

# PROTECTING



# OUR AIR



# CLIMATE

# AND COMMUNITIES



 BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

2023 ANNUAL REPORT



# INTRODUCTION

MESSAGE FROM OUR NEW EXECUTIVE OFFICER



Our mission is to significantly reduce the disproportionate levels of air pollution that many communities face.

## EXECUTIVE SUMMARY 2023

This year was a year of **renewal and change** at the Air District. I joined as Executive Officer in February and am joined by a new executive team. This new executive team will help steer our work towards **increasing transparency, collaboration, and protection for communities with environmental justice concerns.**

**Our mission is to significantly reduce the disproportionate levels of air pollution that many communities face and provide clean air for all Bay Area residents.** Through the AB 617 Community Health Protection Program and other community-focused programs, we will continue to implement stronger air quality protections for those most impacted. This year, Bayview Hunters Point was adopted as the fourth AB 617 community, joining East Oakland, Richmond-North Richmond-San Pablo, and West Oakland, to receive resources for much-needed air pollution reductions.

Our groundbreaking rule amendments for natural gas furnaces and water heaters will phase out the most polluting appliances in homes and businesses to protect Bay Area residents from the harmful air pollution they cause. Our innovative climate protection programs are funding and supporting cutting-edge technologies and projects to reduce greenhouse gas emissions. Through our extensive grant programs, communities and businesses can reduce their air quality impacts, upgrade to cleaner technologies, and educate and engage others on air quality and climate improvements.

As part of our efforts to increase transparency around our enforcement work, we developed an online tool that allows the public to view air quality violations and penalties issued to local facilities. Our ongoing

partnerships with environmental justice leaders from around the Bay Area, including through the AB 617 Community Steering Committees and Community Advisory Council, are giving the most impacted communities a leading voice in developing strategies, plans and implementation of on-the-ground improvements in air quality.

Our new Strategic Plan, which will be finalized in late-2024, will guide our agency over the next five years. The plan will be grounded in equity and align with the environmental justice priorities developed by the Community Advisory Council, integrating staff expertise and real-life experiences of communities through shared leadership.

After my first year at the Air District, I am confident that we can achieve our goals based on staff's and community partners' dedication and determination to address longstanding air quality and environmental justice issues. I am confident that together we can strengthen our efforts to protect our air, our climate, and our communities.

**DR. PHILIP FINE**  
Executive Officer / Air Pollution Control Officer

# NOTABLE ACHIEVEMENTS

WHAT ARE SOME NEW STEPS FORWARD IN OUR WORK?



## BUILDING APPLIANCE RULE AMENDMENTS

Amendments to Regulation 9, Rules 4 and 6, were adopted to eliminate emissions of nitrogen oxides, or NOx, from residential and commercial natural gas furnaces and water heaters in the Bay Area by requiring new appliances to be zero-NOx. Collectively, the 1.8 million water heaters and furnaces are one of the largest NOx-emitting stationary sources of air pollution in the region. The rule amendments apply only to new appliances sold and installed in the Bay Area and will improve overall regional air quality from the outdoor venting of these appliances, lower exposure to particulate matter – particularly in communities of color – and eliminate up to \$890 million per year in health impacts due to air pollution exposure.

We established a multi-stakeholder Implementation Working Group to track and assess market readiness and technology accessibility, and identify barriers and solutions to equitable implementation. The diverse stakeholders include utility and energy service providers, technology manufacturers, environmental justice and community-based organizations, state agencies, local and regional governments, incentive program administrators, labor unions, contractors, and others.



**\$890M**

per year in health impacts due to air pollution exposure will be eliminated through these rule amendments

**1.8M**

water heaters and furnaces are one of the largest sources of NOx pollution in the Bay Area

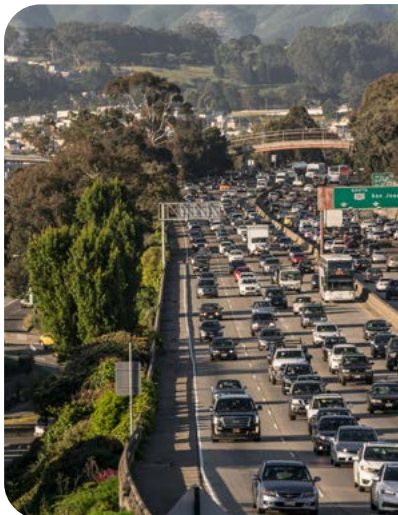
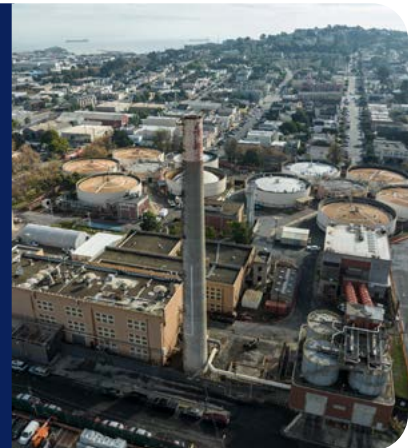


## AIR QUALITY VIOLATION DATA TOOL

In September, we launched a notices of violation data tool on our website that provides searchable information for all violations that our agency has issued within the past five years. Members of the public may now access information pertaining to violations and penalties issued by our inspectors. Violations can be sorted by city, zip code, facility name, and penalty amount and downloaded for ease of review. This tool serves to better inform communities about enforcement activities and streamlines accessibility.

## FIRST-OF-ITS-KIND ENVIRONMENTAL JUSTICE GUIDANCE

We have included an environmental justice chapter – the first of its kind to be published in California – in our recently updated CEQA Guidelines. This chapter recognizes the policy imperative to address long-standing and emerging inequities in the siting, design, and development of potential sources of pollution. In addition to recommendations for mitigating the impacts of pollution, this guidance promotes meaningful participation of community members in all phases of the environmental and land use decision-making process.



## METHODOLOGY AND TOOLS FOR CEQA AIR QUALITY ASSESSMENT

We developed a methodology and modeling tools for assessing air quality and health impacts from exposure to toxic air contaminants and  $PM_{2.5}$  from individual projects. The step-by-step methodology and innovative modeling tools support lead agencies and practitioners in conducting cumulative impact analysis during the CEQA environmental review process, with visualization maps of screening-level cancer risks, chronic hazards, and  $PM_{2.5}$  concentrations from the Bay Area highways and surface streets, freight and passenger rail services, selected railyards, and permitted stationary sources.

# AIR QUALITY

HOW DO WE TRACK AIR QUALITY?



## AIR DISTRICT MONITORING SITES

Our air monitoring network measures concentrations of ground-level pollutants using monitoring methods set by the U.S. Environmental Protection Agency and other state-of-the-art instruments. This data tracks trends in air pollution levels, demonstrates compliance with health-based air quality standards, and informs air quality forecasts, regional and local air quality plans, air quality modeling, and research on the health effects of air pollution. Pollutants measured by the monitoring network include ozone, carbon monoxide, nitrogen oxides, sulfur dioxide, particulate matter, ultrafine particulate matter, lead, black carbon, hydrogen sulfide, and volatile organic compounds, including many toxic air contaminants. We also monitor for ozone precursors and the composition of particles, which improve our understanding of high ozone and particulate matter events.



**31**

total air monitoring sites across the Bay Area

**132**

different pollutants are measured by our monitoring network

“

Our air monitoring network measures ground-level pollutants

# EPA HEALTH STANDARDS FOR PARTICULATE MATTER

We fully supported the EPA's lowering of the National Ambient Air Quality Standards (NAAQS) for particulate matter pollution. The NAAQS are designed to **protect public health to an adequate margin of safety and protect the public against adverse effects.** Exposure to fine particulate matter is an important driver of health risk throughout the Bay Area and is linked to serious respiratory illnesses and increased risk of heart attacks. Exposure is especially harmful for children, the elderly, and those with respiratory conditions.



## EAST OAKLAND COMMUNITY AIR MONITORING PARTNERSHIP

We launched a three-year community air monitoring project in partnership with Communities for a Better Environment (CBE) to characterize local-scale air quality impacts in East Oakland supported by a U.S. EPA American Rescue Plan Enhanced Air Quality Monitoring for Communities Grant. We will work with CBE to design and implement air monitoring to assess the impacts of sources or areas of interest to the community. Air quality data from local pollution sources in overburdened communities and the effectiveness of exposure reduction measures can help inform our programs.

## BAY AIR CENTER LAUNCHES PUBLIC WEBSITE

We sponsored the Bay Air Center as a resource that offers technical guidance, materials, and training on air monitoring and air quality data for community-based organizations, with the goal of supporting their efforts to understand and improve air quality. The website provides detailed information on the program, a way to request support, and an extensive resource library that includes materials developed by the Bay Air Center as well as external links to materials that cover a variety of air-quality-related topics.





## AD HOC COMMITTEE ON INCIDENT RESPONSE PROGRAM IMPROVEMENTS

Our Board of Directors formed an ad hoc committee to strengthen our incident response program through increased coordination with our government and community partners. The committee identified ways to provide information more quickly to the public when an incident occurs, including our methods of response and potential impacts on air quality. The ad hoc committee has also discussed opportunities to fill gaps in monitoring, which will be considered as part of upcoming strategic planning and budget processes.

## LABORATORY

### 2023 Analyses Performed in the Lab\*

Particulate Matter	<b>3,988</b>
Toxics	<b>1,118</b>
Source-Oriented Analyses	<b>41</b>
Interagency and Development Projects	<b>0</b>
<b>Total</b>	<b>5,147</b>

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

## EXCEEDANCES OF AIR QUALITY STANDARDS

### Ozone

Days over National 8-Hour Standard	<b>4*</b>
Days over California 1-Hour Standard	<b>0</b>
Days over California 8-Hour Standard	<b>4*</b>

### Particulate Matter

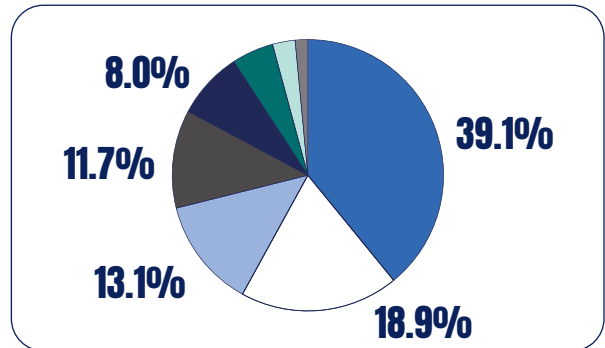
Days over National 24-Hour PM <sub>10</sub> Standard	<b>0*</b>
Days over California 24-Hour PM <sub>10</sub> Standard	<b>0*</b>
Days over National 24-Hour PM <sub>2.5</sub> Standard	<b>3</b>

\*Pending final certification  
Final certification of exceedance data will occur in June 2024.

## BAY AREA POLLUTION SOURCES

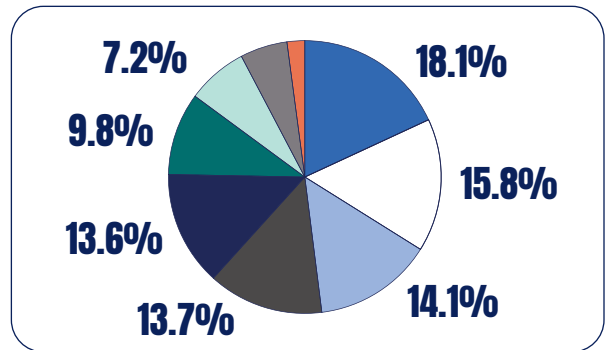
### SOURCES OF GREENHOUSE GAS EMISSIONS <sup>a</sup>

Transportation	39.1%
Industrial - Oil Refineries <sup>b</sup>	18.9%
Electricity/Co-Generation	13.1%
Residential/Commercial Fuel Usage	11.7%
Industrial - Others <sup>c</sup>	8.0%
High Global Warming Potential Gases	5.0%
Recycling and Waste	2.7%
Agriculture/Farming	1.5%
<b>Total</b>	<b>100.0%</b>



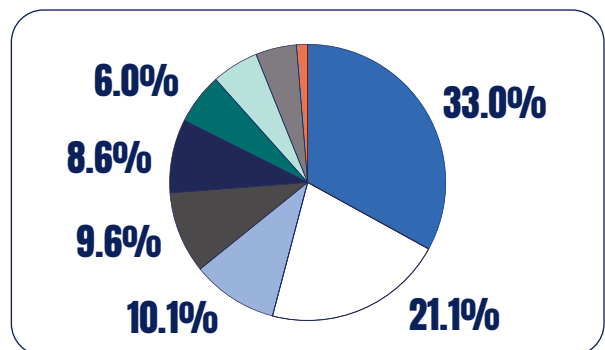
### SOURCES OF ANNUAL FINE PARTICULATE POLLUTION <sup>d</sup>

Residential Wood Burning	18.1%
Stationary Non-Combustion Sources	15.8%
Stationary Combustion Sources	14.1%
Road Dust	13.7%
Mobile On-Road Sources	13.6%
Mobile Off-Road Sources	9.8%
Other Dust <sup>e</sup>	7.2%
Commercial Cooking	5.6%
Accidental & Planned Fires	2.1%
<b>Total</b>	<b>100.0%</b>



### SOURCES OF ANNUAL NITROGEN OXIDE POLLUTION <sup>d</sup>

Mobile Off-Road Sources - Ships	33.0%
Mobile On-Road Sources - Trucks	21.1%
Stationary Combustion Sources	10.1%
Mobile Off-Road Sources - Aircraft	9.6%
Mobile Off-Road Sources - Equipment <sup>f</sup>	8.6%
Mobile Off-Road Sources - Other <sup>g</sup>	6.0%
Mobile On-Road Sources - Other Vehicles <sup>h</sup>	5.5%
Residential Natural Gas Combustion	4.8%
Stationary Non-Combustion Sources	1.3%
<b>Total</b>	<b>100.0%</b>



<sup>a</sup> The Air District's latest greenhouse gas (GHG) emissions estimates can be found here: [baaqmd.gov/capghg](http://baaqmd.gov/capghg). These estimates do not reflect specific emissions changes in 2023 due to the impact of COVID-19 pandemic or wildfires.

<sup>b</sup> This category includes GHG emissions from refining processes and combustion of gas, liquid, and solid fuels at refineries; it does not include GHG emissions generated during cogeneration at refineries, which is included in the Electricity/Co-Generation category.

<sup>c</sup> This category includes GHG emissions from combustion and processes at cement plants, natural gas combustion, combustion of solid and liquid fuels in industries, natural gas distribution fugitive losses (primarily methane), and industrial process emissions.

<sup>d</sup> These percentage estimates are developed based on the Air District's currently available regional inventory data. These estimates do not reflect specific emissions changes in 2023 due to the impact of COVID-19 pandemic or wildfires.

<sup>e</sup> This category includes wind-blown dust from agricultural land and dust from construction operations.

<sup>f</sup> This category includes construction and mining equipment, agricultural equipment, industrial and light commercial equipment, and airport ground support equipment, etc.

<sup>g</sup> This category includes trains, lawn and garden equipment, and other off-road equipment.

<sup>h</sup> This category includes passenger cars, buses, motorcycles, etc.





# COMMUNITY

WHAT COMMUNITY PARTNERSHIPS  
HAVE WE BUILT?

## AB 617 COMMUNITY HEALTH PROTECTION PROGRAM

We continued to work in collaboration with community members and other stakeholders to develop and implement health-protective measures in highly impacted communities as part of statewide AB 617 implementation.



### WEST OAKLAND

In West Oakland, through our AB 617 project that began four years ago, we continued our partnership with West Oakland Environmental Indicators Project (WOEIP) with monthly meetings and implementation teams to support emissions reduction strategies. WOEIP's Health Equity Advisory Committee focused on the public health aspects of hyperlocal emissions reductions and outreach and recruitment efforts to increase West Oakland resident engagement.



### RICHMOND-NORTH RICHMOND-SAN PABLO

We continued to partner with 21 steering committee members that represent Richmond, North Richmond, and San Pablo working to develop and finalize the Community Emission Reduction Plan. The plan remains focused on six priority areas that include mobile, public health, marine and rail, commercial and industrial, fuel refining, and land use and urban greening. Within the last year, an additional subset of strategies has been developed that include compliance and enforcement, penalties, and emissions inventory improvement and reporting.

## EAST OAKLAND

In East Oakland, we collaborated with Communities for a Better Environment and a 26-member steering committee to start a Community Emissions Reduction Plan to address air quality and environmental justice issues. We developed the vision and principles, confirmed the community boundary, completed the emissions inventory, and compiled community knowledge on pollution sources and community assets into a community mapping project of the area.



## BAYVIEW HUNTERS POINT/ SOUTHEAST SAN FRANCISCO

In Bayview Hunters Point/Southeast San Francisco, we worked with community co-leads from the Marie Harrison Community Foundation and Bayview Hunters Point Community Advocates to recruit members to the Community Steering Committee (BVHP CSC) to develop a Community Emissions Reduction Plan. We have held two gatherings with the BVHP CSC members to introduce them to the project and began holding monthly meetings in September.

## JAMES CARY SMITH COMMUNITY GRANT PROGRAM

The grant program funded 33 nonprofits to engage community members in decisions that impact their air quality and health, focusing on neighborhoods most impacted by air pollution. Twenty-two eligible awardees continued on to a second year of capacity-building projects, including bilingual environmental justice academies and interactive youth advocacy campaigns.



## AT A GLANCE

22

James Cary Smith Community Grant awardees continued on to a second year of capacity-building projects

594

home air filtration units and replacement filters were distributed through the Home and School Air Filtration Program

17

community leaders serve on the Community Advisory Council, helping to direct our environmental justice policies



### HOME AND SCHOOL AIR FILTRATION PROGRAM

The program engaged with six partners in the Asthma Mitigation Program, five local health centers, two community-based organizations, and six James Cary Smith Community grantees to distribute 594 home air filtration units and replacement filters to vulnerable populations and communities impacted by air pollution. We installed high-performance air filtration systems in four West Contra Costa Unified District Schools: King Elementary School, Washington Elementary School, Riverside Elementary School, and Dover Elementary School.

## COMMUNITY ADVISORY COUNCIL

The Community Advisory Council (CAC), consisting of 17 members from across the Bay Area, was created in 2021 to advise our leadership on community-related matters, advance an equity-forward policy agenda, and provide input on key policies and programs. In 2023, the CAC recommended, and our Board approved, the CAC's foundational documents: the Community Advisory Council Charter and the Community Advisory Council Compensation Policy and Procedures. The Board also approved the Resolution Establishing a Governance Structure for the Community Advisory Council. The CAC ad hoc committees developed an annual work plan and environmental justice policy goals for integration into our strategic plan. In September, the CAC held its inaugural retreat, an event focused on environmental justice and community action.



## U.S. EPA REGIONAL CLIMATE PLANNING GRANT

We secured a \$1 million grant from the U.S. EPA's Climate Pollution Reduction Grant Program to lead the development of a regional climate action plan that incorporates input from and reflects the priorities of the region's local governments and communities. The plan will highlight priority greenhouse gas (GHG) reduction measures that benefit frontline communities — communities that are marginalized, underserved, and overburdened by pollution. Measures included in the plan will be eligible for nationally competitive \$4.6 billion in implementation funding. We are leading this effort in collaboration with a regional advisory work group, consisting of staff from Bay Area regional agencies and local governments.

**\$1M**

in funding was secured through the U.S. EPA's Climate Protection Grant Program

**71**

residents enrolled in the Bay Area Healthy Homes Initiative

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We launched this initiative to improve health outcomes and climate resilience in overburdened communities.

## BAY AREA HEALTHY HOMES INITIATIVE

In January 2023, we launched this initiative to improve health outcomes and climate resilience in overburdened communities in Contra Costa and Alameda counties. The program brings asthma services and home retrofits to address health triggers, improve energy efficiency, and keep outdoor pollution out of the home through a unique partnership between our agency, the Bay Area Regional Energy Network, county health departments, and a local nonprofit. By the end of 2023, the program had enrolled 71 residents in both multifamily and single-family homes.



# INCENTIVES

HOW DO WE REDUCE EMISSIONS AND PROTECT COMMUNITIES AND THE CLIMATE?



## CLIMATE TECH FINANCE

This year, in partnership with iBank, our Climate Tech Finance program took significant steps in **endorsing sustainable technological advancements**.

We awarded a loan guarantee to **SPARKZ**, whose energy storage solution reduces the cost of domestic lithium battery production by eliminating the cobalt and nickel traditionally used in their manufacturing. The pioneering process developed by SPARKZ not only lowers the cost of lithium-ion batteries, it removes environmental concerns around mining cobalt, and reduces constrictions created by a foreign supply chain. Another loan guarantee was awarded to **EV Life**, a startup whose goal is making electric vehicles (EVs) more accessible by spearheading solutions to eliminate the 'green premium' — the additional cost often associated with eco-friendly options. Their efforts are focused on making electric driving an achievable dream for millions deterred by the hefty initial cost of EVs. The most recent loan guarantee we awarded was to **One Way Trigger**, a company that specializes in pavement preservation techniques as a greener and more cost-effective alternative to traditional road maintenance. This approach not only optimizes taxpayer dollars, but also reduces greenhouse gas emissions, curtails energy demands, and ensures quicker application times.

3

sustainable technological advances were awarded loan guarantees through the Climate Tech Finance Program

1,070

electric vehicle charging stations were funded through the *Charge!* Program

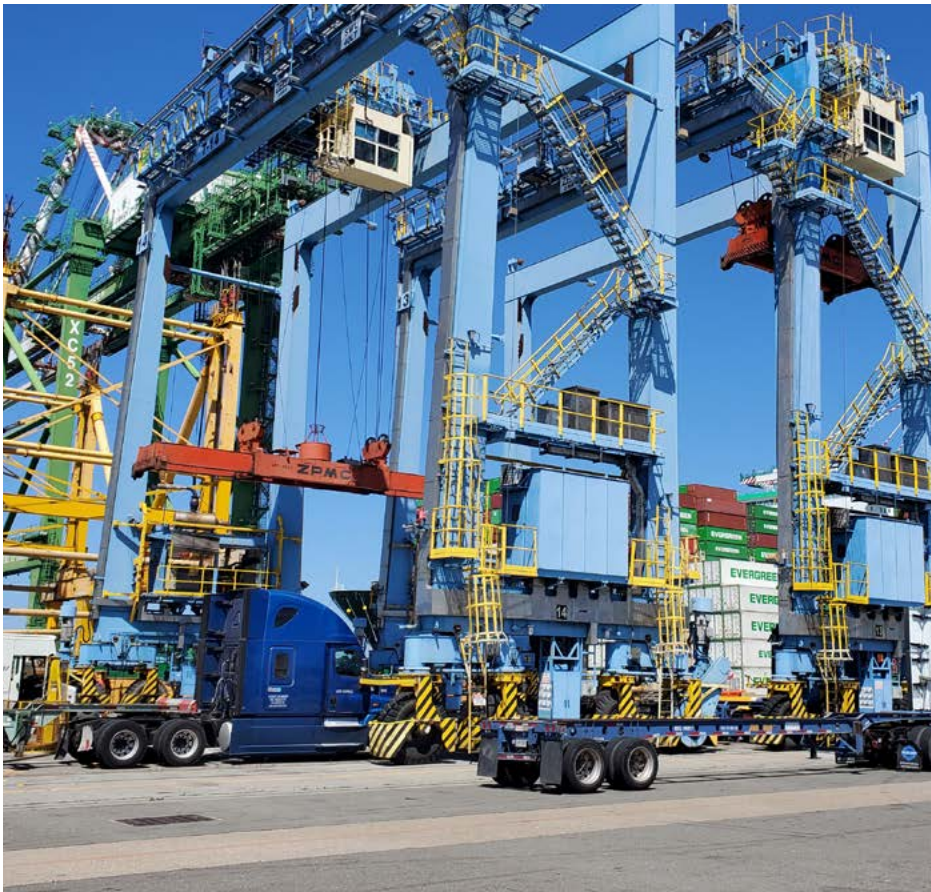
4,400+

residents have participated in the Clean Cars For All Program since it began in March 2019

## SUPPORTING ELECTRIC VEHICLE ADOPTION

We continued our commitment to accelerating electric vehicle adoption in the Bay Area. The **Charge! Program** provided nearly \$10 million in grants to fund 1,070 charging stations at 100 sites across the Bay Area. The **Clean Cars for All (CCFA) Program** helped income-qualified residents replace older vehicles with clean air vehicles or mobility options, such as public transit cards or electric bicycles. CCFA received \$31 million in funding from the California Air Resources Board in 2023, bringing the total program funding to \$73 million. CCFA has awarded nearly \$37 million to over 4,400 residents since the program began in March 2019. The program relaunched in Fall 2023 with increased grant award amounts and will expand zip code eligibility to all Bay Area residents in 2024.

Additionally, we were awarded nearly \$3 million in funding from the California Energy Commission (CEC) to expand equitable EV charging across the Bay Area. We are working with project partners and community stakeholders to deploy over 200 charging stations in Oakland, Richmond, San Pablo, and Vallejo. These chargers will serve multifamily residents, focusing on affordable and public housing residents. The CEC grant, in conjunction with our *Charge!* Program and CCFA Program, will help the Bay Area transition to a clean transportation economy and provide long-term economic, environmental, and health benefits.



## CLEAN PORTS

We prioritized grant funding for the upgrade and replacement of older diesel-powered equipment and marine vessels servicing ports to accelerate emissions reductions in West Oakland and Richmond communities.

# \$30M

in funding was offered for projects to install charging stations for heavy- and medium-duty vehicles and equipment

## HEAVY-DUTY VEHICLE AND EQUIPMENT ELECTRIC CHARGING INFRASTRUCTURE

This competitive grant program offered \$30 million in funding for projects to install electric charging stations for heavy- and medium-duty vehicles and equipment. Installation of charging stations is a critical first step in helping accelerate the transition toward zero-emission fleets that reduce emissions in Bay Area communities most affected by air pollution.

## CLEANER SCHOOL BUSES

We prioritized grant funding to support the accelerated replacement of older, diesel-powered school buses with zero-emission buses to protect student health and achieve significant air quality benefits for this highly sensitive group.

# 40

new school buses were funded through our grant program

# 2023 EMISSION REDUCTIONS FROM AIR DISTRICT INCENTIVE PROJECTS

## OFF-ROAD EQUIPMENT AND INFRASTRUCTURE

<b>Total Funds Awarded</b>	<b>\$7.01M</b>
<b>Estimated Annual Emissions Reduction for the Projects Funded (tons/year)</b>	
Oxides of Nitrogen (NO <sub>x</sub> )	<b>17.2</b>
Reactive Organic Compounds (ROG)	<b>1.9</b>
Particulate Matter (PM <sub>10</sub> )	<b>1.2</b>
<b>Total</b>	<b>20.3</b>

## ON-ROAD VEHICLES AND INFRASTRUCTURE

<b>Total Funds Awarded</b>	<b>\$21.60M</b>
<b>Estimated Annual Emissions Reduction for the Projects Funded (tons/year)</b>	
NO <sub>x</sub>	<b>3.0</b>
ROG	<b>0.3</b>
PM <sub>10</sub>	<b>0.0</b>
<b>Total</b>	<b>3.3</b>

## OTHER PROJECTS (INCLUDING TRIP REDUCTION)

<b>Total Funds Awarded</b>	<b>\$1.91M</b>
<b>Estimated Annual Emissions Reduction for the Projects Funded (tons/year)</b>	
NO <sub>x</sub>	<b>7.2</b>
ROG	<b>8.9</b>
PM <sub>10</sub>	<b>22.6</b>
<b>Total</b>	<b>38.7</b>

## CONGESTION MANAGEMENT AGENCY PROJECTS

<b>Total Funds Awarded</b>	<b>\$12M</b>
<b>Estimated Annual Emissions Reduction for the Projects Funded (tons/year)</b>	
NO <sub>x</sub>	<b>12.7</b>
ROG	<b>15.4</b>
PM <sub>10</sub>	<b>38.1</b>
<b>Total</b>	<b>66.2</b>



# BY THE NUMBERS

HOW DO WE ENFORCE AND IMPROVE AIR QUALITY PROTECTIONS?

## AIR POLLUTION COMPLAINTS

Odor	1,720	45.6%
Wood Smoke	1,220	32.4%
Dust/Particulates	283	7.5%
Other*	164	4.4%
Fire Out/Illegal Outdoor Fires	125	3.3%
Smoke	107	2.8%
Asbestos	96	2.5%
Idling Commercial Vehicles	30	0.8%
Gas Stations	23	0.6%
<b>Total</b>	<b>3,768</b>	<b>100.0%</b>

\*includes flaring, generators, and unpermitted sources

## COMPLIANCE INSPECTIONS

Source Inspections	4,755
Air Pollution Complaints (excludes smoking vehicles)	3,768
Gasoline Dispensing Facility Inspections	965
Asbestos Inspections	2,070
Reportable Compliance Activities	734
Diesel Compliance and Grant Inspections	125
Portable Equipment Registration Program (PERP) Inspections	7
Open Burn Inspections	4
Naturally Occurring Asbestos (NOA) Inspections	549
<b>Total Compliance Inspections</b>	<b>12,977</b>

## PENALTIES AND VIOLATIONS

Penalties	\$3,403,279
Violations Resolved with Penalties	421

## PERMITTING ACTIVITY

<b>Bay Area Permitted Facilities</b>	
Refineries	5
Major Facilities (excludes refineries)	73
Gasoline Dispensing Facilities	2,264
All Other Facilities	8,090
<b>Total Permitted Facilities</b>	<b>10,432</b>
<b>Permitted Devices and Operations</b>	<b>23,325</b>
<b>New Permit Applications</b>	
Major Source Review (Title V)	47
New Source Review (NSR)	907
All Other Applications	42
<b>Total New Permit Applications</b>	<b>996</b>
<b>Application Health Risk Assessments</b>	
Diesel Engines	243
Gasoline Dispensing Facilities	8
Other Commercial/Industrial Facilities	56
<b>Total Health Risk Assessments</b>	<b>307</b>



## SOURCE TEST ACTIVITY

### Number of Source Tests and Reviews in 2023

Refinery Source Tests	<b>12</b>
Compliance Rate	<b>100%</b>
Title V Source Tests (excludes refineries)	<b>19</b>
Compliance Rate	<b>94.7%</b>
Non-Title V Source Tests	<b>13</b>
Compliance Rate	<b>92.3%</b>
Synthetic Minor Source Tests	<b>3</b>
Compliance Rate	<b>66.7%</b>
Gasoline Cargo Tanks	<b>127</b>
Compliance Rate	<b>97.6%</b>
Other Facility Source Tests Reviewed in 2023 (contractors)	<b>338</b>
Compliance Rate (reviewed and approved)	<b>88.8%</b>
Other Facility Source Tests Disapproved or Invalidated in 2023 (contractors)	<b>145</b>
Disapproval Rate (reviewed)	<b>42.9%</b>
Other Facility Source Test Protocols Reviewed in 2023 (contractors)	<b>196</b>
Facility CEMS Excess Emission Reports Reviewed in 2023 (reviewed)	<b>201</b>
Compliance Rate (reviewed)	<b>26.9%</b>
Gasoline Dispensing Facilities (GDF)	<b>92</b>
Compliance Rate	<b>53.3%</b>
Other GDF Source Tests (contractors)	<b>15,714</b>
Compliance Rate	<b>99.7%</b>
<b>Total Source Tests</b>	<b>16,318</b>
<b>Total Violations</b>	<b>134</b>
<b>Compliance Rate</b>	<b>99.2%</b>

## RULEMAKING ACTIVITY

### Rules Adopted or Amended

#### March 15, 2023 - Building Appliance Amendments

Regulation 9: Inorganic Gaseous Pollutants, Rule 4: Nitrogen Oxides from Natural-Gas Fired Furnaces, and Rule 6: Nitrogen Oxides Emissions from Natural Gas-Fired Boilers and Water Heaters

#### June 7, 2023 - Fee Amendments

Regulation 3: Fees

#### December 20, 2023 - Refinery Wastewater Systems Amendments

Regulation 8: Organic Compounds, Rule 8: Wastewater Collection and Separation Systems



# ADVOCACY

HOW ARE WE CHAMPIONING LEGISLATION TO PROTECT AIR QUALITY?

## FROM THE STATE CAPITOL

Statewide 2023 funding that will cover several of our programs:

### AB 617 STATEWIDE FUNDING

**\$60M**

for implementation

**\$234M**

for incentives

**\$6M**

community grants

From this funding, we are expecting to receive:

**\$11M**

for implementation

**~\$33M**

for our incentive programs

**\$80M**

for a suite of statewide equity transportation programs, including, but not limited to, the **Clean Cars For All Program**

**\$310.5M**

for the **Equitable Building Decarbonization Program**

## BILLS WE SPONSORED THAT PASSED

**AB 536**

AB 536 (Wilson) – Repeals the compensation prohibition for the Air District’s Advisory Council and allows members to receive compensation for attending specified meetings.



## WILDFIRE SMOKE RESPONSE

In response to the recent wildfires in Canada affecting much of the East Coast and Midwest, we worked with California legislators at the federal level to reintroduce several smoke-related bills to expand clean air centers, home air filtration, and monitoring. While previous attempts were not successful, the additional regions of the U.S. experiencing wildfire smoke impacts have heightened awareness of this issue beyond the West Coast, which may assist in eventual funding in the federal budget.

## BLUE SKIES BLUE WHALES PROGRAM

In addition to introducing a bill at the state level to expand voluntary vessel speed reduction programs, our staff have worked along with the Santa Barbara County Air Pollution Control District to inform legislators at the federal level of our existing local program, and to solicit greater federal support through a budget appropriation or a bill to provide greater agency support.





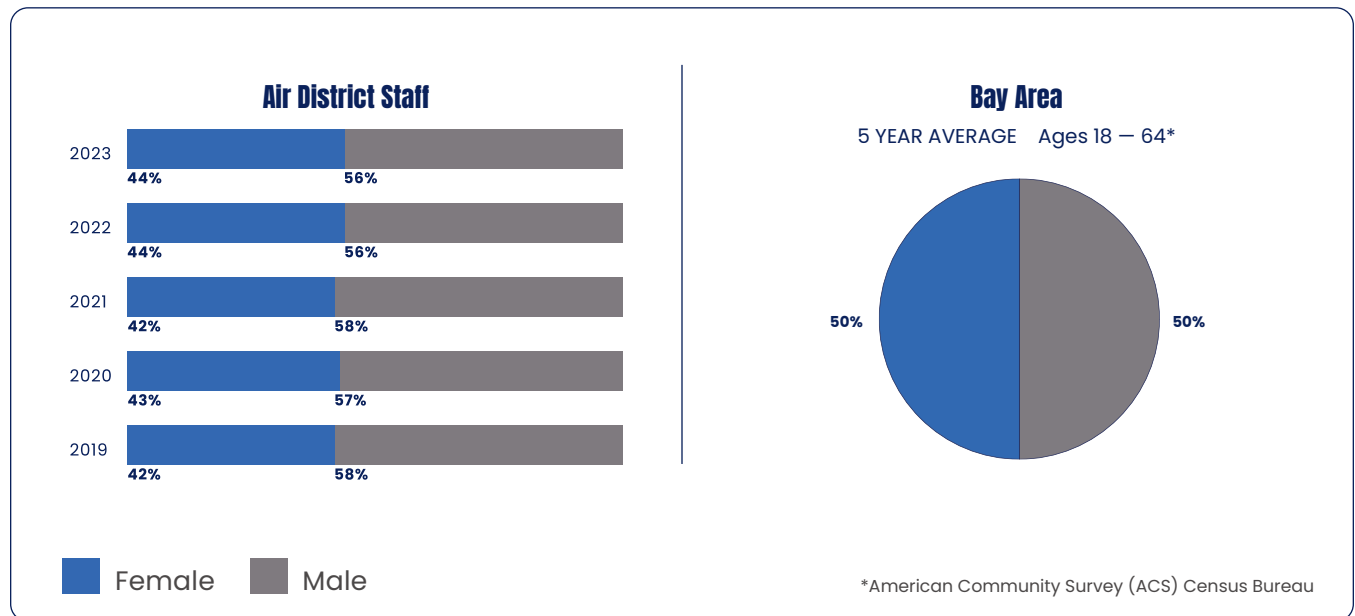
# ABOUT US

WHO ARE WE?

## STRENGTHENING DIVERSITY, EQUITY, AND INCLUSION WITHIN THE AIR DISTRICT

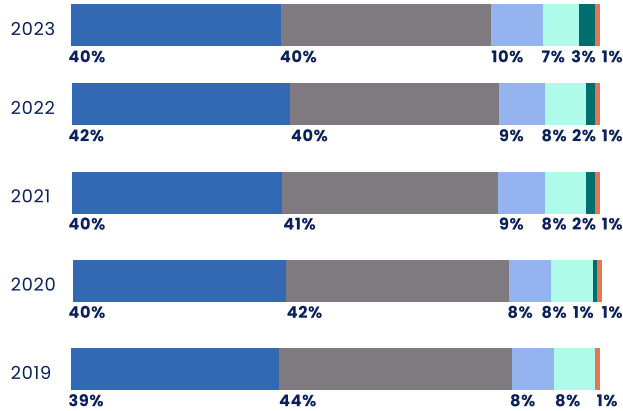
Staff participated in a variety of internal events, activities, and trainings to strengthen DEI principles throughout our work, including events featuring labor leader and civil rights activist Dolores Huerta, Chinese American author Amy Tan, the GLBT Historical Society, and environmental justice professional Bruce Strouble, Ph.D. We created our first formal Anti-Bullying Policy to ensure a workplace free from all forms of violence, intimidation and interpersonal abuse. We updated our Plan for Language Services to Limited English Proficient Populations with the goal of ensuring that all community members are able to meaningfully access our services and programs. Staff also participated in Cultural Competency Training to encourage integration of these values in the planning, implementation, and evaluation of programming.

### DEMOGRAPHICS BY GENDER



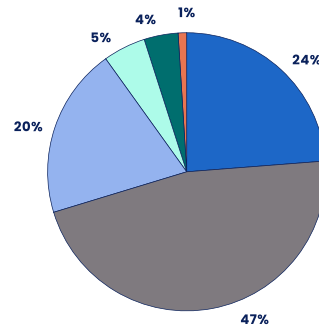
## DEMOGRAPHICS BY RACE AND ETHNICITY\*\*

### Air District Staff



### Bay Area

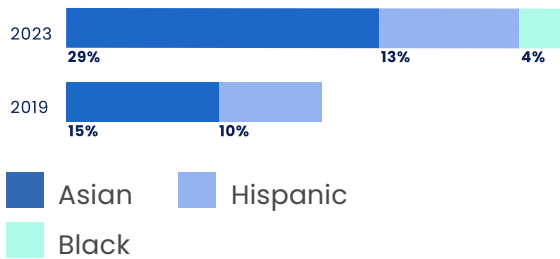
5 YEAR AVERAGE Ages 18 – 64\*



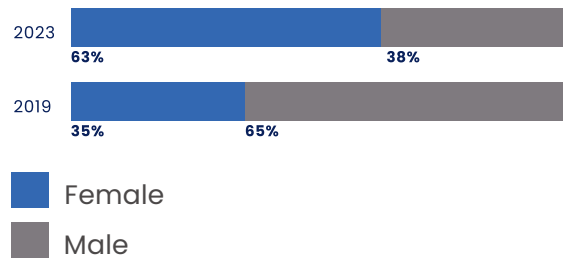
\*American Community Survey (ACS) Census Bureau  
 \*\* Total percentages may vary by 1% due to rounding

## AIR DISTRICT EXECUTIVE MANAGEMENT (DIRECTORS & ABOVE)

### Race and Ethnicity



### Gender



## 2023 AIR DISTRICT FINANCIAL REPORT

### Revenue

Permit-Related Revenue	<b>\$65,252,023</b>
County Property Tax	<b>\$45,219,314</b>
Federal Grants	<b>\$5,071,978</b>
State and Other Grants	<b>\$76,623,547</b>
Other Revenue	<b>\$2,412,989</b>
<b>Total</b>	<b>\$194,579,851</b>

### Expenditures

Personnel	<b>\$95,579,663</b>
Program Distribution	<b>\$55,942,481</b>
Services and Supplies	<b>\$28,895,623</b>
Capital Outlay	<b>\$3,635,922</b>
<b>Total</b>	<b>\$184,053,689</b>

# OUR LEADERSHIP

## EXECUTIVE MANAGEMENT

### PHILIP M. FINE

Executive Officer/Air Pollution Control Officer

### ALEXANDER CROCKETT

General Counsel

### MEREDITH BAUER

Deputy Executive Officer of Engineering and Compliance

### HYACINTH HINOJOSA

Deputy Executive Officer of Finance and Administration

### ARSENIO MATAKA

Deputy Executive Officer of Equity and Community Programs

### GREG NUDD

Deputy Executive Officer of Science and Policy

### VIET TRAN

Deputy Executive Officer of Public Affairs

### JOHN CHILADAKIS

Chief Technology Officer

### VANESSA JOHNSON

Manager, Executive Operations

## DIVISION DIRECTORS AND OFFICERS

### ALAN ABBS

Legislative Officer

### SONG BAI

Assessment, Inventory and Modeling

### LISA BAKER

Human Resources

### RANYEE CHIANG

Meteorology and Measurements

### JUDITH CUTINO

Health Officer

### LISA F. FASANO

External Affairs

### ANTHONY FOURNIER

Technology Implementation

### WENDY GOODFRIEND

Planning and Climate Protection

### JEFFREY GOVE

Compliance and Enforcement

### PAMELA LEONG

Engineering

### MARICELA MARTINEZ

Administrative Resources

### STEPHANIE OSAZE

Finance

### SUMA PEESAPATI

Environmental Justice and Community Engagement

### PATRICIA ROMAN

My Air Online

### KRISTINE ROSELIUS

Communications

### KAREN SCHKOLNICK

Strategic Incentives

### IDANIA ZAMORA

Acting, Rules and Strategic Policy

## CURRENT BOARD MEMBERS

### ALAMEDA

Juan Gonzalez  
David Haubert  
Nate Miley  
Mark Salinas

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### CONTRA COSTA

Ken Carlson  
John Gioia  
Gabe Quinto  
Mark Ross

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### MARIN

Katie Rice

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### NAPA

Joelle Gallagher

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### SAN FRANCISCO

Tyrone Jue (Mayor's Appointee)  
Shamann Walton  
One seat currently vacant

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### SAN MATEO

Noelia Corzo  
Davina Hurt, Chair  
Ray Mueller

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### SANTA CLARA

Margaret Abe-Koga  
Otto Lee  
Sergio Lopez  
Vicki Veenker

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### SOLANO

Erin Hannigan  
Steve Young

---

### SONOMA

Brian Barnacle  
Lynda Hopkins, Vice Chair

## CONTACT INFORMATION

### AIR POLLUTION COMPLAINTS

800.334.ODOR (6367)

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### AIR QUALITY INFO

800.HELP.AIR (435.7247)  
Daily Air Quality Forecasts,  
Spare the Air Alerts,  
Agricultural Burn Days

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### COMPLIANCE ASSISTANCE

415.749.4999

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### ENGINEERING SERVICES

415.749.4990

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### GENERAL BUSINESS

415.749.5000

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### PUBLIC INFORMATION

415.749.4900

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### REPORT SMOKING VEHICLES

800.EXHAUST (394.2878)

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### WOOD BURNING BAN ALERTS

877.4NO.BURN (466.2876)

## SOCIAL + WEBSITES

### Bay Area Air District

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





-  @BayAreaAirDistrict
-  @AirDistrict
-  @BayAreaAirDistrict
-  @BayAreaAirDistrict

Find us on Nextdoor and LinkedIn

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### Spare the Air

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

-  @SpareTheAir
-  @SpareTheAir
-  @SpareTheAir
-  @SpareTheAirBayArea



# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

## BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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*The Bay Area Air Quality Management District does not discriminate on the basis of race, national origin, ethnic group identification, ancestry, religion, age, sex, sexual orientation, gender identity, gender expression, color, genetic information, medical condition, mental or physical disability, or any other attribute or belief protected by law. It is the Air District's policy to provide fair and equal access to the benefits of a program or activity that we administer. The Air District will not tolerate discrimination against any person(s) seeking to participate in, or receive the benefits of, any program or activity offered or conducted by us. Members of the public who believe they or others were unlawfully denied full and equal access to an Air District program or activity may file a discrimination complaint with us under this policy. This non-discrimination policy also applies to other people or entities affiliated with the Air District, including contractors or grantees that we utilize to provide benefits and services to members of the public. Auxiliary aids and services including, for example, qualified interpreters and/or listening devices to individuals who are deaf or hard of hearing, and to other individuals as necessary to ensure effective communication or an equal opportunity to participate fully in the benefits, activities, programs and services will be provided by the Air District in a timely manner and in such a way as to protect the privacy and independence of the individual. Please contact the Non-Discrimination Coordinator identified below at least three days in advance of a meeting so that arrangements can be made accordingly. If you believe discrimination has occurred with respect to one of our programs or activities, you may contact the Non-Discrimination Coordinator identified below or visit our website at [www.baaqmd.gov/accessibility](http://www.baaqmd.gov/accessibility) to learn how and where to file a complaint of discrimination. Questions regarding this policy should be directed to the Air District Non-Discrimination Coordinator, Suma Peesapati, at 415.749.4967 or by email at [speesapati@baaqmd.gov](mailto:speesapati@baaqmd.gov).*



**SCAN TO VIEW  
THE INTERACTIVE  
ANNUAL REPORT** **AT  
ANNUALREPORT.  
BAAQMD.GOV**