



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
ROB RENNIE

DAVID HAUBERT – VICE CHAIR
NOELIA CORZO
TYRONE JUE
MYRNA MELGAR
MARK ROSS

THIS MEETING WILL BE CONDUCTED UNDER PROCEDURES AUTHORIZED BY ASSEMBLY BILL 361 (RIVAS 2021) ALLOWING REMOTE MEETINGS. THIS MEETING WILL BE ACCESSIBLE VIA WEBCAST, TELECONFERENCE, AND ZOOM. A ZOOM PANELIST LINK WILL BE SENT SEPARATELY TO COMMITTEE OR BOARD MEMBERS

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- **THE PUBLIC MAY PARTICIPATE REMOTELY VIA ZOOM AT THE FOLLOWING LINK OR BY PHONE**

<https://bayareametro.zoom.us/j/81753665266>

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WEBINAR ID: 817 5366 5266

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STATIONARY SOURCE AND CLIMATE IMPACTS COMMITTEE MEETING AGENDA

WEDNESDAY, FEBRUARY 8, 2023

9:00 AM

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

2. **Pledge of Allegiance**

3. **Public Meeting Procedure**

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

This meeting will be webcast. To see the webcast, please visit www.baaqmd.gov/bodagendas at the time of the meeting. Closed captioning may contain errors and omissions and are not certified for their content or form.

***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 matters on the agenda for the meeting, will have two minutes each to address the Committee. No speaker who has already spoken on that item will be entitled to speak to that item again.*

CONSENT CALENDAR (Item 4)

4. Approval of the Minutes of the Stationary Source and Climate Impacts Committee Meeting of November 21, 2022

The Committee will consider approving the draft minutes of the Stationary Source and Climate Impacts Committee Meeting of November 21, 2022.

ACTION ITEM(S)

5. Air Monitoring and Modeling of Incidents: Options and Next Steps, Formation of an Ad Hoc Committee

This is an action item. Ranyee Chiang, PhD, Director of Meteorology and Measurement will give an update on the development of an incident response and monitoring program and the Committee will consider whether to create an ad hoc committee to help guide the staff in the development of the program.

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 for the meeting, will have five minutes each to address the Committee.

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

March 6, 2023, at 9:00 a.m. The meeting will also be webcast for members of the public.

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

(415) 749-4941
FAX: (415) 928-8560
BAAQMD homepage:
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 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.

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

FEBRUARY 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	8	9:00 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Mobile Source and Climate Impacts Committee - CANCELLED	Wednesday	8	1:00 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Meeting	Wednesday	15	9:00 a.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Community Equity, Health and Justice Committee	Wednesday	15	1:00 p.m.	Webcast only pursuant to Assembly Bill 361
Board of Directors Legislative Committee - CANCELLED	Wednesday	15	3:30 p.m.	Webcast only pursuant to Assembly Bill 361
Path to Clean Air Community Emissions Reduction Plan Steering Committee	Monday	27	5:30 p.m.	Webcast only pursuant to Assembly Bill 361

HL 2/1/2023 – 4:35 p.m.

G/Board/Executive Office/Moncal

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

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

From: Sharon L. Landers
Interim Executive Officer/APCO

Date: February 8, 2023

Re: Approval of the Minutes of the Stationary Source and Climate Impacts Committee
Meeting of November 21, 2022

RECOMMENDED ACTION

Approve the attached draft minutes of the Stationary Source and Climate Impacts Committee Meeting of November 21, 2022.

BACKGROUND

None.

DISCUSSION

Attached for your review and approval are the draft minutes of the Stationary Source and Climate Impacts Committee Meeting of November 21, 2022.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Sharon L. Landers
Interim 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 November 21, 2022

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

DRAFT MINUTES

Stationary Source and Climate Impacts Committee Meeting
Monday, November 21, 2022

This meeting was conducted under procedures in accordance with Assembly Bill 361 (Rivas 2021). Members of the Committee participated by teleconference.

1. CALL TO ORDER – ROLL CALL

Stationary Source and Climate Impacts Committee (Committee) Chairperson, Lynda Hopkins, called the meeting to order at 9:04 a.m.

Present: Committee Chairperson Lynda Hopkins; Vice Chairperson David Haubert; and Directors John Gioia, Tyrone Jue, Nate Miley, Karen Mitchoff, Rob Rennie, and Mark Ross.

Absent: Directors John J. Bauters and Davina Hurt.

2. PLEDGE OF ALLEGIANCE

3. PUBLIC MEETING PROCEDURE

4. APPROVAL OF THE MINUTES OF OCTOBER 17, 2022

NOTED PRESENT: Director Ross was noted present at 9:08 a.m.

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Director Rennie made a motion, seconded by Director Gioia, to approve the Minutes of October 17, 2022; and the motion carried by the following vote of the Committee:

AYES: Gioia, Hopkins, Jue, Mitchoff, Rennie, Ross.
NOES: None.
ABSTAIN: None.
ABSENT: Bauters, Haubert, Hurt, Miley.

5. AIR MONITORING DURING INCIDENTS: PROGRAMS AT SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Dr. Ranyee Chiang, Director of Meteorology and Measurement, introduced Dr. Jason Low, Deputy Executive Officer of the Monitoring and Analysis Division at the South Coast Air Quality Management District (SCAQMD), who gave the presentation *Air Monitoring During Incidents; Programs at the South Coast Air Quality Management District*, including: presentation for information only; proposed discussion plan: considering an incident monitoring program; approaches and tools for incident response and community air monitoring; SCAQMD and its ambient air monitoring network; incident response and community air monitoring comparison; air quality incidents; incident response program; incident command system; incident response operation; variety of air measurement methods; how to select the right tools for air monitoring; characteristics of different measuring methods; Dominguez Channel odor event; public communication; motivation for community-level efforts; California State Assembly Bill (AB) 617; air quality concerns and priorities; community air monitoring objectives; general air monitoring approach; community air monitoring plans and oil well example; community air monitoring dashboard; additional communication; and summary.

NOTED PRESENT: Director Miley was noted present at 9:20 a.m.

Public Comments

Public comments were given by Marilyn Bardet, Benicia resident; Dr. Stephen Rosenblum, Palo Alto resident; Ken Szutu, Citizen Air Monitoring Network of Vallejo; Jan Warren, Interfaith Climate Action Network of Contra Costa County; Kathy Kerridge, Benicia resident; and Jed Holtzman, San Francisco resident.

Committee Comments

The Committee and staff discussed whether the Air District has a response plan that dictates the Air District's order of operations; whether the Air District holds internal trainings to prepare for incidents; SCAQMD's quality assurance plan for AB 617; SCAQMD's work with local county health directors; to what extent the SCAQMD has been able to address idling cargo ships or oil spills on disadvantaged communities with port entities outside of the SCAQMD's jurisdiction; how frequently the SCAQMD employs its Incident Response Program; data accessibility and challenges; how the Bay Area Air Quality Management District's (BAAQMD) current incident response practices compare to those of the SCAQMD, and what it would cost for the BAAQMD to implement a similar program; which entities pay for incident response direct costs in the SCAQMD's jurisdiction; annual costs for the SCAQMD's Incident Response Program, and the SCAQMD's cost recovery methods; concerns that Air District communications downplay the severity of incidents; concerns about a lack of coordination between agencies during incident responses; whether there are opportunities to pursue funding from the Federal Emergency Management Agency and the US Department of Homeland Security for emergency response

management and infrastructure; the suggestion that the Air District’s Community Engagement Division refine emergency response proposals/recommendations for the public’s review; and the desire to include budget requests for the next Fiscal Year to address these concerns.

Committee Action

None; receive and file.

6. FUGITIVE DUST EMISSIONS OVERVIEW

Dr. Song Bai, PhD, Emissions and Community Exposure Assessment Section Manager, gave the staff presentation *Fugitive Dust Emissions Overview*, including: outcome; outline; presentation for information only; fugitive dust key concepts; sources of fugitive dust; Bay Area Emissions Inventory (Year 2021) Particulate Matter (PM)₁₀ and _{2.5}; industrial emissions; Bay Area on-road mobile source PM_{2.5} emissions; construction emissions; evaluating exposures; health impacts; and fugitive dust – a growing concern.

Public Comments

Public comments were given by Jan Warren, Interfaith Climate Action Network of Contra Costa County; Ken Szutu, Citizen Air Monitoring Network of Vallejo; and Dr. Bonnie Hamilton, Solano County resident.

Committee Comments

The Committee and staff discussed whether the amount of PM_{2.5} that is due to residential wood burning (listed in the Bay Area Emissions Inventory) is based on annual tons of emissions, versus seasonal; the proportion of woodsmoke generated in the Bay Area during the winter months; and whether the Air District has observed trends in inventory composition over time.

Committee Action

None; receive and file.

7. FUGITIVE DUST CONTROLS AND PROGRAMS OVERVIEW

Mark Tang, Principal Environmental Planner, and Eric Lara, Senior Air Quality Specialist, gave the staff presentation Fugitive Dust Controls and Programs Overview, including: outcome; outline; presentation for information only; background; fugitive dust control measures; Air District fugitive dust activities and programs; other fugitive dust reduction strategies; evaluating opportunities for program improvements; fugitive dust white paper process; evaluating potential opportunities; and next steps.

Public Comment

Public comments were given by Ken Szutu, Citizen Air Monitoring Network of Vallejo.

Committee Comments

The Committee and staff discussed ways in which the Air District is engaging with local and county agencies and industry about this issue; whether any of the proposed fugitive dust control measures utilize recycled water; and potential policy implications involving affordable housing.

Committee Action

None; receive and file.

8. PUBLIC COMMENT ON NON-AGENDA MATTERS

No requests received.

9. COMMITTEE MEMBER COMMENTS

None.

10. TIME AND PLACE OF NEXT MEETING

At the end of the meeting, the next meeting was to be held at the Call of the Chair, but after the meeting adjourned, the next meeting was scheduled for Wednesday, February 8, 2023, at 9:00 a.m., via webcast, teleconference, and Zoom, under procedures authorized by Assembly Bill 361 (Rivas 2021) allowing remote meetings.

11. ADJOURNMENT

The meeting adjourned at 12:05 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: Sharon L. Landers
Interim Executive Officer/APCO

Date: February 8, 2023

Re: Air Monitoring and Modeling of Incidents: Options and Next Steps, Formation of an
Ad Hoc Committee

RECOMMENDED ACTION

Staff requests that the Committee recommend to the Board Chair the appointment of an ad hoc committee to help guide the development of a possible incident response monitoring and/or modeling program. This ad hoc committee would report back to the full Board.

BACKGROUND

When there is an incident (e.g. facility incident, odors, flaring, wildfire), the Air District often gets requests to conduct monitoring during and around the incident from community members and other government officials. There is some measurement information that the Air District collects during incidents, but there are many gaps in current capabilities. Air District's current measurement capabilities are mainly designed for other goals. Also, the Air District is sometimes asked to perform computer modeling of incidents after the fact. When this modeling work is done, it competes with other priorities such as permit issuance, Rule 11-18 implementation, and rule development. The Air District does not have a comprehensive and dedicated incident monitoring and modeling program.

Air District staff presented to the Stationary Source and Climate Impacts Committee in September 2022 on current monitoring capabilities and relevance to incidents. Dr. Jason Low from the South Coast Air Quality Management District presented to the Stationary Source and Climate Impacts Committee on November 2022, with an overview of their incident response monitoring capabilities and community-focused monitoring programs, including operational logistics, resources, how results are communicated, as well as challenges and limitations. These presentations were intended to help the Board evaluate whether to prioritize incident monitoring, including relative to current regulatory requirements and commitments or other potential priorities. Committee members wanted to see an accelerated timeline for incident monitoring in the Bay Area, with staff recommending monitoring approaches.

DISCUSSION

Air District staff have analyzed and assessed the components of an incident response monitoring and modeling program. This analysis was based on the monitoring and modeling experience of current Air District staff and can leverage some existing functions through the Communications, Compliance & Enforcement, Health, and My Air Online programs. The components of this possible new incident monitoring and modeling program can be combined in different configurations depending on priorities with corresponding resulting costs, functionality, benefits and limitations.

Based on Air District experience, current functions, and lessons from other organizations, there would still be limitations to even the most robust and expensive program. Not all types of incidents will be able to be addressed, monitoring and modeling may still miss pollution from incidents, results may not be real-time which limits information for impacting actions during incidents, and there will be limited information about health impacts. There are large uncertainties in modeling due to incomplete input information, especially for short duration incidents. For both modeling and monitoring, there is a weak linkage with incident prevention. The number and duration of future incidents is unknown, but the prior history of incidents in the Bay Area shows them to be relatively infrequent and of short duration. Staff safety will continue to be a priority, and will be an important consideration when developing monitoring plans. Program implementation will also depend on timelines for hiring, procurement (including supply-chain delays) as well as securing space for new employees and equipment.

Costs for a new program could be recovered through a new fee. A decision regarding a new fee proposal will need to be made by the end of March 2023 to meet the schedule requirements for the fee rulemaking process. There is an existing Incident Response Fee, and the costs to respond to a specific incident would still be charged to that facility.

Air District staff are requesting that an ad hoc committee be assigned to work with staff in considering the options for program design and developing a proposal for Board consideration for the next fiscal year and to be included in the strategic planning process anticipated to begin in March of 2023. Staff recommend that this be an ad hoc committee of the Board of Directors, and not a subcommittee of the Stationary Source and Climate Impacts Committee, as these issues are cross-cutting and involve the purview of multiple Board Committees, including the Budget and Finance Committee and the Community Equity, Health and Justice Committee. Per Division I, Section 6.1 of the Administrative Code, the Chairperson of the Board has the authority to appoint special committees such as this proposed ad hoc committee. Staff request that the Stationary Source and Climate Impacts Committee recommend appointment of this ad hoc committee to the Chairperson of the Board of Directors.

BUDGET CONSIDERATION/FINANCIAL IMPACT

Any costs for this program would need to be incorporated into the Fiscal Year Ending 2024 and future budgets.

Respectfully submitted,

Sharon L. Landers
Interim Executive Officer/APCO

Prepared by: Ranyee Chiang
Reviewed by: Greg Nudd

ATTACHMENTS:

None