

LETTER FROM THE EXECUTIVE OFFICER



2017 was a year of progress in the face of adversity. From new obstacles to environmental protections at the federal level, changes at the state level and increasing effects of our changing climate, the Bay Area Air District forged ahead with our innovative vision for a sustainable future. We passed the most health-protective toxics regulation in the nation, Rule 11-18, and launched the ***Spare the Air, Cool the Climate*** Clean Air Plan for a 2050 post-carbon Bay Area.

The Air District played a key role supporting the region with important health advisories during the North Bay wildfires. We supported first responders with weather and smoke information, supported Sonoma and Napa counties with health advisories and delivered 40,000 N95 masks for residents suffering in those counties. As the effects of our changing climate become more pronounced, the Air District is stepping up its efforts to protect public health through its wildfire response efforts.

Our new Technology Implementation Office will serve as a catalyst for innovative technologies in the field of GHG emission reductions. Through our climate protection grants which will launch next year, we look forward to partnering with local communities and public agencies with incentives for a post-carbon future.

California has always been on the cutting edge of environmental protection. The Bay Area Air District is proud to follow in that tradition through its determination and vision of a clean air future.

A handwritten signature in black ink that reads "Jack P. Broadbent".

Jack P. Broadbent
Executive Officer
Air Pollution Control Officer



37.7749° N,
122.4194° W





40,000

N-95 particulate masks
distributed in North
Bay Communities

- During the tragic **North Bay wildfires** in Napa and Sonoma counties, the Air District played a critical role providing smoke-related health advisories through the media and social media, responding to thousands of questions from the public, distributing 40,000 N-95 particulate masks in North Bay communities, and deploying temporary air monitors in Napa and Sonoma counties to provide localized air quality data. In light of the increasing severity and frequency of wildfire incidents due to our changing climate, the Air District is working on **improvements to its response plans** for the coming year, including grants for **clean energy and sustainable housing solutions** for those rebuilding in the communities affected by the wildfires.

37.7749° N,
122.4194° W

Throughout 2017, the Air District worked in close collaboration with the environmental justice community on **Regulation 12, Rule 16: Petroleum Refining Facility-Wide Emissions Limits**. The Air District was unable to find a solution to make the rule both health protective and enforceable in large part due to changes in the Air District's regulatory power over GHG emissions mandated by the recently-adopted state Assembly Bill 398.

In 2018, the Air District will launch an exciting **Climate Protection Grant Program** to help further the vision of *Spare the Air, Cool the Climate* by providing public agency grants to lower greenhouse gases

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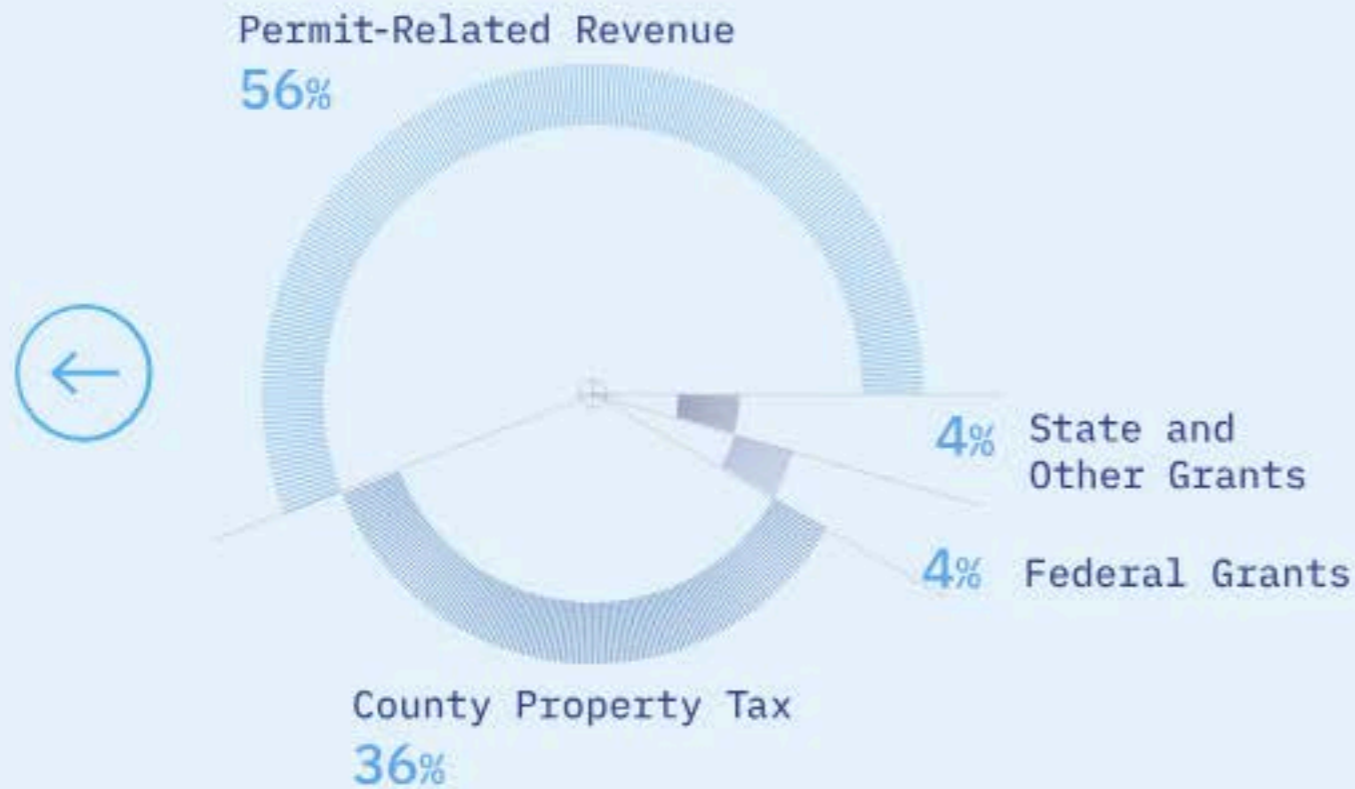
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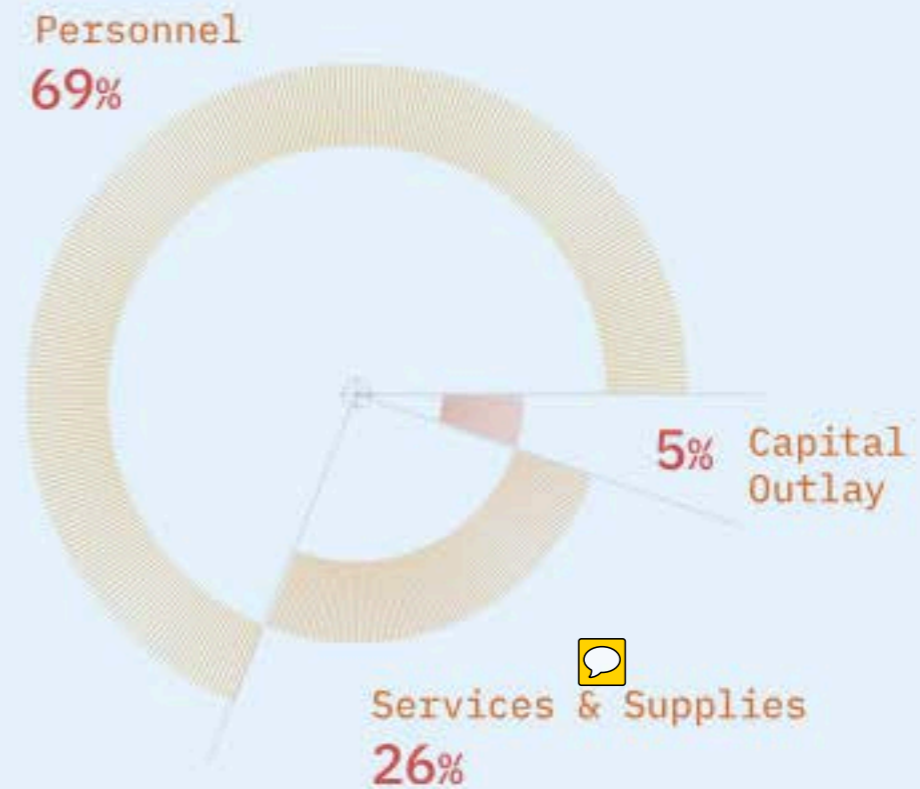
[SOURCES OF BAY AREA POLLUTION]

The largest source of greenhouse gas (GHG) emissions and ozone pollution in the Bay Area is traffic. During the winter months, shifting weather patterns and colder temperatures cause wood smoke to become the largest source of air pollution.

2017 REVENUE



2017 EXPENDITURE



[SOURCES OF BAY AREA POLLUTION]

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RULEMAKING ACTIVITY

2017 RULES ADOPTED OR AMENDED

JUNE 21, 2017
Regulation 3: Fees – amendments adopted

NOVEMBER 15, 2017
Regulation 11, Rule 18: Reduction of Risk from Air Toxic Emissions at Existing Facilities

DECEMBER 6, 2017
PERMITTING RULES

Regulation 2, Rule 1:
Permits – General Requirements

Regulation 2, Rule 2:
Permits – New Source Review

Regulation 2, Rule 4:
Permits – Emissions Banking

Regulation 2, Rule 6:
Permits – Major Facility Review

2017 EXCEEDANCES OF AIR QUALITY STANDARDS

OZONE

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

PARTICULATE MATTER

Days over National 24-Hour PM ₁₀ Standard	0
Days over California 24-Hour PM ₁₀ Standard	6*
<small>*5 exceedance days due to wildfires</small>	
Days over National 24-Hour PM _{2.5} Standard	18*
<small>*14 exceedance days due to wildfires</small>	

COMPLIANCE AND ENFORCEMENT ACTIVITY

2017 COMPLIANCE INSPECTIONS

Source Inspections	7,658
Air Pollution Complaints (Excluding Smoking Vehicles)	4,870
Gasoline-Dispensing Facility Inspections	1,443
Asbestos Inspections	2,244
Naturally Occurring Asbestos Inspections	1,174
Reportable Compliance Activities	415
Diesel Compliance and Grant Inspections	1,916
TOTAL	19,720





Three additional bills that inform the Air District's work were signed into law:

AB 1274 (O'Donnell) extends the current smog check exemption on newer cars for an additional two years, with seven- and eight-year-old vehicles paying a fee to the Carl Moyer Program in lieu of a smog check, raising nearly \$52 million annually for the Carl Moyer Program.

AB 1132 (C. Garcia) allows air pollution control officers to issue an emergency abatement order in cases of imminent and substantial public endangerment.

SB 1 (Beall) , adopts a range of new taxes and fees and blocks registration of trucks that are in violation of air quality regulations. Unfortunately, the bill also limits the ability of the California Air Resources Board to place further restrictions on heavy-duty vehicles subject to existing regulation.

FROM THE STATE CAPITOL

[2017 LEGISLATIVE SUMMARY]

In 2017, air quality and climate were important topics in Sacramento with the GHG reducing cap-and-trade program, which was extended through the passage of AB 398 (E. Garcia). Subsequently, AB 398 prevented the adoption of the Air District's Rule 12-16 due to the statewide provision limiting local air districts' ability to regulate CO₂. Integral to the cap-and-trade bill extension was AB 617 (C. Garcia), which imposes new requirements on local air districts concerning new community air monitoring programs, comprehensive community emission reduction plans, Best Available Retrofit Control Technology for certain sources, and emissions inventories. The bill also raises the civil penalty ceiling to \$5,000 per day for stationary source violations. The state-allocated funding to date (\$4.8 million for the Bay Area Air District) is not adequate to cover the work mandated by the bill.



/// Fig.3.4

Methane
monitoring van

[BASIN-WIDE METHANE STRATEGY]

Given the importance and potential co-benefits of controlling methane, the Air District is implementing a comprehensive Basin-Wide Methane Strategy to reduce the region's methane emissions.

Main efforts under the Methane Strategy include:

Updating the Air District's methane emissions inventory.

.....
Developing a rule (Regulation 12, Rule 2) to prohibit significant methane releases throughout the District.

.....
Crafting a strategy to address methane emissions from the organic material recovery and waste sector.

.....
Addressing methane and co-pollutant emissions from the oil and gas sector.

← BACK

Working With Our Partners

COMMUNITY COLLABORATION

Solving the problem of air pollution and the global climate depends on collaboration with partners and participation from the greater Bay Area community.



[SPARE THE AIR EVERYDAY PROGRAM]

The Spare the Air Program continues to encourage clean commute choices increasing biking, carpooling, telework and trip linking to reduce transportation-related air pollution and vehicle miles traveled. The Spare the Air Employer Program organized **eight Carpool Now luncheons at workplaces in 2017 including: Santa Clara University, Sonoma County, Marin County, Abaxis, Ariat International, Workday, Raytheon and Gilead.** There are plans to expand outreach to new organizations in 2018 and to provide smaller employers with do-it-

