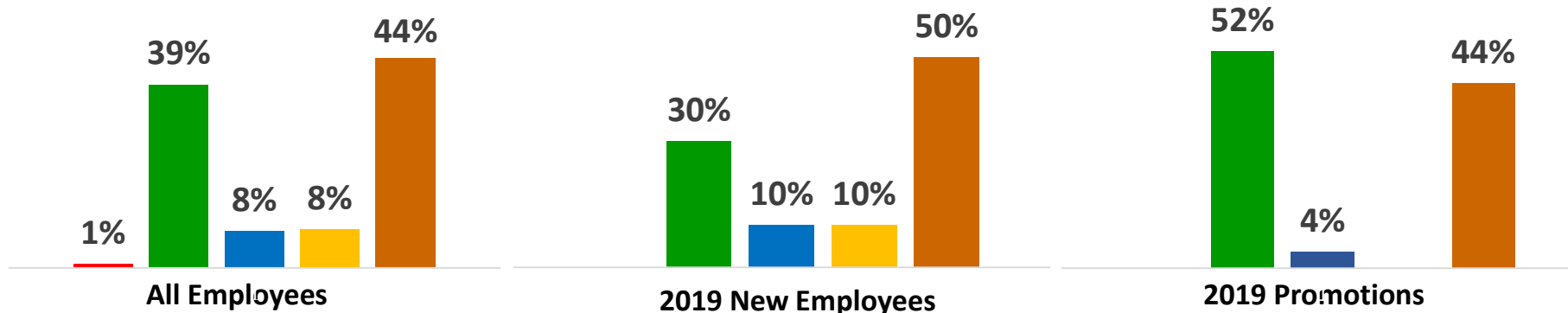
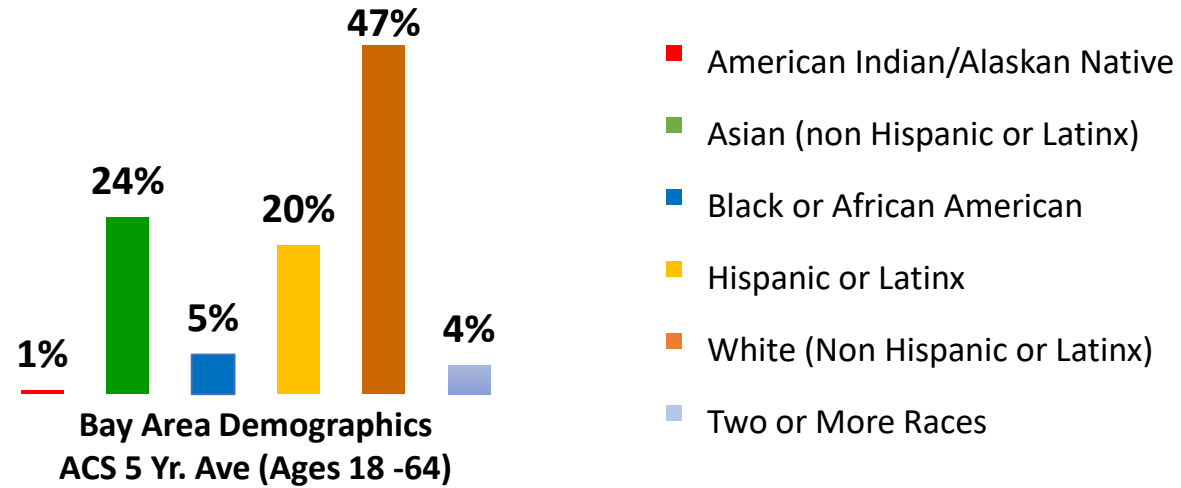


\*American Community Survey (ACS) Census Bureau

# Demographics Cont'd



## Air District by Race/Ethnicity vs. Bay Area (Continued)

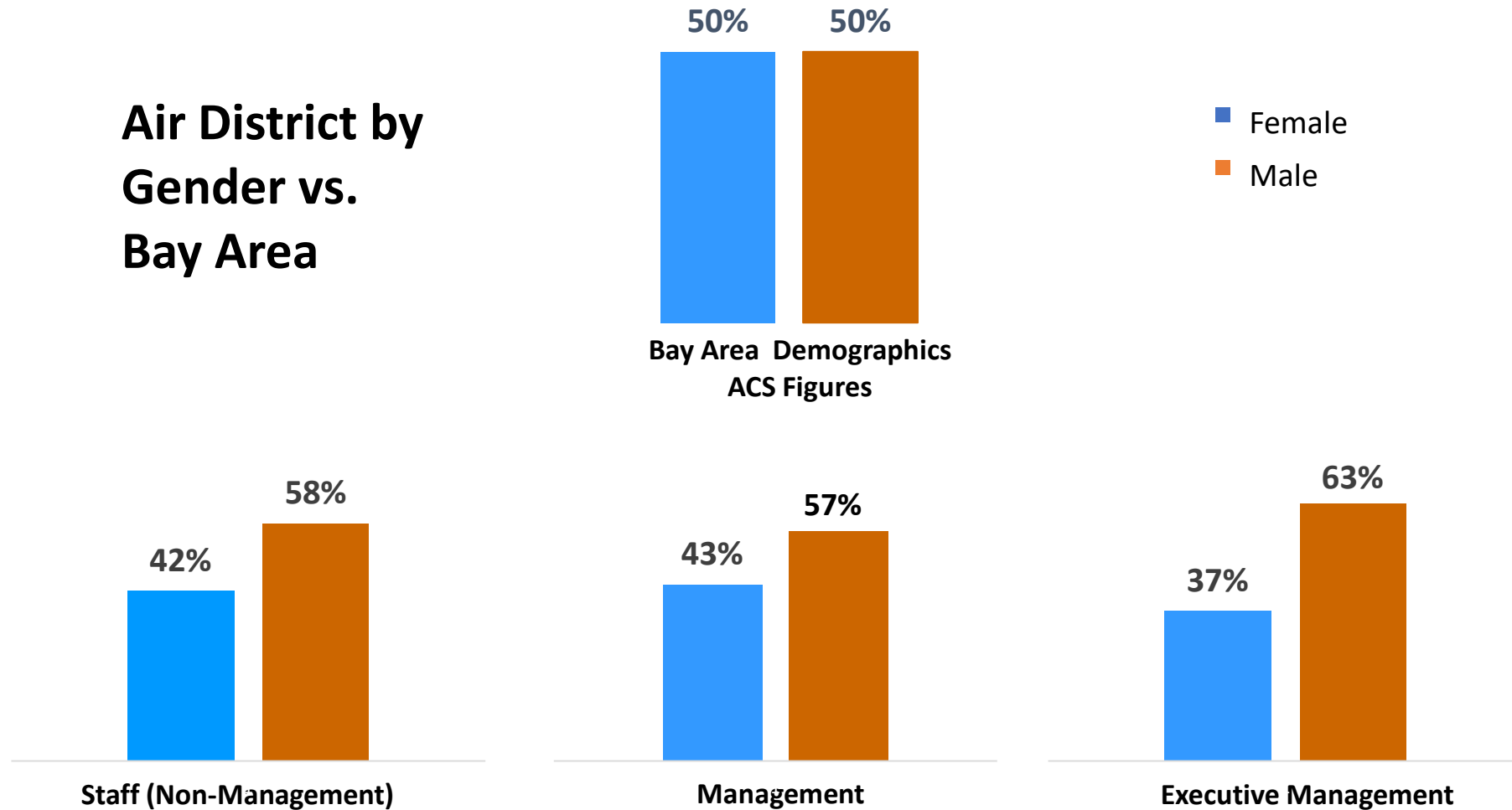


\*American Community Survey (ACS) Census Bureau

# Demographics Cont'd



## Air District by Gender vs. Bay Area

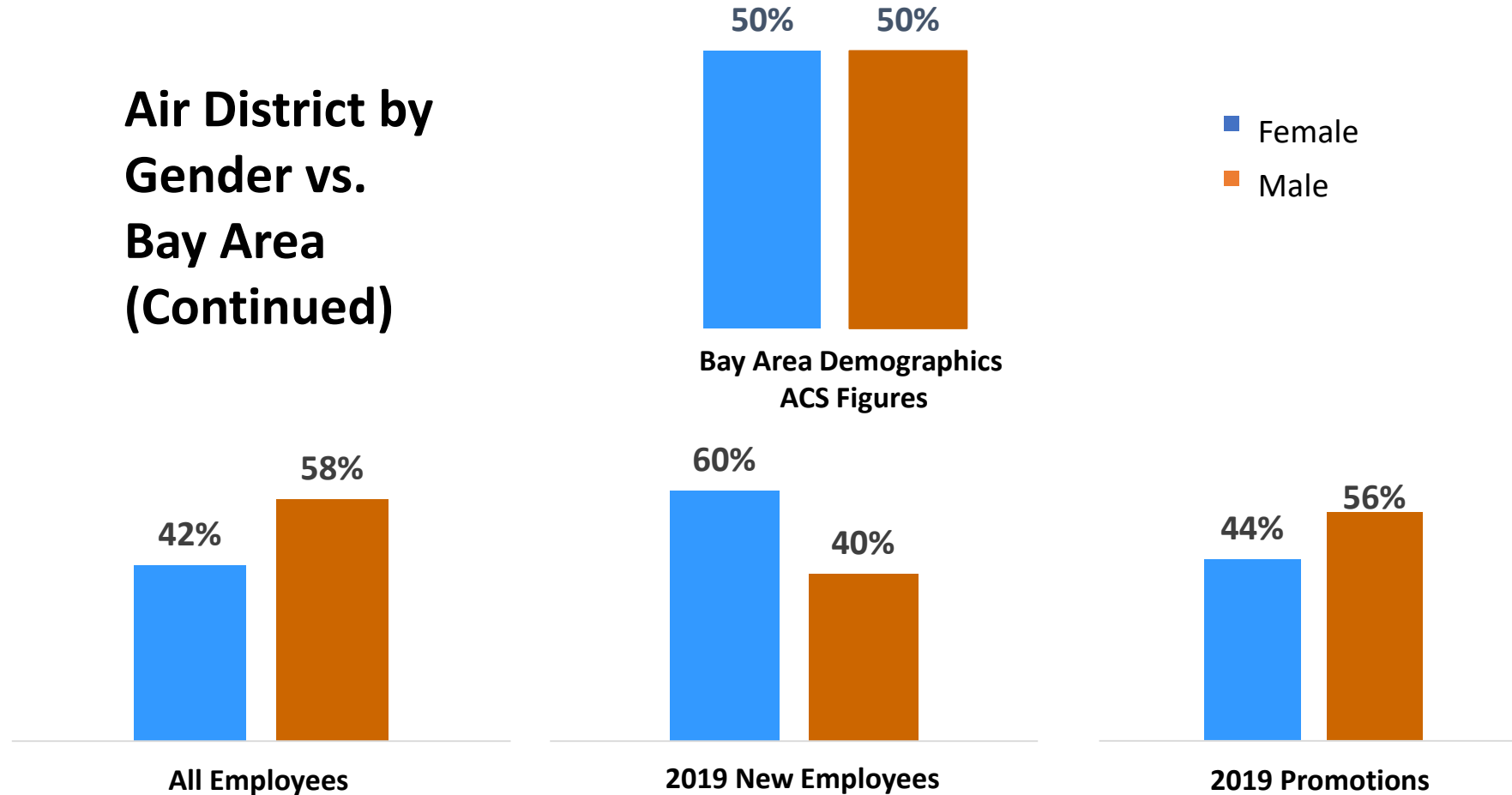


\*American Community Survey (ACS) Census Bureau

# Demographics Cont'd



## Air District by Gender vs. Bay Area (Continued)



\*American Community Survey (ACS) Census Bureau

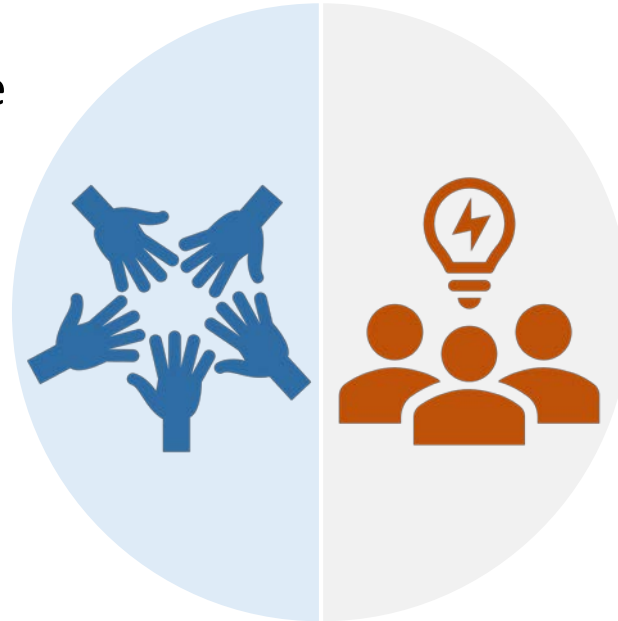


# AB 617: Leading with Equity



## Equitable & Inclusive Community Engagement

- ✓ Lead with Lived-Experience
- ✓ Follow a Co-Leadership Model
- ✓ Strengthen Community Capacity
- ✓ Convene an Environmental Justice Work Group
- ✓ Celebrate Small & Big Wins



- ✓ Commit to Advancing Racial Equity
- ✓ Mobilize Cross-Divisional Partnerships
- ✓ Leverage Technical & Community Expertise
- ✓ Try New Approaches
- ✓ Focus on Process & the Outcome

# Equity in Incentive Programs



Awarded \$73 million in grants for emissions reductions in 2019

- Nearly 60% in CARE communities

Launched *Clean Cars for All* in March 2019

- 60 grants per month for income-eligible residents to purchase clean transportation

Awarded grants for 1,000 new electric vehicle charging stations

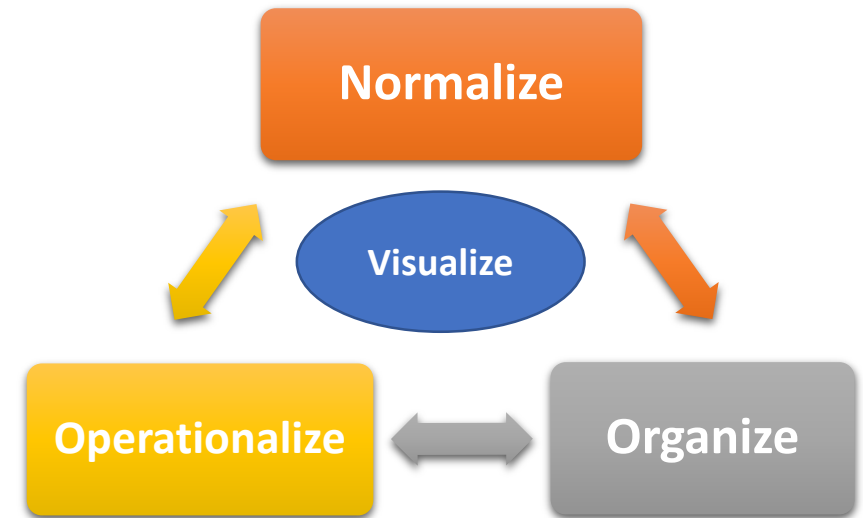
- Tripled investment in charging infrastructure at multi-unit dwellings



# Key Priorities for 2020



- Hiring of Deputy Executive Officer – Policy & Equity
- Development of an organization-wide train the trainer curricula and racial equity plan
- Continue internal capacity building of all staff in racial equity content and advancing equity practices
- Develop racial equity measurement and evaluation tools
- Identify cross-divisional initiatives that advance racial equity



# Wildfire Strategy Update



# Major Wildfires Impacting Bay Area



**Sonoma/Napa Fires  
2017**

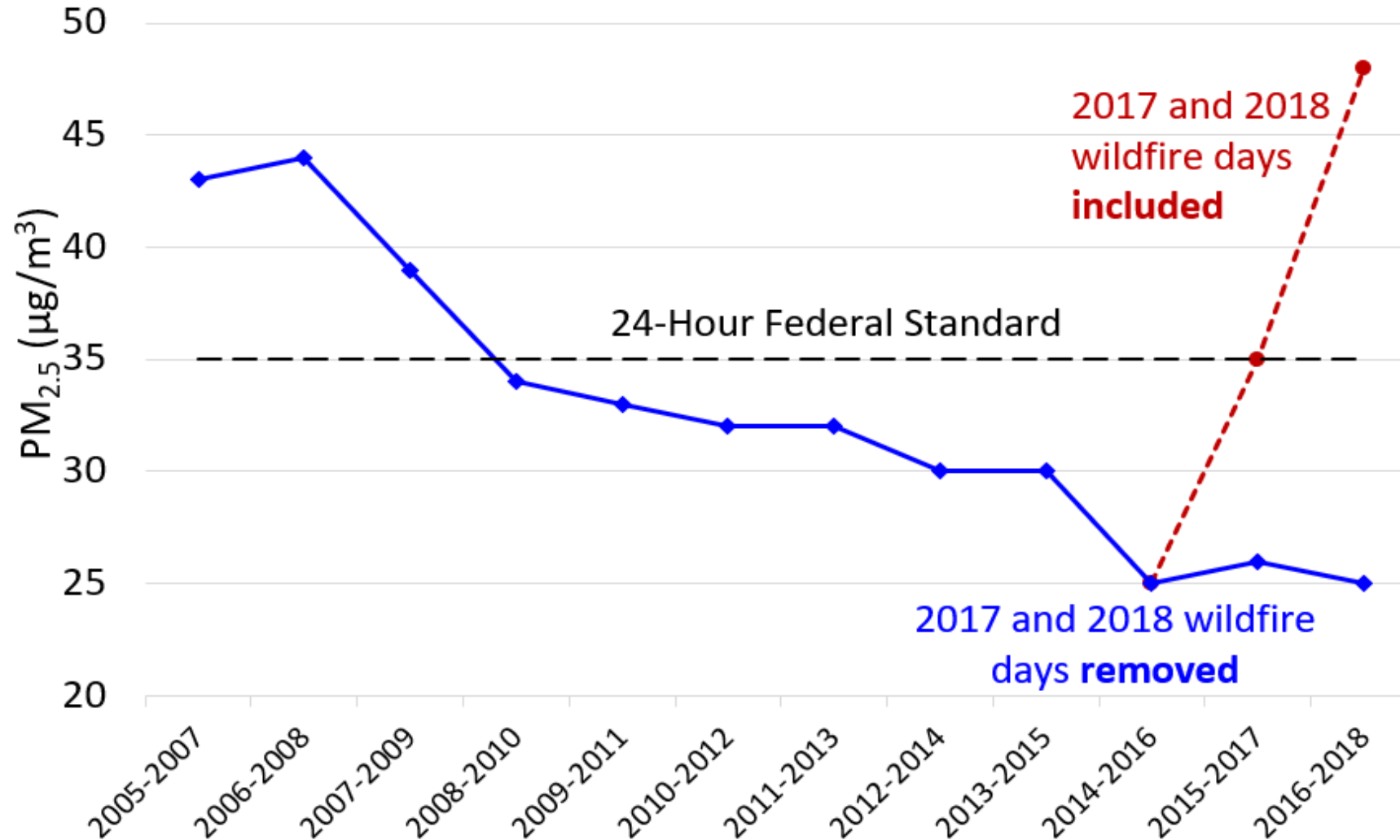


**Camp Fire  
2018**



**Kincadee Fire  
2019**

# Wildfire Smoke Dramatically Affects Bay Area PM<sub>2.5</sub> Levels



# Wildfire Air Quality Response Program



- Prepare, prevent and respond to wildfires and wildfire smoke
- Ensure health-protective measures and strategies are in place



# Partnerships for Wildfire Preparedness, Communications, and Response



- Association of Bay Area Health Officers (ABAHO)
- San Francisco Department of Emergency Management
- Bay Area Urban Areas Security Initiative (UASI)
- CAL FIRE
- California Air Pollution Control Officers Association (CAPCOA)
- California Air Resources Board
- U.S. Environmental Protection Agency
- American Red Cross



# Air Quality Data to Support the Public During Wildfires



## Current Conditions



## Alerts and Forecasts

### Regional Network (Regulatory)

High accuracy equipment that spans the Bay Area

### Portable/Mobile Monitoring

Medium accuracy equipment on a moving vehicle or temporarily sited

### Sensor Networks

Low cost sensors for higher density data, citizen science

### Based on:

Air Monitoring Data

Remote Sensing Data

Meteorological Stations

Satellite Imagery

Computer Models

Topography and Climate

# Communications During Wildfires



## • Inter-Agency Coordination & Communication

- Public Health Officers
- Local Agencies
- Other Air Districts

## • Public & Media Outreach

- Press Releases/Advisories
- Media
- Social Media
- Websites

**⚠️ Air Quality Advisory | 🌐 (en Español)**  
 Smoke from the Kincade Fire is expected to continue to impact air quality in the northern portion of the Bay Area closest to the fires. Air quality is expected to improve for the rest of the region although smoke from local fires could have potential impacts. Wildfire smoke is unpredictable and changes as weather and wind conditions shift. Residents should still be on alert and if they smell smoke, stay indoors with windows and doors closed. See our [hourly air quality data](#) for the most up-to-date information, as well as [Press Releases](#), [@AirDistrict](#), and our [Wildfire Safety Tips](#) web page. Sign up for [Bay Area Air Alerts](#).

**⚠️ Advisory**  
 The Northern Sonoma County Air Pollution Control District has evacuated their office in Healdsburg. The Bay Area Air District will provide info & updates for the agency via our website and social media as needed. See [hourly air quality data for the Bay Area](#).

**spare the air alert** SPARE THE AIR ALERT IN EFFECT

Monday, October 28 and Tuesday, October 29

Bay Area Air Quality Management District  
 Published by Bay Gov (7) · October 24, 2019

Smoke from the #KincadeFire is currently limited to northern portions of Sonoma County and is expected to spread southward today. Strong northeasterly winds are expected to diminish throughout the day, allowing smoke to drift across much of the North Bay. If you see or smell smoke, take steps to protect your health.

Schools are advised to check out these School Air Quality Activity Recommendations:

Activity	LEVEL 1 AQI 0-50 PM2.5 (10 µg/m³)	LEVEL 2 AQI 51-100 PM2.5 (10 µg/m³)	LEVEL 3 AQI 101-150 PM2.5 (10 µg/m³)	LEVEL 4 AQI 151-200 PM2.5 (10 µg/m³)	LEVEL 5 AQI 201 or higher PM2.5 (10 µg/m³)
Recess (15min)	No restrictions	Ensure that sensitive individuals are medically managing their condition.*	Sensitive individuals should exercise indoors or avoid vigorous outdoor activities.**	Exercise indoors or avoid vigorous outdoor activities. Sensitive individuals should remain indoors.**	No outdoor activity. All activities should be moved indoors.
P.E. (1hr)	No restrictions	Ensure that sensitive individuals are medically managing their condition.*	Sensitive individuals should exercise indoors or avoid vigorous outdoor activities.**	Exercise indoors or limit vigorous activities to a maximum of 10 minutes. Sensitive individuals should remain indoors.**	No outdoor activity. All activities should be moved indoors.
Athletic Practice & Training (2-4hrs)	No restrictions	Ensure that sensitive individuals are medically managing their condition.*	Reduce vigorous activities to 30 minutes per hour of practice time with increased rest breaks and substitutions. Ensure that sensitive individuals are medically managing their condition.*	Exercise indoors or reduce vigorous activities to 30 minutes of practice time with increased rest breaks and substitutions. Sensitive individuals should remain indoors.**	No outdoor activity. All activities should be moved indoors.
Scheduled Sporting Events	No restrictions	Ensure that sensitive individuals are medically managing their condition.*	Increase rest breaks and substitutions per CP guidelines for athletes' health. Ensure that sensitive individuals are medically managing their condition.*	Increase rest breaks and substitutions per CP guidelines for athletes' health. Ensure that sensitive individuals are medically managing their condition.*	Events should be rescheduled or postponed.

\* Sensitive individuals include all those with asthma or other heart/lung conditions. \*\* California Interscholastic Federation

Bay Area Air Quality Management District  
 Published by Bay Gov (7) · October 26, 2019

The Northern Sonoma County Air Pollution Control District has evacuated their office in Healdsburg. The Bay Area Air District will provide information and updates for the agency via our website and social media as needed. Hourly air quality data is available at <https://bit.ly/2p7UFgs> & at [airnow.gov](#).

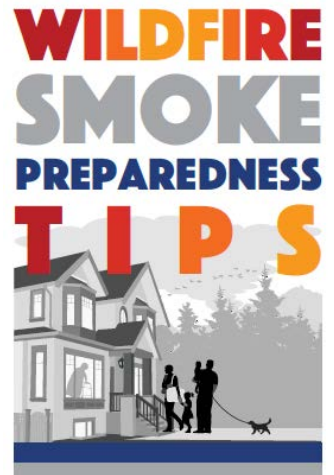
Alaska

AIRNOW.GOV  
 AirNow  
 AirNow -

1,051 People Reached

148 Engagements

Boost Post



bayareaairdistrict · Following

bayareaairdistrict & Spare the Air Alert has been issued for tomorrow, October 28 due to smoke impacts from the #KincadeFire and local wildfires. Follow evacuation orders and instructions from local health officials to protect your health. Visit [sparetheair.org](#) for more information.

Currently, smoke from the Kincade Fire and other local fires is mostly

Liked by ashapiro623 and 98 others

October 27, 2019

Add a comment...



# Wildfire Rule Amendments (2019)



## Regulation 6, Rule 3 (Wood Burning Devices)

- Year-round restrictions when wildfire smoke impacts the region
- Prohibit wood burning when particulate matter (PM<sub>2.5</sub>) is forecasted to exceed national standard (35 µg/m<sup>3</sup>)

## Regulation 5 (Open Burning)

- Align with statewide fuel reduction projects
- Exempt public agencies from open burn fees when conducting prescribed burns



# Ongoing and Future Efforts: Prevention, Recovery, and Protecting Public Health



## Preparation and Prevention

- Evaluate expansion of chipping program for wildfire prevention
- Create Network of Cleaner Air Shelters (AB 836)

## During Wildfire Episodes

- Evaluate new Regulation 15 to establish general guidance and voluntary measures to address wildfire smoke

## Recovery

- Wildfire Recovery Assistance Grants



# Ongoing and Future Efforts: Understand Health Impacts of Wildfire Smoke



## Particulate Matter Symposium (2019-2020)

- Identify latest science and gaps in knowledge
- Identify health-focused guidelines and measures based on latest science
- Engage experts to have the conversation that isn't happening nationally

## Partnerships with scientists to understand health impacts of wildfires

- NASA-funded project with 40 scientists throughout the U.S.
- Track research on how wildfire smoke may differ from other air pollution
- Analyze monitoring data to understand air quality impacts from large wildfires





# Particulate Matter: Spotlight on Health Protection

Next event: **Tuesday, March 24, 2020**

Location: **Marriott City Center, Oakland**

1001 Broadway · Oakland, California 94607

## Topics:

- Intersection of Public Health, Healthy Neighborhoods and Jobs
- What are the Legal Remedies?

# Legislative Initiatives



- Air District Legislative Day at Capitol
- AB 617 Funding and State Budget
- Magnet Source Authority Bill
- Private School Siting Bill
- Legislation to Watch Out For:
  - FASTER
  - PSPS/Emergency Generation
  - Climate Resilience Bond
  - Wildfire and Smoke  
Climate Change



# Board Development and Committee Assignments for 2020



17G

**Chairperson Rod Sinks**  
Board of Directors





**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
BOARD OF DIRECTORS**

**2020 STANDING COMMITTEE ASSIGNMENTS  
EFFECTIVE: FEBRUARY 1, 2020**



<b><u>Budget and Finance</u></b>	<b><u>Executive</u></b>	<b><u>Mobile Source</u></b>
<i>4<sup>th</sup> Wednesday of each month at 9:30 a.m.</i>	<i>At the Call of the Chair</i>	<i>4<sup>th</sup> Thursday of each month at 9:30 a.m.</i>
Carole Groom (C)	Rod Sinks (C)	Dave Canepa (C)
John Bauters (VC)	Cindy Chavez (VC)	Tyrone Jue (VC)
Margaret Abe-Koga	John Bauters	Pauline Russo Cutter
Dave Canepa	John Gioia	Scott Haggerty
Cindy Chavez	Scott Haggerty	Dave Hudson
Pauline Cutter Russo	Dave Hudson	Liz Kniss
Dave Hudson	Tyrone Jue	Karen Mitchoff
Tyrone Jue	Karen Mitchoff	Katie Rice
Karen Mitchoff	Katie Rice	Lori Wilson
Mark Ross	Jim Spering	
Brad Wagenknecht	Brad Wagenknecht	
<b><u>Stationary Source</u></b>	<b><u>Climate Protection</u></b>	<b><u>Legislative</u></b>
<i>3<sup>rd</sup> Monday of every other month at 9:30 a.m.</i>	<i>3<sup>rd</sup> Thursday of every other month at 9:30 a.m.</i>	<i>4<sup>th</sup> Wednesday of each month at 10:30 a.m. (after Budget &amp; Finance)</i>
John Bauters (C)	Teresa Barrett (C)	Margaret Abe-Koga (C)
Karen Mitchoff (VC)	John Gioia (VC)	Brad Wagenknecht (VC)
David Canepa	Scott Haggerty	John Bauters
John Gioia	Dave Hudson	Dave Canepa
Carole Groom	Davina Hurt	Pauline Russo Cutter
Tyrone Jue	Liz Kniss	John Gioia
Nate Miley	Gordon Mar	Scott Haggerty
Mark Ross	Katie Rice	Davina Hurt
Jim Spering	Mark Ross	Tyrone Jue
Brad Wagenknecht	Brad Wagenknecht	Karen Mitchoff
	Shirlee Zane	Jim Spering

