



BOARD OF DIRECTORS  
CLIMATE PROTECTION COMMITTEE  
COMMITTEE MEMBERS

**BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT**

TERESA BARRETT – CHAIR  
MARGARET ABE-KOGA  
SCOTT HAGGERTY  
KATIE RICE  
BRAD WAGENKNECHT

ROD SINKS - VICE CHAIR  
JOHN GIOIA  
DAVID HUDSON  
MARK ROSS

**THURSDAY  
NOVEMBER 16, 2017  
9:30 A.M.**

**1<sup>ST</sup> FLOOR BOARD ROOM  
375 BEALE STREET  
SAN FRANCISCO, CA 94105**

**AGENDA**

**1. CALL TO ORDER - ROLL CALL – PLEDGE OF ALLEGIANCE**

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

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

*(Public Comment on Non-Agenda Items Pursuant to Government Code § 54954.3) Members of the public are afforded the opportunity to speak on any agenda item. All agendas for regular meetings are posted at Air District headquarters, 375 Beale Street, San Francisco, CA, at least 72 hours in advance of a regular meeting. At the beginning of the regular meeting agenda, an opportunity is also provided for the public to speak on any subject within the Committee's subject matter jurisdiction. Speakers will be limited to three (3) minutes each.*

*This meeting will be webcast. To see the webcast, please visit <http://www.baaqmd.gov/about-the-air-district/board-of-directors/resolutionsagendasminutes> at the time of the meeting. Closed captioning may contain errors and omissions, and are not certified for their content or form.*

**Staff/Phone (415) 749-**

**3. APPROVAL OF THE MINUTES OF SEPTEMBER 21, 2017**

**Clerk of the Boards/5073**

*The Committee will consider approving the draft minutes of the Climate Protection Committee meeting of September 21, 2017.*

4. **AB 398 AND THE AIR DISTRICT 2017 CLEAN AIR PLAN** J. Roggenkamp/4646

[jroggenkamp@baaqmd.gov](mailto:jroggenkamp@baaqmd.gov)

*Staff will brief the Committee on how recent state legislation – AB 398 – may influence the Air District’s 2017 Clean Air Plan: Spare the Air, Cool the Climate.*

5. **CALIFORNIA AIR RESOURCES BOARD DRAFT 2017 CLIMATE CHANGE SCOPING PLAN UPDATE** J. Roggenkamp/4646

[jroggenkamp@baaqmd.gov](mailto:jroggenkamp@baaqmd.gov)

*Staff will brief the Committee on CARB’s recently released draft 2017 Climate Change Scoping Plan update.*

6. **COMMITTEE MEMBER COMMENTS / OTHER BUSINESS**

*Any member of the Board, 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)*

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

*Thursday, January 18, 2017, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.*

8. **ADJOURNMENT**

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

## **CONTACT:**

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

**(415) 749-5016**  
**FAX: (415) 928-8560**  
**BAAQMD homepage:**  
[www.baaqmd.gov](http://www.baaqmd.gov)

- To submit written comments on an agenda item in advance of the meeting. Please note that all correspondence must be addressed to the “Members of the Climate Protection Committee” and received at least 24 hours prior, excluding weekends and holidays, in order to be presented at that Board meeting. Any correspondence received after that time will be presented to the Board at the following meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- 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 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, Rex Sanders, at (415) 749-4951 or by email at [rsanders@baaqmd.gov](mailto:rsanders@baaqmd.gov).

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
375 BEALE STREET, SAN FRANCISCO, CALIFORNIA 94105  
FOR QUESTIONS PLEASE CALL (415) 749-5016 or (415) 749-4941**

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

**NOVEMBER 2017**

<b><u>TYPE OF MEETING</u></b>	<b><u>DAY</u></b>	<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>ROOM</u></b>
<b>Board of Directors Nominating Committee</b> <i>(At the Call of the Chair)</i>	Wednesday	15	9:15 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	15	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Climate Protection Committee</b> <i>(Meets on the 3<sup>rd</sup> Thursday of every other Month)</i>	Thursday	16	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> - CANCELLED AND RESCHEDULE TO THURSDAY, DECEMBER 14, 2017 AT 9:30 A.M.	Thursday	16	10:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	20	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i> - CANCELLED	Wednesday	22	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i> - CANCELLED AND RESCHEDULED TO THURSDAY, DECEMBER 7, 2017 AT 9:30 A.M. IN THE YERBA BUENA CONFERENCE ROOM, 1 <sup>ST</sup> FLOOR	Thursday	23	9:30 a.m.	1 <sup>st</sup> Floor Board Room

**DECEMBER 2017**

<b><u>TYPE OF MEETING</u></b>	<b><u>DAY</u></b>	<b><u>DATE</u></b>	<b><u>TIME</u></b>	<b><u>ROOM</u></b>
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	6	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	7	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Thursday	7	10:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Thursday	14	9:30 a.m.	1 <sup>st</sup> Floor Board Room

## DECEMBER 2017

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> - CANCELLED AND RESCHEDULED TO THURSDAY, DECEMBER 14, 2017 AT 9:30 A.M.	Monday	18	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> - CANCELLED	Monday	18	10:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Personnel Committee</b> <i>(At the Call of the Chair)</i>	Monday	18	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	20	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i> - CANCELLED AND RESCHEDULED TO THURSDAY, DECEMBER 7, 2017 AT 10:30 A.M.	Wednesday	27	9:30 a.m.	1st Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i> - CANCELLED AND RESCHEDULED TO THURSDAY, DECEMBER 7, 2017 AT 9:30 A.M.	Thursday	28	9:30 a.m.	1 <sup>st</sup> Floor Board Room

## JANUARY 2018

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> - CANCELLED	Wednesday	3	9:45 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> - CANCELLED	Monday	15	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i> - CANCELLED	Monday	15	10:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Mtg. / Retreat</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	17	9:45 a.m.	TBD
<b>Board of Directors Climate Protection Committee</b> <i>(Meets on the 3<sup>rd</sup> Thursday of every other Month)</i>	Thursday	18	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	24	9:30 a.m.	1st Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	25	9:30 a.m.	1 <sup>st</sup> Floor Board Room

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Teresa Barrett and Members  
of the Climate Protection Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 7, 2017

Re: Approval of the Minutes of September 21, 2017

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RECOMMENDED ACTION

Approve attached draft minutes of the Climate Protection Committee (Committee) meeting of September 21, 2017.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of September 21, 2017.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Maricela Martinez

Attachment 3A: Draft Minutes of the Committee meeting of September 21, 2017

## AGENDA 3A – ATTACHMENT

Draft Minutes – Climate Protection Committee Meeting of September 21, 2017

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

### **DRAFT MINUTES**

Summary of Board of Directors  
Climate Protection Committee Meeting  
Thursday, September 21, 2017

#### **1. CALL TO ORDER – ROLL CALL**

Climate Protection Committee (Committee) Chairperson, Teresa Barrett, called the meeting to order at 9:35 a.m.

Present: Chairperson Teresa Barrett; Vice-Chairperson Rod Sinks; and Directors Margaret Abe-Koga, John Gioia, Scott Haggerty, Katie Rice, Mark Ross, and Brad Wagenknecht.

Absent: Director David Hudson.

#### **2. PUBLIC COMMENT ON NON-AGENDA MATTERS**

Public comments were given by Janet Stromberg, 350 Bay Area.

#### **3. APPROVAL OF THE MINUTES OF JULY 20, 2017**

Public Comments:

No requests received.

Committee Comments:

None.

Committee Action:

Vice Chair Sinks made a motion, seconded by Director Rice, to approve the minutes of July 20, 2017; and the motion carried by the following vote of the Committee:

AYES: Abe-Koga, Barrett, Gioia, Haggerty, Rice, Ross, Sinks, and Wagenknecht.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Hudson.

**4. UPDATE ON THE AIR DISTRICT’S BASIN-WIDE METHANE STRATEGY (OUT OF ORDER, ITEM 5)**

Jean Roggenkamp, Deputy Executive Officer, introduced Idania Zamora, Senior Engineer, who gave the staff presentation *Update on the Air District’s Basin-Wide Methane Strategy*, including: outline; why focus on methane; methane in the Bay Area: current inventory, and scientific findings; basin-wide methane strategy: coordination framework, optimization tools, planning & climate efforts, and regulatory efforts; methane research efforts led by the Air District; Draft Regulation 13-2: General Methane Leak Prohibition; Regulation 8, Rule 37: Crude Oil and Natural Gas Production; new rule: Composting Operations; and implementation timeline.

NOTED PRESENT: Director Wagenknecht was noted present at 9:47 a.m.; Director Haggerty was noted present at 9:48 a.m.; and Director Ross was noted present at 9:50 a.m.

Public Comments:

Public comments were given by Jed Holtzman and Janet Stromberg of 350 Bay Area.

Committee Comments:

The Committee and staff discussed the District’s coordination efforts with the California Air Resources Board regarding methane research and regulation; how the District plans to mitigate methane emissions from animal waste and recycling/waste; the need for the District to monitor leak detection in flaring landfills and wastewater treatment plants; the source of the odor at the Livermore Water Reclamation Plant; the methods by which recent “top-down” studies in the Bay Area have been conducted; the need for enhanced efforts in promoting composting education; the process for converting methane to energy; the evolution of best practices in composting; the proportions of methane, versus carbon dioxide, in annual total greenhouse gas (GHG) emissions; the co-benefits of the District’s Basin-Wide Methane Strategy; whether there is a metric to measure the percentage of the methane inventory that is in the Bay Area air shed; the fact that captured methane that is flared off is not included in the District’s *methane* inventory, but in the *carbon dioxide* inventory; the request for data regarding how much methane is being emitted, captured, and then flared, versus converted into energy; the feasibility of offering incentives to landfills for best practices; how staff will discuss energy-efficient methods of composting at committee meetings; funding incentives for publicly-owned treatment works infrastructure; concerns that the State’s goal of reaching 75% of waste diversion by 2020 will not occur, and how the District can increase its level of control; state versus local landfill regulations, and the District’s jurisdiction on landfills; the need for clarity on what direct regulatory authority the District has over natural gas distribution pipeline systems; how the District can regulate carbon dioxide emissions that are not Cap and Trade sources; how AB 398 impacts the District’s Clean Air Plan, and how new District regulations would fit into the Clean Air Plan; why or why not methane fits in with the New Source Review Program; and the request for a staff presentation on the co-benefits and alternative strategies that the District *may* implement within AB 398.



Committee Action:

None; receive and file.

**5. CLIMATE PROTECTION GRANT PROGRAM (ITEM 4)**

Henry Hilken, Director of Planning and Climate Protection, introduced Abby Young, Climate Protection Manager, who gave the staff presentation *Climate Protection Grant Program*, including: history of Air District climate funding; 2007 and 2017 Climate Protection Grant Programs; grant program structure and priorities; outreach and input; and next steps.

Public Comments:

Public comments were given by Janet Stromberg, 350 Bay Area.

Committee Comments:

The Committee and staff discussed the Bay Area Solar Photovoltaic Ordinance Toolkit distribution and webinar; the suggestion that District could help guide jurisdictions on how to spend the surplus funds generated by their community choice aggregation programs; the need for continued promotion of the transition to clean vehicles; the need for enhanced targeted outreach to impacted and disadvantaged communities and granting of projects within those communities; the feasibility of the District ceasing to fund the purchasing and installation of electric vehicle infrastructure, due to the fact that other investors are already doing so; how the District can help facilitate the shift from natural gas to electricity; the District's desire to prepare the public for opportunities to transition to new technologies, rather than paying for the new technologies; the feasibility of making multi-family dwellings/affordable housing in disadvantaged communities eligible for the program; the need for staff to reach out to cities for feedback on the aggressiveness of the timeline; and the feasibility of using the grants to leverage existing government funding.

Committee Action:

None; receive and file.

**6. COMMITTEE MEMBER COMMENTS / OTHER BUSINESS**

None.

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

The Committee will meet on Thursday, November 16, 2017, Bay Area Air Quality Management District Office, 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.

**8. ADJOURNMENT**

The meeting adjourned at 11:45 a.m.

Marcy Hiratzka  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Teresa Barrett and Members  
of the Climate Protection Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 6, 2017

Re: AB 398 and the Air District 2017 Clean Air Plan

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RECOMMENDED ACTION

None; receive and file.

BACKGROUND

On July 17, 2017, the California Legislature passed AB 398, which extends the State's Cap and Trade program to December 31, 2030. The bill also prohibits local air districts from adopting or implementing any emission reduction rules for carbon dioxide (CO<sub>2</sub>) from stationary sources that are subject to the Cap and Trade program. The bill transfers this regulatory authority from local air districts to the California Air Resources Board (CARB). In the Bay Area, approximately 95 percent of CO<sub>2</sub> emissions from stationary sources that the Air District regulates are covered by the Cap and Trade program. This regulatory change in authority for the Air District will impact how the agency implements the 2017 Clean Air Plan.

DISCUSSION

Passage of AB 398 limits the Air District's ability to regulate CO<sub>2</sub> emissions from many stationary sources, including refineries. However, the Air District can move forward with regulating stationary sources for non-CO<sub>2</sub> greenhouse gas emissions such as methane. The Air District can also continue to implement non-regulatory activities aimed at reducing all greenhouse gas emissions, including CO<sub>2</sub>, through its grant and incentive programs, work with local governments, community engagement, air monitoring and communications initiatives. Additionally, reductions of CO<sub>2</sub> emissions can still be realized as co-benefits from the implementation of rules and regulations designed to control other air pollutants.

Staff will present on how passage of AB 398 may impact the implementation of the 2017 Clean Air Plan. The presentation will discuss rule-making, funding programs, policy initiatives, the Air District's technical programs, and other work the agency is pursuing to make progress toward the goal of reducing greenhouse gas emissions 80 percent below 1990 levels by 2050.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Abby Young  
Reviewed by: Henry Hilken

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Teresa Barrett and Members  
of the Climate Protection Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 7, 2017

Re: California Air Resources Board (CARB) Draft 2017 Climate Change Scoping Plan  
Update

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RECOMMENDED ACTION

None; receive and file.

BACKGROUND

In 2006, the State Legislature passed AB 32, the Global Warming Solution Act, which established a statewide greenhouse gas (GHG) emission reduction target of reducing emissions back to 1990 levels by 2020. The law also required the California Air Resources Board (CARB) to develop a Scoping Plan that describes the approach California will take to achieve this GHG reduction goal. The Scoping Plan must be updated every five years. The first update to the Scoping Plan was approved by the CARB Board in May 2014. In 2016, the Legislature passed SB 32, which codifies a 2030 GHG emissions reduction target of 40 percent below 1990 levels. The Legislature also passed companion legislation AB 197, which provides additional direction for developing the Scoping Plan. More recently, AB 398 also affected the Scoping Plan Update by reauthorizing the State's Cap and Trade Program. A second update to the Scoping Plan is currently underway and CARB has recently released a draft of the *2017 Climate Change Scoping Plan*.

DISCUSSION

Air District staff has followed the Scoping Plan development process closely and provided comments on early versions of the document. Staff also considered Scoping Plan policies and programs for inclusion in the 2017 Clean Air Plan. The CARB governing board is expected to take action on the Scoping Plan Update at its upcoming Board meeting on December 14-15, 2017. Staff will present an overview of the current draft of the Scoping Plan, including the major priorities and policy initiatives, the status of the Cap and Trade program, and how the Scoping Plan relates to the work of local air districts and local governments.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Abby Young  
Reviewed by: Henry Hilken