

NEW CHALLENGES



A NEW PATH
FORWARD.

2022 ANNUAL REPORT

TRACKING AIR QUALITY

- AIR MONITORING SITES
- ◆ METEOROLOGICAL SITES



31

total air monitoring sites across the Bay Area

13

total meteorological sites across the Bay Area

BAY AREA AIR MONITORING SITES

Our network measures **concentrations of pollutants at ground level** based on monitoring methods set by the U.S. Environmental Protection Agency. This data tracks trends in air pollution levels and **informs regional and local air quality plans, forecasts, and emissions modeling**. Pollutants measured by the monitoring network include ozone, carbon monoxide, nitrogen oxides, sulfur dioxide, particulate matter, lead, black carbon, hydrogen sulfide, and other air toxics.

THOUGHT LEADERSHIP

SECTION 01

EXECUTIVE SUMMARY 2022

As new challenges arise with our changing climate, the Air District's innovative and strategic work to address this most urgent crisis grows. As the interim executive officer of the agency for the majority of 2022, I am continually impressed by staff and leadership's ability to chart new paths forward to address air pollution and climate impacts through partnerships with communities here at home and globally.

Our work with environmental justice communities most impacted by air pollution expanded to East Oakland, with ongoing projects in other AB 617 areas continuing as project implementation and air monitoring plans move forward in West Oakland and Richmond-San Pablo. The **Community Advisory Council** and the **Community Equity, Health, and Justice Committee** advised the Air District's Board of Directors on measures to overcome the legacy of environmental injustice throughout the Bay Area. At the same time, our **Office of Diversity, Equity, and Inclusion** continued to educate our staff and strengthen the agency's culture of inclusion, while ensuring that our external programs support social equity and inclusion broadly across the communities we serve.

Our wide array of programs that reduce climate-warming greenhouse gases expanded through grant programs and rule development and the adoption of a first-in-the-nation regulation for hydrogen production facilities. Our **Climate Tech Finance Program** continued to fund innovative projects that reduce GHGs, while our **Charge! and Clean Cars for All programs** facilitated broader adoption of zero- and low-emission vehicles.

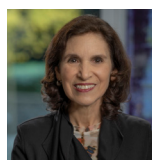
The **Clean Air Centers Program** was launched, establishing more than 300 clean air spaces throughout the Bay Area

in communities most impacted by air pollution, in order to address disparities in access to clean air during wildfire events.

Our staff continued work at the state and federal level to push forward new air quality and climate legislation and participated in workshops to champion funding allocations for the region through the **Inflation Reduction Act**. Staff shared expertise and resources globally at the **COP27 UN climate conference** in Egypt, while learning from strategies employed by communities worldwide.

It has been an honor to serve as the interim executive officer of an agency that continues to do cutting-edge work, charting a new path forward to protect the health of our most vulnerable communities and overcome the shared climate challenges that we all face. We look forward to advancing our work in the coming year under the leadership of Dr. Philip Fine, the new executive officer of the Air District.

Sincerely,



Sharon Landers

SHARON LANDERS

Interim Executive Officer /
Air Pollution Control Officer



SECTION 02 FURTHERING COMMUNITY PROTECTIONS

\$3M

in AB 836 funding established a Bay Area clean air centers network

31

members make up the Richmond-North Richmond-San Pablo Community Steering Committee

\$1M

was allocated for the Home and School Air Filtration Program

26

members make up the East Oakland Community Steering Committee

01 CLEAN AIR FILTRATION PROGRAM

The program aims to provide access to high-efficiency air filtration to help those who are most vulnerable to wildfire smoke and air pollution and improve health equity across the Bay Area. Over the last year, we made significant progress through the following programs in collective response efforts to prepare for wildfire disasters and catastrophic smoke events.

Through partnerships with **county offices of emergency services and American Red Cross** we provided funding of up to \$100,000 to each county to purchase air filtration units to deploy to emergency sheltering, evacuation centers, and indoor congregate facilities such as schools, libraries, and community centers during wildfire smoke events.

Through \$3 million in AB 836 funding, our **Clean Air Centers Program** has established an expansive network of publicly accessible facilities with high-efficiency air filtration systems for residents who may not otherwise have access to clean air during wildfire events.

Through our **Home and School Air Filtration Program** an additional \$1 million was allocated to expand access to high-efficiency air filtration at schools and distribute home air filtration units to residents in AB 617 communities.





02 AB 617 COMMUNITY HEALTH PROTECTION PROGRAM

The Air District 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.

In **West Oakland**, we continued our partnership with West Oakland Environmental Indicators Project through 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.

In **Richmond-North Richmond-San Pablo**, we continued to build a Community Emissions Reduction Plan. The 31-member community steering committee focused on six key areas that address pollution from mobile and marine sources and local facilities, with a special focus on public health and other non-regulatory approaches to reducing local exposures. An air toxics study identified locations with elevated levels of pollution and sources for further investigation or action.

In **East Oakland**, we collaborated with Communities for a Better Environment to form a 26-member steering committee to develop a Community Emissions Reduction Plan to address air quality and environmental justice issues in East Oakland.

San Francisco's **Bayview Hunter's Point** was designated as the next community to expand our AB 617 work in 2023.

03 I-880 CORRIDOR GREEN INFRASTRUCTURE

In collaboration with other agencies and community leaders, we are working on the **San Leandro Creek Urban Greenway and the Brookfield School Vegetative Buffer projects**. The projects will seek to include land bridges to provide green space pedestrian and bicycle access across I-880, linking underserved East Oakland neighborhoods to the waterfront and providing crucial air pollution mitigation technologies.

04 BAY AREA HEALTHY HOMES INITIATIVE

The Bay Area Healthy Homes Initiative is a new \$2 million program seeking to improve health outcomes of high-risk asthma patients and residents living in the areas most impacted by traffic pollution in Contra Costa and Alameda counties. In partnership with Contra Costa Health Services, Alameda County's Asthma Start and StopWaste, and the Association for Energy Affordability, the program seeks to reduce participants' air pollution exposure while making their homes more energy efficient.

“The **Bay Area Healthy Homes Initiative** seeks to reduce participants' air pollution exposure while making their homes more energy efficient.”



05 COMMUNITY ADVISORY COUNCIL

The **Community Advisory Council**, consisting of 17 community 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. Under the leadership of Co-Chairs Ms. Margaret Gordon, John Kevin Jefferson III, and Latasha Washington, three ad hoc committees were formed to develop a plan and vision for the CAC's work, create the structure and rules to guide the CAC, and develop an environmental justice policy for consideration by the Community, Equity, Health and Justice Committee.

06 JAMES CARY SMITH COMMUNITY GRANT PROGRAM

The **James Cary Smith Community Grant Program** funded more than 30 community groups and nonprofits to engage residents in decisions that impact their air quality and health in communities most impacted by air pollution. Awardees will design and implement strategies to improve local air quality through environmental justice academies for youth and multilingual air quality ambassador programs.

07 BLOCK-BY-BLOCK ESTIMATES OF POLLUTANTS

Aclima released results of an Air District-funded project to estimate annual average levels of air pollutants on all publicly accessible streets throughout the nine-county Bay Area on their air.health website, which allows residents to see this data for certain pollutants on their block.

08 SOUTH BAY ODOR STUDY

We completed gathering data for a study to determine the contribution and variability of odors from a cluster of waste-handling facilities near Milpitas, Santa Clara, and San Jose. The results of the study will inform future actions to reduce odors.

30+

community groups and nonprofits were funded by the James Cary Smith Community Grant Program

85

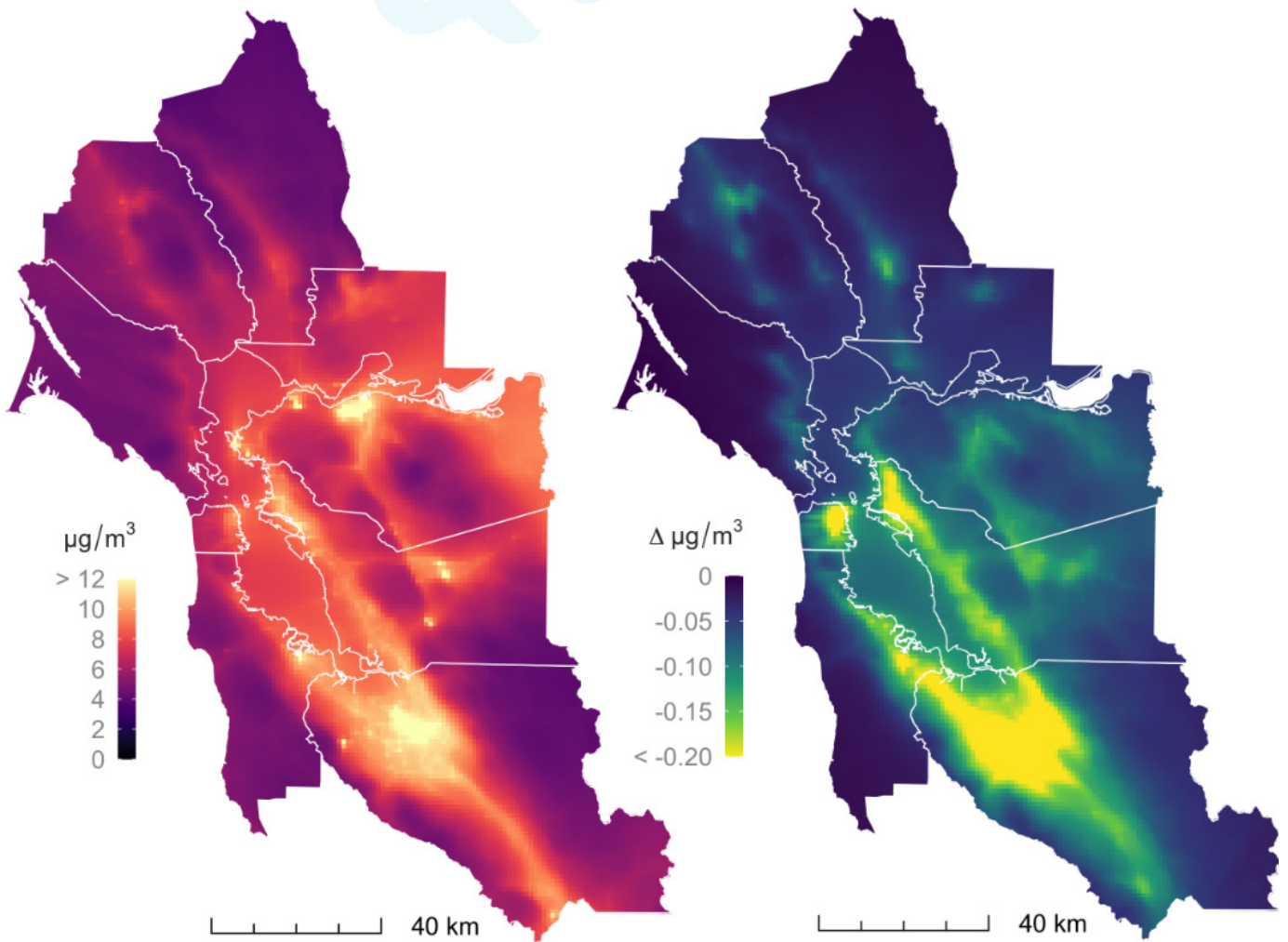
premature deaths per year could be avoided by switching natural gas appliances to electric





09 MODELING OUTDOOR AIR QUALITY IMPACTS FROM NATURAL GAS APPLIANCES

We conducted an evaluation of the health benefits of eliminating combustion emissions from Bay Area natural gas-fired residential and commercial space and water heating appliances. Converting these appliances from natural gas to electric would reduce regional levels of fine particulate matter and could prevent up to about 85 premature deaths per year.



Model-estimated, annual-average outdoor concentrations of fine particulate matter in 2018 from all sources.

Reduction in fine particulate matter if emissions were eliminated from Bay Area natural gas-fueled commercial and residential space and water heaters.



10 ENHANCED HEALTH PROTECTIONS IN PERMITTING

In July 2022, we implemented enhanced health protections for permits under **Regulation 2, Rules 1 and 5**, which include a more stringent cancer risk limit and public noticing requirements for projects located in overburdened communities. In addition, we incorporated updated health risk assessment guidelines for gas stations that include consideration of children’s health and acute health risks, as well as including four new toxic air contaminants, updated health effects values for four other compounds, and reduced acute health risk assessment trigger levels.

11 ELIMINATION OF POLLUTANT FROM DRY CLEANERS

We successfully eliminated the use of **perchloroethylene solvent** from all Bay Area dry cleaners as of August 2022. In the early 1990’s, we identified high cancer risk levels for neighbors of dry cleaning facilities that used perchloroethylene as a cleaning solvent. Along with the State of California, we took aggressive measures to immediately reduce these health risks and to phase out use of this solvent throughout the region and the state.

“We took aggressive measures to immediately **reduce these health risks** and to phase out use of this solvent throughout the region and the state.”





DID YOU KNOW?

BUILDING DIVERSITY, EQUITY, AND INCLUSION WITHIN THE AIR DISTRICT

We work to foster an inclusive culture and view diversity as part of our strength. The **Office of Diversity, Equity, and Inclusion** partnered with the **Community Equity, Health, and Justice Committee** to provide local and regional community environmental justice advocates a platform to present and share their expertise and lived experiences at the committee's monthly meetings.

Our staff participated in a variety of related internal events, activities, and trainings, including:

“The Office of DEI provides **local and regional environmental justice advocates** a platform to share their expertise and lived experiences.”

Black Expo 2022, a cultural celebration featuring local vendors showcasing their products and services

“Navigating within the Modern Workplace” women’s seminar

Conversation on Food, Culture, and Environmental Justice through an Asian and Pacific Islander lens

“Pronouns: What’s in a Name?” session during LGBTQ+ Pride Month

A local small business presentation during Latin American Heritage Month

A discussion regarding National Disability Employment Awareness Month and the 2022 theme, Disability: Part of the Equity Equation

21-Day Native American Heritage Month Equity Building Challenge



SECTION 03

ADVANCING CLIMATE SOLUTIONS

2,300

metric tons of methane emissions per year reduced by Rule 13-5

\$20.7M

in loans to date through Climate Tech Finance Program

~\$5M

funding provided by the Charge! Program for 257 public chargers

\$28.8M

awarded by CCFA to over 3,440 eligible residents since 2019

01 CLIMATE PROTECTION GRANTS: RESILIENT SOLAR FOR CRITICAL FACILITIES

We provided funding to **East Bay Community Energy** to examine the combined use of solar photovoltaic generation with battery storage to provide resilient power at city-owned facilities in times of grid outage and emergencies in Alameda and San Mateo counties. This project reduces the burden and costs to deploy solar PV and battery storage systems and can be used as a model for other jurisdictions.

02 CLIMATE TECH FINANCE PROGRAM

In September 2022, this Bay Area program expanded to a statewide initiative, allowing small businesses across California to gain access to our impact evaluation and IBank’s loan guarantee to help secure financing for climate projects. **King Solarman’s** off-grid lights and generators provide solar-powered security monitoring through sound and video footage that is stored on the cloud and can be monitored in real time. **Zevvy** offers short-term, pay-per-mile electric vehicle consumer leases, helping drivers understand the advantages of switching to EVs while facilitating financing based on drivers’ needs.



“The **Climate Tech Finance Program** has supported \$20.7 million in loans to date, which are projected to reduce 2.5 million metric tons of CO₂e.”



03 RULE 13-5 TO ADDRESS CLIMATE POLLUTANTS

We adopted **Regulation 13: Climate Pollutants, Rule 5: Industrial Hydrogen Plants** to limit vented emissions of total organic compounds, including methane and other hydrocarbons, from hydrogen production systems at local refineries in the Bay Area. The rule is expected to reduce methane emissions by nearly 2,300 metric tons per year — a 90 percent reduction in GHGs from hydrogen production facilities.

04 INCREASING ACCESS TO ELECTRIC VEHICLES

We are committed to accelerating electric vehicle adoption in low-income communities and those disproportionately burdened by pollution. The **Charge! Program** provided nearly \$5 million in grants for 257 publicly available charging stations, while the **Clean Cars for All Program** helped income-qualified residents replace older vehicles with clean air vehicles or mobility options, such as public transit passes or e-bikes.

CCFA has awarded over \$28.8 million to over 3,440 eligible residents since the program began in March 2019. The state provided \$15 million in funding for 2022 and \$26 million for 2023 to continue the program.

We were awarded nearly \$3 million in funding from the California Energy Commission for the deployment of over 200 charging stations in Oakland, Richmond, San Pablo, and Vallejo with a focus on affordable and public housing residents.

“The **Charge! Program** provided nearly **\$5 million** in grants for **257** publicly available charging stations.”





05 PROTECTING BLUE WHALES AND BLUE SKIES PROGRAM

The program is a voluntary Vessel Speed Reduction Program along the coast of California which incentivizes companies to incorporate sustainable shipping practices across their global supply chain. The 2022 season marked the highest participation rate in the program’s nine-year history, with 24 of the biggest global shipping companies agreeing to operate their vessels at speeds of 10 knots or less within designated zones. The year 2022 also saw an expansion of the Northern California zone to cover more of the waters off the Bay Area coastline.

06 NEW CEQA THRESHOLDS FOR CLIMATE IMPACTS

In April, we adopted staff-recommended **California Environmental Quality Act Thresholds of Significance for Evaluating Climate Impacts from Land Use Projects and Plans**. These CEQA thresholds are used to determine whether a proposed development project will have a significant impact on climate change, helping the Bay Area make meaningful progress toward reducing GHGs and establishing consistency with the state’s climate targets.

90%

reduction of GHGs from hydrogen production facilities

24

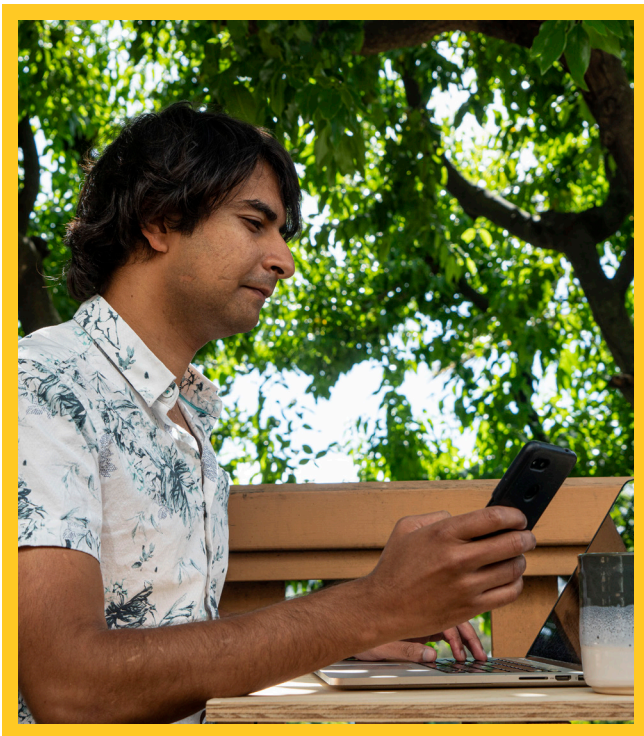
global shipping companies participated in the Vessel Speed Reduction Program

1.7M

employees were registered as part of the Commuter Benefits Program

57

employers provided a telework option



07 ALTERNATIVE FUELS PROJECTS

We issued Authorities to Construct for two alternative fuels projects at **Marathon** and **Phillips 66** refineries to assist California in meeting its GHG reduction goals and transitioning to carbon neutrality by 2045.

08 COMMUTER BENEFITS PROGRAM

Employers with 50 or more full-time employees were reminded in 2022 to renew their registration for the program, which helps employees easing back into the office find alternatives to driving alone to work. With telework added to the program, employers have more tools available to improve their employees’ commutes through the commuter benefits package.

EMISSION REDUCTION GRANTS HIGHLIGHTS

Vehicle Buy Back Program

Program now accepting model year 1998 and older vehicles.

1,150

older polluting vehicles removed from Bay Area roads

\$1.4M

awarded through Vehicle Buy Back Program



Electric School Buses

twenty-two

electric school buses funded

\$8.3M

for buses and chargers in Alameda, Santa Clara, San Mateo, and Sonoma counties





BEYOND BORDERS

SECTION 04

ENGAGEMENT: STATE, NATIONAL, AND INTERNATIONAL

~\$44M

in 2023 state funding for AB 617 programs

~\$50M

in 2023 state funding for Carl Moyer and AB 923 incentive programs

31

representatives from the Air District were present at the A&WMA Annual Conference

5

representatives from the Air District were present at the COP27 UN Climate Summit

01 OUR WORK AT THE STATE CAPITOL

The 2022 legislative session returned to normal after prior COVID restrictions, with a large number of bills being considered.

Statewide 2023 funding that will cover several of our programs:

- \$60M through the Greenhouse Gas Reduction Fund and General Fund for AB 617 implementation; \$240M for AB 617 incentives. We are expecting to receive \$9M for implementation and ~\$35M for our incentive programs.
- \$381M for Clean Cars For All Program and Clean School Bus Program.
- \$110M for “resilience centers,” including Clean Air Centers.
- \$60M for commercial harbor craft engine retrofits.
- \$112M for residential decarbonization programs.

Bills we sponsored that passed:

- AB 2836 (E. Garcia) - Reauthorizes Carl Moyer Memorial Air Quality Incentive Program, AB 923 Incentive Program, and motor vehicle fees that support them. We received ~\$50M in funding from these programs.
- AB 2721 (Lee) - Changed meeting and travel reimbursement and compensation rates for Board member

attendance at our meetings. Allowed for development of an active transportation policy for Board members.

Bills we sponsored that did not advance:

- AB 2214 (C. Garcia) – Requires private schools and some charter schools to adhere to public school notification requirements during the CEQA process prior to new construction.
- AB 1897 (Wicks) – Changes penalty provisions for air quality violations by refineries under certain conditions.

“Our staff will participate in upcoming workshops on funding allocation and determination of project eligibility with the **goal of maximizing lasting benefits for Bay Area communities.**”

02 INFLATION REDUCTION ACT

The **Inflation Reduction Act** is the most significant legislation in U.S. history to tackle the climate crisis and strengthen energy security. The savings, jobs, and other benefits provided by this legislation will reach communities across California, and include significant funding for clean heavy-duty vehicles, port infrastructure, clean energy project financing, pollution reduction grants, and environmental justice block grants. Our staff will participate in upcoming workshops on funding allocation and determination of project eligibility with the goal of maximizing lasting benefits for Bay Area communities.

03 WILDFIRE SMOKE RESPONSE

While our federal proposal for wildfire response was not included in the final IRA package, we continue to advocate for programs that **expand clean air center networks and home air filtration** in our most vulnerable communities. To that end, we are continuing to support proposals from House and Senate members that we hope will be part of 2023 federal budget or legislation.

04 AIR AND WASTE MANAGEMENT ASSOCIATION'S CONFERENCE

We had a significant presence at the **115th A&WMA Annual Conference** in July 2022 with 31 representatives, including board members, leadership, staff, and interns participating or speaking at the event.



05 LAWSUIT AGAINST USPS POLLUTING VEHICLES

We joined the **State of California's lawsuit against the United States Postal Service** to stop the agency from replacing 90 percent of its delivery fleet with fossil-fuel-powered vehicles. The lawsuit asserts that the Postal Service was obligated to follow a process mandated by the National Environmental Policy Act, but failed to do so. The current USPS fleet plan, if implemented, would lock in decades of air pollution and GHG emissions.

“We learned about **innovative technologies** being deployed and **policies being enacted** around the world.”

06 COP27 UN CLIMATE SUMMIT

We sent two Board members and three staff members to participate in the **COP27 UN Convention on Climate Change** in Sharm El Sheikh, Egypt. COP27 provided a unique and diverse experience for our members to participate in some of the important and consequential discussions surrounding climate change on the global stage. Through our participation, we learned about innovative technologies being deployed and policies being enacted around the world that can be replicated in the Bay Area. We also shared agency knowledge, successes, and strategies that have helped mitigate climate change at the local level.

DATA DRIVEN

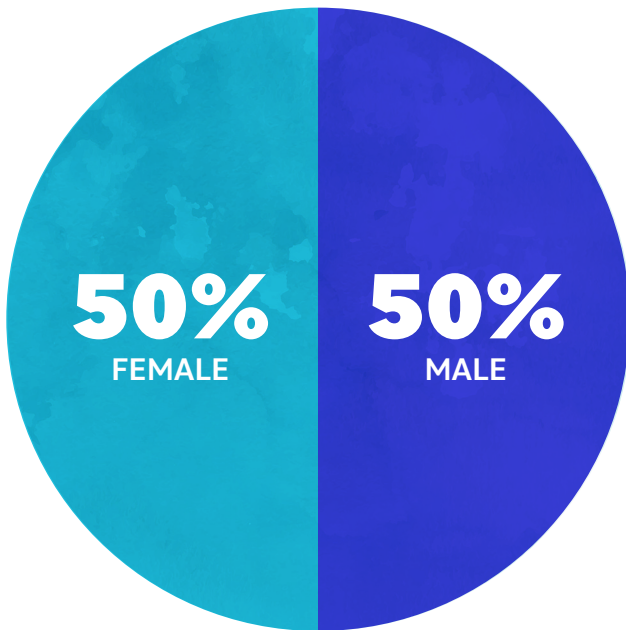
SECTION 05 BY THE NUMBERS

01 DEMOGRAPHICS BY GENDER

BAY AREA

5 YEAR AVERAGE

Ages 18 — 64*

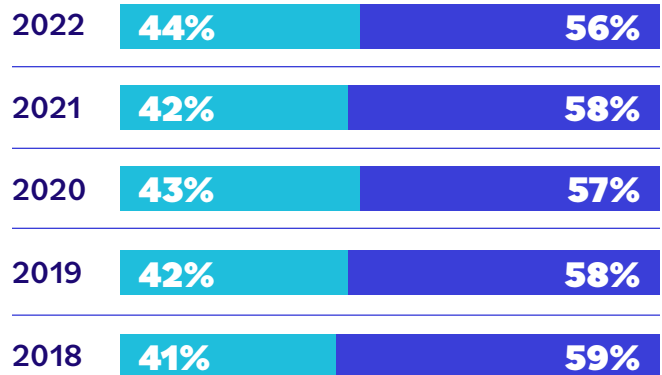


■ MALE
■ FEMALE

*American Community Survey (ACS) Census Bureau



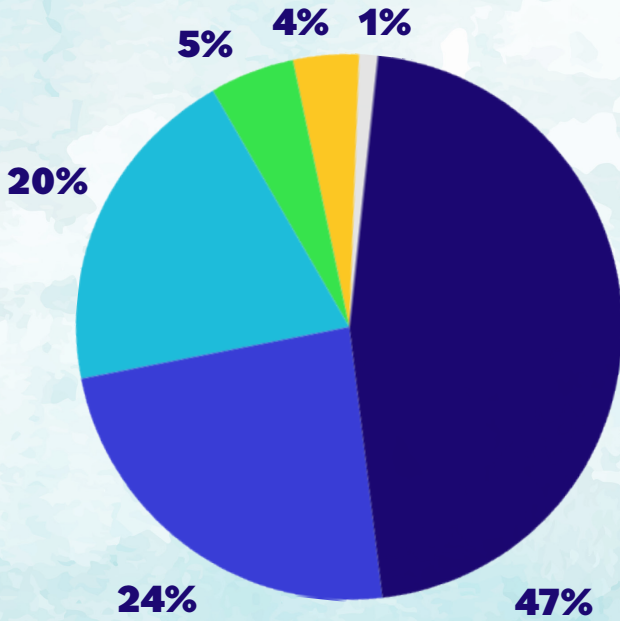
AIR DISTRICT STAFF



BAY AREA

5 YEAR AVERAGE

Ages 18 — 64*



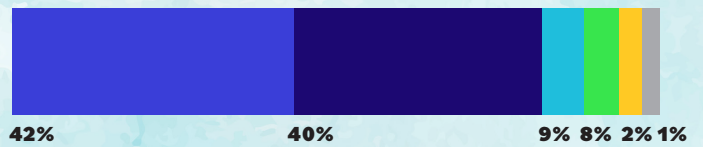
- WHITE
- HISPANIC
- ASIAN
- BLACK
- OTHER/UNKNOWN
- AMERICAN INDIAN/ALASKAN NATIVE

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

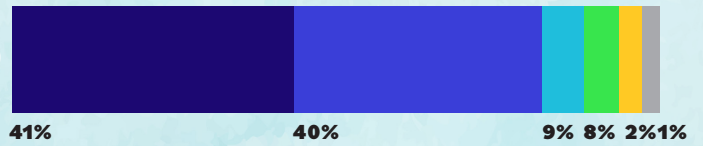


AIR DISTRICT STAFF

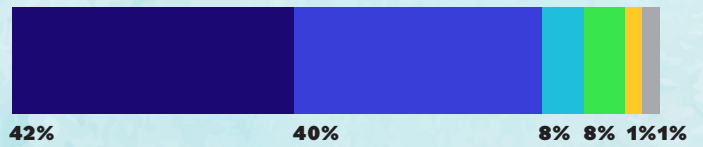
2022



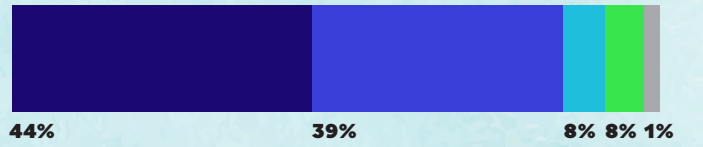
2021



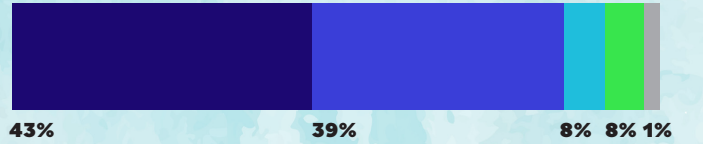
2020



2019



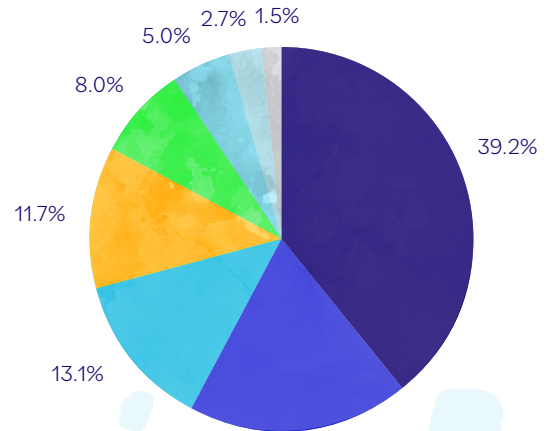
2018



BAY AREA POLLUTION SOURCES

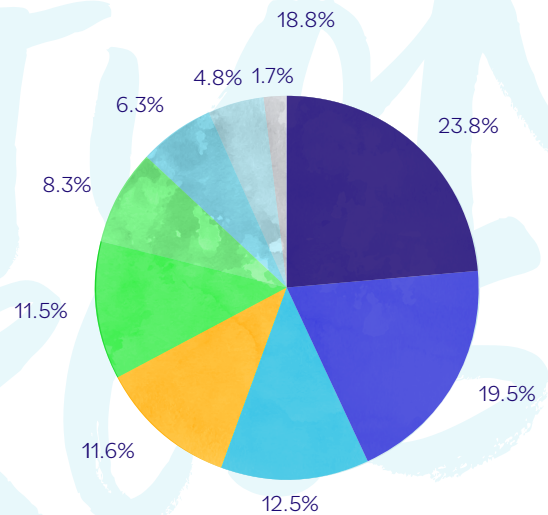
03 SOURCES OF GREENHOUSE GAS EMISSIONS^a

Transportation	39.2%
Industrial - Oil Refineries ^b	18.8%
Electricity/Co-Generation	13.1%
Residential/Commercial Fuel Usage	11.7%
Industrial - Others ^c	8.0%
High Global Warming Potential Gases	5.0%
Recycling and Waste	2.7%
Agriculture/Farming	1.5%



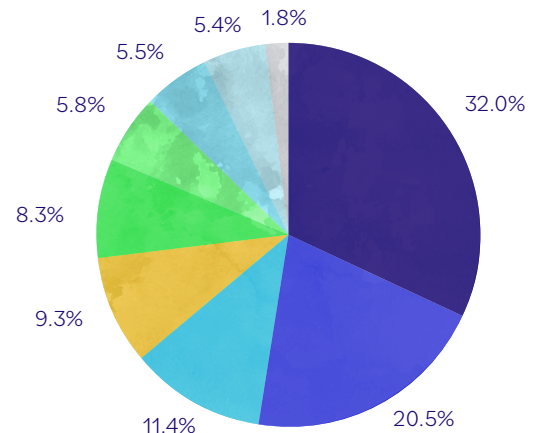
04 SOURCES OF ANNUAL FINE PARTICULATE MATTER EMISSIONS^d

Residential Wood Burning	23.8%
Stationary Non-Combustion Sources	19.5%
Stationary Combustion Sources	12.5%
Road Dust	11.6%
Mobile On-Road Sources	11.5%
Mobile Off-Road Sources	8.3%
Other Dust ^e	6.3%
Commercial Cooking	4.8%
Accidental & Planned Fires	1.7%



05 SOURCES OF ANNUAL NITROGEN OXIDE EMISSIONS^d

Mobile Off-Road Sources - Ships	32.0%
Mobile On-Road Sources - Trucks	20.5%
Stationary Combustion Sources	11.4%
Mobile Off-Road Sources - Aircraft	9.3%
Mobile Off-Road Sources - Equipment	8.3%
Mobile Off-Road Sources - Other ^f	5.8%
Residential Natural Gas Combustion	5.5%
Mobile On-Road Sources - Other Vehicles ^g	5.4%
Stationary Non-Combustion Sources	1.8%



a) The Air District's latest greenhouse gas (GHG) emissions estimates can be found here: baaqmd.gov/capghg. These estimates do not reflect specific emissions changes in year 2022 due to the impact of COVID-19 pandemic or wildfires.

b) 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.

c) 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.

d) These percentage estimates are developed based on the Air District's currently available base year inventory data. These estimates do not reflect specific emissions changes in year 2022 due to the impact of COVID-19 pandemic or wildfires.

e) This category includes wind-blown dust from agricultural land and dust from construction operations.

f) This category includes trains, lawn and garden equipment, and other off-road equipment.

g) This category includes passenger cars, buses, motorcycles, etc.

06

2022 AIR DISTRICT FINANCIAL REPORT

REVENUE

Permit-Related Revenue	\$61,966,070
County Property Tax	\$41,502,972
Federal Grants	\$4,815,133
State and Other Grants	\$ 67,172,802
Other Revenues	\$1,180,681
Total	\$176,637,658

EXPENDITURES

Personnel	\$83,957,655
Program Distribution	\$45,462,067
Services & Supplies	\$31,309,056
Capital Outlay	\$3,367,282
Total	\$164,096,060

07

AIR POLLUTION COMPLAINTS

Odor	2,165	49.0%
Wood Smoke	1,434	32.5%
Dust	260	5.9%
Smoke	174	3.9%
Asbestos	119	2.7%
Outdoor Fires	115	2.6%
Other*	95	2.1%
Gas Stations	29	0.7%
Idling Commercial Vehicles	28	0.6%
Total	4,419	100.0%

* Includes commercial idling, flaring, gas stations, and unpermitted sources



PERMITTING ACTIVITY

BAY AREA PERMITTED FACILITIES

Refineries	5
Major Facilities (excludes refineries)	74
Gasoline Dispensing Facilities	2,257
All Other Facilities	7,902

Total Permitted Facilities	10,238
Permitted Devices and Operations	25,873

NEW PERMIT APPLICATIONS

Major Source Review (Title V)	50
New Source Review (NSR)	943
All other applications	30

Total New Permit Applications	1,023
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APPLICATION HEALTH RISK ASSESSMENTS

Diesel Engines	253
Gasoline Dispensing Facilities	5
Other Commercial/Industrial Facilities	71
Hydrogen Sulfide Modeling	4

Total Health Risk Assessments	333
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FACILITY HEALTH RISK ASSESSMENTS

Preliminary	1
Draft	0
Final	0

Total Facility Health Risk Assessments	1
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RULEMAKING ACTIVITY

RULES ADOPTED OR AMENDED IN 2022

May 4, 2022
Regulation 13: Climate Pollutants, Rule 5:
Industrial Hydrogen Plants

COMPLIANCE AND ENFORCEMENT ACTIVITY

COMPLIANCE INSPECTIONS

Source Inspections	4,755
Air Pollution Complaints (excludes smoking vehicles)	4,419
Gasoline Dispensing Facility Inspections	1,263
Asbestos Inspections	1,936
Reportable Compliance Activities	917
Diesel Compliance and Grant Inspections	299
PERP Inspections	49
Open Burn Inspections	52
NOA Inspections	741

Total Compliance Inspections	14,431
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CIVIL PENALTIES AND VIOLATIONS

Civil Penalties	\$1,773,825
Violations Resolved with Penalties	519

LABORATORY

2022 ANALYSES PERFORMED IN THE LAB*

Particulate Matter	4,368
Toxics	1,321
Source-Oriented Analyses	17
Interagency and Development Projects	0

Total	5,706
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*Samples provide information about pollutant levels in ambient air, which helps to identify areas for further reductions.



SOURCE TEST ACTIVITY

NUMBER OF SOURCE TESTS IN 2022

Refinery Source Tests	2
Compliance Rate	100%
Title V Source Tests (excludes refineries)	5
Compliance Rate	100%
Non-Title V Source Tests	26
Compliance Rate	80.8%
Synthetic Minor Source Tests	4
Compliance Rate	75.0%
Gasoline Cargo Tanks	39
Compliance Rate	100%
Other Facility Source Tests Reviewed (contractors)	437
Compliance Rate	83.1%
Gasoline Dispensing Facilities (GDF)	78
Compliance Rate	44.9%
Other GDF Source Tests (contractors)	16,959
Compliance Rate	99.2%

Total Source Tests	17,550
Total Violations	264
Compliance Rate	98.5%

EXCEEDANCES OF AIR QUALITY STANDARDS

OZONE

Days over National 8-Hour Standard	- 5
Days over California 1-Hour Standard	- 3
Days over California 8-Hour Standard	- 6

PARTICULATE MATTER

Days over National 24-Hour PM _{2.5} Standard	- 3
Days over National 24-Hour PM ₁₀ Standard	- 0*
Days over California 24-Hour PM ₁₀ Standard	- 0*

*Final certification of exceedance data will occur May 1, 2023.
* Pending final certification*

519

*violations resolved
with penalties*

5,706

*analyses performed
in our lab*

OFF-ROAD EQUIPMENT AND INFRASTRUCTURE

TOTAL FUNDS AWARDED **\$17.4M**

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

Oxides of Nitrogen (NO_x) **98.5**
 Reactive Organic Compounds (ROG) **7.6**
 Particulate Matter (PM₁₀) **3.5**

Total 109.6

ON-ROAD VEHICLES AND INFRASTRUCTURE

TOTAL FUNDS AWARDED **\$19.5M**

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

NO_x **28.7**
 ROG **16.8**
 PM₁₀ **0.1**

Total 45.6

OTHER PROJECTS (INCLUDING TRIP REDUCTION)

TOTAL FUNDS AWARDED **\$3M**

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

NO_x **4.7**
 ROG **5.9**
 PM₁₀ **14.8**

Total 25.4

CONGESTION MANAGEMENT AGENCY PROJECTS

TOTAL FUNDS AWARDED **\$10.5M**

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

NO_x **18.1**
 ROG **18.3**
 PM₁₀ **48.7**

Total 85.1





EXECUTIVE MANAGEMENT

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GREG NUDD

Deputy Air Pollution Control Officer

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VANESSA JOHNSON

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BLAIR ADAMS

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RANYEE CHIANG

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Rules and Strategic Policy

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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)

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