

2023

ANNUAL AIR QUALITY REPORT



San Diego County
Air Pollution
Control District

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MESSAGE FROM THE AIR POLLUTION CONTROL OFFICER

*To SDAPCD Governing Board Members,
Stakeholders, and County residents*

I am pleased to present you with the 2023 Annual Air Quality Report for the San Diego County Air Pollution Control District (SDAPCD). Led by our 2023 Governing Board Chair Marcus Bush, we continued to navigate our journey as an independent agency.

It has been three years since SDAPCD officially separated from the County of San Diego, and we are proud of the progress we have made to institutionalize equity, transparency, and community engagement in our work while we continue our day-to-day efforts to improve air quality to protect public health and the environment. In this report, we present a sample of the great work done in 2023 by our 177 employees- a group of dedicated professionals who have responded to the challenges of our new direction by finding new ways to do our work that prioritizes these goals.

In 2023, SDAPCD continued to build and expand upon its programs to promote our goals of Air Quality, Public Health, Environmental Justice and Equity, Public Engagement and Transparency, and Operational Excellence. We required reductions of air toxics emissions to reduce health risks from stationary sources, adopted new rules to reduce smog-forming emissions from stationary sources, and provided grant funding to reduce emissions from mobile sources by facilitating the switch to zero-emission equipment. We also completed a program to provide over 500 air quality sensors and home air purifiers for residents in the Portside Environmental Justice Community. And we obtained additional resources to build upon our work to promote environmental justice and public engagement to

under-resourced communities throughout San Diego County, which will also allow us to expand our program to provide air monitors and air purifiers to residents in these communities.

To increase our transparency, we added multiple mapping tools to our website, so residents can identify sources of air toxics or complaints filed in their neighborhoods. We accomplished these objectives while reducing our staffing vacancy rate to 7%, ensuring that we have the appropriate resources to implement our plans and accomplish our daily work to improve air quality in the region. In 2023, SDAPCD also embarked upon a long-term strategic planning process to highlight our priorities and guide our work in the coming years. We consulted with communities and stakeholders throughout the region in development of the plan and anticipate its completion in the fall of 2024.

We are very proud of all we accomplished in 2023 and hope you will enjoy reading in more detail about our different programs and the progress we are making towards our vision of Clean Air for All.

Respectfully,



PAULA FORBIS



Anne Marie Birbeck-Garcia

Physician/Public Health Professional



Consuelo Martinez

Councilmember - City of Escondido District 3 Rep.



Enrique Medina

Scientific/ Technical Rep.



Esther Sanchez

Councilmember - City of Oceanside District 5 Rep.



Georgette Gomez

Environmental Justice Rep.



Jack Shu

Councilmember - City of La Mesa District 2 Rep. Chair/Vice chair/Military liaison

GOVERNING BOARD

The San Diego County Air Pollution Control District is guided by its Governing Board.

The Board is comprised of eight elected officials from the County Board of Supervisors, cities within San Diego County, as well as three appointed public members that lead the District's vision of clean air for all.



Marcus Bush

Councilmember - City of National City District 1 Rep.



Nora Vargas

San Diego County Board of Supervisors Rep.



Sean Elo-Rivera

Councilmember - City of San Diego District 4 Rep.




Terra Lawson-Remer

San Diego County Board of Supervisors Rep.



Todd Gloria

City of San Diego Member At-Large



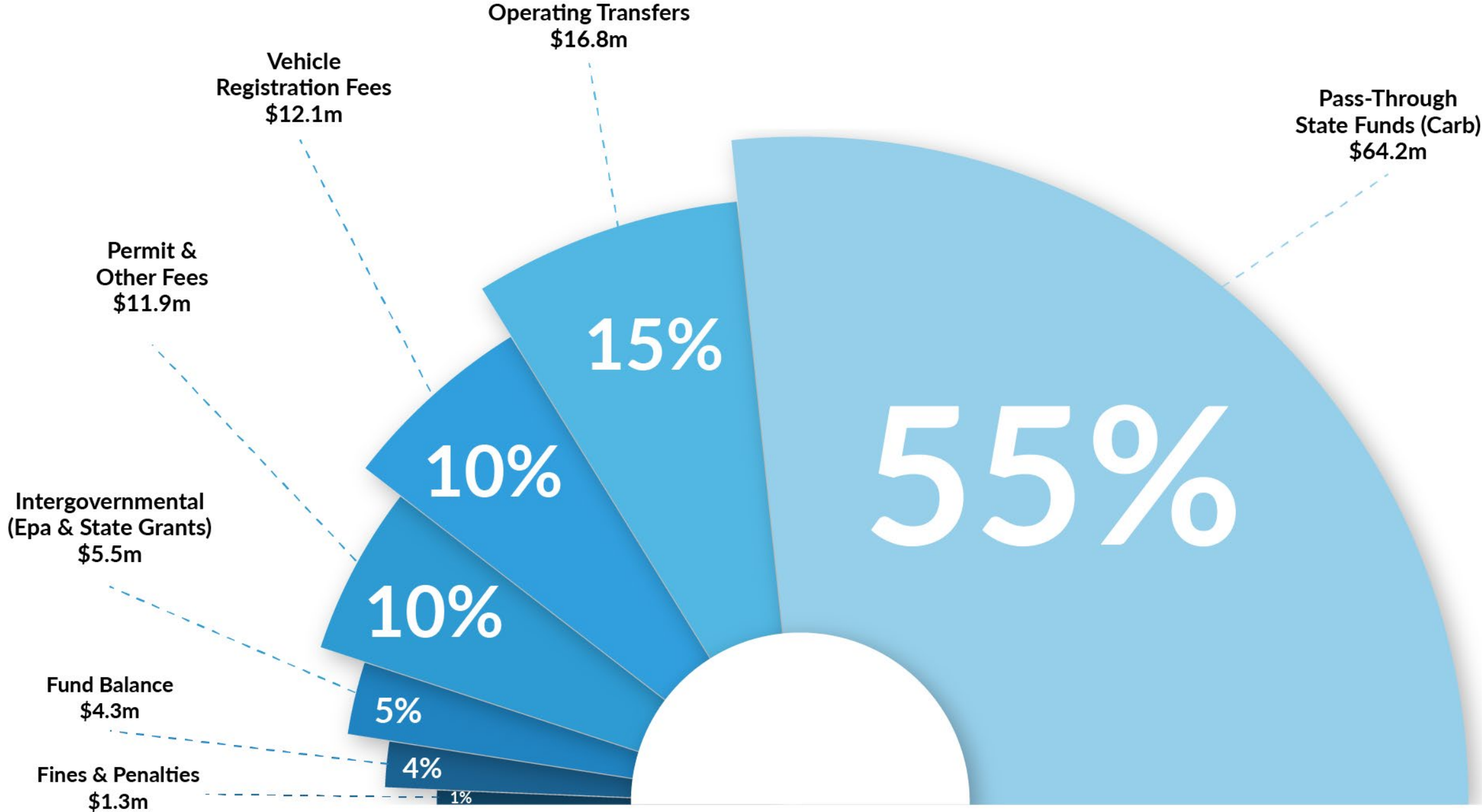
ABOUT THE DISTRICT

The San Diego County Air Pollution Control District (SDAPCD) is the Countywide agency in charge of maintaining the air quality in San Diego County to protect public health and the environment. SDAPCD regulates stationary sources of air pollution, offers grants and incentives, works with community, government, and industry partners, sets rules, and seeks new initiatives to reduce pollutants that could affect air quality.

SDAPCD's **Mission** is to protect public health and the environment. Our **Vision** is clean air for all. From North to South and East to West, every corner in San Diego County should feel like a breath of fresh air.

BUDGET

For the 2023-24 Fiscal Year (July 1st – June 30th), SDAPCD had a budget of \$116.1 million. The largest source of SDAPCD’s funding consists of state & federal grant funds from the California Air Resources Board (CARB) and U.S. Environmental Protection Agency (EPA) most of which is used for pass-through grants for projects to improve air quality. Other funding sources include permits and other fees from stationary sources regulated by SDAPCD and Department of Motor Vehicles (DMV) registration fees.

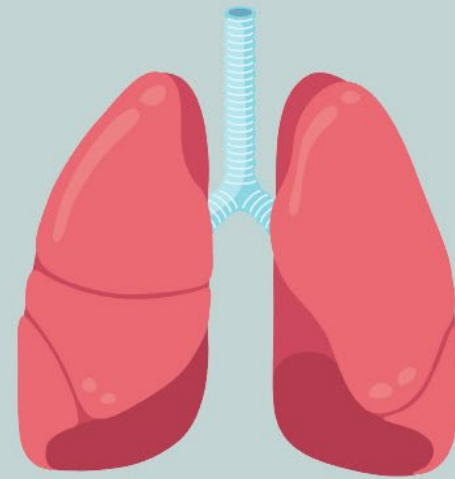


AIR QUALITY & PUBLIC HEALTH

SDAPCD's mission is to protect the health of everyone that lives and visits San Diego County.

Air quality standards are set to protect the health of the public and prevent any adverse health effects that can be caused by elevated levels of air contaminants. There are short and long-term risks associated with exposure to pollutants that are emitted from various sources.

SHORT-TERM EFFECTS OF AIR POLLUTION



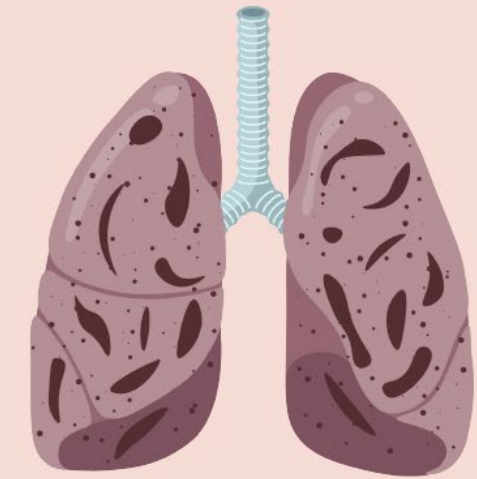
Respiratory Irritation

- Coughing
- Throat irritation
- Shortness of breath

Worsening of pre-existing conditions

- Asthma attacks
- Chronic bronchitis exacerbation

LONG-TERM EFFECTS OF AIR POLLUTION



Chronic Respiratory Diseases

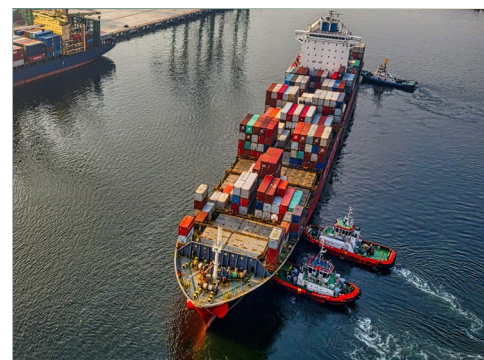
- Chronic obstructive pulmonary disease (COPD)
- Lung cancer

Cardiovascular Diseases

- Heart disease
- Stroke

CONTRIBUTING FACTORS TO AIR POLLUTION

SDAPCD is consistently working to improve air quality, but there isn't a single source of air pollution. Addressing the causes requires a coordinated three-tiered approach from the U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and the local Air District. Each agency is charged with regulating different sources of air pollution.



U.S. EPA regulates interstate-traveling sources, such as planes, trains, and ships.



CARB regulates emissions from vehicles, fuels, and consumer products.



SDAPCD primarily regulates stationary sources of air pollution, but through an agreement with CARB, it also regulates certain Marine Vessels and Diesel Heavy-Duty vehicles.

An aerial, black and white photograph of San Diego, California, showing the city skyline, the waterfront, and the harbor. The text "STATE OF THE AIR" is overlaid in large, bold, white, sans-serif capital letters on the left side of the image. The background shows a dense urban area with numerous skyscrapers and buildings, a large stadium with a distinctive white, tent-like roof, and a harbor with several large industrial buildings and ships. The sky is overcast with soft, diffused light.

STATE OF THE AIR

CRITERIA POLLUTANTS

SDAPCD is responsible for tracking criteria pollutants to ensure air quality in San Diego County meets federal and state standards. For each criteria pollutant, the region is designated as being in attainment, meaning standards are being met, or nonattainment, meaning the standards are not being met.

National Ambient Air Quality Standards (NAAQS) and/or California Ambient Air Quality Standards (CAAQS) are set by the EPA or CARB for the maximum level an air pollutant in the outdoor air can exist without affecting the public's health.

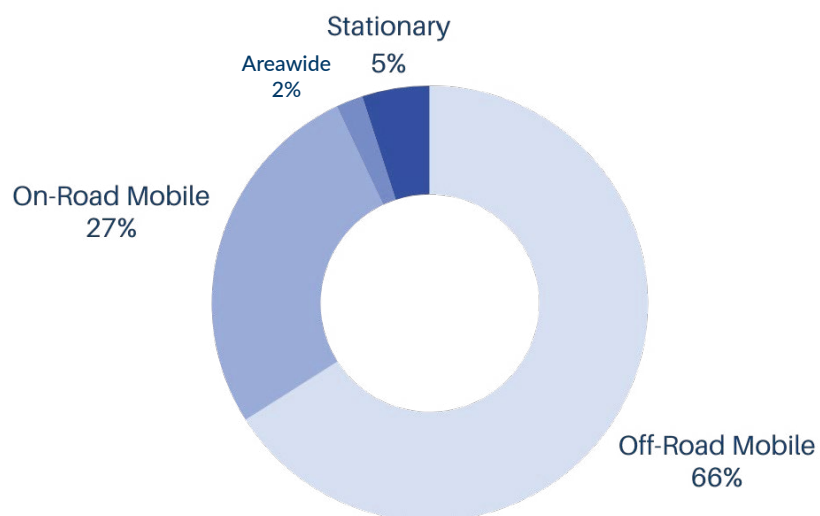
The current national and state air quality standard designations for San Diego County can be found in the table.

Criteria Pollutant	Federal Designation	State Designation
Ozone (8-Hour)	Nonattainment	Nonattainment
Ozone (1-Hour)	Attainment	Nonattainment
Carbon Monoxide	Attainment	Attainment
PM10	Unclassifiable	Nonattainment
PM2.5	Attainment	Nonattainment
Nitrogen Dioxide	Attainment	Attainment
Sulfur Dioxide	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	No Federal Standard	Attainment
Hydrogen Sulfide	No Federal Standard	Unclassified
Visibility	No Federal Standard	Unclassified

SOURCES OF EMISSIONS: NOX

In 2023, 93% of nitrogen oxides (NOx) was emitted from mobile sources (on-road and off-road), 5% was emitted from stationary sources, and 2% was from areawide sources. Some of the top sources of NOx emissions in San Diego County include ocean-going vessels (e.g. cargo/container ships), off-road equipment, heavy-duty/medium-duty diesel trucks, aircraft, and commercial harbor craft (e.g. tugboats, towboats, passenger, and commercial fishing boats).

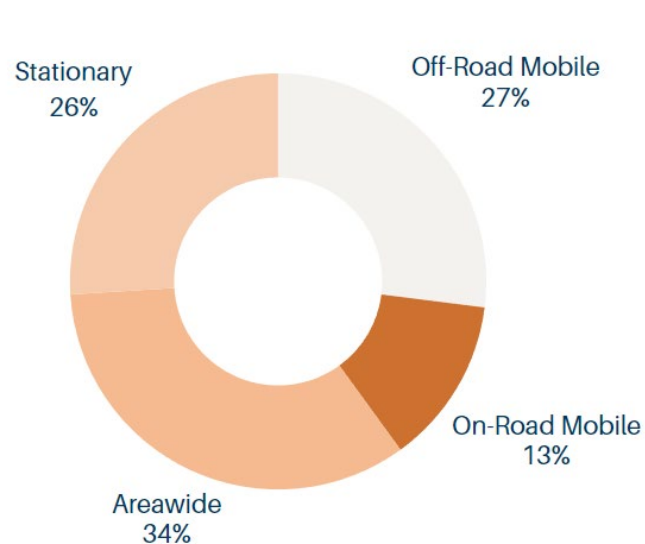
Annual NOx Emissions - San Diego County



SOURCES OF EMISSIONS: VOC

For volatile organic compounds (VOCs) in 2023, 40% was emitted from mobile sources (on-road and off-road), 26% was emitted from stationary sources, and 34% was from areawide sources. Some of the top sources of VOC emissions in San Diego County include consumer products (e.g. deodorants, hair spray, cleaning products, insecticides, etc.), off-road equipment, recreational boats, architectural coatings (such as paints, varnishes, and other household finishes), and other miscellaneous coatings/related solvents.

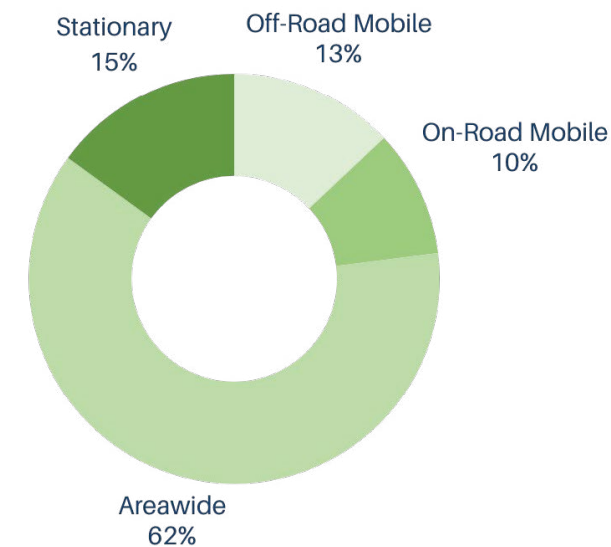
Annual VOC Emissions - San Diego County



SOURCES OF EMISSIONS: PM2.5

For fine particulate matter (PM2.5) in 2023, 23% was emitted from mobile sources (on-road and off-road), 15% was emitted from stationary sources, and 62% was from areawide sources. Some of the top sources of PM2.5 emissions in San Diego County include residential fuel combustion (i.e. water heating/furnaces), construction and demolition, cooking, aircraft, and dust from paved roads.

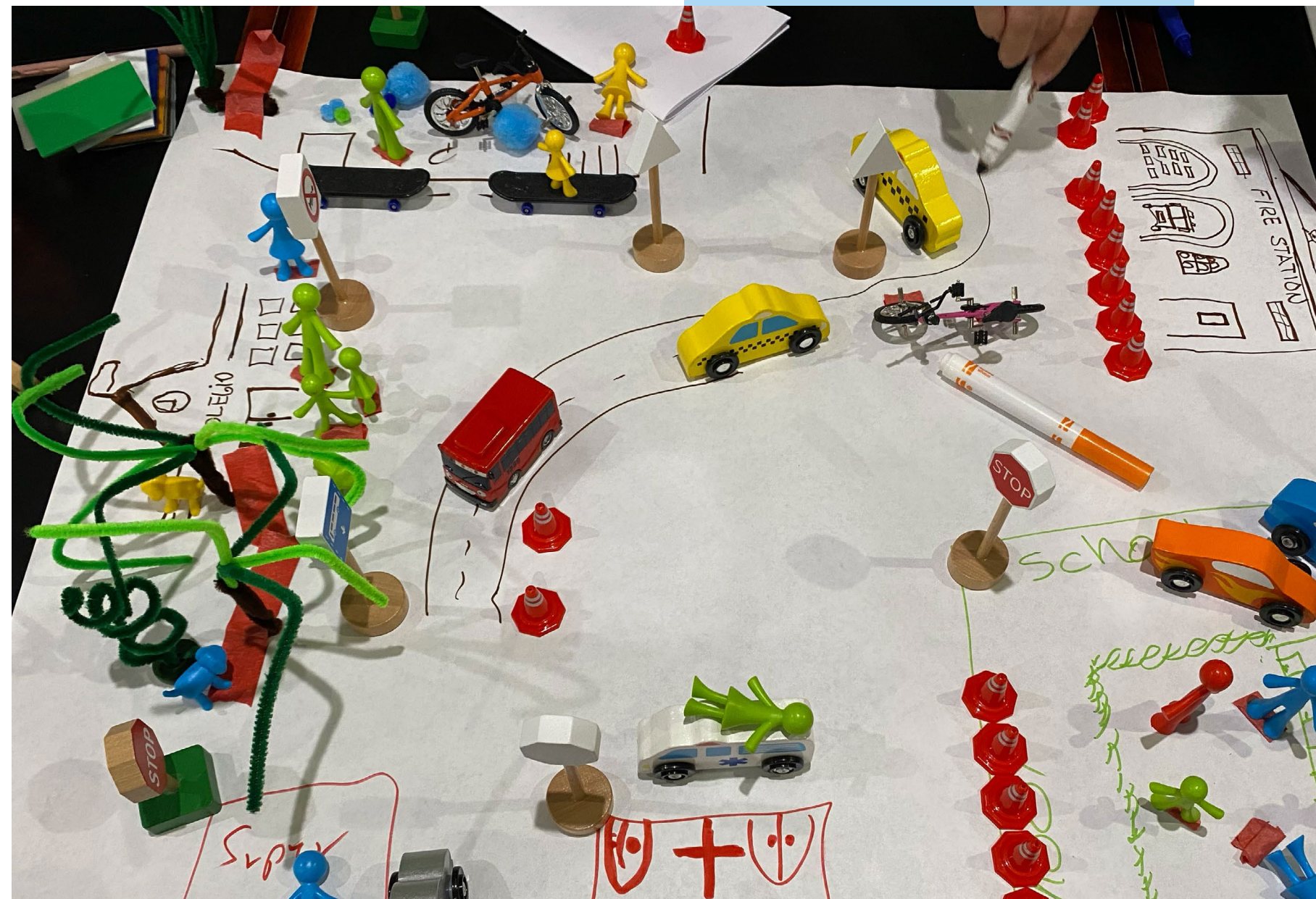
Annual PM2.5 Emissions - San Diego County



WORKING TOWARDS CLEAN AIR FOR ALL

SDAPCD works to attain air quality standards because the health of the public is our highest priority. Over the past several decades, SDAPCD has developed and expanded its regulatory programs to cut emissions from stationary sources, as well as grown its incentive-based programs to achieve emissions reductions from mobile sources (such as cars, trucks, and off-road vehicles and equipment) beyond what is required by law or regulation.

Over the last few decades, SDAPCD's ongoing efforts to improve air quality have led to lower levels of ozone-forming emissions. However, further reductions are needed from emissions sources that contribute to ozone nonattainment. SDAPCD also updated its State Ozone Attainment Plan (Regional Air Quality Strategy, or RAQS) in 2023 to demonstrate how (and when) the region is expected to attain state ozone standards over the coming years.





IN THE COMMUNITY

As part of its commitment to engaging the community, SDAPCD continues to make strides to implement strategies as outlined in its Public Participation Plan and Environmental Justice Framework. Additionally, the SDAPCD Governing Board has adopted an Equity Statement that directs the organization to advance policies, programs, and services that achieve environmental justice and equity.

This means implementing additional measures in communities most impacted by air pollution to ensure all of San Diego County has access to clean air.



ENVIRONMENTAL JUSTICE

SDAPCD's Office of Environmental Justice Framework is a roadmap to integrate environmental justice and equity in our operations, policies, and regulations. To accomplish this goal, we have been focusing upon internal SDAPCD operations and foundational information to ensure that all divisions are working to advance environmental justice. This is being done in several ways, such as developing accessible and interactive mapping tools,

analyzing new and amended rules through an environmental justice lens, and developing resources for all SDAPCD programs to be able to identify and work with environmental justice communities throughout the region. In addition to internal work, SDAPCD's Office of Environmental Justice has been working on developing partnerships with Community-Based Organizations (CBOs) regionwide, and community members.

COMMUNITY AIR PROTECTION PROGRAM

The Community Air Protection Program (CAPP) was established by the California Air Resources Board (CARB) in response to Assembly Bill (AB) 617. The purpose of this program is to reduce pollution exposure in communities that have been disproportionately burdened by air pollution. Two areas in San Diego County have been designated as Environmental Justice (EJ) Communities through this program; the International Border Community, which includes the communities of San Ysidro and Otay Mesa East;

and the Portside Community, which includes the communities of Barrio Logan, Logan Heights, Sherman Heights, and the western portion of National City. Steering Committees were established for both communities comprised of area residents, industry, academia, community based organizations, and public agency representatives.

INTERNATIONAL BORDER COMMUNITY STEERING COMMITTEE

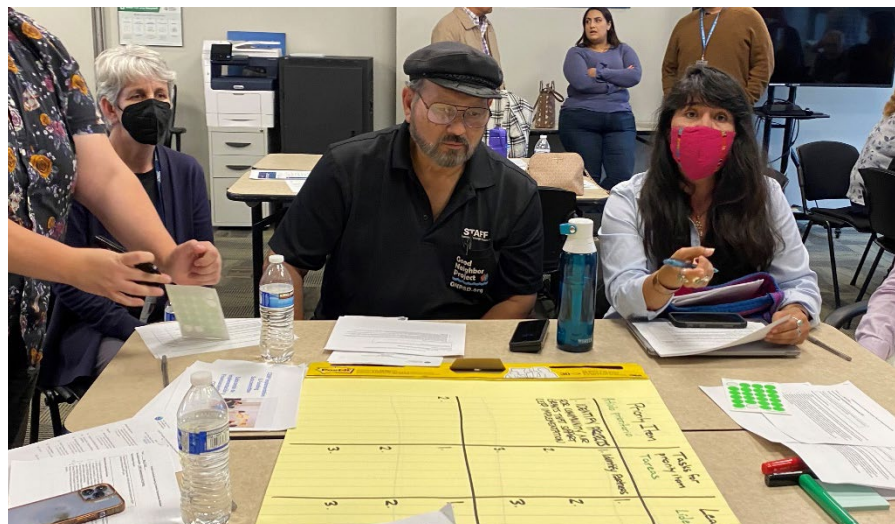
This past year, the International Border Community Steering Committee (IBCSC) worked to develop the [Community Air Monitoring Plan \(CAMP\) for the communities of San Ysidro and Otay Mesa](#), a plan to identify key areas in the community where they would like monitors due to air pollutants impacting adjacent community members.

The IBCSC also developed a [Community Emission Reduction Plan \(CERP\)](#). Using lived experience and air quality data, the IBCSC identified air quality priorities, and worked together to develop 34 strategies and 128 actions to implement strategies to address community priorities. Strategies reflect original ideas of the committee, while others are from CERP strategies that have been developed by other AB 617 communities from the Community Air Protection Program. SDAPCD also worked with public agency partners such as the San Diego Association of Governments (SANDAG) and Caltrans, to review and identify relevant strategies documented in previous planning efforts that could significantly reduce emissions from the key sources.



PORTSIDE COMMUNITY STEERING COMMITTEE

Partner agencies worked together to present a CERP Annual Progress Report to the CSC. Portside CSC members shared that they wanted to be more actively involved in meetings and implementation of the CERP. Based on this request, three subcommittees were formed:



1. The Implementation and Funding

subcommittee is focused on developing a set of criteria for any future proposed projects in the Portside Communities to ensure future projects advance and meet CERP goals.



2. The Monitoring and Data Review

subcommittee works with SDAPCD to review monitoring data and presentations to ensure data is shared in an accessible and meaningful manner prior to when it is presented.



3. Lastly, the Community Outreach

subcommittee is planning ways to get more community members involved in the CSC.

ENVIRONMENTAL JUSTICE PARTNERSHIP

SDAPCD was awarded an Environmental Justice Government-to-Government (EJG2G) grant from the U.S. Environmental Protection Agency, a significant milestone to bringing additional resources to communities with higher air pollution. The one-million-dollar grant involves working with communities facing environmental

injustices to improve air quality. SDAPCD will accomplish this through an Environmental Justice Partnership, a collaboration with eight CBOs, CARB, and the County’s Office of Sustainability and Environmental Justice, to pilot a new approach to the Community Air Protection Program (CAPP).

This reimagined CAPP (which can serve as a model statewide) will be less time and resource intensive for both SDAPCD and participating communities. This program utilizes popular education and participatory planning to have community members identify air quality issues and co-develop solutions to address these issues. Additionally, this effort will

allow us to expand our monitoring network through the installation of sensor-based monitors throughout EJ communities regionwide. The program will also include the establishment of a new air quality focused Environmental Justice Working Group, convened in partnership with the County of San Diego Office of Sustainability and Environmental Justice.





CLEAN AIR FOR ALL AWARDS

The Clean Air for All Awards recognize non-profit organizations, industry, government agencies, and business that develop and/or implement innovative solutions beyond regulatory requirements to support the SDAPCD's vision of Clean Air for All. An organization is chosen in each of the three categories, Air Quality, Public Health, and Environmental Justice.

This year the following organizations were selected to receive the Clean Air for All Award.



Air Quality

The San Diego County Regional Airport Authority was recognized for the implementation of the San Diego International Airport (SAN) All-Electric Shuttle Program (AESP). The AESP is a 100% electric shuttle service that has resulted in a 1,354 metric ton reduction of CO₂ in 2021 alone. With the implementation of this program, SAN has the largest all-electric shuttle fleets in the region and at a North American airport.

Environmental Justice & Equity

The Environmental Health Coalition was recognized for the Portside Air Quality Improvement Relief (PAIR) Program. The PAIR Program distributed over 500 monitors and air purifiers for residents in the Portside Community, as well as educated residents on air quality. The monitors generated data to determine indoor air quality and that information can be used to implement initiatives to help improve air quality in the Portside communities.

Public Health

The H3SD San Diego's Heat and Human Health Organizing Committee was recognized for the first Heat and Human Health Summit (Summit) in the country. This Summit brought San Diego's medical community, medical students, County of San Diego, and public health officials together to address the effects of heat on human health, as well as how air pollution is tied to adverse health effects.

WORKING TO REDUCE AIR POLLUTION

SDAPCD is steadfast in its mission to promote Clean Air for All. Through rigorous monitoring and enforcement of air quality regulations, we ensure that sources that can create air emissions are kept in check. Our Supplemental Environmental Project Program implements community-based initiatives and targets pollution reduction in the most impacted communities. We also publish data sets

and mapping tools to promote transparency and accountability.

By prioritizing public health, environmental justice, and sustainable practices, we are making significant strides toward a future where clean air is a reality for everyone.

RULES

The District has developed Rules to meet healthy air quality standards. Rules are reviewed and amended periodically to ensure businesses are using the most up-to-date equipment and methods to reduce air pollution.

During 2023, the District amended the following rules:

Rule 40	Revision of Permit and Other Fees
Rule 1200	Toxic Air Contaminant-New Source Review (Tables I, II, & III)
Rule 1210	Toxic Air Contaminant Health Risks-Public Notification & Risk Reduction (Tables I, II, & III)
Rule 19.2	Continuous Emission Monitoring Requirements
Rule 1415	Permit Process-Public Notification
Rule 69.7	Landfill Gas Flares

Notable Rule Adoption

- Landfill gas flares are combustion devices that destroy methane and carbon dioxide gas which are given off from the decomposition of waste at a landfill.
- Flares burn landfill gas at high temperatures and produce NO_x and carbon monoxide (CO) as byproducts. New Rule 69.7 addresses NO_x emitted from such devices.
- New Rule 69.7 applies to all existing landfill gas flares operating at municipal solid waste (MSW) landfills in San Diego County where the aggregate actual or potential emissions from such flares are at or above 25 tons per year or more of NO_x.
- Facilities must comply with stringent testing and monitoring procedures to ensure that their emissions remain below required standards.



REGULATING SOURCES OF AIR POLLUTION

In 2023, 319 Authorities to Construct (a permit to install, modify, and/or construct equipment or processes) were issued for various operations that can create air emissions. On average, the issuance of these permits took about 90 days. Before issuing these Authorities to Construct, a comprehensive engineering evaluation is conducted. This includes quantifying potential emissions and health risks, evaluating all applicable air quality rules and regulations, and determining whether the proposed operation is expected to comply with those rules and regulations. Each Authority to Construct includes specific conditions that ensure ongoing compliance and is subject to field inspections before the final permit to operate is issued.

The Authorities to Construct covered a wide range of operations, including 173 engines, 48 gas stations, 38 coatings/ adhesive/ solvent operations, and 17 asphalt/aggregate processing. Other permitted operations included sewage treatment facilities, boiler/

heater units, abrasive blasting, soil remediation, dry cleaning, coffee roasting, and other operations that can contaminate the air.

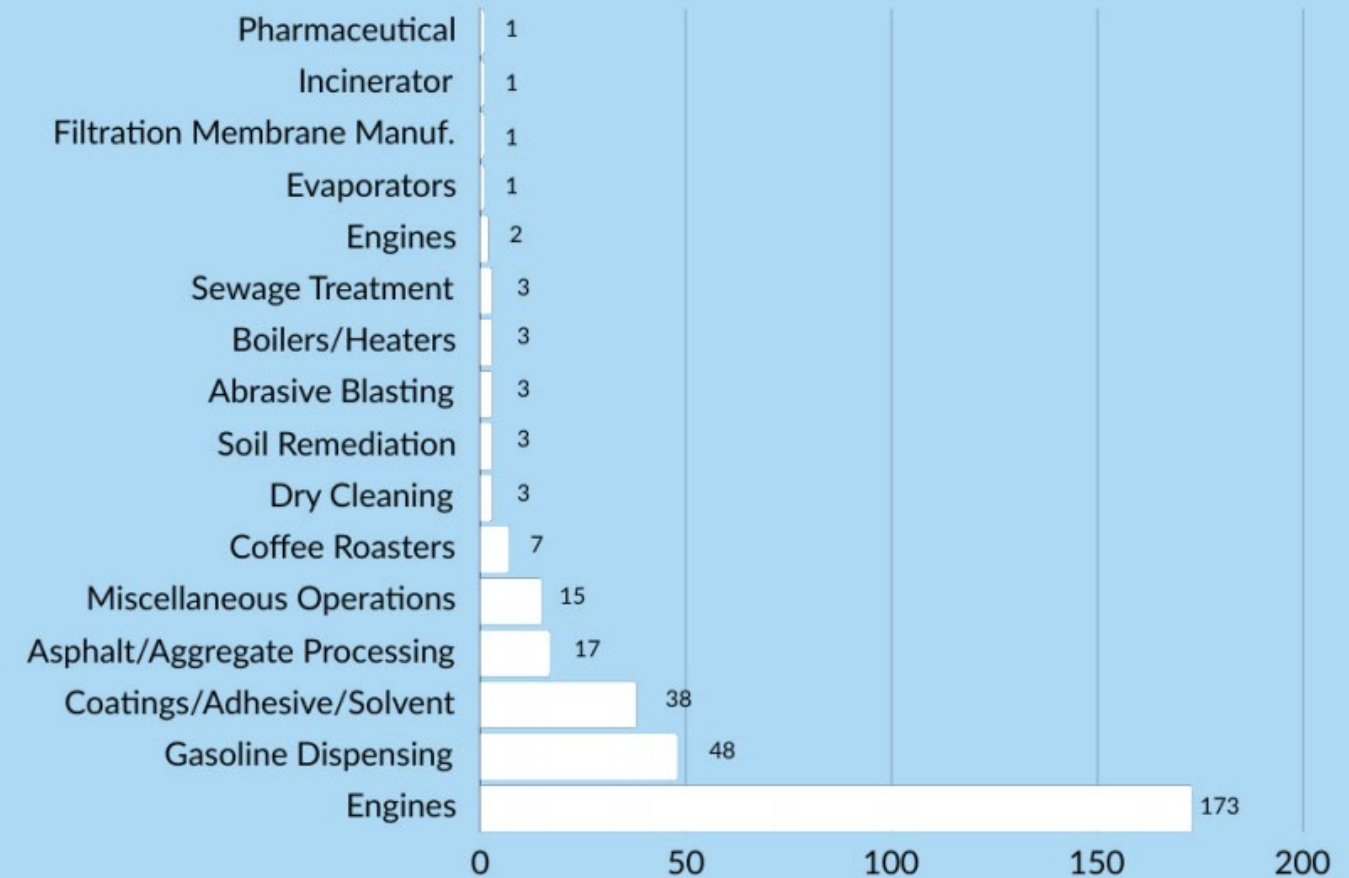
Additionally, approximately 1,400 emission inventories were prepared to quantify emissions and identify sources that can create elevated health risks. By meticulously evaluating and regulating these activities, we strive to protect the public health and the environment.

SDAPCD EVALUATES APPROXIMATELY

300

PERMIT APPLICATIONS ANNUALLY

OPERATIONS PERMITTED IN 2023



CALIFORNIA AIR TOXICS “HOT SPOTS” PROGRAM

Showing SDAPCD’s Commitment to Health and Safety for all San Diego County Communities



Under the Air Toxics “Hot Spots” Program (Program), SDAPCD calculates potential health risks from facilities that can emit toxic substances. Elevated amount of toxic substances can cause adverse health effects that can range from minor eye or throat irritation, shortness of breath or headaches, to more permanent and serious conditions such as cancer, birth defects, or damage to the lungs, nerves, liver, heart, or other organs.

We are happy to report that since 2021, the elevated health risks potentially affecting 1,629 households, 59 businesses, and one park have been reduced to levels below established thresholds.

This accomplishment is a result of the SDAPCD Governing Board’s decision to prioritize health and safety by adopting stricter requirements to reduce potential health risks. This achievement highlights SDAPCD’s strong commitment to promoting cleaner air and fostering healthier living environments for all residents and businesses in San Diego County.

Additionally, as part of our commitment to accountability, transparency, and community involvement, we continue to enhance the interactive mapping [tool](#) by showing the sources subject to this Program. With a few clicks you can view sources in your community that are evaluated under this Program.

Information regarding the Air Toxics “Hot Spots” Program, the 2023 Program report, and the interactive mapping tool can be found on SDAPCD’s [website](#).

ENSURING ONGOING COMPLIANCE

SDAPCD verifies that stationary sources located in San Diego County comply with air quality rules and regulations. We achieve this goal by providing information regarding applicable requirements to regulated entities, conducting unannounced inspections, responding to air quality complaints, and taking enforcement actions when violations are documented.

These programs are critical for managing air pollution within the County of San Diego, and protecting public health by ensuring that all regulated entities adhere to air quality standards.

Although the SDAPCD primarily regulates stationary sources of air pollution, we also inspect certain

mobile sources (including diesel-powered heavy-duty trucks and buses, offroad vehicles, and vessels) through a Memorandum of Agreement with the California Air Resources Board. These sources contribute significant emissions of oxides of nitrogen (NOx), a key precursor to ozone formation, and diesel particulate matter, which poses serious health risks, including lung cancer. Click [here](#) to learn more about the Mobile Source Program.

IN 2023 SDAPCD CONDUCTED:



COMPLIANCE ASSISTANCE

26 Advisories/Notices & 12 Trainings and Workshops in 2023



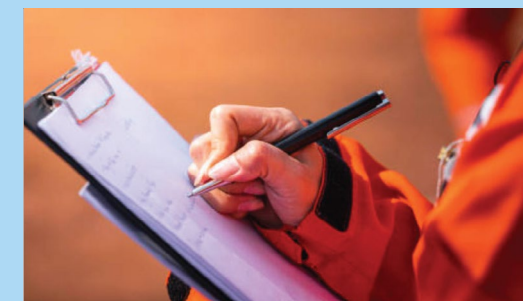
INSPECTIONS

14,660 Inspections in 2023



AIR QUALITY COMPLAINTS

717 Investigations in 2023
Avg, Response Time 4.5 Hours



ENFORCEMENT

1,247 Notices of Violation
\$970,618.40 in Monetary Penalties

AIR QUALITY COMPLAINTS

SDAPCD has field inspectors available around the clock to investigate air quality complaints reported by the public and take enforcement actions when violations of air quality regulations are documented. SDAPCD received approximately 700 complaints in 2023 regarding odors, dust, smoke, or improper asbestos removal processes. On average, SDAPCD responded to complaints within 5 hours. This program protects public health by addressing public concerns, engaging with community members, and ensuring compliance with SDAPCD rules and regulations.

As part of SDAPCD's commitment to transparency, an online complaint mapping tool is now available online. The tool allows the public to readily identify communities reporting air quality concerns, as well as inspection response [information](#).



BUSINESS ASSISTANCE

As an effort to increase compliance rates of regulated sources of air pollution, we offer support through training opportunities, advisories, instructional videos, and more. Click [here](#) to learn more about these resources.





GRANTS & INCENTIVES

In 2023, SDAPCD provided over \$8.3 million in incentive funding for heavy duty diesel equipment replacement and repower projects. These projects improve air quality, protect the public, and support local businesses' transition to cleaner equipment. The program's objective is to reduce NOx and reactive organic gas (ROG) emissions,

which contribute to ozone pollution, and diesel particulate matter, a toxic air contaminant.

These projects will result in over 258 tons of pollution reductions over their lifetimes.

CARL MOYER MEMORIAL AIR QUALITY STANDARDS ATTAINMENT PROGRAM (MOYER)

The most widely known and successful incentive program is now in its 26th year and continues to focus on reductions from heavy duty diesel equipment such as tractors, off-road construction equipment, trucks, and marine vessels.

In 2023, this program provided over \$2.8 million in funding and will achieve reductions of 74 tons of NOx, 4.5 tons of Reactive Organic Gases (ROG), and 3.9 tons of particulate matter (PM) over the lifetime of the projects.



COMMUNITY AIR PROTECTION PROGRAM

The Community Air Protection Program invests in under-resourced communities by reducing emissions specifically for those areas most affected by air pollution, which in San Diego includes the Portside and International Border Environmental Justice Communities and other disadvantaged communities in San Diego County. In 2023, SDAPCD provided over \$2.9 million in funding for projects that will reduce over 86 tons of NOx, 9.7 tons of ROG, and 4.8 tons of PM.

FUNDING AGRICULTURAL REPLACEMENT MEASURES FOR EMISSION REDUCTIONS (FARMER)

The FARMER program is specifically for equipment used in agriculture. This sector, vital to San Diego's economy, has many pieces of equipment whose emissions directly affect agricultural workers and surrounding communities. In 2023, this program provided over \$1.9 million for projects reducing 49.9 tons of NOx, 8.3 tons of ROG, and 2.7 tons of PM.



GOODS MOVEMENT EMISSION REDUCTION

The Goods Movement Emission Reduction Program provides funds specifically for equipment used to move freight. For San Diego, that meant \$600,000 in funding in 2023 to replace older diesel trucks with low NOx natural gas trucks, reducing emissions in that sector by 14.4 tons over the lifetime of those projects.

GRANTS SPOTLIGHT

In 2023, we funded two zero-emission school buses and our first Electric Forklift. The buses will reduce particulate matter among school age children in a disadvantaged community.

A black and white photograph of an air quality monitoring station. The station consists of a tall metal pole with various sensors and instruments attached. A large, dark, rectangular sensor housing is prominent in the foreground. The background shows a clear sky and some distant trees and utility poles.

MONITORING AIR QUALITY

SDAPCD's Air Monitoring Stations are strategically located between the coast and the mountain foothills up to approximately 2,000 feet. The large monitoring network covers the diverse range of topography, meteorology, emissions, and air quality in San Diego County,

while adequately representing the large population centers. This monitoring network plays a critical role in assessing San Diego County's clean air progress and determines pollutant exposures throughout the County.

AIR QUALITY STATIONS

SDAPCD uses a wide variety of tools to determine the location of each monitoring station, including CalEnviroScreen, the Environmental Protection Agency's (EPA) EJScreen, proximity to the facilities identified in the "Hot Spots" program, the California Healthy Place Index, and other datasets. Most importantly, SDAPCD collaborates and considers information from community residents and stakeholders.





POLLUTANTS

Ambient concentration data are collected for a wide variety of pollutants in our air basin. While not all of the following pollutants are measured at each monitoring station, all sites (except one) measure multiple pollutants including:

POLLUTANTS	
Ozone (O3)	Metals
Sulfur Dioxide (SO2)	Organic and Elemental Carbon
Particulate Matter <2.5 micrometers (PM2.5)	Carbon Monoxide (CO)
Carbonyls	Particulate Matter <10 micrometers (PM10)
Black Carbon	Volatile Organic Compounds (VOCs)
Nitrogen Dioxide (NO2)	Hexavalent Chromium
Lead (Pb)	Cations and Anions
Oxides of Nitrogen (NOx)	

IMPLEMENTING ADDITIONAL TOOLS (TJ RIVER VALLEY SENSORS)

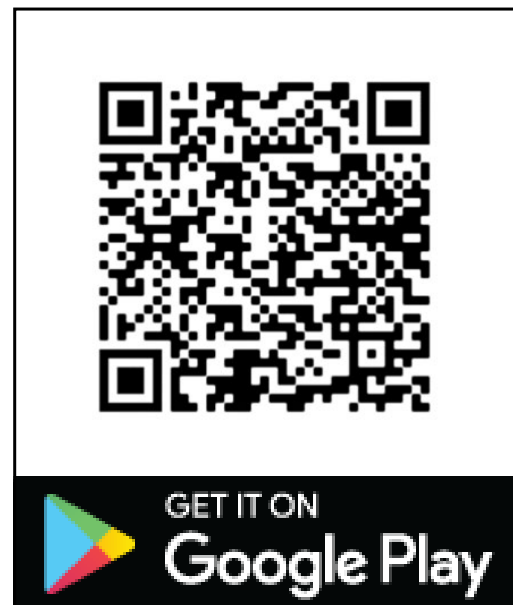
The ambient air in San Diego County is constantly changing and may require the implementation of new strategies or equipment. SDAPCD received concerns over sewage odors emanating from the Tijuana River Valley and the effect on quality of life that the odors cause to the surrounding communities (such as not being able to be outdoors or open their windows). In response to this concern, SDAPCD secured an Environmental Protection Agency grant to procure six AQ Mesh sensors to measure and track levels of hydrogen sulfide (H₂S), sulfur dioxide (SO₂), (with H₂S being the main pollutant causing the odors), and other compounds and meteorological parameters.

The goal is to collect data that can help inform the levels of hydrogen sulfide to determine the level of public exposure and partner with health agencies to help understand any potential health effects on the community from the odors. Initial monitoring results have shown near constant levels above the human odor threshold (10ppm) with a few spikes above the odor nuisance standard (30 ppm) established by the California Air Resources Board (CARB). Please note that this standard is based on odor nuisance level and not a health-based standard.



AIR QUALITY CONCERNS

**Reporting air quality concerns is at your fingertips!
Download our mobile apps.**

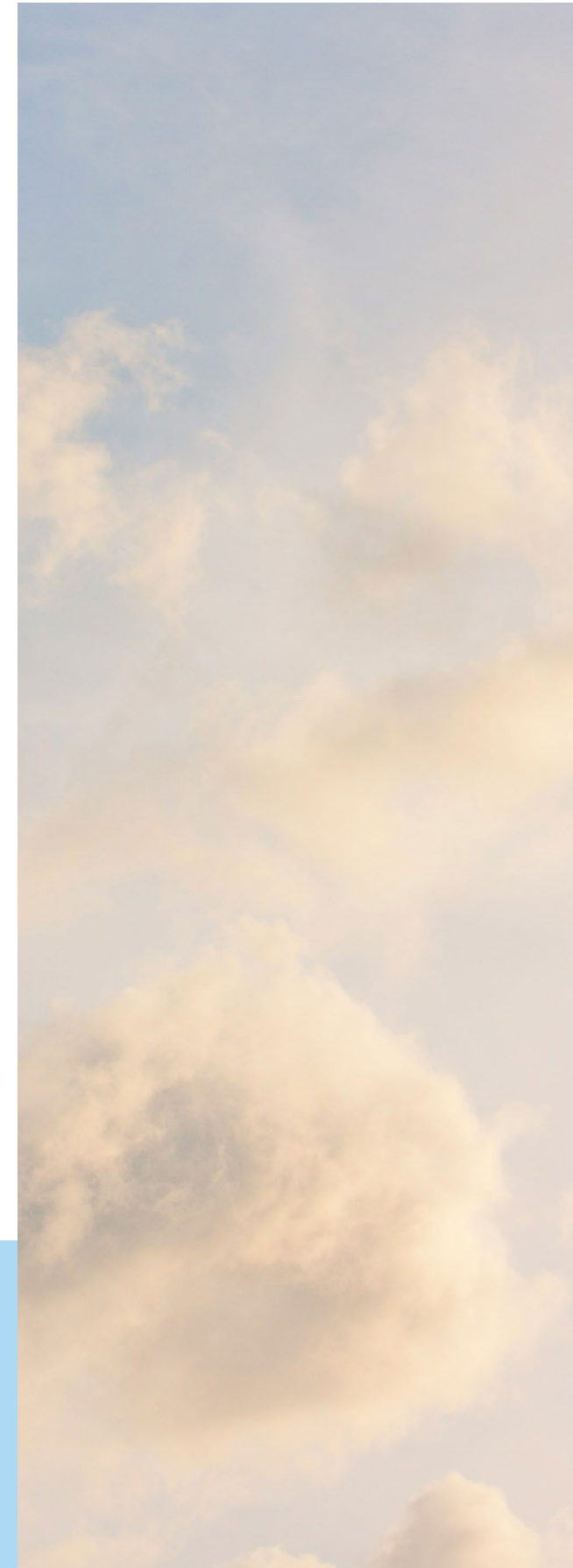


Our mobile app allows you to report air quality concerns such as:

- Asbestos
- Dust
- Gasoline Dispense Facility
- Idling
- Open Burn
- Smoke
- Unpermitted/Non-Compliant Equipment/Operations

We investigate each concern submitted to verify compliance with air quality regulations in our jurisdiction within 48 hours or less.

You can also report air quality concerns by phone at (858) 586-2650 or e-mail at apcdcomp@sdapcd.org. For after-hours concerns, please call (858) 586-2650 and select option 2.



CONTACT US



If you have any questions, need further information, please feel free to contact us. We look forward to hearing from you and exploring how we can work together.

Media Inquiries:

Melina Meza
Melina.Meza1@sdapcd.org

General Information:

10124 Old Grove Road
San Diego, CA 92131
(858) 586-2600
airinfo@sdapcd.org

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**Air Pollution
Control District**