



**BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT**

**BOARD OF DIRECTORS  
CLIMATE PROTECTION COMMITTEE  
COMMITTEE MEMBERS**

**JOHN AVALOS - CHAIR  
SUSAN ADAMS  
JOHN GIOIA  
JAN PEPPER  
SHIRLEE ZANE**

**DAVID HUDSON - VICE CHAIR  
TERESA BARRETT  
SCOTT HAGGERTY  
MARK ROSS**

**WEDNESDAY  
OCTOBER 23, 2013  
9:30 A.M.**

**4<sup>th</sup> FLOOR CONFERENCE ROOM  
939 ELLIS STREET  
SAN FRANCISCO, CA 94109**

**VIDEOCONFERENCE LOCATION:  
SANTA ROSA JUNIOR COLLEGE  
DOYLE LIBRARY ROOM 4243  
1501 MENDOCINO AVENUE  
SANTA ROSA, CA 95401**

**AGENDA**

**1. CALL TO ORDER - ROLL CALL**

**2. PUBLIC COMMENT PERIOD**

*(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, 939 Ellis 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.*

**3. APPROVAL OF MINUTES OF JULY 18, 2013**

**4. AB32 SCOPING PLAN UPDATE**

**J. Roggenkamp/4646  
[jroggenkamp@baaqmd.gov](mailto:jroggenkamp@baaqmd.gov)**

*The Committee will receive a briefing on the Air Resources Board's (ARB) update of the AB 32 Scoping Plan, including coordination between ARB and the Air District on the Bay Area workshop.*

**5. REGIONAL CLIMATE PROTECTION STRATEGY RESOLUTION**

**J. Roggenkamp/4646  
[jroggenkamp@baaqmd.gov](mailto:jroggenkamp@baaqmd.gov)**

*The Committee will consider recommending Board of Directors' approval of a proposed resolution calling for the development of a Bay Area Climate Protection Strategy, and provide direction on a draft work program.*

6. **COMMITTEE MEMBERS' 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. (Government Code § 54954.2)*

7. **TIME AND PLACE OF NEXT MEETING** – Thursday, November 21, 2013, Bay Area Air Quality Management District Office, 939 Ellis Street, San Francisco, California 94109 at 9:30 a.m.

8. **ADJOURNMENT**

**CONTACT THE CLERK OF THE BOARDS**  
**939 ELLIS STREET, SF, CA 94109**

**(415) 749-5073**  
**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.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- To request special accommodations for those persons with disabilities (notification to the Executive Office should be given at least three working days prior to the date of the meeting so that arrangements can be made accordingly).

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 939 Ellis Street, San Francisco, CA 94109, at the time such writing is made available to all, or a majority of all, members of that body.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
**939 ELLIS STREET, SAN FRANCISCO, CALIFORNIA 94109**  
**FOR QUESTIONS PLEASE CALL (415) 749-5016 or (415) 749-4941**

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

**OCTOBER 2013**

<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 Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	<b>Monday</b>	<b>21</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	<b>Monday</b>	<b>21</b>	<b>10:30 a.m.</b>	<b>Board Room</b>
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month) - CANCELLED</i>	<b>Wednesday</b>	<b>23</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>
<b>Board of Directors Climate Protection Committee</b> <i>(Meets on the 3<sup>rd</sup> Thursday of every other month)</i>	<b>Wednesday</b>	<b>23</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	<b>Thursday</b>	<b>24</b>	<b>9:30 a.m.</b>	<b>Board Room</b>
<b>Board of Directors Public Outreach Committee</b> <i>(At the Call of the Chair)</i>	<b>Thursday</b>	<b>31</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>

**NOVEMBER 2013**

<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>	<b>Wednesday</b>	<b>6</b>	<b>9:45 a.m.</b>	<b>Board Room</b>
<b>Advisory Council Regular Meeting</b> <i>(Meets on the 2<sup>nd</sup> Wednesday of each Month)</i>	<b>Wednesday</b>	<b>13</b>	<b>9:00 a.m.</b>	<b>Board Room</b>
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	<b>Monday</b>	<b>18</b>	<b>9:30 a.m.</b>	<b>4<sup>th</sup> Floor Conf. Room</b>
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	<b>Monday</b>	<b>18</b>	<b>10:30 a.m.</b>	<b>Board Room</b>

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## NOVEMBER 2013

<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>	Wednesday	20	9:45 a.m.	Board Room
<b>Board of Directors Climate Protection Committee</b> <i>(Meets 3<sup>rd</sup> Thursday of every other month)</i>	Thursday	21	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	27	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room
				<u>And via videoconference at</u> Santa Rosa Junior College Doyle Library, Room 4243 1501 Mendocino Avenue Santa Rosa, CA
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i> – <b>CANCELLED AND RESCHEDULED TO</b> <b>DECEMBER 5, 2013 AT 9:30 AM</b>	Thursday	28	9:30 a.m.	Board Room

## DECEMBER 2013

<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>	Wednesday	4	9:45 a.m.	Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	5	9:30 a.m.	Board Room
<b>Board of Directors Executive Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	16	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of each Month)</i>	Monday	16	10:30 a.m.	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	18	9:45 a.m.	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	25	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room
				<u>And via videoconference at</u> Santa Rosa Junior College Doyle Library, Room 4243 1501 Mendocino Avenue Santa Rosa, CA
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	26	9:30 a.m.	Board Room

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson John Avalos and Members  
of the Climate Protection Committee

From: Jack P. Broadbent  
Executive Officer/Air Pollution Control Officer

Date: July 23, 2013

Re: Climate Protection Committee Draft Meeting Minutes

RECOMMENDED ACTION

Approve attached draft minutes of the Climate Protection Committee meeting of July 18, 2013.

DISCUSSION

Attached for your review and approval are the draft minutes of the Climate Protection Committee meeting of July 18, 2013.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Sean Gallagher  
Reviewed by: Rex Sanders

Attachments

Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, California 94109  
(415) 749-5073

**DRAFT MINUTES**

Summary of Board of Directors  
Climate Protection Committee Meeting  
Thursday, July 18, 2013

**1. Call to Order – Roll Call**

Chairperson John Avalos called the meeting to order at 9:36 a.m.

Present: Chairperson John Avalos; Vice-Chairperson David Hudson; and Directors Teresa Barrett, Scott Haggerty, Jan Pepper and Mark Ross.

Absent: Directors Susan Adams, John Gioia and Shirlee Zane.

Also Present: None.

**2. Public Comment Period: None.**

**3. Approval of Minutes of October 31, 2011, April 16, 2012, and May 9, 2013**

Committee Comments: None.

Public Comments: None.

Committee Action: Director Ross made a motion, seconded by Director Hudson, to approve the Minutes of October 31, 2011, April 16, 2012, and May 9, 2013.

NOTED PRESENT: Director Haggerty was noted present at 9:42 a.m.

Chairperson Avalos asked, regarding the minutes of May 9, 2013, agenda item 7, Discussion on Proposed Keystone Pipeline, about the absence of the referenced resolution from today's meeting material, which questions were answered by Jean Roggenkamp, Deputy Air Pollution Control Officer.

The motion carried unanimously.

**4. Discussion on Proposed Keystone Pipeline**

Ms. Roggenkamp and Chairperson Avalos each made introductory comments regarding the topic.

Ms. Roggenkamp introduced Michael Murphy, Advanced Projects Advisor of Planning, Rules & Research, who gave the staff presentation Keystone XL Pipeline, including project background, a summary of the nature of oil sands, possible greenhouse gas (GHG) impacts, and an overview of Bay Area refineries and potential local emissions.

Chairperson Avalos asked, regarding slide 4, GHG, whether the graph reflects the volumes extracted in each instance, which question was answered by Mr. Murphy.

Director Pepper asked, regarding slide 4, GHG, why there is such a large range of 3.7 to 20.7 million metric tons annually, which question was answered by Mr. Murphy.

Director Haggerty asked if the GHGs attributed to this activity are largely from the extraction component, whether alternative transport methods are being utilized currently, and whether there is a measurable offset by switching from current transport methods to the pipeline, which questions were answered by Mr. Murphy.

Director Hudson asked if increased production is expected after the pipeline is installed, which question was answered by Mr. Murphy.

Director Pepper asked about the capacity of the current pipeline and the feasibility of other transport methods as alternatives to the proposed expansion, which questions were answered by Mr. Murphy.

Director Ross asked about the capacity of those portions of the pipeline located at each end of the proposed Keystone XL span, which questions were answered by Mr. Murphy.

Chairperson Avalos asked whether the presentation will address the feasibility of oil sands production generally, which question was answered by Mr. Murphy. Chairperson Avalos suggested it as a topic of discussion at the Air District in light of the environmental impact and the current available domestic oil reserves.

Mr. Murphy concluded the presentation.

Committee Comments:

Chairperson Avalos asked about the accuracy of media reports of a proposed pipeline from Alberta to the Canadian west coast, which question was answered by Mr. Murphy.

Chairperson Avalos asked about the inclusion of concerns, such as pipeline malfunction, in the Air District analysis despite the lack of an obvious impact on air quality, which question was answered by Mr. Murphy.

Director Ross said he spoke with officials from Alberta who were convinced a pipeline will be installed in one direction or another unless natural gas prices were to unexpectedly drop.

Director Pepper asked about the effect on operations of the Keystone XL Pipeline not being built, which question was answered by Mr. Murphy.

Chairperson Avalos asked about the state of debate in Canada regarding the advisability of pursuing oil sands production, which question was answered by Mr. Murphy.

Director Ross asked, regarding slide 4, GHGs, about the sulfur content of crude oils currently processed in the Bay Area, the potential impact of California's cap and trade program on the selection of crude oil for processing at Bay Area refineries, and the effect of the proposed pipeline on the value of other domestic crude oils, which questions were answered by Mr. Murphy and Jim Karas, Director of Engineering.

Director Pepper noted, regarding slide 4, GHGs, that the graph shows largely similar emissions for the refining step and asked how GHG emissions during extraction are accounted for in cap and trade, if at all, which question was answered by Mr. Murphy.

Public Comments:

Laura Galligan, 350 Bay Area, addressed the Committee in opposition to the proposed Keystone XL Pipeline.

Floyd Earl Smith, 350 Bay Area, addressed the Committee in opposition to the proposed Keystone XL Pipeline.

Gary Latshaw, Sierra Club, addressed the Committee in opposition to the proposed Keystone XL Pipeline.

Jed Holtzman, 350 Bay Area, addressed the Committee in opposition to the proposed Keystone XL Pipeline.

Paul Kangas, 100% Solar (ONE), addressed the Committee to petition for the establishment of a feed-in tariff.

Committee Comments (continued):

Director Haggerty asked, regarding slide 4, GHGs, whether the GHG increase provided factors in offsets that would result from switching to pipeline transport from the alternative methods currently being used, which question was answered by Mr. Murphy.

Chairperson Avalos noted that the subject of the proposed resolution is not the norm for the Air District but suggested it is related to impacts on the global climate and its adoption would be an important, albeit small, statement on the subject and urged the Committee to agendaize it for further discussion before the Board of Directors.

Director Ross said the issue ultimately is one of demand but, that while accepting responsibility for the demand is the ultimate solution, he would likely support the resolution despite its falling outside the normal scope of Air District involvement, particularly if it were amended to include a provision addressing demand in the Bay Area.

Director Hudson said production will meet demand regardless of the transport method chosen or which country opts to benefit economically from the process.

Director Haggerty said he was initially opposed to the proposed resolution and would abstain if brought to a vote today but that he will be prepared to vote should it go to the Board of Directors for discussion and noted his voting record in defense of the environment when justified by the facts.

Director Barrett said she supports a discussion of the proposed resolution by the Board of Directors in light of the issue rising above borders.

Director Pepper expressed her support for the resolution, even if symbolic, because of the importance of taking a stand while working to address the real issue of demand and consumption.

Director Ross agreed with Director Haggerty's initial assessment and expressed his support for a discussion of the proposed resolution by the Board of Directors.

Chairperson Avalos directed staff to agendize the proposed resolution for discussion by the Board of Directors.

Director Hudson asked, regarding slide 4, GHG, staff to provide the Board of Directors with information regarding the expected increase of annual GHG emissions in California only and for information relative to differences in expected emissions from the various pipeline expansions being discussed.

Director Pepper said, regarding slide 4, GHG, that it would be helpful to the Board to see the "3.7 to 20.7 million metric tons" annual emissions figure broken down further.

Committee Action: None; informational only.

## **5. Climate Protection Grant Program Update**

Ms. Roggenkamp introduced the topic and Abby Young, Principal Environmental Planner of Planning Rules & Research, who gave the staff presentation Climate Protection Grant Program Update, including a review of the grant program's objectives and the types of projects funded, highlights of certain projects, a summary of the results, and lessons learned.

### Committee Comments:

Chairperson Avalos asked about the source of the initial program funds and the foreseeability of another opportunity to repeat the innovative and exciting exercise in the future, which questions were answered by Ms. Roggenkamp.

Director Hudson suggested combining funding sources to expand the grant program to greater effect.

Director Pepper asked about how communities that are currently working on community action plans (CAPs) can benefit from the work that has come before them, which question was answered by Ms. Young.

Director Hudson encouraged the creation of templates for use in developing CAPs.

Director Ross said he looks forward to opportunities to repeat the exercise in the future as cap and trade becomes more established and becomes a possible source of funding for these programs.

Public Comments:

Mr. Kangas again addressed the Committee to petition for the establishment of a feed-in tariff.

Committee Action: None; informational only.

**6. Assembly Bill (AB) 32 Scoping Plan Update**

Ms. Roggenkamp introduced the topic and Ms. Young, who gave the staff presentation AB 32 Scoping Plan Update, including background on AB 32 and the scoping plan, the State's strategy for achieving AB 32 GHG goals, the goals of the 2013 Scoping Plan Update, a description of an upcoming Bay Area workshop on the Scoping Plan Update, and the Air District's involvement.

Committee Comments:

Director Barrett asked if and how local staffs were invited to the Regional Public Workshop and Open House for the 2013 Update to the AB32 Scoping Plan on July 30, 2013, which question was answered by Ms. Young.

Director Hudson said the process is headed in the wrong direction and the Air District should instead be focused on identifying the Bay Area's piece of the puzzle and establishing an understanding of current levels with a focus on air pollution, not setting 2050 levels that are unattainable without significant developments in technology, to which Ms. Roggenkamp responded.

Director Pepper and Ms. Young discussed the need for an understanding of current levels in the Bay Area in order to reliably project into the future.

Director Hudson said the focus needs to be on the Bay Area, not the state as delivered by the California Air Resources Board, to which Ms. Roggenkamp responded.

Director Pepper said bringing the subject to the local level is beneficial not only for policy makers but for the development of greater understanding and involvement by the general public.

Public Comments: None.

Committee Action: None; informational only.

**7. Committee Members' Comments:** None.

**8. Time and Place of Next Meeting:** At the call of the Chairperson.

9. **Adjournment:** The meeting adjourned at 11:41 a.m.

Sean Gallagher  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson John Avalos and Members  
of the Climate Protection Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: October 10, 2013

Re: AB 32 Scoping Plan Update

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

Assembly Bill 32 (AB 32), the Global Warming Solutions Act, was passed by the Legislature and signed by Governor Schwarzenegger in 2006. This Act requires the State of California to reduce greenhouse gas (GHG) emissions to 1990 levels by 2020, and calls upon the Air Resources Board (ARB) to develop a strategy for achieving that goal. This strategy, the AB 32 Scoping Plan, must be updated every five years. ARB is currently undertaking an effort to evaluate and update the Plan's policies and ensure that California is on track to achieve the 2020 GHG reduction goal. On July 30, 2013, the Air District collaborated with ARB to host a well-attended public meeting in San Francisco to gather input for the Scoping Plan Update.

DISCUSSION

The 2013 Scoping Plan Update will define the state's climate change priorities for the next five years. It will also look beyond the 2020 GHG reduction goal and lay the groundwork for reducing GHG emissions significantly out to 2050. ARB has asked CAPCOA to assist in developing the Update, specifically, in drafting a chapter on regional and local climate protection efforts.

Staff will provide an overview of the AB 32 Scoping Plan Update process, including opportunities for the Bay Area and the Air District's involvement.

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 John Avalos and Members  
of the Climate Protection Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: October 16, 2013

Re: Regional Climate Protection Strategy Resolution

RECOMMENDED ACTION

Recommend that the Board of Directors adopt the attached climate protection resolution, and provide direction to staff on the draft work program.

BACKGROUND

The Air District's Climate Protection Program was established in 2005. The Climate Protection Committee was established as a standing committee of the Board in 2006. Over the past eight years the Air District's Climate Protection Program has had many successes, including:

- awarding over \$7 million in grants to local governments, non-profits and schools to reduce GHG emissions;
- convening well-attended, highly-successful regional summits on climate protection;
- providing funding and technical support to local governments resulting in the Bay Area being the national leader in local climate action plan development;
- developing the first-ever California Environmental Quality Act (CEQA) thresholds of significance for GHG emissions for plans and projects;
- adopting a cost-recovery, stationary source GHG fee.

Many of these successes have been achieved through collaboration with state and regional agencies, local governments and community stakeholder groups.

DISCUSSION

After eight years of implementing successful climate protection efforts, the Air District is now evaluating challenges and opportunities and assessing the appropriate focus of the Climate Protection Program. Recent activities at the state and regional levels, combined with great interest among local stakeholder groups, make the timing of this assessment opportune.

At the state level, the current Scoping Plan Update process provides an opportunity for the Air District to provide input into how the state will address climate protection well into the future. Complementary efforts at the state level include ARB's implementation of the Cap and Trade

program, and the Governor's Office of Planning and Research's continuing efforts to address GHG reduction through CEQA and general plan guidance.

Regionally, the Air District will continue to collaborate with the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG) on the implementation of Plan Bay Area, which aims to reduce GHG emissions from vehicles through coordinated land use and transportation planning. The Air District will also work on addressing the region's vulnerabilities to climate change impacts through collaboration with the Bay Conservation and Development Commission's Adapting to Rising Tides project and through the Joint Policy Committee's climate protection coordinating efforts.

Approximately fifty local governments in the Bay Area have adopted local climate action plans. This leads all other metropolitan regions across the country in local climate action planning. This fast-growing level of climate planning activity provides an excellent opportunity to collaborate with and support local jurisdictions in developing new policy approaches to reducing GHG emissions. In addition, stakeholder groups such as 350.org have approached the Air District with a willingness to collaborate to find new paths to significant GHG emission reductions in the Bay Area.

In response to these opportunities, staff has prepared a Regional Climate Protection Strategy Resolution that provides a framework for achieving concrete progress toward significant, long-term GHG reductions. The Resolution articulates a long-term GHG reduction goal for the Bay Area, and calls on the Air District to initiate a regional climate protection planning process. The regional climate protection strategy would: complement the considerable climate planning occurring at state, regional and local levels; identify actions needed from various levels of government to make progress toward ambitious long-term GHG reduction goals, and; be included as an element of the 2014 Clean Air Plan.

In addition, staff will prepare a climate protection work program. The work program would guide Air District climate protection activities in the near-term and identify necessary resources.

Staff will provide an overview of the Climate Protection Strategy Resolution and draft work program outline.

#### BUDGET CONSIDERATION / FINANCIAL IMPACT

Enhanced climate protection activities would require additional resources. Such resources will be identified in the work program and addressed in future budgets.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Abby Young  
Reviewed by: Henry Hilken

Attachment A: Climate Protection Strategy Resolution  
Attachment B: 10-Point Climate Action Work Program for the Bay Area (Draft)

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2013 -**

**A Resolution of the Board of Directors of the Bay Area Air Quality Management District**

**Resolution Adopting a Greenhouse Gas Reduction Goal and Commitment to Develop a Regional Climate Protection Strategy**

WHEREAS, The Intergovernmental Panel on Climate Change (IPCC) has stated in its recently released 5<sup>th</sup> Assessment Report, *Climate Change 2013: The Physical Science Basis*, that “Warming of the climate system is unequivocal,” and “It is *extremely likely* that human influence has been the dominant cause of the observed warming since the mid-20th century”; and,

WHEREAS, Conservative estimates by the world’s climate scientists state that to achieve climate stabilization and avoid cataclysmic climate change, emissions of greenhouse gases (GHGs) must be brought to 80% below 1990 levels by 2050; and

WHEREAS, The Bay Area Air Quality Management District launched a Climate Protection Program in 2005, and through this program works with the State of California, regional agencies, and city and county governments throughout the Bay Area region to reduce greenhouse gas emissions; and

WHEREAS, The Global Warming Solutions Act of 2006 commits the State of California to reduce greenhouse gas emissions to 1990 levels by 2020, and the Governor’s Executive Order S-3-05 establishes as State policy to reduce greenhouse gas emissions 80% below 1990 levels by 2050; and,

WHEREAS, The Air District's 2010 Clean Air Plan set performance objectives to “Reduce emissions of greenhouse gases (GHGs) to 1990 levels by 2020 and 40% below 1990 levels by 2035”; and

WHEREAS, The Air District has invested in the development of local climate action plans throughout the Bay Area through its Climate Protection Grant Program, and nearly 50 Bay Area local governments have developed and adopted climate action plans; and

WHEREAS, A number of local jurisdictions in the Bay Area have adopted aggressive targets to reduce GHG emissions 80% below 1990 levels by 2050; and

WHEREAS, Climate change continues to pose a number of threats to air quality and public health concerns that the Air District can address through its regulatory authority; and

WHEREAS, Higher temperatures and heat waves increase demand for electricity and thus combustion of fossil fuels, generating airborne particulates that could lead to increased respiratory disease, and increased ground level ozone concentrations that could cause direct lung injury and increase the severity of respiratory diseases such as asthma; and

WHEREAS, Climate change may increase the occurrence and severity of wildfires in and around the Bay Area, resulting in increased PM2.5 exposure and associated negative health impacts, including respiratory and cardiovascular effects; and

WHEREAS, Measures to reduce Bay Area GHG emissions often would also result in reductions in emissions of criteria air pollutants and toxic air contaminants and support the goals of the Air District's *2010 Clean Air Plan*; and

WHEREAS, Regional Agencies in the Bay Area are actively engaged in climate action planning, through efforts such as *Plan Bay Area*, the Bay Conservation and Development Commission's *Adapting to Rising Tides Project*, and the Air District's development of the *2014 Clean Air Plan*.

WHEREAS, The Air District has authority to regulate emissions from non-vehicular sources of air pollution, including GHGs, and to enact more stringent requirements than federal or State law; and

THEREFORE BE IT RESOLVED, the Board of Directors seeks to build on local, regional and state climate protection planning efforts by leading a regional climate protection planning process to include:

- Setting a goal for the Bay Area region of reducing GHG emissions to 80% below 1990 levels by 2050; and
- Developing a Regional Climate Protection Strategy to make progress toward achieving the 2050 goal for GHG emission reductions that complements existing planning efforts at the state, regional and local levels, utilizing the Air District's 2014 Clean Air Plan to initiate the process; and
- Developing a work program to guide Air District climate protection activities in the near-term.

The foregoing resolution was duly and regularly introduced, passed and adopted at a regular meeting of the Board of Directors of the Bay Area Air Quality Management District on the Motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, on the \_\_\_\_ day of \_\_\_\_\_, 2013, by the following vote of the Board:

AYES:

NOES:

ABSENT:

\_\_\_\_\_  
Ash Kalra  
Chairperson of the Board of Directors

ATTEST:

\_\_\_\_\_  
Carole Groom  
Secretary of the Board of Directors

**10-POINT CLIMATE ACTION WORK PROGRAM FOR THE BAY AREA****10/16/13**

This 10-Point Climate Action Strategy represents the focus and direction of the Air District's Climate Protection Program in 2013-2015. This Strategy reflects the Air District's strength in playing a coordinating role for policy implementation at the federal, state, regional and local levels. The actions described below will serve as the Air District's priorities for the next two years as it continues to work with many stakeholders to reduce the Bay Area's greenhouse gas (GHG) emissions.

1. **Set GHG Reduction Goal** – Set a goal for reducing GHG emissions in the Bay Area. Consider using the State goal of reducing emissions 80% below 1990 levels by 2050, as stated in Executive Order S-3-05.
2. **Update GHG Inventory and Forecasting** – Update the Air District's regional GHG emissions inventory for the Bay Area. Conduct GHG emissions forecasts for 2020, 2035 and 2050 based on different GHG emission scenarios, which will lay a foundation for the development of the Regional Climate Action Strategy described below. Seek to incorporate effects of state (Scoping Plan), regional (Plan Bay Area and 2014 Clean Air Plan), and local (local climate action plans) initiatives.
3. **Implement GHG Emissions Monitoring** – Initiate local monitoring of certain greenhouse gases, including methane and carbon dioxide. The Air District will integrate monitoring of methane within its current air toxics monitoring network. The Air District will work with UC Berkeley researchers to collect local CO<sub>2</sub> emissions data through a university-led network of local CO<sub>2</sub> monitoring stations. Data collected will help develop a better understanding of ambient concentration, variability and trends over time, as well as provide more specific local data for the regional GHG inventory.
4. **Develop Regional Climate Action Strategy** – Identify policy gaps between local climate action plans, Plan Bay Area, and the State Scoping Plan where the Air District has authority to act, and where Air District action can augment GHG reduction. These potential Air District actions could be included in the 2014 Clean Air Plan and serve as a Regional Climate Action Strategy. This Strategy would also identify gaps and opportunities appropriate for other local, regional and state agencies.
5. **Support and Enhance Local Action** – Increase the local implementation of GHG-reducing policies and programs through enhanced technical assistance to cities and counties in preparing and implementing local Climate Action Plans. Expand technical assistance to local governments through development of incentive programs and CEQA mechanisms:
  - Support local climate action planning through data delivery, technical tools, providing a clearinghouse of information and promoting best practices
  - Explore funding sources for incentives to improve energy efficiency;
  - Update CEQA thresholds for GHGs and update CEQA Guidelines to assist cities, counties and other lead agencies;
  - Work with lead agencies to use the CAPCOA GHG Exchange for offsite mitigation under CEQA (e.g., work with organizations such as the Marin Carbon Project to develop protocols for GHG reduction credits).

6. **Accelerate Rule Development** – Initiate rule development to advance GHG reduction in sources subject to Air District regulatory authority. Examples may include:
  - Reduce methane emissions and other short-lived climate pollutants, such as black carbon;
  - Enhance and/or backstop upcoming federal requirements to control GHG emissions from new and existing power plants;
  - Increase deployment of heat mitigating technologies and policies, such as cool roofing and cool paving;
  - Explore opportunities to reduce energy use in the residential, commercial and industrial sectors.
7. **Expand Enforcement** – Expand enforcement of statewide regulations to reduce GHGs, especially short-term climate pollutants. Continue working with the Air Resources Board (ARB) to enforce existing Scoping Plan regulations addressing landfills, semiconductors and refrigerants. Work with ARB to explore further opportunities through the development of the Scoping Plan Update.
8. **Launch Climate Change & Public Health Impacts Initiative** – Collect and synthesize information, reports and data on the climate change impacts related to air quality, public health and disproportionate impacts. Work with state and local public health professionals to identify policies and programs targeting impacts that affect air quality and public health, including wildfires and extreme heat.
9. **Report Progress to the Public** – Select indicators to measure, track and report on progress toward the regional GHG reduction goal. Report this information publicly, presented in a manner that informs and engages the public, such as Berkeley’s Climate Action Plan Results web page.
10. **Explore the Bay Area’s Energy Future** – Assign the Air District’s Advisory Council the role of investigating technical issues related to the Air District’s Climate Protection Program. Initially focus on the energy future of the Bay Area.