



BOARD OF DIRECTORS  
STATIONARY SOURCE AND CLIMATE IMPACTS COMMITTEE

BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

COMMITTEE MEMBERS

LYNDA HOPKINS – CHAIR  
KEN CARLSON  
JOHN GIOIA  
OTTO LEE  
MARK ROSS

DAVID HAUBERT – VICE CHAIR  
NOELIA CORZO  
TYRONE JUE  
MYRNA MELGAR  
VICKI VEENKER

**MEETING LOCATION(S) FOR IN-PERSON ATTENDANCE BY  
COMMITTEE MEMBERS AND MEMBERS OF THE PUBLIC**

**Bay Area Metro Center  
1st Floor Yerba Buena Room  
375 Beale Street  
San Francisco, CA 94105**

**Office of Contra Costa County  
Supervisor John Gioia  
Conference Room  
11780 San Pablo Ave., Suite D  
El Cerrito, CA 94530**

**Office of Alameda County Supervisor  
David Haubert  
4501 Pleasanton Avenue  
Pleasanton, CA 94566**

**City of Bloomington City Hall  
Dunlap Conference Room, #235  
401 N. Morton Street  
Bloomington, IN 47404**

**THE FOLLOWING STREAMING OPTIONS WILL ALSO BE PROVIDED**

**These streaming options are provided for convenience only. In the event that streaming connections malfunction for any reason, the Stationary Source and Climate Impacts Committee reserves the right to conduct the meeting without remote webcast and/or Zoom access.**

**The public may observe this meeting through the webcast by clicking the link available on the air district's agenda webpage at [www.baaqmd.gov/bodagendas](http://www.baaqmd.gov/bodagendas).**

**Members of the public may participate remotely via Zoom at <https://bayareametro.zoom.us/j/83299059974>, or may join Zoom by phone by dialing (669) 900-6833 or (408) 638-0968. The Webinar ID for this meeting is: 832 9905 9974**

**Public Comment on Agenda Items: The public may comment on each item on the agenda as the item is taken up. Members of the public who wish to speak on a matter on the agenda will have two minutes each to address the Committee on that agenda item, unless a different time limit is established by the Chair. No speaker who has already spoken on an item will be entitled to speak to that item again.**

# STATIONARY SOURCE AND CLIMATE IMPACTS COMMITTEE MEETING AGENDA

**WEDNESDAY, JULY 12, 2023**

**10:00 AM**

**1. Call to Order - Roll Call**

*The Committee Chair shall call the meeting to order and the Clerk of the Boards shall take roll of the Committee members.*

**2. Pledge of Allegiance**

**CONSENT CALENDAR (Item 3)**

**3. Approval of the Draft Minutes of the Stationary Source and Climate Impacts Committee Meeting of June 21, 2023**

*The Committee will consider approving the draft minutes of the Stationary Source and Climate Impacts Committee Meeting of June 21, 2023.*

**INFORMATIONAL ITEM(S)**

**4. Mid-Year Review of the 2023 Regulatory Agenda**

*This is an informational item to provide the Committee with a mid-year review of the 2023 Regulatory Agenda. This item will be presented by Elizabeth Yura, Director of the Rules and Strategic Policy Division.*

**5. Refinery Community and Fenceline Monitoring**

*This is an informational item that will include an overview of current refinery community and fenceline monitoring, as well as opportunities and challenges related to strengthening refinery air monitoring. This item will be presented by Dr. Kate Hoag, Assistant Manager of Ambient Air Quality Analysis in the Meteorology and Measurement Division.*

## **OTHER BUSINESS**

### 6. Public Comment on Non-Agenda Matters

*Pursuant to Government Code Section 54954.3, members of the public who wish to speak on matters not on the agenda will be given an opportunity to address the Committee. Members of the public will have two minutes each to address the Committee, unless a different time limit is established by the Chair.*

### 7. Committee Member Comments

*Any member of the Committee, or its staff, on his or her own initiative or in response to questions posed by the public, may: ask a question for clarification, make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter or take action to direct staff to place a matter of business on a future agenda. (Gov't Code § 54954.2)*

### 8. Time and Place of Next Meeting

*Wednesday, September 13, 2023, at 10:00 a.m. at 375 Beale Street, San Francisco, CA 94105. The meeting will be in-person for the Stationary Source and Climate Impacts Committee members and members of the public will be able to either join in-person or via webcast.*

### 9. Adjournment

*The Committee meeting shall be adjourned by the Chair.*

**CONTACT:**

**MANAGER, EXECUTIVE OPERATIONS**  
**375 BEALE STREET, SAN FRANCISCO, CA 94105**  
[vjohnson@baaqmd.gov](mailto:vjohnson@baaqmd.gov)

**(415) 749-4941**  
**FAX: (415) 928-8560**  
**BAAQMD homepage:**  
[www.baaqmd.gov](http://www.baaqmd.gov)

- Any writing relating to an open session item on this Agenda that is distributed to all, or a majority of all, members of the body to which this Agenda relates shall be made available at the Air District's offices at 375 Beale Street, Suite 600, San Francisco, CA 94105, at the time such writing is made available to all, or a majority of all, members of that body.

**Accessibility and Non-Discrimination Policy**

The Bay Area Air Quality Management District (Air 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, or 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 administered by Air District. 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 the Air District. 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 under this policy. This non-discrimination policy also applies to other people or entities affiliated with Air District, including contractors or grantees that the Air District utilizes 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 an Air District program or activity, 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's Non-Discrimination Coordinator, Suma Peesapati, at (415) 749-4967 or by email at [speesapati@baaqmd.gov](mailto:speesapati@baaqmd.gov).

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
375 BEALE STREET, SAN FRANCISCO, CA 94105  
FOR QUESTIONS PLEASE CALL (415) 749-4941**

**EXECUTIVE OFFICE:  
MONTHLY CALENDAR OF AIR DISTRICT MEETINGS**

**JULY 2023**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Stationary Source and Climate Impacts Committee	Wednesday	12	10:00 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room
Board of Directors Mobile Source and Climate Impacts Committee - <b>Cancelled</b>	Wednesday	12	1:00 p.m.	1 <sup>st</sup> Floor, Yerba Buena Room
Board of Directors Meeting	Wednesday	19	9:00 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Community Equity, Health and Justice Committee - <b>Cancelled</b>	Wednesday	19	1:00 p.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Community Advisory Council	Thursday	20	6:00 p.m.	1 <sup>st</sup> Floor, Yerba Buena Room

**AUGUST 2023**

**NO MEETINGS SCHEDULED**

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Lynda Hopkins and Members  
of the Stationary Source and Climate Impacts Committee

From: Philip M. Fine  
Executive Officer/APCO

Date: July 12, 2023

Re: Approval of the Draft Minutes of the Stationary Source and Climate Impacts  
Committee Meeting of June 21, 2023

RECOMMENDED ACTION

Approve the attached draft minutes of the Stationary Source and Climate Impacts Committee Meeting of June 21, 2023.

BACKGROUND

None.

DISCUSSION

Attached for your review and approval are the draft minutes of the Stationary Source and Climate Impacts Committee meeting of June 21, 2023.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Philip M. Fine  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Vanessa Johnson

ATTACHMENTS:

1. Draft Minutes of the Stationary Source and Climate Impacts Committee Meeting of June 21, 2023

Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105  
(415) 749-5073

Stationary Source & Climate Impacts Committee  
Wednesday, June 21, 2023

## **DRAFT MINUTES**

*This meeting was webcast, and a video recording is available on the website of the Bay Area Air Quality Management District at [www.baaqmd.gov/bodagendas](http://www.baaqmd.gov/bodagendas)*

### **CALL TO ORDER**

1. **Opening Comments:** Stationary Source and Climate Impacts Committee (Committee) Chairperson, Lynda Hopkins, called the meeting to order at 11:18 a.m.

#### **Roll Call:**

Present, In-Person (Bay Area Metro Center, 375 Beale Street, 1<sup>st</sup> Floor Board Room, San Francisco, California, 94105): Committee Chairperson Lynda Hopkins; Vice Chairperson David Haubert; Board Chairperson John J. Bauters; and Directors Ken Carlson, Noelia Corzo, Tyrone Jue, and Myrna Melgar.

Present, In-Person Satellite Location (County of Santa Clara, 70 West Hedding Street, 10<sup>th</sup> Floor, East Wing Conference Room, San Jose, California, 95110): Director Otto Lee.

Present, In-Person Satellite Location (Office of Contra Costa County Supervisor, John Gioia, Conference Room, 11780 San Pablo Ave., Suite D, El Cerrito, CA 94530): Directors John Gioia and Mark Ross.

Present, In-Person Satellite Location (City of Palo Alto City Hall, 250 Hamilton Ave., 7th Floor, Palo Alto, CA 94301): Director Vicki Veenker.

Absent: None.

2. **PLEDGE OF ALLEGIANCE**



### **CONSENT CALENDAR**

#### **3. APPROVAL OF THE DRAFT MINUTES OF THE STATIONARY SOURCE AND CLIMATE IMPACTS COMMITTEE MEETING OF MAY 10, 2023**

##### Public Comments

No requests received.

##### Committee Comments

None.

##### Committee Action

Vice Chair Haubert made a motion, seconded by Director Carlson, to **approve** the Minutes of the Stationary Source and Climate Impacts Committee Meeting of May 10, 2023; and the motion **carried** by the following vote of the Committee:

AYES:	Bauters, Carlson, Corzo, Gioia, Haubert, Hopkins, Jue, Melgar, Ross, Veenker.
NOES:	None.
ABSTAIN:	None.
ABSENT:	Lee.

### **INFORMATIONAL ITEMS**

#### **4. HEALTH AND EQUITY ASSESSMENTS FOR RULEMAKING**

Song Bai, Manager in the Assessment, Inventory, and Modeling Division, gave the staff presentation *Health and Equity Assessments for Rulemaking*, including: outcomes; outline; modeling assessments can link proposed emission reductions to impact reductions; emissions to health effects; modeling shows the links; assessment to support rules; example: Rule 6-5: Particulate Emissions from Refinery Fluidized Catalytic Cracking Units (FCCUSs) - modeled Particulate Matter (PM)<sub>2.5</sub> from Chevron and Martinez Refining Company, equity assessment, and health benefits and valuations; example: Rules 9-4 and 9-6: Nitrogen oxides (NOx) from natural gas space and water heaters - modeled PM<sub>2.5</sub> reductions with electric appliances and exposure, equity assessment, and health benefits and valuations; and summary and next steps.

##### Public Comments

Public comments were given by Tim Frank, Contra Costa Building and Construction Trades Council.

NOTED PRESENT: Director Lee was noted present at 11:20 a.m.

Committee Comments

The Committee and staff discussed whether the Air District seeks data that would provide greater resolution on modeling; modeling methods utilized by other California air districts; whether there would be benefits to obtaining additional mobile source emissions data or conducting site specific measurements, even though the Air District cannot regulate mobile source emissions; how to distinguish health outcomes based on where people work, versus live; the fact that emissions levels change depending on vehicle activity; ranges of health benefits and valuations across various health impacts; the suggestion of reaching out to academic institutions that may be interested in studying high resolution, mobile source data collected by technology companies; the desire to address the cognitive aspect of health impacts in the Air District's work; ways in which the Air District can encourage other air districts to advocate for improved health and equity assessments at the state or federal levels; whether the Air District's current health impacts model tracks age and pregnancy data; the suggestion that the Board adopts a policy requiring health analyses in the Air District's rule development process; and the suggestion of prioritizing the Air District's rulemakings based on the data in overburdened communities.

Committee Action

None; receive and file.

**5. OVERVIEW OF SOCIOECONOMIC ANALYSES FOR AIR DISTRICT RULEMAKING**

David Joe, Assistant Manager in the Rules in Strategic Policy Division, and Leonid Bak, Economist, gave the staff presentation *Overview of Socioeconomic Analyses for Air District Rulemaking*, including: outcome; outline; requested action; rule development background; statutory requirements; overview of socioeconomic analyses; current process; limitations of the current process; and improvements to socioeconomic analyses.

Public Comments

Public comments were given by Tim Frank, Contra Costa Building and Construction Trades Council; and Bill Whitney, Contra Costa Building and Construction Trades Council.

Committee Comments

The Committee and staff discussed a request for the Air District's response to the socioeconomic analysis language that was proposed by various building trade councils in March 2023; the way in which the Air District works with industry on its cost effectiveness process; how the Air District will decide when to utilize the vendors that were selected from the 2022 Request for Proposals solicitation to provide socioeconomic support services; and things that are not measured by the Air District's current socioeconomic analyses.

Committee Action

None; receive and file.

**OTHER BUSINESS**

**6. PUBLIC COMMENT ON NON-AGENDA MATTERS**

No requests received.

**7. COMMITTEE MEMBER COMMENTS**

None.

**8. TIME AND PLACE OF NEXT MEETING**

Wednesday, July 12, 2023, at 10:00 a.m. at 375 Beale Street, San Francisco, CA 94105. The meeting will be in-person for the Stationary Source and Climate Impacts Committee members and members of the public will be able to either join in-person or via webcast.

**9. ADJOURNMENT**

The meeting was adjourned at 1:02 p.m.

Marcy Hiratzka  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Lynda Hopkins and Members  
of the Stationary Source and Climate Impacts Committee

From: Philip M. Fine  
Executive Officer/APCO

Date: July 12, 2023

Re: Mid-Year Review of the 2023 Regulatory Agenda

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

As described in the Fiscal Year Ending (FYE) 2024 Budget, the Activities and Major Objectives for the Rules and Strategic Policy Division are as follows:

- Continue to develop amendments to Rule 9-4 and 9-6 Building Appliances to reduce NOx emissions and support the development of a multiple stakeholder working group to support implementation of the amended rules if they are adopted by the Board. Target delivery date for rule amendments: March 2023.
- Continue to develop amendments to Rule 8-8: Wastewater Collection and Separation Systems to reduce organic compounds. Target delivery date for amendments: December 2023.
- Continue to develop amendments to 8-18: Equipment Leaks to reduce organic compounds. Target delivery date for amendments: December 2023.
- Begin evaluating Rule 11-18: Reduction of Risk from Air Toxic Emissions at Existing Facilities for potential amendments to streamline and expedite regulatory implementation.
- Develop a white paper on fugitive dust. Target delivery date: April 2023.
- Develop a white paper on metal recycling and shredding operations. Target delivery date: September 2023.
- Continue supporting AB 617 communities as they develop Community Emissions Reduction Plans by providing staff resources to help the Steering Committees develop and prioritize emissions reduction measures.
- Perform new source evaluations (white papers) as resources allow.

## DISCUSSION

An overview of the status of each of the 2023 Rulemaking Activities/Objectives is listed below.

### **Amendments to Rules 9-4 and 9-6: Residential and Commercial Appliances**

*Background:* Staff proposed rule amendments to further reduce oxides of nitrogen (NO<sub>x</sub>) emissions from residential appliances. These sources are addressed through Rule 9-4: Residential Furnaces and Rule 9-6: Gas-Fired Water Heaters. The amendments matched ultra-low NO<sub>x</sub> standards currently required by South Coast Air Quality Management District and San Joaquin Valley Unified Air Pollution Control District, as well as introduced a longer-term zero-NO<sub>x</sub> emission standard.

*Status and Next Steps:* Rule amendments were approved by the Board of Directors at a Public Hearing on March 15, 2023. As part of the recent amendments, the Air District committed to convene an Implementation Working Group (IWG). The IWG is composed of over 40 invited stakeholders representing a variety of stakeholder segments. The purpose of the IWG is to provide input to Air District staff's periodic reports to the Board of Directors on the implementation of these Rules and to provide the Air District staff with insights on the technical readiness of the market and equitable transition to compliant appliances, so as to not unduly burden any income class or professional group. As such, the IWG will provide a forum for invited members to discuss technical and equity aspects of implementing the Building Appliances Rules.

The Implementation Working Group held its first plenary session On May 23, 2023, to discuss background of the rule development process, the structure of the working group moving forward, and goals for the working group. The technical and equity subcommittees of the IWG are currently planning for their first meetings to occur later this summer.

### **Finalize Remaining AB 617 Expedited BARCT Implementation Schedule Rules**

#### Amendments to Rule 8-8: Wastewater Collection and Separation Systems

*Background:* Regulation 8: Organic Compounds, Rule 8: Wastewater Collection and Separation Systems (Rule 8-8) was selected as one of the six high-priority rule development projects on the AB 617 Expedited BARCT Implementation Schedule for high emissions of volatile organic compounds per year based on the Air District's emissions inventory. Staff released a request for comments package for public review on May 8, 2023, which included a Preliminary Staff Report and draft amendments to Rule 8-8. Staff met with community members, and with members of the Western States Petroleum Association, to discuss potential concerns in June.

*Status and Next Steps:* Staff is currently considering comments received on the draft amendments and is working towards an update to the Stationary Source and Climate Impacts Committee in the third quarter of 2023. Staff anticipates bringing these amendments before the Board of Directors for consideration in the fourth quarter of 2023.

### Amendments to Rule 8-18: Equipment Leaks

*Background:* Regulation 8, Rule 18: Equipment Leaks (Rule 8-18) is also one of the rule development projects on the AB 617 Expedited BARCT Implementation Schedule and would address emissions of reactive organic gases (ROG) from petroleum refineries, chemical plants, bulk terminals and bulk plants, and other facilities that store, transport, and use organic liquids. Amendments to Rule 8-18 in December 2015 addressed equipment that service heavy liquids at these sources, but those amendments were not fully implemented due to uncertainty regarding proper emissions factors for heavy liquid fugitive emissions. Air District staff coordinated with each of the five Bay Area refineries to conduct a Heavy Liquid Leak Study, which was designed to determine appropriate emission factors for heavy liquid leaks. The results of these studies were finalized in April 2022, and staff began working on amendments to the monitoring requirements.

*Status and Next Steps:* Staff anticipates releasing draft regulatory language and updating the Stationary Source and Climate Impacts Committee in the third or fourth quarter of 2023 and expects to bring these amendments before the Board of Directors for consideration in the fourth quarter of 2023 or first quarter of 2024.

### **Amendments to Rule 11-18: Reduction of Risk from Air Toxic Emissions at Existing Facilities**

*Background:* At the Stationary Source and Climate Impacts Committee on February 28, 2022, staff gave a presentation on the implementation status of Regulation 11, Rule 18: Reduction of Risk from Air Toxic Emissions at Existing Facilities (Rule 11-18). At the meeting, Committee and staff discussed potential strategies to accelerate implementation of Rule 11-18, and the consensus of the Committee members present was to recommend that Air District staff recommend to the Board that additional staff be hired to shorten the estimated time of completion of Health Risk Analyses. In addition, the Committee recommended that staff bring back a discussion on how potential Rule 11-18 amendments fit within staff's current rulemaking priorities.

Staff presented a mid-year update on rule development efforts, including Rule 11-18 amendment efforts, to the Stationary Source and Climate Impacts Committee on June 13, 2022. After reviewing current priorities, staff recommended moving forward with potential amendments to Rule 11-18.

*Status and Next Steps:* Staff continues to develop regulatory concepts and anticipates beginning public engagement and updating the Stationary Source and Climate Impacts Committee in the third or fourth quarter of 2023.

## **White papers on sources from the AB 617 West Oakland Action Plan**

### Fugitive Dust White Paper

*Background:* The impacts of particulate matter were a focus during the AB 617 Community Emissions Reduction Planning (CERP) Process in West Oakland. The CERP, *Owning Our Air: The West Oakland Community Action Plan (WOCAP)*, included a Further Study Measure that states that "The Air District will investigate potential rulemaking to limit fugitive dust from construction activity" (Further Study Measure #3). Staff is currently investigating ways to further reduce particulate matter emissions that are consistent with the Air District's authority under that California Health and Safety Code, including potential measures to further reduce emissions and public exposure from particulate matter sources, such as construction sites and concrete batch plants.

At the Stationary Source and Climate Impacts Committee in April 2023, staff released the Fugitive Dust White Paper and shared the findings of the report. The report reviewed existing Air District particulate matter programming, focusing on fugitive dust, and identified potential strategies and recommendations for program improvements and future rule development efforts. During the presentation, staff received feedback from board members for the desire for additional collaboration with cities and counties to find ways to strengthen and streamline fugitive dust requirements.

*Status and Next Steps:* Staff are in the process of taking concepts from the white paper and developing draft regulatory language and anticipate more community engagement and workshops later this year.

### Metal Recycling White Paper

*Background:* The impacts of fugitive particulate matter from metal recycling were a focus of the WOCAP, which included a Stationary Source Strategy that states that "The Air District also will consider potential amendments to Rule 6-4, Metal Recycling and Shredding Operations, and Rule 12-13, Foundry and Forging Operations, to further reduce fugitive particulate matter emissions" (Strategy #68). Earlier this year, staff began working on a white paper with the goal of identifying gaps and recommending improvements in the Air District's current regulations for this source.

*Status and Next Steps:* Staff will continue working on the development of the metal recycling white paper, as well as conducting the relevant research and outreach. Staff anticipates bringing the white paper before the Stationary Source and Climate Impacts Committee in the fourth quarter of 2023.

**Continue supporting the AB 617 Community Emissions Reduction Planning (CERP) process in Richmond-North Richmond-San Pablo, and East Oakland**

*Background:* Rule development staff are participating in the development of multiple CERPs throughout the Bay Area.

*Status and Next Steps:* Staff will continue to support these processes throughout the development state and into implementation as needed.

**New Projects**

As current projects are completed and staffing resources become available, staff will transition their time to work on the projects below.

Additional White Papers: Staff will look at the WOCAP and will develop white papers based on these measures. The list of measures for analysis include reducing emissions from autobody operations, wastewater treatment plants and anaerobic digestion facilities, commercial cooking, and woodburning. Once the Richmond-North Richmond-San Pablo CERP is approved, staff will incorporate the applicable stationary source strategies from that CERP into this queue.

Engagement with the Bayview Hunters Point AB 617 Steering Committee: With the approval of Bayview Hunters Point as the Bay Area’s fourth AB 617 community, staff is proposing to devote resources to supporting their strategy development as needed.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

None.

Respectfully submitted,

Philip M. Fine  
Executive Officer/APCO

Prepared by: Elizabeth Yura  
Reviewed by: Greg Nudd

**ATTACHMENTS:**

None



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Lynda Hopkins and Members  
of the Stationary Source and Climate Impacts Committee

From: Philip M. Fine  
Executive Officer/APCO

Date: July 12, 2023

Re: Refinery Community and Fenceline Monitoring

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

While the Air District operates numerous ambient air monitoring stations across the Bay Area, the data from those stations do not reflect pollutant concentrations at every location. Furthermore, exposure to pollution varies from place to place and some communities near large industrial facilities may bear a disproportionate burden from a unique mix of sources of air emissions or other forms of pollution. Additional steps are often needed to better understand and address cumulative environmental concerns in these frontline communities, including near the refineries in the Bay Area.

DISCUSSION

Staff will provide an update on fenceline and near-source air monitoring at Bay Area refineries. Fenceline air monitoring at refineries is used to measure specific pollutants that cross the facility's fenceline in real time. The systems have the ability to monitor, record, and report levels of multiple air pollutants. The Air District has a Major Stationary Source Community Air Monitoring Program with a goal of enhancing air monitoring in communities where large stationary sources of pollution may contribute to near-source impacts that are not captured by the Air District's existing network. In addition to an overview of current refinery community and fenceline monitoring, the presentation will also include opportunities and challenges related to strengthening refinery air monitoring.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Philip M. Fine  
Executive Officer/APCO

Prepared by: Ranyee Chiang, Kate Hoag  
Reviewed by: Greg Nudd

ATTACHMENTS:

None