



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
MEETING OF AD HOC COMMITTEE ON CLIMATE PROTECTION

AD HOC COMMITTEE MEMBERS

MARLAND TOWNSEND – CHAIRPERSON
DAN DUNNIGAN
SCOTT HAGGERTY
MICHAEL SHIMANSKY
PAMELA TORLIATT

MARK DeSAULNIER
ERIN GARNER
MARK ROSS
TIM SMITH
GAYLE B. UILKEMA

WEDNESDAY
DECEMBER 14, 2005
1:00 P.M.

4th FLOOR CONFERENCE ROOM
DISTRICT OFFICES

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 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 five (5) minutes each.

3. **UPDATE ON STAFF ACTIVITIES REGARDING CLIMATE CHANGE**

J. Broadbent/5052
jbroadbent@baaqmd.gov

The Committee will discuss and review previous actions taken by the Board of Directors on climate change and staff will provide the Committee with an update on recent staff activities regarding climate change.

4. **REPORT ON THE INTEGRATION OF AIR QUALITY MANAGEMENT AND CLIMATE PROTECTION**

J. Broadbent/5052
jbroadbent@baaqmd.gov

Staff will provide a report to the Committee on the integration of air quality management and climate change.

5. **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. (Gov't Code § 54954.2)

6. TIME AND PLACE OF NEXT MEETING: AT THE CALL OF THE CHAIR

7. ADJOURNMENT

**CONTACT CLERK OF THE BOARDS - 939 ELLIS STREET
SAN FRANCISCO, CA 94109**

**(415) 749-4965
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 Clerk's Office should be given at least three working days prior to the date of the meeting so that arrangements can be made accordingly).

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
Memorandum

To: Chairperson Townsend and Members
of the Ad Hoc Committee on Climate Change

From: Jack P. Broadbent
Executive Officer/APCO

Date: December 8, 2005

Re: Update on Staff Activities Regarding Climate Change

RECOMMENDED ACTION

None. For information only.

BACKGROUND

On June 1, 2005, the Board of Directors adopted a resolution establishing a Bay Area Climate Protection Leadership Program. This resolution states that the District will address climate change and climate protection through District activities such as outreach and education campaigns, data collection and analysis, technical assistance, a regional conference on climate protection, and support and leadership for local efforts in the Bay Area to reduce emissions that contribute to climate change. Since the adoption of this resolution, staff has been actively developing a Climate Protection Leadership Program.

DISCUSSION

In developing a Climate Protection Leadership Program, staff assessed the extent of ongoing efforts to address climate change by federal, State, and local government agencies, other nongovernmental and international organizations, and private businesses. In the process of gathering a wide range of climate change information, staff has met with numerous stakeholders, attended conferences and lectures, and participated in various climate change events. Staff has also evaluated the integration of climate protection activities within existing District programs.

Recent staff activities in developing the Climate Protection Leadership Program are described below and will be discussed in further detail at the Ad Hoc Committee meeting.

Outreach and Education

As part of the outreach and education for the District Climate Protection Leadership Program, staff has developed a web site and made educational presentations to outside organizations, as well as to District staff.

Website: Staff began outreach and education efforts for the Climate Protection Leadership Program by establishing a web site focusing on climate change issues. The web site provides an overview of climate change, describes the pollutants that contribute to it, summarizes potential impacts of climate change on California and the Bay Area, and discusses linkages between current District programs and climate change and climate protection (see www.baaqmd.gov/pln/climatechange.htm).

Speaking Engagements: Staff made presentations about the District's Climate Protection Leadership Program at the California Biodiesel Symposium in San Diego, at World Environment Day workshops in San Francisco, and at the National Association of Regional Councils Conference in Monterey.

Internal Education: The District is conducting an internal education campaign on climate change. Staff has made presentations on climate change to the Advisory Council, and the Advisory Council and staff have presented information on climate change to the Executive Committee. Diane Wittenberg, President of the California Climate Action Registry, addressed a joint meeting of the Advisory Council, Air Quality Planning and Technical Committees. Presentations have also been made to District staff in various divisions.

Climate Change Summit: Staff is preparing to host a regional climate change summit in the spring or summer of 2006. Staff is currently bringing together regional stakeholders to form a steering committee to design a summit that will be informative to local stakeholders, promote collaboration, and that will be effective in addressing climate change issues in the Bay Area. Staff intends for the steering committee and regional summit to foster continuing dialogue and networking after the summit's conclusion.

Collaboration with and Participation in Local Efforts

District staff has already been active in collaborating with local efforts by participating in conferences and with local organizations.

Conferences: Staff has participated in the following conferences on climate change;

- California Biodiesel Symposium, San Diego, November 2005
- First Scientific Conference West Coast Governors' Global Warming Initiative Conference, Sacramento, September 2005
- Bioneers Conference, San Rafael, October 2005
- National Association of Regional Councils Conference, Monterey, June 2005
- World Environment Day, June 2005
- Green City Visions Conference, May 2005
- California Climate Action Registry Conference, April 2005
- Climate Protection Conference, Santa Rosa, March 2005
- CPUC Climate Change Policy En Banc, San Francisco, February 2005

In addition, Board members Shelia Young and Roberta Cooper attended the Mayors' Summit in Sundance, Utah in July 2005.

California Climate Action Registry: The District is a member of the California Climate Action Registry, a voluntary registry that promotes actions among member organizations to reduce greenhouse gas emissions. As a member of the registry, the District prepared an in-house inventory of the greenhouse gases generated by District activities. This will allow the District to set emission reduction goals for the agency and track progress.

Sustainable Silicon Valley: The District is a member of Sustainable Silicon Valley, a group of businesses, local governments, and nongovernmental organizations in San Mateo, Santa Clara, northern Santa Cruz, and southern Alameda Counties that are addressing environmental issues, such as climate change. This organization meets monthly and hosts regular educational sessions on topics like greenhouse gas emission reduction and renewable energy. On November 16, 2005 Sustainable Silicon Valley held a media event to release their First Annual Report of CO₂ Reductions. Jack Colbourn, Interim Director of Outreach and Incentives, spoke at this event on behalf of the District.

Sonoma County: The District funded a study prepared by the Climate Protection Campaign and the Community Clean Water Institute entitled *Report on the Integration of Air Quality Management and Climate Protection, June 2005*. This two part study developed a detailed greenhouse gas emission inventory for Sonoma County and analyzed potential integration of air quality management and climate protection efforts throughout the District. Ann Hancock, Coordinator for the Sonoma County Climate Protection Campaign will make a presentation summarizing this work at the Ad Hoc Committee meeting.

International Council for Local Environment Initiatives (ICLEI): Currently 17 Bay Area counties and cities participate in the Cities for Climate Protection Campaign led by ICLEI. Through this program ICLEI enlists local governments to adopt policies and implement measures to reduce local greenhouse gas emissions. District staff keeps in contact with participants. Most recently it was announced that ICLEI and the Berkeley-based Kyoto USA, will be assisting the Alameda County Conference of Mayors in creating a greenhouse gas emissions reduction plan.

Regional Emissions Inventory:

In order to establish an understanding of the magnitude and sources of greenhouse gas emissions in the Bay Area and to assist in developing emission reduction programs, staff is developing a region wide emissions inventory of greenhouse gas emissions from stationary, area, and mobile sources. The inventory will be useful in integrating climate protection activities into current air quality programs and to provide a baseline for comparison with future emission reduction efforts. Additionally, the inventory will assist Bay Area stakeholders in determining the sources of greenhouse gas emissions in their jurisdictions and in setting targets for emissions reductions.

BUDGET CONSIDERATION / FINANCIAL IMPACT:

Staff time necessary to evaluate and develop the District's Climate Protection Leadership Program is included in existing staff resources. Some additional funds have been budgeted for outreach and educational activities. These costs are included in the District's FY 2005/06 budget.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Ana Sandoval
Reviewed by: Dave Vintze

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
Memorandum

To: Chairperson Townsend and Members
of the Ad Hoc Committee on Climate Change

From: Jack P. Broadbent
Executive Officer/APCO

Date: December 8, 2005

Re: Integration of Air Quality Management and Climate Protection

RECOMMENDED ACTION

None. For information only.

BACKGROUND

Since the June 1, 2005 adoption of the Board resolution establishing the District's Climate Protection Leadership Program, staff has been evaluating how to integrate the activities associated with this new program with existing District activities. The extent of the integration will depend on the scope of activities that the District will eventually pursue in the Climate Protection Leadership Program, which continues to be evaluated. The previous Agenda item provided the most recent summary of District actions to date in developing the Climate Protection Leadership Program and integration into existing District programs.

DISCUSSION

The District has the capacity to integrate a climate protection program with many of its current functions. Opportunities for such integration are summarized below and will be discussed in more detail at the Ad Hoc Committee meeting.

Below are activities to which the District is committed and to which staff is dedicating resources.

Conferences and Workshops

Because of the many separate and ongoing local climate protection efforts in the Bay Area, the District can play an important role in aiding collaboration in these efforts. Staff is organizing a regional summit intended to bring together local stakeholders, including public agencies, nongovernmental organizations, and the business sector to learn from one another's experiences in developing climate change programs and to encourage additional activities for local and regional efforts. As an important step leading up to this conference, staff is convening a regional committee of key stakeholders and local experts

to obtain input in creating the most informative and effective summit possible. Staff intends for the steering committee and regional summit to foster continuing dialogue and networking after the summit's conclusion and may host follow up workshops and forums to that effect.

In addition, the District is cosponsoring the Air and Waste Management Association's International Conference on Climate Change to be held in San Francisco in early March 2006.

Collaboration with Local Governments, Stakeholders, and the State

The District could develop model ordinances or guidance documents for adoption or use by local jurisdictions that address sources of greenhouse gas emissions. These could include energy efficiency standards and programs, diesel engine idling restrictions, green contracting and procurement practices, urban heat island prevention standards, and other strategies.

District staff will continue working with local organizations in ongoing efforts that address climate protection, such as Sustainable Silicon Valley and the California Climate Action Registry. Additionally, staff will keep abreast of policy changes and will work with State agencies as they develop guidelines for climate protection programs, including requirements for developing and maintaining emissions inventories.

Planning

Climate protection is already being included in the District's activities. The District's climate protection efforts are summarized in the Draft 2005 Ozone Strategy, and a majority of the control measures in the 2005 Ozone Strategy will also reduce greenhouse gas emissions.

The District is preparing to update its CEQA guidelines, which presents an opportunity to integrate climate protection impact analysis and mitigation in the CEQA process. This could address greenhouse gas emissions from both project construction and project operation.

Public Education and Outreach

The outreach programs administered by the District are naturally suited to educate the public on climate change and climate protection. Staff will develop printed material, brochures, and fact sheets on climate change and climate protection. These materials on climate change will be distributed not only at numerous public events, but also by other staff when they contact the public.

District staff will expand the information available through the District web site. Staff will continue to track efforts in emissions reductions and energy efficiency, and will publish information on best practices in energy efficiency by governments, businesses, and other organizations. In addition, staff is currently evaluating the development of an information clearinghouse that will contain facts on local, statewide and international initiatives, area contacts, sources for climate news, and other helpful information.

In the future, District staff may partner with other agencies and organizations in public outreach efforts. These partnerships would allow the District additional venues and resources for public education on climate change. One opportunity under consideration is the development of educational material and a curriculum for local schools that will be used to educate the students on climate change. The District is also considering developing public outreach literature on climate change for distribution to employers and their employees that are already a part of the Spare the Air notification program. The information provided through these outreach programs would be designed to educate the public on how to reduce their own personal impact on climate change.

Other potential activities under consideration include grants programs, emissions tracking and in-house energy efficiency, all described below in further detail.

Grants

The District could create an incentive program to encourage greenhouse gas emission reduction projects. This program may be administered solely by the District or in partnership with other organizations. The program may target greenhouse gas emissions from older, less energy efficient appliances, vehicle fleets, off-road equipment, and other sources. The District could also consider grants for planning studies that target or include energy efficiency and greenhouse gas emissions reduction goals, policies or programs. The District has already issued a few grants related to energy efficiency and climate change: an energy efficiency program in Bayview Hunters Point, an alternate energy project at the Pleasant Hill BART station, and a climate protection study in Sonoma County.

The District's TFCA grant program already tracks carbon dioxide emissions savings for funded projects. The District could examine ways to incorporate climate protection into existing grant programs.

Emissions Tracking

The District's permitting process affords an opportunity to track greenhouse gas emissions by individual permitted stationary sources. Including greenhouse gas emissions estimates by source as part of the permitting process would help the District compile and track a more accurate emission inventory and identify where emissions reductions could be targeted. Maintaining a greenhouse gas emissions inventory could also have the additional benefit of tracking emission reductions of criteria pollutants from activities that are not normally easy to track, such as emission reductions from energy efficiency, smart growth and other land use policies.

In-House Energy Efficiency

The District will review its in-house greenhouse gas emissions inventory, conducted as part of its membership in the California Climate Action Registry. Staff is already investigating energy use of building appliances and brainstorming on ways to reduce the energy demand of the building. As part of this work, staff may develop an internal

energy efficiency plan to reduce greenhouse gas emissions, implement energy savings measures and track our progress.

District staff will continue to look at additional opportunities for integrating climate protection with existing District activities. Staff may expand on the efforts described above and may consider integration with activities in enforcement, air monitoring and stationary source testing, or other sections.

BUDGET CONSIDERATION / FINANCIAL IMPACT:

Staff time necessary to evaluate and develop the District's Climate Protection Leadership Program is included in existing staff resources. Some additional funds have been budgeted for outreach and educational activities. These costs are included in the District's FY 2005/06 budget.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

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