



BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

2020 ANNUAL REPORT

# ADAPTING to Change

LEADERSHIP FOR THE FUTURE



# Bay Area AIR DISTRICT Monitoring Sites



- AIR MONITORING SITES
- ◆ METEOROLOGICAL SITES

**SINCE 1955, THE AIR DISTRICT HAS WORKED TO IMPROVE AIR QUALITY IN THE BAY AREA, PASSING MANY FIRST-IN-THE-NATION REGULATIONS SINCE OUR FOUNDING.**

The challenge of climate change has led us to re-envision our work to include greenhouse gas reductions and to address the increasing frequency and severity of wildfires and related smoke impacts. Through partnerships with communities, local governments and industry, we are continuing to develop innovative strategies to reduce emissions and cool the climate.



# Executive OFFICER Statement

**WE FACED UNPRECEDENTED CHALLENGES THIS PAST YEAR FROM THE COVID-19 PANDEMIC TO THE MASSIVE WILDFIRES AND MAJOR ENVIRONMENTAL ROLLBACKS AT THE FEDERAL LEVEL. DESPITE THESE CHALLENGES, THE AIR DISTRICT HAS CONTINUED OPERATIONS UNINTERRUPTED.**

When the shelter-in-place order was issued in March, our office staff shifted to remote work, continuing all duties including air monitoring and forecasting, and issuing facility permits, while field staff continued to inspect industry and investigate air quality complaints. We continued our work in Bay Area communities hardest hit by air pollution through regular online community meetings to further AB 617 program implementation.

We all saw the benefits that remote work can bring through reduced traffic and improved air quality. Seeing an opportunity to retain these long-term benefits, the Air District launched the Flex Your Commute Program and the Remote Work Policy Clearinghouse to provide tools and encourage Bay Area employers to commit to remote work options for their staff beyond the pandemic.

The murder of George Floyd by Minneapolis police ignited a worldwide movement for racial justice and moved the Air District to reflect on our role in facilitating equity in our communities and within our agency.

In response, the Air District Board of Directors issued a proclamation in support of racial justice. And in August, Veronica Eady joined the Air District as Senior Deputy Executive Officer, who is focusing her efforts on environmental justice matters and providing leadership to our community engagement, and diversity, equity and inclusion program and policy work.



In mid-August, we all witnessed the impacts of climate change firsthand, when we were faced with the unprecedented wildfires. With 5 of the 6 largest fires in California history, smoke impacted air quality throughout the Bay Area and triggered 30 consecutive Spare the Air Alerts – the longest streak on record. Through our expanding Wildfire Air Quality Response Program, the Air District donated portable air filtration units to the Red Cross to be deployed to evacuation shelters and clean air centers during wildfires.

The Air District consistently voiced our opposition to the Trump administration's numerous attacks on air quality and health protections and joined a joint lawsuit against the federal rollback of clean vehicle standards.

We hope that 2021 brings renewed support at the federal level for climate action and relief from the pandemic. Regardless of the challenges ahead, the Air District will continue to adapt to change and provide leadership for the future as we further protections of public health, air quality and the global climate.

**JACK P. BROADBENT**  
*Executive Officer*  
*Air Pollution Control Officer*

# Building **EQUITY** in Air Quality



## Community **HEALTH PROTECTION** Program

AS PART OF STATEWIDE EFFORTS TO IMPLEMENT ASSEMBLY BILL 617, THE AIR DISTRICT CONTINUED TO WORK IN COLLABORATION WITH COMMUNITY MEMBERS AND OTHER STAKEHOLDERS TO IMPLEMENT HEALTH PROTECTIVE MEASURES IN COMMUNITIES HIGHLY IMPACTED BY AIR POLLUTION.

Implementation of the **West Oakland Community Action Plan** focused on active transportation — such as biking and walking — improving transit access, harmonizing land use, reducing the impact of port and freight operations, and increasing health programs and green spaces to reduce air pollution. Based on training from City of Oakland staff, the Steering Committee is applying racial equity analyses to strategy priorities and implementation.



The **Richmond-North Richmond-San Pablo Path to Clean Air** expanded to a **Community Emissions Reduction Program**. A community steering committee will partner with the Air District to prioritize and select strategies to reduce emissions from local sources and mitigate exposure to air pollution. As part of the Path to Clean Air, a Monitoring Outreach Team working with the Air District continued to prepare and review public-facing updates on air monitoring projects.

Efforts will continue in the **AB 617 high priority communities** of eastern San Francisco, East Oakland and San Leandro, Vallejo, East Contra Costa County, the Tri-Valley area and San Jose. These efforts include community data collection, emissions inventories, modeling impacts from fine particulate pollution and toxics, providing funding incentives for emission reductions, and continuing to support leadership development through community grants.



# Hyper-Localized **MOBILE AIR** Monitoring Program

**IN JANUARY, THE AIR DISTRICT AND ACLIMA ANNOUNCED THE ROLL-OUT OF A CUTTING-EDGE AIR QUALITY DATA PROGRAM THAT WILL MAP AIR POLLUTANTS AND GREENHOUSE GASES IN EVERY BAY AREA NEIGHBORHOOD – COVERING MORE THAN 5,000 SQUARE MILES.**

Fleets of low-emission vehicles equipped with air quality sensing devices and software will collect, analyze and map air pollution and greenhouse gas levels as they drive on Bay Area roads. The data will plot block-by-block average concentrations of air pollutants over a year – such as fine particulates, ozone, nitrogen dioxide and greenhouse gases. This high-resolution picture of air quality will show air pollution hot spots, enabling more targeted follow-up studies and emissions reduction efforts.



## Partnership on **DATABASE** Development

Through an interagency Partnership Agreement, the Air District is leveraging the Metropolitan Transportation Commission's data management expertise to support increasingly complex database and project assignments, including support for the AB 617 Community Health Protection Program. A critical element of effective agency collaboration is shared datasets, an element facilitated by this agreement to produce consistent and coordinated methods for database development, documentation and online publishing.

## Technical **ASSISTANCE** for Communities

**THE AIR DISTRICT ESTABLISHED THE BAY AIR CENTER, A SUPPORT AND KNOWLEDGE-SHARING RESOURCE FOR COMMUNITY ORGANIZATIONS ON TECHNICAL AIR QUALITY TOPICS, INCLUDING DATA ANALYSIS AND LOW-COST AIR QUALITY SENSORS.**

THROUGH A PARTNERSHIP WITH CONTRA COSTA COUNTY, THE AIR DISTRICT IS REDUCING GREENHOUSE GAS EMISSIONS AND IMPROVING INDOOR AND OUTDOOR AIR QUALITY FOR HIGH-RISK ASTHMA PATIENTS.



## Green and **HEALTHY HOMES** Initiative

The Green and Healthy Homes Initiative is an innovative collaboration with partners from government agencies, the private sector and community-based organizations to improve health outcomes and protect the climate. The program will implement and monitor improvements in the homes of select high-risk asthma patients across the county to improve indoor air quality, remove underlying asthma triggers and reduce GHG emissions. Improvements will include air filtration and dehumidification, ventilation, electrical upgrades, electrification of air systems and appliances, induction cooking and energy efficient appliances.

## Climate and Food **PROGRAM**

The food we eat has tremendous impacts on both our health and the health of the planet. The world's food system accounts for nearly one-quarter of annual greenhouse gas emissions, from crop and livestock production to food processing and distribution and food waste. In 2020, the Air District partnered with Acterra to produce a webinar series to promote plant-based diets. The series featured the documentary, *The Invisible Vegan*, that explores unhealthy dietary patterns in the African American community. It also included Holiday reFresh, a program of live cooking demonstrations by popular Bay Area chefs preparing seasonal, plant-based meals representing diverse cultural backgrounds.



## Ad Hoc Committee on **EQUITY, ACCESS, AND INCLUSION**

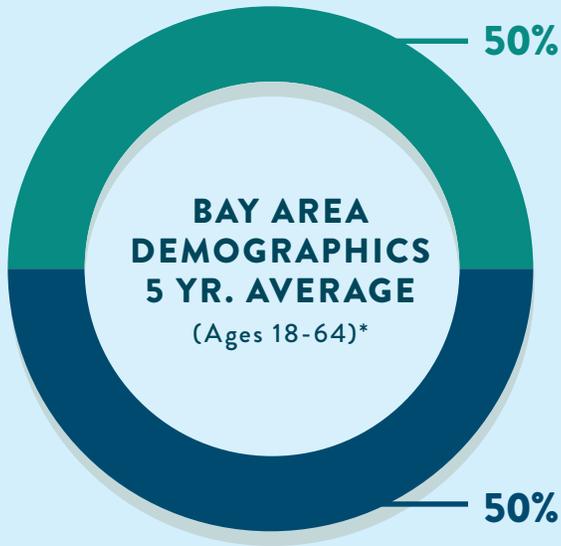
The Air District Board of Directors approved the formation of an Ad Hoc Committee – renamed the Community Equity, Health and Justice Committee in early 2021 – to address environmental justice, inequities in health outcomes, and economic opportunities in Bay Area communities disproportionately impacted by air pollution. The Committee will prioritize traditionally marginalized and disinvested communities in Air District policies and programs.

## Air District Board **ADOPTS RESOLUTION** Condemning Racism

On June 17, the Air District's Board of Directors unanimously adopted a resolution condemning racism and injustice and affirming the agency's commitment to diversity, equity, access and inclusion in its policies, programs and practices. Institutional racism is ingrained in the American system of government. The Air District firmly recognizes the inherent dignity of all individuals and is committed to eradicating barriers to opportunities in communities disenfranchised by government.

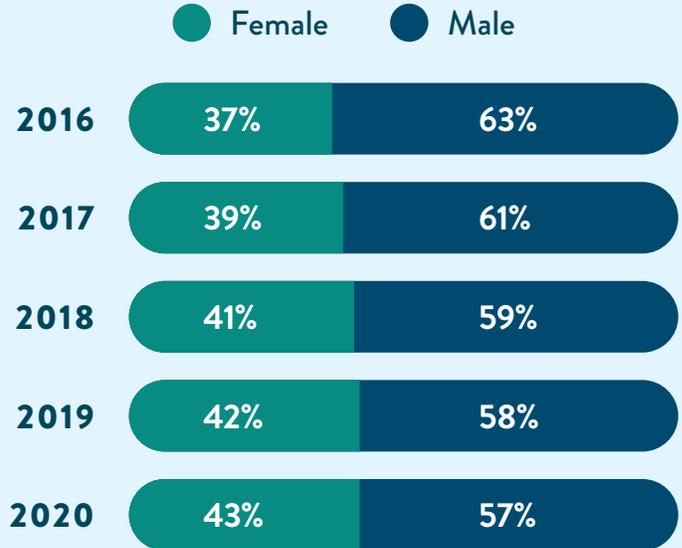


# Demographics by GENDER

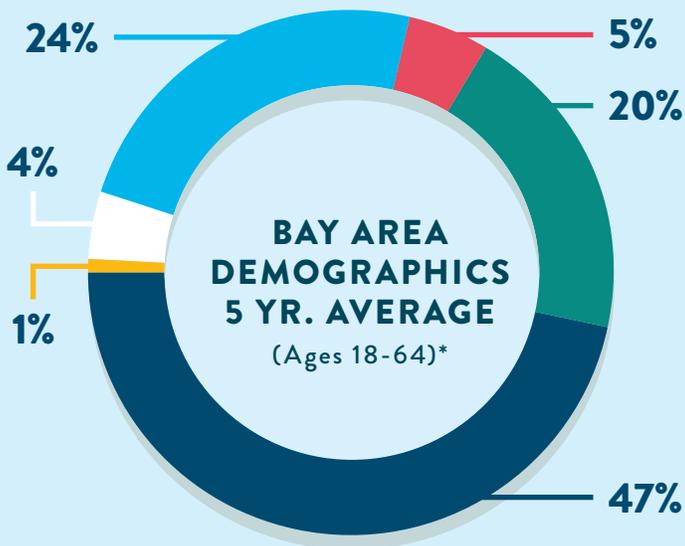


\*American Community Survey (ACS) Census Bureau

## AIR DISTRICT STAFF DEMOGRAPHICS

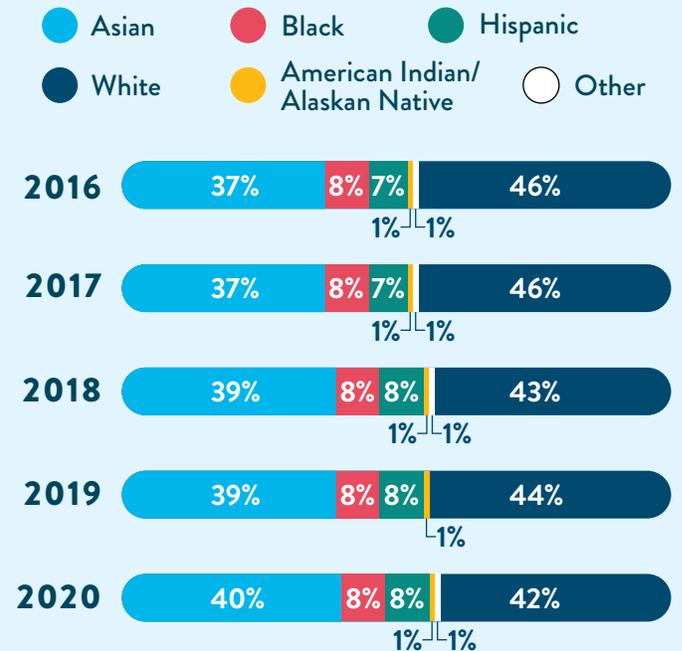


# Demographics by RACE/ETHNICITY

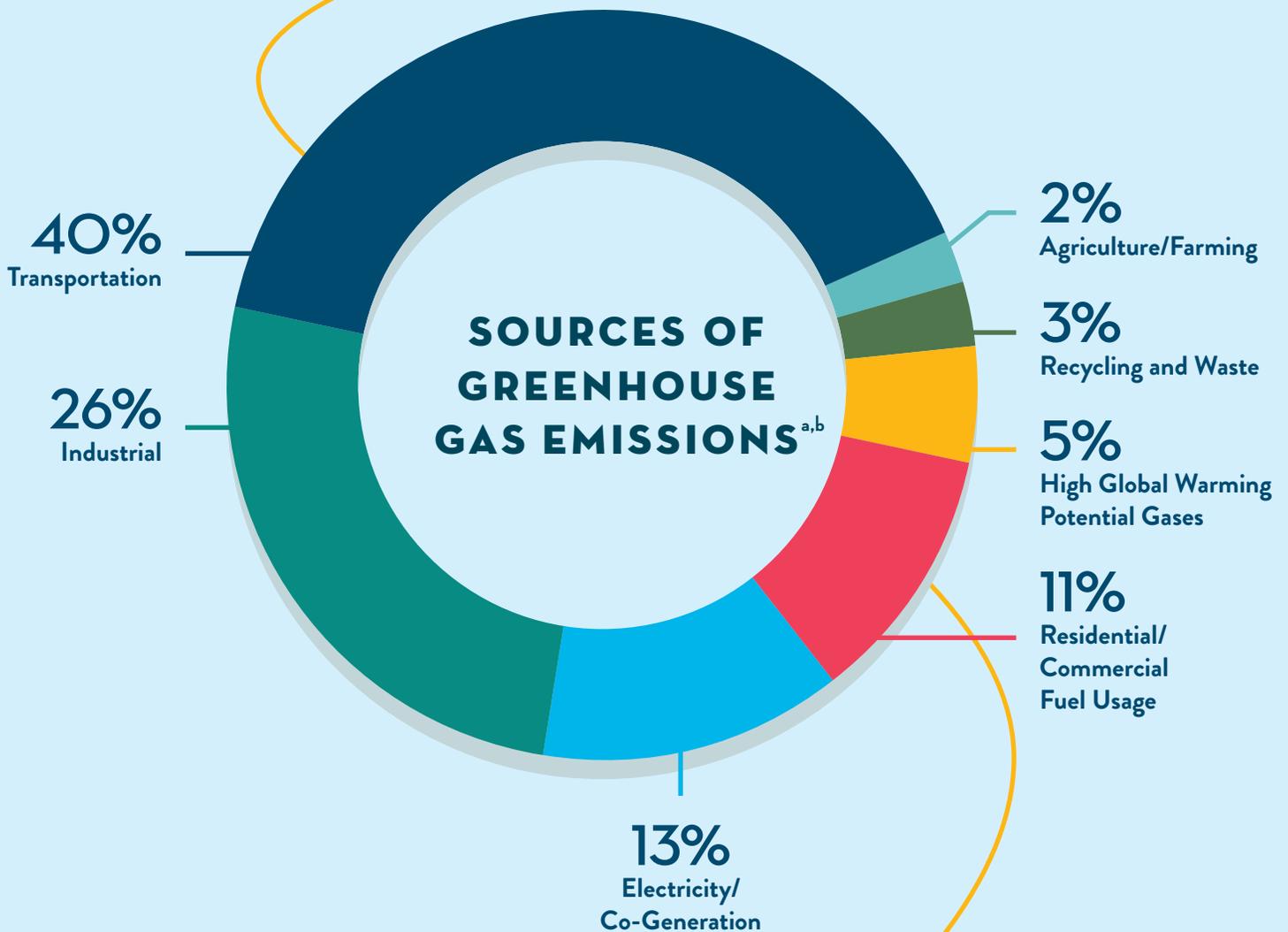


\*American Community Survey (ACS) Census Bureau

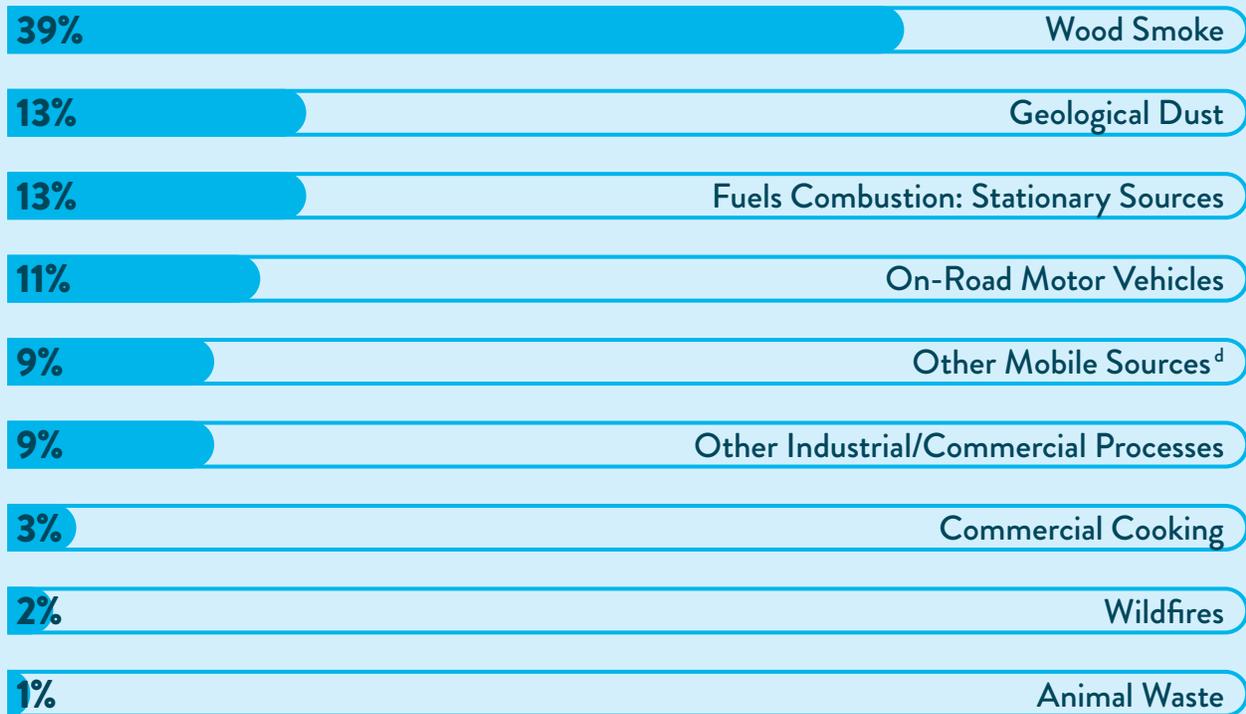
## AIR DISTRICT STAFF DEMOGRAPHICS



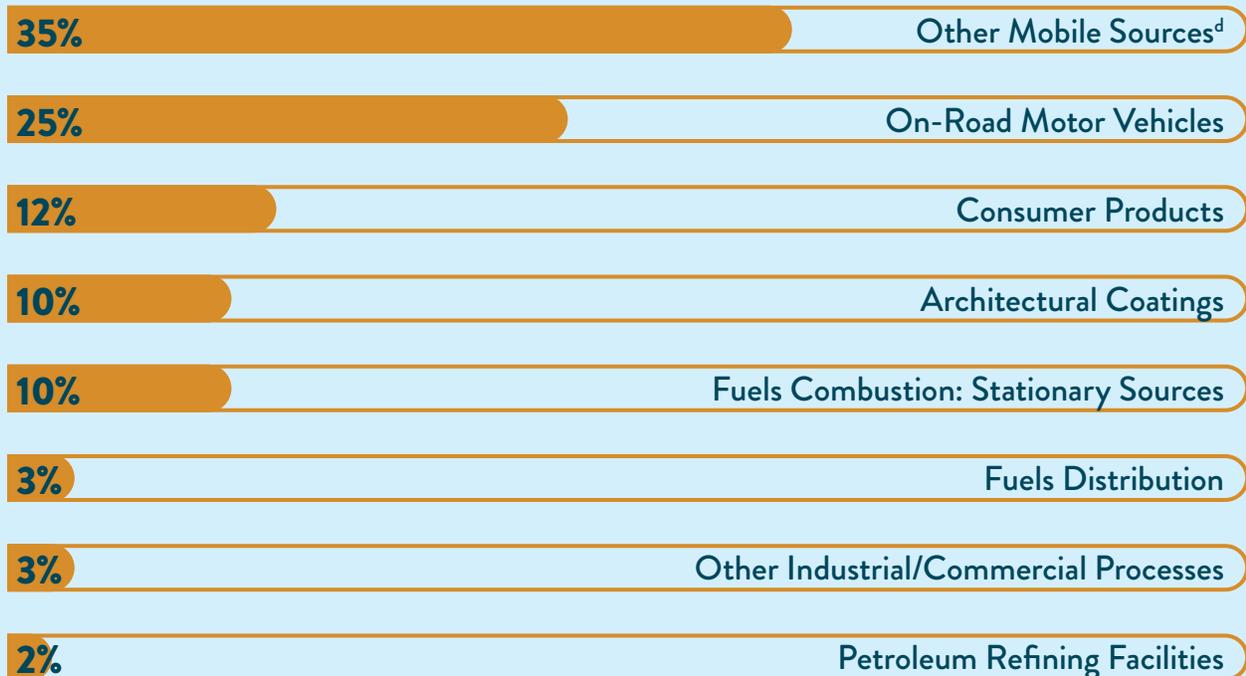
# Sources of **BAY AREA** Pollution



## WINTER SOURCES OF FINE PARTICULATE POLLUTANTS<sup>b,c</sup>



## SUMMER SOURCES OF OZONE-FORMING POLLUTANTS<sup>b,c</sup>



a. The Air District's latest greenhouse gas (GHG) emissions estimates can be found here: [baaqmd.gov/capghg](http://baaqmd.gov/capghg). The Air District has recently collected methane measurements that indicate corrections are needed for some of these source contributions. Staff are reviewing GHG estimates to improve consistency with the measurements.

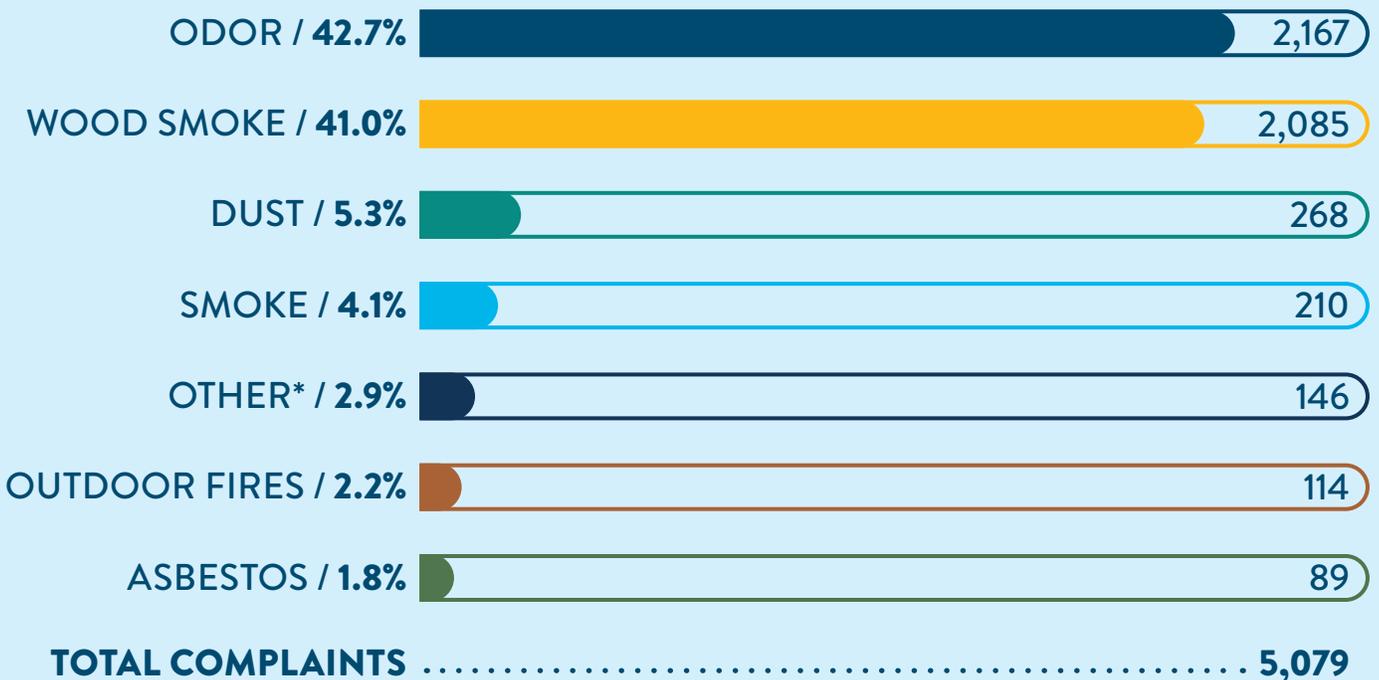
b. The percentage estimates were developed based on the Air District's currently available base year inventory data (see [baaqmd.gov/emissioninventory](http://baaqmd.gov/emissioninventory)). These estimates do not reflect specific emissions changes in year 2020 from the COVID-19 shelter-in-place and wildfires.

c. The Air District is in the process of updating the base year inventory to reflect changes in recent state and local regulations and emissions data.

d. This category includes aircraft, ships, trains, construction equipment and other off-road equipment.



## 2020 AIR POLLUTION COMPLAINTS



\*includes commercial idling, flaring, gas stations and unpermitted sources

**2020 PERMITTING ACTIVITY****BAY AREA PERMITTED FACILITIES**

Refineries .....	5
Major Facilities (Excludes Refineries) .....	78
Gasoline Dispensing Facilities .....	2,211
All Other Facilities .....	7,471
<b>Total Permitted Facilities .....</b>	<b>9,765</b>

**Permitted Devices and Operations .....** **22,574**

**NEW PERMIT APPLICATIONS**

Major Source Review (Title V) .....	60
New Source Review (NSR) .....	1,199
<b>Total New Permit Applications .....</b>	<b>1,259</b>

**HEALTH RISK SCREENING ANALYSES**

Diesel Engines .....	166
Gasoline Dispensing Facilities .....	16
Other Commercial/Industrial Facilities .....	83
Hydrogen Sulfide Modeling .....	14
<b>Total Health Risk Screening Analyses .....</b>	<b>279</b>

**FACILITY HEALTH RISK SCREENING ANALYSES**

Preliminary .....	6
Draft .....	2
Final .....	0
<b>Total Facility Health Risk Screening Analyses .....</b>	<b>8</b>

**2020 RULEMAKING ACTIVITY****RULES ADOPTED OR AMENDED**

**June 3, 2020**

Regulation 3: Fees (amendments adopted)

**2020 CIVIL PENALTIES AND VIOLATIONS**

Civil Penalties .....	\$923,900
Violations Resolved with Penalties .....	330

**2020 COMPLIANCE AND ENFORCEMENT ACTIVITY****COMPLIANCE INSPECTIONS**

Source Inspections .....	4,428
Air Pollution Complaints (Excludes Smoking Vehicles) .....	5,079
Gasoline Dispensing Facility Inspections .....	430
Asbestos Inspections .....	1,350
Reportable Compliance Activities .....	618
Diesel Compliance and Grant Inspections .....	452
<b>Total Compliance Inspections .....</b>	<b>12,357</b>

**LABORATORY****2020 ANALYSES PERFORMED IN THE LAB**

*Samples provide information about pollutant levels in ambient air, which help to identify areas for further reductions.*

Particulate Matter .....	4,452
Toxics.....	1,567
Source-Oriented Analyses .....	1
Interagency and Development Projects .....	51
<b>Total.....</b>	<b>6,071</b>

**SOURCE TEST ACTIVITY****NUMBER OF SOURCE TESTS IN 2020**

Refinery Source Tests .....	3
<i>Compliance Rate .....</i>	<i>100%</i>
Title V Source Tests (Excludes Refineries) .....	15
<i>Compliance Rate .....</i>	<i>93.3%</i>
Gasoline Cargo Tanks .....	89
<i>Compliance Rate .....</i>	<i>98.9%</i>
Gasoline Dispensing Facilities .....	41
<i>Compliance Rate .....</i>	<i>63.4%</i>
Other Misc. Source Tests.....	15,702
<i>Compliance Rate .....</i>	<i>99.8%</i>
<b>Total Source Tests .....</b>	<b>15,850</b>
<b>Total Violations .....</b>	<b>50</b>
<b>Compliance Rate .....</b>	<b>99.7%</b>

**2020 EXCEEDANCES OF AIR QUALITY STANDARDS****OZONE**

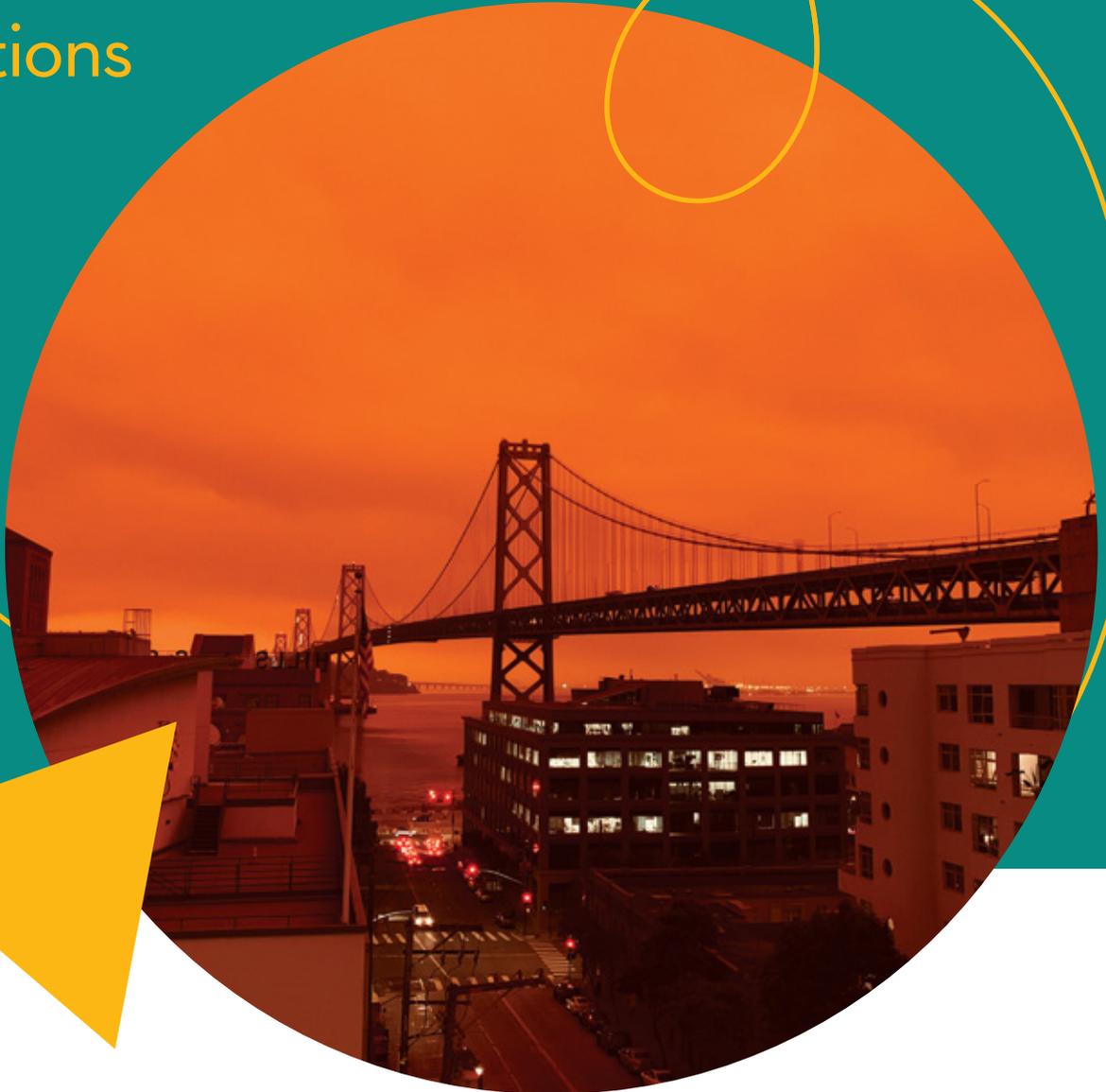
Days over National 8-Hour Standard .....	9
Days over California 1-Hour Standard .....	6
Days over California 8-Hour Standard .....	10

**PARTICULATE MATTER**

Days over National 24-Hour PM <sub>10</sub> Standard .....	0*
Days over California 24-Hour PM <sub>10</sub> Standard .....	0*
Days over National 24-Hour PM <sub>2.5</sub> Standard .....	25

\* Pending final certification of exceedance data

# Furthering **AIR QUALITY** Protections



## Comprehensive **MILPITAS** Odor Study

The Air District launched a study to identify compounds from waste facilities producing odors that impact the Milpitas area. The study's goal is to determine the contribution, variability, frequency and concentration level of odors from these facilities to inform future actions. The study is being conducted in partnership with South Bay community members to address community concerns and educate the public about sources of odors and reduction actions.

# Wildfire AIR QUALITY Response Program

**THE UNPRECEDENTED 2020 WILDFIRE SEASON TRIGGERED 30 CONSECUTIVE SPARE THE AIR ALERTS – THE LONGEST STREAK OF POOR AIR QUALITY ON RECORD – CAUSED BY 5 OF THE 6 LARGEST WILDFIRES IN CALIFORNIA HISTORY.**

The Wildfire Air Quality Response Program, established in 2019, continued to strengthen and evolve in 2020. Through the program, the Air District works with local and state partners to create clean air centers to provide improved air filtration systems to those most vulnerable, explore new regulatory and legislative actions, direct funding to implement a Wildfire Prevention Chipping Pilot Program, and initiate a grant program for home air filtration units. A robust public messaging plan has helped raise awareness on the health impacts of wildfire smoke and prepare residents for future wildfires.



## Study on Fine **PARTICULATE MATTER** Impacts from Refineries

A study was conducted to model the level of fine particulate matter (PM<sub>2.5</sub>) impacts from the Chevron refinery in Richmond on the surrounding community. Models demonstrated the spread of the PM<sub>2.5</sub> emissions from the refinery and demographics of those most impacted. A second study is being conducted for the PBF (formerly Shell) refinery in Martinez. Data gathered from these studies will inform rule development efforts underway to reduce health burdens on the community from refinery operations.

## Flex Your **COMMUTE** Program

The shelter-in-place order that began in March demonstrated the air quality and traffic benefits that remote work can bring. The Air District and Spare the Air are encouraging employers to make a **Flex Your Commute Pledge** to adopt ongoing employee options for remote work, if work requirements allow. Remote work has the additional benefits of employee retention and work-life balance, and employer savings on commercial real estate.

The Air District's Remote Work Policy Clearinghouse includes information on the mobility, air quality and health benefits of remote work for elected officials, private businesses and public agencies. It provides a complete remote work toolkit featuring resources and guidance, model teleworking agreements, and information on equity considerations and ergonomics.



**“THE AIR DISTRICT’S REMOTE WORK POLICY CLEARINGHOUSE INCLUDES INFORMATION ON THE MOBILITY, AIR QUALITY AND HEALTH BENEFITS OF REMOTE WORK FOR ELECTED OFFICIALS, PRIVATE BUSINESSES AND PUBLIC AGENCIES.”**

## Spare the Air Program Adapts to the “NEW NORMAL”



## NEW SPARE THE AIR AD CAMPAIGNS WERE LAUNCHED IN 2020:

One promoting remote work to lower emissions from commute traffic and another stressing the negative health impacts of wood burning pointing out that all smoke is unhealthy to breathe — whether from cigarettes, wildfires or fireplaces. In response to Covid-19 restrictions on public events, the Air District developed an animated, interactive virtual “booth” that can be linked to any event marketplace or landing page. Visitors to the “booth” can access information, resources and collateral that are normally available at in-person events. Due to the unprecedented wildfire season, 52 Spare the Alerts were issued in 2020 — 43 of which were triggered by wildfire smoke. Spare the Air social media pages had over 5 million impressions in 2020 and gained 4,556 followers across all platforms to reach a total following of over 29,500.

## First-of-its-kind Rule **REDUCES** Toxic Air Pollution

In order to comply with the most stringent toxic air pollution regulation in the nation, local industries are taking early action to further reduce their health impacts on Bay Area residents. The adoption of Regulation 11-18 in 2017 has already resulted in reduced emissions of toxic air contaminants at facilities through preemptive risk reduction projects, including emissions inventory correction and validation, process changes and abatement measures.

By Fall 2020, the Air District initiated health risk assessments for the majority of facilities that show the most potential for toxic air pollution impacts, with the remaining facilities scheduled to be completed in the subsequent 12 months. Facilities that exceed the rule’s health risk action level will be required to submit a risk reduction plan, which outlines actions the facility will take to reduce emissions below the action levels.



## Diesel Free BY '33

The Air District hosted a series of webinars on technology alternatives, funding opportunities and health impacts of diesel pollution that attracted 300 participants. The program also conducted a needs assessment to address barriers to achieving the program's goal. Nearly 100 Bay Area community leaders and elected officials signed commitment letters to meet the program's challenge.

## BUILDING Decarbonization Program



A top priority of the Air District's Climate Protection Program is to accelerate the transition from natural gas to electricity in buildings. The Air District's Building Decarbonization Program includes the Clean Building Compass, an online clearinghouse of policy resources for local governments developed through a partnership with the Building Decarbonization Coalition and the Bay Area Regional Collaborative. The Air District is also participating in a statewide public education and marketing campaign called "The Switch Is On" that brings the message of a better life through electrification and exploring potential rulemaking to limit the sale of natural gas appliances.

## Lawsuit Challenging **TRUMP'S ROLLBACK** of Clean Vehicle Standards

**ON MAY 28, THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FILED A PETITION CHALLENGING THE U.S. EPA AND NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION'S ROLLBACKS TO THE SAFER AFFORDABLE FUEL-EFFICIENT VEHICLES RULE, KNOWN AS THE SAFE RULE PART TWO, INITIATED BY THE TRUMP ADMINISTRATION.**

The rollbacks will result in the release of additional air pollutants and greenhouse gas emissions from 2021-2026 model passenger vehicles and light-duty trucks and will weaken fuel-efficiency standards established in 2012. The rollbacks establish vehicle emission standards that will increase in stringency by only 1.5 percent per year from MY 2020 levels over MYs 2021-2026, compared to more stringent standards promulgated by the Obama administration that required 5 percent annual increases in stringency of fuel economy and greenhouse gas emissions standards. The petition adds to existing multi-party litigation that the Air District is participating in challenging Part One of the SAFE Rule. The SAFE Rule is the Trump administration's revocation of the California waiver for greenhouse gas and zero-emission vehicle standards, which attempts to strip the state of its ability to set its own greenhouse gas-related emission requirements.

# 2020 Emission Reductions of AIR DISTRICT INCENTIVE PROJECTS

## OFF-ROAD VEHICLES, EQUIPMENT AND INFRASTRUCTURE

**Total Funds Awarded** ..... **\$17.84M**  
Sum of Off-Road and Agricultural Off-Road categories

### ESTIMATED ANNUAL EMISSIONS REDUCTION FOR THE PROJECTS FUNDED (TONS/YEAR)

Oxides of Nitrogen (NO<sub>x</sub>) ..... 73.13  
Reactive Organic Compounds (ROG) ..... 8.11  
Particulate Matter (PM<sub>10</sub>) ..... 3.60  
**Total**..... **84.84**

## ON-ROAD CLEAN AIR VEHICLES AND INFRASTRUCTURE

**Total Funds Awarded** ..... **\$40.39M**

### ESTIMATED ANNUAL EMISSIONS REDUCTION FOR THE PROJECTS FUNDED (TONS/YEAR)

NO<sub>x</sub>..... 63.68  
ROG..... 51.09  
PM<sub>10</sub> ..... 0.78  
**Total**..... **115.55**

## TRIP REDUCTION PROJECTS

**Total Funds Awarded** ..... **\$9.10M**

### ESTIMATED ANNUAL EMISSIONS REDUCTION FOR THE PROJECTS FUNDED (TONS/YEAR)

NO<sub>x</sub>..... 1.83  
ROG..... 1.94  
PM<sub>10</sub> ..... 4.90  
**Total**..... **8.67**

## BAY AREA CONGESTION MANAGEMENT AGENCY FUNDING

**Total Funds Awarded** ..... **\$10.46M**

### ESTIMATED ANNUAL EMISSIONS REDUCTION FOR THE PROJECTS FUNDED (TONS/YEAR)

NO<sub>x</sub>..... 27.75  
ROG..... 28.89  
PM<sub>10</sub> ..... 38.62  
**Total**..... **95.26**

# Funding **CHANGE** for the Future



## Community **HEALTH PROTECTION** Grants

A total of \$350,000 in community readiness grant funds were awarded to community groups, neighborhood associations and other local nonprofits based in neighborhoods identified under AB 617 as priority communities. Grantees included All Positives Possible, Bayview Hunters Point Community Advocates, Breathe California of the Bay Area, Communities for a Better Environment, International Children Assistance Network, La Clinica de la Raza and Tri-Valley Nonprofit Alliance.

## James Cary Smith **COMMUNITY** Grants Program

The Air District awarded \$300,000 in grant funds to community-based organizations working to address air pollution and reduce global climate impacts. Due to the pandemic, grant timelines for many funded partners were extended. Grantees included Daily Acts Organization, Earth Team, Green Ninja Inc., Literacy for Environmental Justice, Mycelium Youth Network, Rose Foundation, Sequoia Foundation, Strategic Energy Innovations, TransForm, Vallejo Citizen Air Monitoring Network, Valley Verde and Veggielution.





## Climate Tech **FINANCE PROGRAM**

**THE AIR DISTRICT AWARDED ITS FIRST EVER LOAN GUARANTEE TO SWITCH MARITIME, AN IMPACT INVESTMENT COMPANY BUILDING THE FIRST FLEET OF ZERO-EMISSIONS VESSELS IN NORTH AMERICA.**

This \$2.5 million loan guarantee supports the commercialization of SWITCH's hydrogen fuel cell "e-ferry" that will operate between Oakland and San Francisco. The Air District also awarded a \$1 million loan guarantee to Gridscape, a microgrid developer installing software-enabled solar-battery microgrids at municipal facilities around the Bay Area. These are the first two projects under the Air District's Climate Tech Finance program, which seeks to reduce greenhouse gases by accelerating emerging climate technologies.

## Climate Tech **MARKETPLACE**

The Air District hosted a virtual Climate Tech Marketplace event on October 22 with over 200 attendees. The event's keynote speaker was Mariana Mazzucato, author and economist who helped shape the Green New Deal. Interactive panel discussions were held on public sector innovation, equitable access to clean energy, and software solutions for climate resilience. A live interactive showcase of emerging climate technologies featured over 30 exhibitors.



## IN 2020, THE AIR DISTRICT AWARDED OVER \$75 MILLION TO PROJECTS THAT IMPROVE AIR QUALITY, AND PROTECT PUBLIC HEALTH AND THE CLIMATE.

In total, these projects are expected to reduce over 300 tons per year of criteria pollutant emissions, including oxides of nitrogen, reactive organic gases, and particulate matter. Looking forward, the Air District anticipates providing nearly \$100 million in 2021 for mobile source reduction projects.

## Diesel Pollution and Air Toxics **REDUCTIONS** in Disadvantaged Communities

**THE AIR DISTRICT'S INCENTIVE  
PROGRAMS PRIORITIZE COMMUNITIES  
MOST IMPACTED BY AIR POLLUTION.**

In 2020, the Community Health Protection Program awarded \$26 million out of \$27 million in funding to projects benefiting disadvantaged communities, including West Oakland and Richmond. These projects reduce pollutants from older diesel engines, including medium and heavy-duty trucks and buses, mobile construction and industrial equipment, marine vessels, airport ground support equipment, port cargo handling equipment, locomotives and school buses.

## Zero-Emission **HEAVY-DUTY VEHICLE** and Equipment Adoption

The Air District awarded \$22 million in grant funding in 2020 to accelerate the deployment of zero-emission technologies in the medium- and heavy-duty sector. The funding will support the replacement of more than 90 pieces of diesel equipment with battery-electric and hydrogen fuel-cell alternatives.

**\$22  
MILLION**  
in grant funding  
awarded to support  
the replacement of:

**41**

TRANSIT AND  
SHUTTLE BUSES

**21**

SCHOOL BUSES

**7**

AGRICULTURAL  
TRACTORS

**11**

CARGO HANDLING  
AND AIRPORT  
GROUND SUPPORT  
EQUIPMENT

**11**

HEAVY- AND  
MEDIUM-  
DUTY TRUCKS/  
DELIVERY VANS

INCLUDING THE  
INSTALLATION OF

**50**

CHARGING  
STATIONS



## VEHICLE BUY BACK Program

**IN 2020, THE AIR  
DISTRICT INCREASED THE  
INCENTIVE FROM \$1,000  
TO \$1,200 PER VEHICLE**

The program was expanded to include model year 1997 and older vehicles with more than 2,600 cars voluntarily retired and permanently removed from Bay Area roads.

# CLEAN CARS FOR ALL Program

The Air District's Clean Cars for All Program provides incentives to qualifying low-income households to retire older, high-polluting vehicles and replace them with a newer, cleaner vehicle or with mobility options such as public transit or electric bicycles. This program supports equitable access to clean transportation options, while reducing harmful criteria pollutants and greenhouse gas emissions in communities disproportionately burdened by pollution. The program, which opened in March 2019, saw a major increase in demand in 2020, receiving over 1,700 applications and awarding more than 1,100 applications totaling over \$10 million.



## Trip Reduction PROJECTS

**IN 2020, THE AIR DISTRICT AWARDED MORE THAN \$9 MILLION IN TRANSPORTATION FUND FOR CLEAN AIR FUNDS TO SUPPORT ALTERNATIVE MODES OF TRAVEL. FUNDS SUPPORTED THE INSTALLATION OF 8 MILES OF PROTECTED BICYCLE PATHS AND ROADWAYS, AND NEW SECURE PARKING FOR MORE THAN 600 BIKES. THIS FUNDING ALSO SUPPORTED PROJECTS THAT PROVIDE LAST-MILE CONNECTION COMMUTE SERVICES.**

# From the **STATE CAPITOL**

**DUE TO THE CONSTRAINTS OF COVID-19, THE 2020 LEGISLATIVE SESSION WAS LIMITED IN SCOPE. DESPITE THESE HURDLES, FUNDS FOR 2021 WERE SECURED AT THE STATE LEVEL FOR TWO AIR DISTRICT PROGRAMS.**

- ▶ \$50 million was allocated from the Air Pollution Control Fund for statewide AB 617 implementation – equal to last year’s allocation. The Air District is expecting to receive \$9 million of this funding.
- ▶ \$5 million was allocated statewide for the first year of the AB 836 Clean Air Center Program. The Air District is expecting to receive approximately \$3 million of these funds.

**NEITHER OF THE AIR DISTRICT-SPONSORED BILLS WERE PASSED, BUT BOTH WILL BE REINTRODUCED IN 2021:**

- ▶ **AB 2882 (Chu)** – Requires private schools and some charter schools to adhere to public school notification requirements during the CEQA process prior to new construction.
- ▶ **AB 3211 (Bauer-Kahan)** – Adds toxic air contaminants to pollutants eligible for local air district regulation under “indirect source rules.”



# Who is the **AIR DISTRICT?**

## EXECUTIVE MANAGEMENT

### Jack P. Broadbent

Executive Officer/Air Pollution  
Control Officer

### Brian C. Bungler

District Counsel

### Damian Breen

Senior Deputy Executive Officer

### Veronica Eady

Senior Deputy Executive Officer

### Greg Nudd

Deputy Air Pollution Control Officer

### Jeff McKay

Chief Financial Officer

### Rex Sanders

Chief Administrative Officer

### Vanessa Johnson

Manager, Executive Operations

## DIVISION DIRECTORS AND OFFICERS

### Alan Abbs

Legislative Officer

### Blair Adams

Information Systems

### Ranyee Chiang

Measurements and Meteorology

### John Chiladakis

Information Services

### Judith Cutino

Health Officer

### Lisa F. Fasano

External Affairs Officer

### Anthony Fournier

Technology Implementation

### Jeffrey Gove

Compliance and Enforcement

### Henry Hilken

Planning and Climate Protection

### Pamela Leong

Engineering

### Terri Levels

People and Engagement Officer

### Phil Martien

Assessment, Inventory, and Modeling

### Maricela Martinez

Administrative Resources

### Kristine Roselius

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Strategic Incentives

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Rules

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## CONTACT INFORMATION

### AIR POLLUTION COMPLAINTS

800.334.ODOR (6367)

### AIR QUALITY INFO

800.HELP.AIR (435.7247)

Daily Air Quality Forecasts,  
Spare the Air Alerts,  
Agricultural Burn Days

### COMPLIANCE ASSISTANCE

415.749.4999

### ENGINEERING SERVICES

415.749.4990

### GENERAL BUSINESS

415.749.5000

### PUBLIC INFORMATION

415.749.4900

### REPORT SMOKING VEHICLES

800.EXHAUST (394.2878)

### WOOD BURNING BAN ALERTS

877.4NO.BURN (466.2876)

## WEBSITES

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

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

## SOCIAL MEDIA

[twitter.com/@SpareTheAir](https://twitter.com/SpareTheAir)

[facebook.com/SpareTheAir](https://facebook.com/SpareTheAir)

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## BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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