



**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**

**THURSDAY
JULY 18, 2013
9:30 A.M.**

**AIR DISTRICT HEADQUARTERS
7th FLOOR BOARD ROOM
939 ELLIS STREET
SAN FRANCISCO, CA 94109**

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 OCTOBER 31, 2011, APRIL 16, 2012 AND MAY 9, 2013

4. DISCUSSION ON PROPOSED KEYSTONE PIPELINE

**J. Roggenkamp/4646
jroggenkamp@baaqmd.gov**

The Committee will discuss the proposed Keystone XL pipeline and impacts to the Bay Area air quality.

5. CLIMATE PROTECTION GRANT PROGRAM UPDATE

**J. Roggenkamp/4646
jroggenkamp@baaqmd.gov**

The Committee will receive a report on the final status of the projects funded through the \$3 million Climate Protection Grant Program.

6. AB 32 SCOPING PLAN UPDATE

**J. Roggenkamp/4646
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.

7. 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)

8. TIME AND PLACE OF NEXT MEETING – Thursday, September 19, 2013, Bay Area Air Quality Management District Office, 939 Ellis Street, San Francisco, California 94109 at 9:30 a.m.

9. 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**

- 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) 749-4963**

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

JULY 2013

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month) - CANCELLED</i>	Monday	15	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month) - CANCELLED</i>	Monday	15	10:30 a.m.	4 th Floor Conf. Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month) - CANCELLED</i>	Wednesday	17	9:45 a.m.	Board Room
Board of Directors Climate Protection Committee <i>(Meets on the 3rd Thursday every other month)</i>	Thursday	18	9:30 a.m.	Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month) - CANCELLED</i>	Wednesday	24	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month) - CANCELLED</i>	Thursday	25	9:30 a.m.	Board Room
Board of Directors Personnel Committee <i>(At the Call of the Chair)</i>	Monday	29	9:30 a.m.	4 th Floor Conf. Room

AUGUST 2013

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Monday	5	9:30 a.m.	4 th Floor Conf. Room
				And via videoconference at Santa Rosa Junior College Doyle Library, Room 4243 1501 Mendocino Avenue Santa Rosa, CA
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	5	11:00 a.m.	4 th Floor Conf. Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	7	9:45 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month) - CANCELLED & RESCHEDULED TO MONDAY, AUGUST 5, 2013 AT 11:00 A.M.</i>	Monday	19	9:30 a.m.	4 th Floor Conf. Room

AUGUST 2013

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i> - CANCELLED	Monday	19	10:30 a.m.	4 th Floor Conf. Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i> - CANCELLED	Thursday	22	9:30 a.m.	Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i> - CANCELLED	Wednesday	21	9:45 a.m.	Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i> - CANCELLED & RESCHEDULED TO MONDAY, AUGUST 5, 2013 AT 9:30 A.M.	Wednesday	28	9:30 a.m.	4 th Floor Conf. Room

SEPTEMBER 2013

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	4	9:45 a.m.	Board Room
Board of Directors Public Outreach Committee <i>(At the Call of the Chair)</i>	Monday	9	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Monday	9	11:00 a.m.	4 th Floor Conf. Room
				And via videoconference at Santa Rosa Junior College Doyle Library, Room 4243 1501 Mendocino Avenue Santa Rosa, CA
Advisory Council Regular Meeting <i>(Meets on the 2nd Wednesday of each Month)</i>	Wednesday	11	9:00 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	16	9:30 a.m.	4 th Floor Conf. Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	16	10:30 a.m.	4 th Floor Conf. Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	18	9:45 a.m.	Board Room
Board of Directors Climate Protection Committee <i>(Meets on the 3rd Thursday every other month)</i>	Thursday	19	9:30 a.m.	4 th Floor Conf. Room
				And via videoconference at Santa Rosa Junior College Doyle Library, Room 4243 1501 Mendocino Avenue Santa Rosa, CA

SEPTEMBER 2013

TYPE OF MEETING

DAY

DATE

TIME

ROOM

**Board of Directors Budget & Finance
Committee** *(Meets on the 4th Wednesday of each
Month)*

Wednesday

25

9:30 a.m.

**4th Floor
Conf. Room**

**Board of Directors Mobile Source
Committee** *(Meets on the 4th Thursday of each Month)*

Thursday

26

9:30 a.m.

Board Room

HL – 7/11/13 (2:50 p.m.)

P/Library/Forms/Calendar/Calendar/Moncal

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 3, 2013

Re: Climate Protection Committee Draft Meeting Minutes

RECOMMENDED ACTION

Approve attached draft minutes of the Climate Protection Committee meetings of October 31, 2011, April 26, 2012, and May 9, 2013.

DISCUSSION

Attached for your review and approval are the draft minutes of the October 31, 2011, April 26, 2012, and May 9, 2013, Climate Protection Committee meetings.

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) 771-6000

DRAFT MINUTES

Summary of Board of Directors
Climate Protection Committee
4th Floor Conference Room
Monday, October 31, 2011, 10:00 a.m.

1. Call to Order - Roll Call

Chairperson Jennifer Hosterman called the meeting to order at 10:07 a.m. with an established quorum.

Present: Chairperson Jennifer Hosterman, Vice Chairperson Gayle B. Uilkema, and Directors John Gioia, Dave Hudson, Johanna Partin, Mark Ross, and Susan Garner

Absent: Directors Susan Gorin and Carole Groom

2. Public Comment Period: None

3. Approval of Minutes of May 16, 2011

Director Hudson made a motion to approve the minutes of May 16, 2011; seconded by Director Uilkema; carried unanimously without objection.

4. Conoco Phillips Greenhouse Gas (GHG) Reduction

Jean Roggenkamp, Deputy Air Pollution Control Officer, introduced Avra Goldman, Environmental Planner, who provided an informational update on the Greenhouse Gas Reduction Grant Program (GGRGP). The update provided a brief background on the funding for this program. The funding for this program is provided from a settlement agreement between the Attorney General of California and the Conoco Phillips Company. The Air District received approximately \$4.4 million from Conoco Philips by June 1, 2009. As a result of this settlement, the Air District developed a program to reduce greenhouse gas emissions in areas closest to the refinery in Rodeo, California. Therefore, all projects funded under this program are located in Crockett, Hercules, Rodeo, and Pinole.

On June 2, 2010, the Air District Board of Directors approved an award of \$4 million to the most cost effective energy efficiency and renewable energy projects in these areas. At that same time,

the Board also approved a contingency list of the highest ranking projects if funds become available due to accrued interest and projects closing under budget or cancelled. To date, 42 project components have been allocated funding for a total of just under \$4 million. Of those, 9 projects are completed and 33 are scheduled to complete by December 2012.

The program is estimated to reduce approximately 10,078 metric tons of CO2 emissions. Air District staff is currently in the process of allocating funds from accrued interest to projects on the approved Contingency List.

Committee Comments:

Director Gioia confirmed that the amount of funds returned from completed or cancelled projects and/or accrued interest is the same amount of funds that are reallocated to new projects. Director Gioia also requested further clarification regarding the 20 year commitment requirement, particularly for the City of Pinole swim center project. Supervisor Gioia inquired about whether all these facilities need to commit to a budgetary decision 10 to 20 years out.

Damian Breen, Director of Strategic Incentives, responded that the length of the commitment is based on the project life provided by the applicant. The budget commitment is not 20 years down the road but the budget commitment now.

Director Ross asked what would happen in unforeseen loss. Mr. Breen responded that each contract contains an insurance and warranty clause.

Director Uilkema asked if a public facility, such as a firehouse, decided to allow a private entity to run the facility, how this will impact the contract. Mr. Breen stated that as long as the private entity agreed to continue with the contract, then the contract would be transferred.

Director Hosterman asked what the average time is from application receipt to time of funding. Mr. Breen responded about 6 to 8 months.

Public Comments: None

Committee Action: None; for information only.

5. Sustainable Communities Strategy (SCS) Update

Jean Roggenkamp, Deputy Air Pollution Control Officer, introduced Ken Kirkey from the Association of Bay Area Governments (ABAG) and Lisa Klein from the Metropolitan Transportation Commission (MTC) who provided the Committee with an overview of the status and development of the Sustainable Communities Strategy (SCS) and Abby Young, Principal Environmental Planner, who discussed the Air District's involvement and interest in the SCS.

Mr. Kirkey provided an update on what's new with Senate Bill 375 which requires key actions by every region in California. One requirement is that every region's transportation plan must align with and support a sustainable community strategy land use pattern. The sustainable community strategy will be adopted as part of the regional transportation plan which will happen in spring of

2013. The SCS shall identify how the region can satisfy the region's housing demand for the projected population across all income categories and adopt a forecasted development pattern for the region, supported by a transportation system, which will reduce greenhouse gas emissions.

Director Hudson asked if the Shaping Our Future Plan would qualify as an alternative planning strategy. Mr. Kirkey responded no.

Mr. Kirkey continued with the presentation discussing regional job projections, revised Greenhouse Gas (GHG) emission reduction estimates, performance targets, priority developments areas, and housing distribution.

Mr. Kirkey requested that Ms. Klein continue with the presentation to the Committee. The following topics were discussed during this portion of the presentation: Investment Strategies, Policy Initiatives, Project Performance Assessment, and next steps.

Director Hosterman noted that Director Garner joined the meeting.

Ms. Young provided the Committee with a summary of the Air District's role in the SCS and staff's work to ensure projects and land use scenarios minimize exposure to particulate matter and air toxics.

Director Partin commented that 15% GHG emission reduction by 2035 is large. Director Partin noted that the real challenge is how to build near transit centers but at the same time address CEQA thresholds and air quality issues.

At the request of Jack Broadbent, Executive Officer/APCO, and concurrence from the Committee, Agenda item #6 is deferred to the next Climate Protection Committee meeting.

Committee Comments:

Director Gioia stated that he read the regional transit cost study and asked how the recommendations in the study fit into the SCS. Ms. Klein referred back to the presentation.

Public Comment: None.

Committee Action: None; for information only.

6. **Committee Member Comments/Other Business:** None.
7. **Time and Place of Next Meeting:** At the Call of the Chairperson.
8. **Adjournment:** The meeting was adjourned at 11:00 a.m.

Maricela Martinez
Executive Secretary I

Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109
(415) 771-6000

DRAFT MINUTES

Summary of Board of Directors
Climate Protection Committee Meeting
9:30 a.m., Monday, April 16, 2012

1. Call to Order – Roll Call

Committee Chairperson Jennifer Hosterman called the meeting to order at 10:33 a.m. and made opening comments.

Present: Committee Chairperson Jennifer Hosterman and Director Mark Ross.

Absent: Vice Chairperson Edwin M. Lee; and Directors Susan Garner, Susan Gorin, Carole Groom, David Hudson, Katie Rice and Shirlee Zane.

Also Present: Board of Directors Chairperson John Gioia.

2. Public Comment Period: None.

3. Approval of Minutes of October 21, 2011

Approval of the Minutes of October 21, 2011, was postponed for lack of a quorum.

4. Local Climate Action Planning Update

Henry Hilken, Director of Planning, Rules & Research, introduced Abby Young, Principal Environmental Planner of Planning, Rules & Research, who gave the staff presentation Climate Action Planning Update, including reviews of the state of climate action planning at large; Air District initiatives that spurred climate planning; increases in climate action planning in the Bay Area; the interplay between the California Environmental Quality Act (CEQA), climate action plans (CAPs) and the Sustainable Communities Strategy (SCS); localities the Air District has confirmed have adopted CAPs; forms of Air District assistance in plan development; current trends and innovative measures; and the next steps in CAP efforts.

Chairperson Gioia asked, regarding slide 3, District Initiatives Spur Climate Planning, whether the \$770,700 in grants represents the total of Air District funding. Ms. Young said there was a total of \$3 million that was broken up; first, into planning grants of approximately \$770,000; second, a large portion went to Innovative Solutions for more typical project funding like Berkeley First and Marin Community Choice Aggregation; and finally, a handful of grants that went to seed fund energy and climate protection staff positions.

Director Ross asked if the \$3 million came from the Bay Area Clean Air Foundation. Ms. Roggenkamp responded that it was excess funds from the radio room but technology advanced so much that the upgrades were possible via a much cheaper solution. Chairperson Gioia confirmed that the \$3 million was all for climate change issues and asked if all of the climate change plans being discussed came from the \$770,000. Ms. Young said no and more funding has come from other sources. Chairperson Gioia asked if the total Air District funding was \$770,000. Brian Bunger, District Counsel, confirmed. Chairperson Gioia said that money then leveraged other dollars and asked staff for the information as it is important to know exactly how much was leveraged.

Ms. Young continued the presentation.

Chairperson Gioia asked, regarding slide 4, Bay Area Climate Action Planning, if 23 CAPs were adopted in 2011 plus 30 in 2012 or if those are running totals. Ms. Young said there are currently 30 CAPs adopted that approximately 13 will be adopted in 2013. Committee Chairperson Hosterman asked when the number will get to 110. Ms. Young said it is a long process from the time a decision to adopt is made and its fruition, averaging approximately one and a half years, and a great deal of resources in the form of meetings, funding, document preparation and so forth. Ms. Young noted a CAP template was created and may prove helpful for those who have not yet adopted a CAP. Committee Chairperson Hosterman stated that one may also be available through the Local Government Commission. Mr. Hilken said there are many CAPs in the works that were not included as they are still in the early planning stages.

Ms. Young concluded her presentation.

Committee Comments:

Director Ross said so few cities have a CAP but so many cities having to contend with the SCS and asked why someone has not found a way to link the two. Committee Chairperson Hosterman said the Air District is doing well working with various agencies to support the process and move things along and suggested that the Association of Bay Area Governments (ABAG), with the Metropolitan Transportation Commission (MTC), has the reins on the SCS discussion. Director Ross suggested, as a benefit for the SCS strategy, that a model CAP be prepared that could be incorporated under an SCS strategy. Committee Chairperson Hosterman said the interrelation was part of the argument in favor of completing a CAP at the City of Pleasanton. Director Ross said this may have been a better idea early on and asked if it might still help.

Jack Broadbent, Executive Officer/Air Pollution Control Officer, suggested discussing SCS now as a related sub-item of this agenda item and Committee Chairperson Hosterman agreed.

Mr. Broadbent said there is a lot of work being done on SCS, and the staffs of ABAG and MTC want to provide a brief on SCS around June, probably to the Executive Committee and then the Board. Mr. Broadbent added that Ms. Young and Air District staff spend a great deal of time on SCS and the points being made about CAP and particulate matter exposure are all comments that will be made by staff with a request for Board endorsement, probably around June. Mr. Broadbent and Ms. Roggenkamp discussed the timeline.

Committee Chairperson Hosterman agreed and said work on this has been done for a couple years, with a huge amount of staff effort expended at the various agencies throughout the Bay Area, and the general consensus seems to be that it is a great idea but its implementation is only marginally realistic and there is some question as to whether a revenue stream exists to do so. Committee Chairperson Hosterman solicited the input of others about how long this should be kept alive artificially if it is not gaining traction instead of confronting the state legislature regarding the fruitless efforts and need for a revenue stream.

Chairperson Gioia asked if Committee Chairperson Hosterman is proposing that this message come from the Air District alone or that it be raised in conjunction with the other regional agencies. Committee Chairperson Hosterman said it makes sense to include all of the agencies in the discussion, as it seems there is general agreement among them, but it is important to consider whether work is being done towards an unattainable goal and the Air District is in the perfect position to take a lead role in that discussion.

Mr. Broadbent said SCS is trying to direct 60 to 70% of future housing into priority development areas (PDAs) and rely on transit opportunities to reduce greenhouse gases (GHG) and while the point being raised of exposure is front and center in the minds of Air District staff, the SCS is operating at a somewhat high level, leaving implementation up to the jurisdictions through their planning processes. Mr. Broadbent added that it is worth raising the issue and then talking about how to implement exposure mitigation measures at a higher-than-staff level. Committee Chairperson Hosterman suggested the final solution may be making a declaration that the Bay Area is in compliance as much as possible without assistance. Mr. Broadbent recalled reports of a 6 to 8% gap towards the target and this is where the Air District can help with specific programs.

Director Ross suggested using the SCS as a vehicle to foster the implementation of more CAPs in order to obtain the necessary reductions and then bringing community risk reduction plans (CRRP) into the fold for a unified, more streamlined effort. Committee Chairperson Hosterman said some modicum of local control must be maintained. Director Ross asked what would happen if cities had an imperfect, untailed document that comes off the shelf with some basic measures that can be implemented with very little staff effort.

Chairperson Gioia asked if the goal of this discussion is to determine how best to start the dialogue about the compatibility of various plans for the region and what the proper venue would be for that dialogue. Chairperson Gioia noted the ongoing discussion at MTC and ABAG regarding the tension of planning for the various programs and asked what the helpful message from the Air District should be. Director Ross said the helpful message is you can get more support for the SCS strategy adoption by providing jurisdictions this low-cost, straightforward and streamlined package as a pathway to compliance. Chairperson Gioia noted that the deadline is fast approaching. Director Ross said that is all the more reason to proceed with developing a simpler pathway. Chairperson Gioia asked how it could be accomplished by April 2013. Director Ross said by preparing a template CAP that can fold into and implement SCS. Chairperson Gioia asked how this would play out. Mr. Broadbent suggested sister-agencies' and Air District staffs brief the Board regarding efforts to date and mentioned discussions about the viability of meeting the target and further ways to decrease GHGs, such as increased penetration of electric vehicles, a project the Air District could take the lead on. Mr. Broadbent suggested working with cities to get CAPs adopted as implementation vehicles for a lot of these things.

Director Ross asked if those reductions can be plugged into the SCS. Mr. Broadbent said yes and the second SCS is due in 2017. Director Ross asked if the Air District can quickly put together a mutually beneficial package. Chairperson Gioia suggested progress briefings be presented to the Executive Committee and Board for further discussion and asked when those might occur. Mr. Broadbent said it has yet to be determined but would probably be June or July but staff needs to check with ABAG and MTC staffs regarding how the Air District can best help them to achieve their goals. Director Ross said that bundling the uses may go a long way towards adoption. Committee Chairperson Hosterman speculated that everyone will soon see tensions rise to a level that will prevent measures from being implemented.

Mr. Hilken said local jurisdictions are not left to recreate the wheel but are instead provided templates and suggestions on how best to streamline and tailor them to their individual needs.

Public Comments: None.

Committee Action: None; informational only.

5. Update on Assembly Bill 32 Implementation and U.S. Environmental Protection Agency Programs to Reduce Greenhouse Gas Emissions Under the Federal Clean Air Act

Brian Bateman, Director of Compliance & Enforcement, gave the staff presentation Update on Implementation of Assembly Bill (AB) 32 and U.S. Environmental Protection Agency (EPA) GHG Regulatory Programs, including AB 32 background and scoping plan, the revised scoping plan CEQA analysis, cap-and-trade regulation overview and recent activity, AB 32 landfill methane and semiconductor operations rules, stationary refrigerant management program, California Air Resources Board (ARB) and Air District coordination, EPA regulation of GHG under the Federal Clean Air Act, GHG tailoring rule, Clean Air Act permit programs, and New Source Performance Standards (NSPS) and Emission Guidelines (EG).

Committee Chairperson Hosterman asked, regarding slide 3, AB 32 Scoping Plan, the meaning of the “18 – 27” figure provided. Mr. Bateman responded that the current estimate is 18 but that it could go up.

Mr. Bateman continued the presentation.

Committee Chairperson Hosterman asked, regarding slide 9, Recent Activity on Cap-and-Trade, whether the registration deadline was met. Mr. Bateman responded that he believes so but would have to check to be sure. Committee Chairperson Hosterman asked how long Quebec’s program has been in existence. Mr. Bateman said about the same as California’s.

Mr. Bateman continued the presentation.

Committee Chairperson Hosterman asked, regarding slide 12, Stationary Refrigerant Management Program, what systems are included in “non-residential stationary refrigerant systems that require more than 50 lb. of fluorocarbon refrigerant charge.” Mr. Bateman responded that grocery stores have them for food storage, not climate control.

Mr. Bateman concluded the presentation.

Mr. Bateman added, regarding slide 12, Stationary Refrigerant Management Program, that although the effective date has passed, the standards are largely unenforced because the memorandum of understanding is still being developed and work is still needed on outreach and enforcement efforts.

Mr. Bateman added, regarding slide 16, Clean Air Act Permit Programs, that all five of the formerly eligible plants in the Bay Area have shut down because the plants were fairly old and compliance would be too expensive.

Committee Chairperson Hosterman asked, regarding slide 17, NSPS and EG, whether the standards are so strict that no plant will come to the Bay Area. Mr. Bateman responded that it seems they are not preventative but that they do make it very difficult for industry to compete.

Committee Comments:

Committee Chairperson Hosterman asked how Air District staff are responding to the EPA regarding the NSPS and EG. Mr. Bateman responded that the Air District is generally supportive.

Director Ross asked if cap-and-trade allowances are valid for one year. Mr. Bateman said no but fewer allowances will be issued each year. Director Ross asked if the allowances expire. Mr. Bateman speculated no.

Director Ross asked what is going to prevent a facility from fudging its initial numbers. Mr. Bateman said there is an independent, third-party verification system. Director Ross asked if the verifier will be checking Air District numbers. Mr. Bateman said facilities have to have direct third-party verification. Director Ross asked if facilities hire their own verifiers. Mr. Bateman responded yes. Director Ross speculated they will have different numbers than the Air District. Mr. Broadbent said this was discussed with ARB and whether the air districts should be the verifiers and believes they are currently excluded from that role, adding that the program is estimated to generate billions of dollars in revenue so there is a lot of discussion about what to do with the revenue. Director Ross asked for a report back on when the allowances expire. Discussion ensued between Director Ross and Messrs. Broadbent, Bunger and Bateman regarding allowance expiration dates, the burgeoning speculation market, and program requirements.

Director Ross asked if the Air District should buy credits. Mr. Broadbent and Mr. Bunger recommended waiting until the program is matured. Committee Chairperson Hosterman and Chairperson Gioia discussed the relevancy and timing of briefing the Board on the matters discussed today.

Mr. Broadbent said the Air District role is still being clarified in terms of implementing AB 32 and asked Mr. Bateman about the next steps. Mr. Bateman said the Air District has a statement to issue and potentially forming a working implementation group. Mr. Broadbent said the industry

concern is their having to work with the ARB on one front and the Air District through the permit process.

Director Ross asked whether the Air District should obtain credits and then retire them in some way as an emission mitigation strategy. Mr. Broadbent said there has been and continues to be a great deal of discussion about reductions under, possible conflicts between, and the interplay of CEQA and AB 32, and urged caution in that regard for the time being.

Public Comments: None.

Committee Action: None; informational only.

6. **Committee Member Comments/Other Business:** None.
7. **Time and Place of Next Meeting:** At the call of the Chairperson.
8. **Adjournment:** The meeting adjourned at 11:58 a.m.

Sean Gallagher
Clerk of the Boards

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

Videoconference Location:
Santa Rosa Junior College
Doyle Library Room 4243
1501 Mendocino Avenue
Santa Rosa, CA 95401

DRAFT MINUTES

Summary of Board of Directors
Climate Protection Committee Meeting
Thursday, May 9, 2013

1. Call to Order – Roll Call

Chairperson John Avalos called the meeting to order at 10:04 a.m.

Present: Chairperson John Avalos; and Directors Teresa Barrett, John Gioia, Scott Haggerty, Mark Ross and Shirlee Zane (from videoconference location).

Absent: Vice-Chairperson David Hudson and Director Susan Adams.

Also Present: None.

2. Public Comment Period:

Steve Birdlebough, Sonoma County Transportation & Land Use Coalition, addressed the Committee regarding the need for more robust land use planning in the Plan Bay Area, particularly in regard to greenhouse gases.

Ellen Osuna, 350 Bay Area / Occupy SF Environmental Justice Working Group, addressed the Committee to note the recent study by Mark Jacobson which provides a blueprint for the State of New York to switch to 100% renewable fuel sources and said additional studies for the other 49 states are in the works.

Beverly Pfizer, Transition SF, addressed the Committee in support of the Air District adopting the proposed resolution to be delivered at today's meeting by representatives of 350 Bay Area.

NOTED PRESENT: Director Haggerty was noted present at 10:13 a.m.

Taylor Hawke, 350 Bay Area, addressed the Committee regarding his concern about climate change and to deliver a proposed resolution entitled, *A Proposed Resolution Establishing a Commitment and Path to Reducing Greenhouse Gas Emissions Levels to 80% Below 1990 levels by 2050* (350 Resolution).

Aaron Reaven, 350 Bay Area, addressed the Committee by reading a portion of the 350 Resolution.

Floyd Earl Smith, 350 Bay Area CAP / Transition Town San Francisco, addressed the Committee by reading a subsequent portion of the 350 Resolution.

Kathy Kemp, 350 Bay Area CAP / 350.org, addressed the Committee by reading a subsequent portion of the 350 Resolution.

Patrick Kennedy, 350 Bay Area, addressed the Committee by reading the final portion of the 350 Resolution.

Laura Galligan, 350 Bay Area, addressed the Committee to express the support of the Air District’s climate efforts by her organization and its readiness to assist as needed.

Jed Holtzman, 350 SF, addressed the Committee regarding the need to quickly address the climate crisis with a strong action plan and to express his opposition to the Keystone XL pipeline.

Kirsten Schwind, Bay Localize, addressed the Committee in support of the Air District adopting the 350 Resolution.

Corrine Van Hook, Bay Localize, addressed the Committee to echo the comments of Ms. Schwind and to encourage consideration of the human cost of inaction.

3. Approval of Minutes of March 14, 2013

Committee Comments: None.

Public Comments: None.

Committee Action: Director Gioia made a motion to approve the Minutes of March 14, 2013; Director Haggerty seconded; and the motion carried unanimously with Director Barrett abstaining.

4. Climate Change Science Overview

Jean Roggenkamp, Deputy Air Pollution Control Officer, introduced the topic and Brian Bateman, Health and Science Officer, who gave the staff presentation Climate Change Science Overview, including indicators of and milestones in the science of climate change, summary of global energy balance and the Greenhouse Effect, a look at the role of water vapor and clouds in the Greenhouse Effect, overviews of greenhouse gases and trends in their atmospheric levels, a look at radiative climate forcings and climate feedbacks, projections of future global warming and potential and a snapshot of greenhouse gas (GHG) emissions by country and California.

Director Ross asked, regarding slide #17, GHG, about the ultimate fate of heat absorbed by black carbon (BC), which questions were answered by Mr. Bateman.

Mr. Bateman concluded the presentation.

Committee Comments:

Director Ross asked about the feasibility of altering emissions chemically rather than quantitatively to alter climate trends and about the regulation of water vapor emissions from facilities currently regulated by the Air District, which questions were answered by Mr. Bateman.

Director Zane requested detailed information regarding the source types contributing to climate change, such as automobiles, that can be passed along to constituents to aid in lifestyle choices.

Public Comments:

Mr. Smith addressed the Committee regarding the accelerated rate of the global temperature increase and emissions contributions.

Warren Linney, World Stewardship Institute – Stanford, addressed the Committee regarding efforts underway to develop methods to draw GHGs out of the atmosphere and similar responses to existing pollutants. Mr. Bateman and Ms. Roggenkamp responded in turn.

Mr. Reaven addressed the Committee regarding slide #17, GHGs, and the more significant impact of methane if measured differently.

Committee Action: None; informational only.

5. Overview of Air District Climate Protection Program

Ms. Roggenkamp introduced the topic and Abby Young, Principal Environmental Planner of Planning Rules & Research, gave the staff presentation Overview of District Climate Protection Program 2005 – 2013, including climate program approach, history of regional summits, grants and incentives, community outreach efforts, stationary sources, assistance to local governments, local and regional planning activities, and regional and state-wide collaboration opportunities.

Director Avalos asked, regarding slide #7, Stationary Sources, about the percentage of cost recovery on the GHG fee and how a proposal to increase the fee would have to be handled in light of Proposition 26 requirements, which questions were answered by Ms. Roggenkamp.

Ms. Young concluded the presentation.

Committee Comments: None.

Public Comments: None.

Committee Action: None; informational only.

6. Next Steps for Air District Climate Protection Program

Ms. Roggenkamp gave the staff presentation Next Steps for Air District Climate Protection Program, namely the 2014 Clean Air Plan (Plan), including the Plan as a vehicle for climate protection, the change in landscape since 2010, options for inclusion in the 2014 Plan, possible measures in a multi-pollutant control strategy and what they require, and considerations going into the process for developing the 2014 Plan.

Chairperson Avalos asked, regarding slide #6, Moving Forward: The 2014 Plan, about the lack of an explicit GHG goal in the current Plan and suggested its inclusion to be essential, which questions were answered by Ms. Roggenkamp and Henry Hilken, Director of Planning, Rules & Research.

Director Gioia said the goals should tie into the work being done by various regional agencies through the Sustainable Communities Strategy. Director Ross echoed Director Gioia and the Committee and staff discussed the same.

Ms. Roggenkamp concluded the presentation.

Committee Comments:

Chairperson Avalos asked about the state of long-term funding for the programs, which questions were answered by Jack Broadbent, Executive Officer/Air Pollution Control Officer.

Chairperson Avalos urged staff to review the 350 Resolution and to engage interested members of the public when developing the next Plan.

Public Comments:

Ms. Schwind addressed the Committee regarding the importance of setting non-arbitrary goals.

Mr. Birdleough addressed the Committee regarding the need to set better than average goals and urged the Air District to set more aspirational goals than those set by the State.

The Committee and staff discussed the timeline for development of the Plan.

Committee Action: None; informational only.

7. Discussion on Proposed Keystone Pipeline

Chairperson Avalos deferred the staff presentation, Discussion on Proposed Keystone XL Pipeline, for lack of time, made introductory comments and asked for public comment.

Public Comments:

Loring Dales, M.D., addressed the Committee regarding the importance of taking action in the face of climate change.

Gary Latshaw, Sierra Club, addressed the Committee in support of the Air District taking action in opposition to the Proposed Keystone Pipeline.

Stephanie Flaniken addressed the Committee in support of the Air District taking action in opposition to the Proposed Keystone Pipeline.

Mr. Smith addressed the Committee in support of the Air District taking action in opposition to the Proposed Keystone Pipeline, to encourage any and all action that may positively affect climate change and to request the webcasting of future Committee meetings.

Committee Comments:

Chairperson Avalos thanked the public and staff, expressed optimism about Air District efforts moving forward and said the resolution prepared by staff will be agendaized for further discussion by the Committee.

Committee Action: None; informational only.

8. **Committee Member Comments/Other Business:** None.
9. **Time and Place of Next Meeting:** At the call of the Chairperson.
10. **Adjournment:** The meeting adjourned at 12:24 p.m.

Sean Gallagher
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Avalos and Members
of the Climate Protection Committee

From: Jack P. Broadbent
Executive Officer/APCO

Date: July 2, 2013

Re: Discussion of the Proposed Keystone Pipeline

RECOMMENDED ACTION

None at this time.

BACKGROUND

Since 2008, TransCanada, a pipeline operator, has been seeking permission to construct a 36" diameter pipeline from Alberta, Canada to oil refineries in the Gulf Coast. The proposed Keystone XL Pipeline, shown as a dashed line in Figure 1, would be able to move 830,000 barrels a day of oil extracted from oil sands. (TransCanada operates an existing 30" pipeline, which is shown as a solid line in Figure 1.) Because the proposed pipeline would cross the Canada-United States border, a Presidential Permit is required; this Permit is issued by the United States Department of State if it is determined that the proposed pipeline is in the "national interest." In December 2011, the Department of State denied the application for a Presidential Permit. In response, TransCanada made a number of modifications to the proposed route to avoid concerns raised by the State of Nebraska and split the overall project into two distinct phases: one from Alberta to Steele City, Nebraska, and another from Cushing, Oklahoma to the Gulf Coast. (TransCanada proposes using existing pipelines to move the oil from Nebraska to Cushing, Oklahoma.) On May 4, 2012, TransCanada submitted a new application for a Presidential Permit covering the revised route from Alberta to Nebraska. Consideration of the new application is currently underway at the Department of State. A Draft Supplemental Environmental Impact Statement (SEIS) was issued by the Department of State on March 1, 2013; comments on the draft SEIS have closed. More than one million letters were submitted with comments on the draft SEIS. The Department of State has not issued a timeline for making a decision on the Presidential Permit, but is anticipated to act within the next two-three months.

Figure 1
Proposed Route of the Keystone XL Pipeline



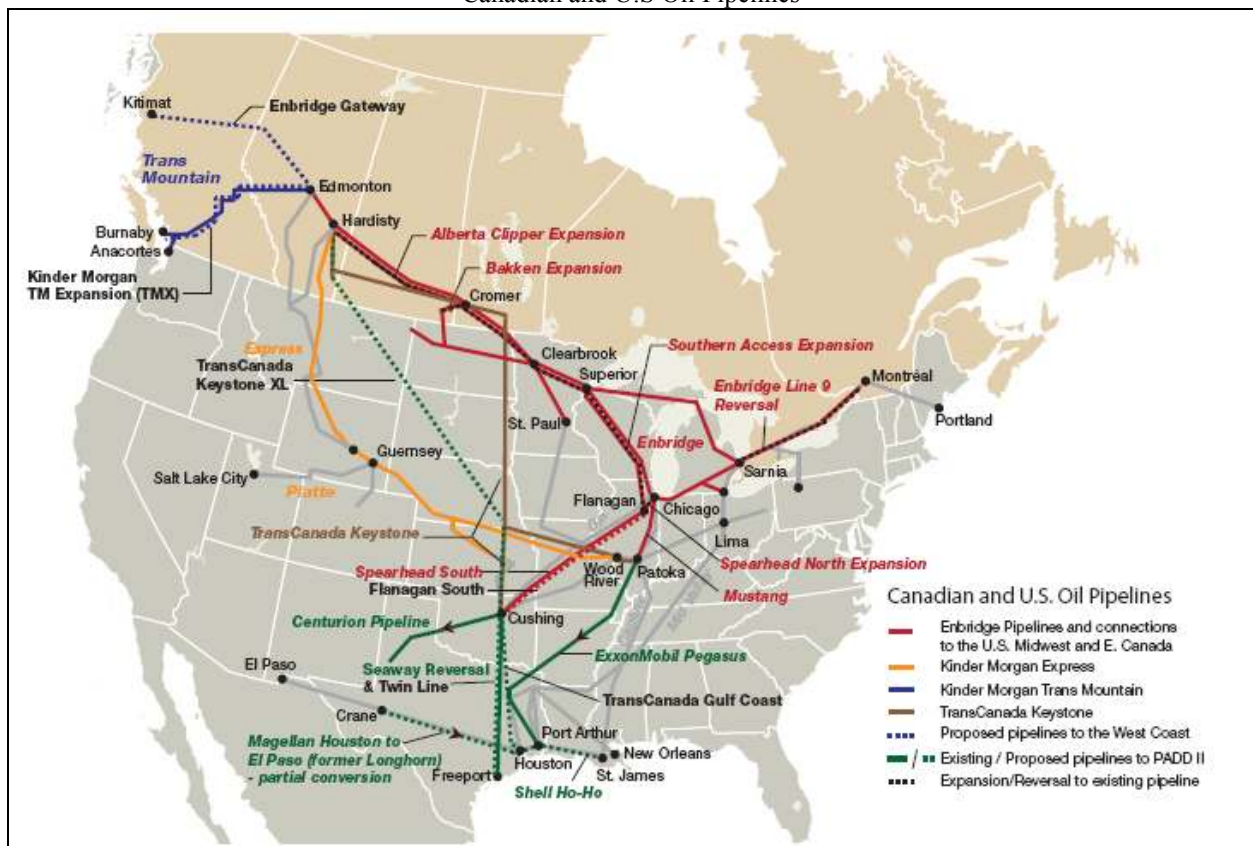
Source: TransCanada

DISCUSSION

What are Oil Sands?

The boreal forests of Western Canada, especially in the Province of Alberta, grow in a large sedimentary basin. Underlying the basin are large deposits of oil sands, a mixture of sand, clay, various minerals and bitumen, a semi-solid to solid form of oil. The bitumen mixture is very dense and highly viscous, or resistant to flow. With a consistency at room temperature of thick molasses, oil sand bitumen is difficult to transport. The common method of transport is by pipeline. (See Figure 2.) To be transported in pipelines, the oil sand bitumen must be diluted using either lighter grade oil or synthetic diluents. The diluted bitumen is referred to popularly as either “dilbit” or “synbit,” depending on the product used as the diluent.

Figure 2
Canadian and U.S Oil Pipelines



Source: Canadian Association of Oil Producers, 2012

Oil sands bitumen is extracted using two main methods. The common method is “in situ” recovery, which consists of injecting steam into the oil sands to lower the viscosity of the bitumen, allowing for ready extraction using pumps. Producers in California also use “in situ” recovery to extract bitumen from oil sands located within the State. The less common method is strip mining.

Alberta, Canada has proven oil sands reserves of 166.7 billion barrels of oil, the third largest known oil reserves in the world. In 2011, production averaged 1.7 million barrels a day. Of this amount, approximately 1.4 million barrels a day was exported to the United States and overseas. The current major market for the oil sands is the mid-West area of the United States. Production is forecast by the Canadian Association of Petroleum Producers to increase to 3.7 million barrels a day by the year 2020, and 5 million barrels a day by 2030. Additional pipeline capacity is a key component for achieving the forecasted growth.

In 2011, according to the California Energy Commission (CEC), refineries in California imported approximately 18,000 barrels a day of oil taken from the oil sands in Alberta. This was slightly more than 1% of the oil refined in California in 2011. Statistics were not available for the amount processed at Bay Area refineries; however, local refineries make up 39% of the State's refining capacity, so a reasonable estimate is 7,020 barrels a day.

Estimates of future California imports of Canadian oil sands are uncertain and subject to change based on conditions of the world oil market. If imports of oil sands grew at the same rate as the growth in exports from Alberta, then Bay Area refineries would refine approximately 15,000 barrels of oil sands a day by 2020, or 2% of current refinery capacity. This is consistent with current CEC estimates projecting low growth in the use of Canadian oil sands; the CEC cites both inadequate infrastructure and the difficulty for California refiners to meet the State's Low Carbon Fuel Standard when using the diluted bitumen as a feedstock. However, there are proposals in early planning stages to improve crude oil rail facilities in Benicia and Pittsburg. While it is unknown at this time whether or not those facilities will be used to import Canadian oil sands, their construction would expand available infrastructure to accommodate more oil from Alberta.

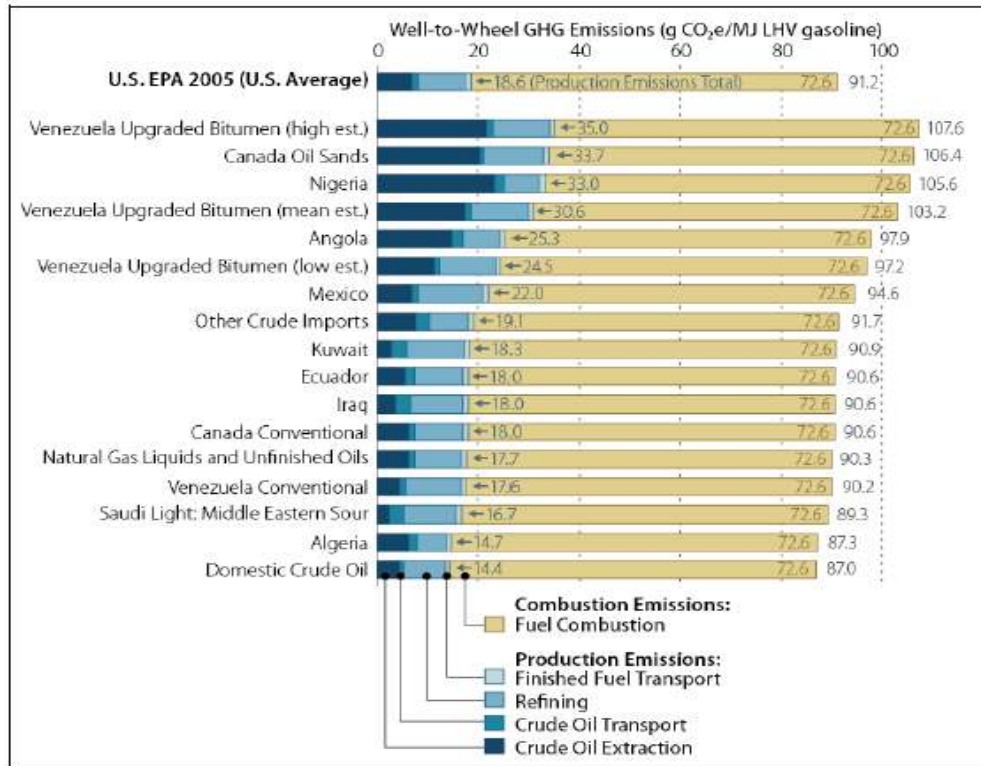
GHG Issues

In a March 2013 report, the Congressional Research Service reviewed the life-cycle greenhouse gas emissions associated with further development of the oil sands fields in Alberta. The major conclusions of this report include:

- GHG emissions from the production of oil sands (well-to-wheel) are on average 14%-20% higher than GHG emissions from the production of the average transportation fuel sold in the United States; this is largely due to the increased energy required to refine the heavy oil sands. As shown in Figure 3, combustion emissions of GHGs from gasoline refined from a variety of source oils remains constant. But the energy required to extract, transport and refine oil sands into a gallon of gasoline is significantly higher than for the average crude oil refined in the United States.
- The proposed Keystone XL Pipeline would increase annual GHG emissions in the United States by 3.7 million to 20.7 metric tons, or the equivalent of emissions from approximately 771,000 to 4,300,000 passenger vehicles.

Additionally, the Pembina Institute, a Canadian energy research group, reported that the refinement of oil from tar sands in 2005 released 37 megatons of greenhouse gases, compared with 23 megatons in 2000. The Institute estimated that GHG emissions could reach 164 megatons per year by 2015 due to rapidly increasing production.

Figure 3
Well-to-Wheel GHG Emissions



Source: Congressional Research Service, *Canadian Oil Sands: Life-Cycle Assessments of Greenhouse Gas Emissions*, Report R42537, March 15, 2013.

Local Emissions

The Air District currently does not have specific data on changes in the emissions of criteria and toxic emissions that may occur at local San Francisco Bay refineries if there were an increase in use of Canadian oil sands as a feedstock. Generally, however, low-quality, high-sulfur containing crudes such as oil sands require more intensive refining in order to produce transportation fuels that meet current low-sulfur specifications. The removal of sulfur from fuels has been a key step in lowering harmful sulfur dioxide and particulate matter pollution in the Bay Area. High-sulfur crude also may contribute to increased problems with corrosion of metallic equipment at refineries, which may result in increased risk of spills and accidental releases of emissions.

Air District staff is currently drafting a new rule that, if adopted, will require detailed tracking of emissions at, and increase air monitoring near, refineries. Tracking emissions over time and comparing them with baseline inventories will provide a greater understanding of impacts on local populations if oil sands become a prominent source of crude in the Bay Area.

Conclusion

Historically, the Air District does not take positions on issues or projects where the impacts on the quality of the Bay Area's air or the health of its residents are not certain. But as a leader in the field of air quality and climate change, it sometimes may be appropriate to consider, and weigh in upon, certain issues in other parts of California and other states. Staff seeks direction from the Board of Directors whether the Keystone XL Pipeline, with its potential to bring to market oil that potentially results in higher emissions, is an issue on which it is appropriate for the District to take a position.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Michael Murphy
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: July 3, 2013

Re: Climate Protection Grant Program Update

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

On December 19, 2007, the Air District Board of Directors awarded 53 climate protection grants totaling \$3 million to local governments and non-profit organizations in all nine counties of the Bay Area. Grants were made in the areas of youth outreach, climate planning, local government capacity-building, regionalizing best practices, and fostering innovation. All contracts issued under the Climate Protection Grant Program have been closed.

DISCUSSION

The Air District's Climate Protection Grant Program provided critical support to a wide range of projects that helped jump-start climate action planning and project implementation in the Bay Area. The Climate Protection Grants supported climate action in the following program areas:

- 1) Youth Outreach – Outreach projects engage youth in promoting personal behavior changes that reduce GHG emissions in their homes, schools and communities.
- 2) Climate Planning – Climate planning projects use the local planning process to achieve long-term reductions in energy use and greenhouse gas emissions (GHG). Climate Planning grants fund two types of activities:
 - Climate Protection Planning – integrating climate protection into general plans or developing stand-alone climate action plans.
 - Capacity-building – seed funding to establish permanent staffing positions to manage and coordinate energy and climate protection programs.
- 3) Regional Strategies – Funds awarded to projects with greatest regional application and long-term reduction of GHG. Regional Strategies grants fund two types of activities:

- Regionalizing Best Practices – taking strategies that have proven their value at reducing GHG emissions on a small scale and ramping them up for broader application.
- Fostering Innovation – incubating innovative new projects or policy approaches to reducing GHG.

A list of all Climate Protection Grants is included as Attachment A.

Staff will provide an overview of the Climate Protection Grant Program and its results. The presentation will highlight several funded projects and focus on tangible results from the entire grant program.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None. The Climate Protection Grants were funded out of the fiscal year ending 2008 budget.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Abby Young
Reviewed by: Henry Hilken

ATTACHMENT A

Bay Area Air Quality Management District Final List - Climate Protection Grant Awards

Grant Category	Applicant	Type of Applicant	County(ies) Served	\$ Awarded	Description
Capacity-building	City of Rohnert Park	local government	Sonoma	\$ 75,000	municipal Efficiency Coordinator position
Capacity-building	Santa Clara County	local government	Santa Clara	\$ 75,000	fund Utility Program Manager and Climate Coordinator
Capacity-building	City of Newark	local government	Alameda	\$ 50,000	fund Climate Protection Special Assistant
Capacity-building	City of Sunnyvale	local government	Santa Clara	\$ 55,550	sustainability officer
Capacity-building	City of El Cerrito	local government	Contra Costa	\$ 75,000	municipal energy officer
Capacity-building	City of Novato	local government	Marin	\$ 75,000	county-wide energy officer circuit rider
Capacity-building	San Mateo County	local government	San Mateo	\$ 75,000	municipal energy officer
			Sub-total	\$ 480,550	
Climate Planning	City of San Leandro	local government	Alameda	\$ 40,000	develop local climate action plan
Climate Planning	City of San Rafael	local government	Marin	\$ 25,000	develop local climate action plan
Climate Planning	City of Richmond	local government	Contra Costa	\$ 74,987	integrate climate into general plan
Climate Planning	Napa County Transport. Authority	local government	Napa	\$ 75,000	"circuit rider" for Napa cities and county to do climate plans
Climate Planning	Redwood City	local government	San Mateo	\$ 55,000	develop local climate action plan
Climate Planning	City of Fremont	local government	Alameda	\$ 70,962	integrate climate protection into general plan
Climate Planning	City of Menlo Park	local government	San Mateo	\$ 25,000	develop local climate action plan
Climate Planning	Cities of Albany & Piedmont	local government	Alameda	\$ 55,000	develop local climate action plan for 2 cities
Climate Planning	City of Lafayette	local government	Contra Costa	\$ 75,000	integrate climate protection into new downtown plan
Climate Planning	City of Vallejo	local government	Solano	\$ 75,000	integrate climate into general plan
Climate Planning	City of Mountain View	local government	Santa Clara	\$ 45,130	integrate climate protection into general plan
Climate Planning	City of Benicia	local government	Solano	\$ 40,000	develop local climate action plan
Climate Planning	City of Berkeley	local government	Alameda	\$ 40,000	environmental management system to implement climate plan
Climate Planning	Town of Hillsborough	local government	San Mateo	\$ 69,620	integrate climate protection into general plan
Climate Planning	City of San Mateo	local government	San Mateo	\$ 40,000	community-wide energy education and outreach officer
Climate Planning	Contra Costa County	local government	Contra Costa	\$ 40,000	develop climate action plan
Climate Planning	Alameda County	local government	Alameda	\$ 40,000	develop climate action plan
Climate Planning	City of Oakland	local government	Alameda	\$ 40,000	municipal energy action plan
Climate Planning	City of Hayward	local government	Alameda	\$ 40,000	develop climate action plan
Climate Planning	City of San Carlos	local government	San Mateo	\$ 75,000	integrate climate into general plan
			Sub-total	\$ 1,040,699	
Fostering Innovation	SF Community Power	non-profit	San Francisco	\$ 75,000	community-based carbon-trading experiment
Fostering Innovation	City of Santa Rosa	local government	Sonoma	\$ 43,000	energy efficiency in commercial laundry facilities
Fostering Innovation	City of Santa Rosa	local government	Sonoma	\$ 75,000	biomass from wastewater technology
Fostering Innovation	Urban Releaf	non-profit	Alameda	\$ 75,000	West Oakland tree planting
Fostering Innovation	Marin County	local government	Marin	\$ 75,000	Community Choice Aggregation (CCA)
Fostering Innovation	Water Planet Alliance	non-profit	Marin	\$ 74,438	technical support for Marin CCA
Fostering Innovation	Build It Green	non-profit	Bay Area-wide	\$ 75,000	rating/tracking system for green rated homes
Fostering Innovation	Climate Protection Campaign	non-profit	Sonoma	\$ 75,000	explore getting Sonoma to join Marin's CCA
Fostering Innovation	City of Berkeley	local government	Alameda	\$ 75,000	sustainable energy financing district
Fostering Innovation	TransForm	non-profit	Bay Area wide	\$ 75,000	LEED-type certification program for traffic reduction
Fostering Innovation	ICLEI - Local Govts for Sustainability	non-profit	Bay Area wide	\$ 52,109	early action handbook for GHG reduction
Fostering Innovation	Sustainable Earth Initiative	non-profit	San Francisco	\$ 75,000	fleet management tools
Fostering Innovation	Eco-city Builders	non-profit	Alameda	\$ 73,462	innovative sustainable development in Oakland
			Sub-total	\$ 918,009	

Final List - Climate Protection Grant Awards

Grant Category	Applicant	Type of Applicant	County(ies) Served	\$ Awarded	Description
Regionalizing Best Practices	Sustainable Silicon Valley	non-profit	San Mateo, Sta Clara	\$ 75,000	packaging and promoting business best practices
Regionalizing Best Practices	City of Sebastopol	local government	Sonoma	\$ 73,360	replicate Solar Sebastopol for all of Sonoma County
Regionalizing Best Practices	Strategic Energy Innovations	non-profit	Marin	\$ 75,000	helping local governments reduce GHGs
Regionalizing Best Practices	Accountable Development Coalition	non-profit	Sonoma	\$ 30,000	promote green building ordinances
Regionalizing Best Practices	Acterra	non-profit	San Mateo	\$ 60,000	neighborhood-based home greening
Regionalizing Best Practices	Sonoma County	local government	Sonoma	\$ 75,000	packaging and training best practices for local governments
			Sub-total	\$ 388,360	
Youth Climate Outreach	Sonoma Ecology Center	non-profit	Sonoma	\$ 25,000	education/training 6th graders to do home EE upgrades
Youth Climate Outreach	Earth Team	non-profit	Alameda, Contra Costa	\$ 22,496	Cool Schools
Youth Climate Outreach	Breathe California	non-profit	Santa Clara	\$ 25,000	trip reduction outreach in 3 schools in Milpitas
Youth Climate Outreach	TransForm	non-profit	Alameda	\$ 24,986	Pollution Punch card in schools to get families to reduce trips
Youth Climate Outreach	Strategic Energy Innovations	non-profit	Marin	\$ 25,000	youth-led energy audits for affordable housing
Youth Climate Outreach	Marin Conservation Corp	non-profit	Marin	\$ 25,000	school-based "cancel-a-car"
Youth Climate Outreach	Solar Living Institute	non-profit	Contra Costa	\$ 24,900	train students to install solar PV
			Sub-total	\$ 172,382	
			TOTAL	\$ 3,000,000	

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: July 3, 2013

Re: AB 32 Scoping Plan Update

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

In June of 2005, Governor Schwarzenegger signed Executive Order S-3-05, which articulates greenhouse gas (GHG) reduction targets for the State of California. These targets are to reduce GHG emissions to 1990 levels by 2020, and to reduce GHG emissions to 80 percent below 1990 levels by 2050. Assembly Bill 32 (AB 32), the Global Warming Solutions Act, was passed by the Legislature and signed by Governor Schwarzenegger in 2006, and codifies the 1990 target. AB 32 calls for the State of California to reduce its GHG emissions to 1990 levels by 2020. The legislation also requires the California Air Resources Board (ARB) to develop a plan that describes the approach California will take to meet this target. In December, 2008, ARB adopted the AB 32 Scoping Plan, which includes a variety of measures designed to reduce the state's GHG emissions to 1990 levels.

According to AB 32, the Scoping Plan must be updated every five years to evaluate the performance of the Plan's policies and ensure that California is on track to achieve the 2020 GHG reduction goal. ARB is currently undergoing the process of updating the Scoping Plan.

DISCUSSION

The 2013 Scoping Plan Update will define the state's climate change priorities for the next five years and lay the groundwork to reach the 2050 goal set forth in Executive Order S-3-05. The Update will look at state, regional and local efforts to reduce GHG emissions and how these efforts are contributing toward achieving the 2020 goal. The Update will also provide a higher level view of policies and approaches to address the longer-term 2050 GHG reduction goal. ARB will focus on the following topics in the 2013 Scoping Plan update:

- 1) transportation, fuels, and infrastructure;
- 2) energy generation, transmission, and efficiency;
- 3) waste;
- 4) water;

- 5) agriculture; and
- 6) natural and working lands.

As part of the update process, ARB is convening public workshops throughout the state. The Air District is hosting one of these workshops on July 30, 2013. In hosting the workshop, the Air District is coordinating with our regional agency partners and ARB staff to ensure that the content is relevant and useful for Bay Area stakeholders and that the event format facilitates interactive discussion and networking. The workshop will be held from 9:30 a.m. to 4:30 p.m. at the Hotel Nikko located at 222 Mason Street, San Francisco, CA.

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