



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

ADVISORY COUNCIL REGULAR MEETING

TUESDAY
JULY 19, 2016
10:00 A.M.

1ST FLOOR BOARD
375 BEALE STREET
SAN FRANCISCO, CA 94105

AGENDA

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

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

Staff/Phone (415) 749-

2. **APPROVAL OF THE MINUTES OF APRIL 25, 2016**

Clerk of the Boards/5073

The Advisory Council will consider approving the draft minutes of the Advisory Council Regular Meeting of April 25, 2016.

3. **WELCOME**

J. Broadbent/5052
jbroadbent@baaqmd.gov

The Executive Officer/APCO will address the Council.

4. **PUBLIC COMMENT ON AGENDA MATTERS**

Pursuant to Government Code Section 54954.3, the public has the opportunity to speak on any agenda item. All agendas for Council meetings are posted at the Air District, 375 Beale Street, San Francisco, California 94105 at least 72 hours before a meeting.

This meeting will be webcast. To see the webcast, please visit <http://www.baaqmd.gov/The-Air-District/Board-of-Directors/Agendas-and-Minutes.aspx> at the time of the meeting.

5. **UPDATE ON REFINERY RULEMAKING**

J. McKay/4629
jmckay@baaqmd.gov

Air District staff will provide an update on refinery rulemaking.

6. **COUNCIL DELIBERATION ON KEY QUESTION**

J. McKay/4629
jmckay@baaqmd.gov

The Council will discuss the efficacy of GHG caps for local refineries, considering information provided to date. The discussion may include topics such as toxics co-benefits, the reduction of emissions from sources not covered by Cap-and-Trade, leakage and opportunity costs.

7. **CLEAN AIR PLAN AS A FRAMEWORK FOR FUTURE COUNCIL TOPICS**

J. McKay/4629
jmckay@baaqmd.gov

The Air District is updating the 2010 Bay Area Clean Air Plan. The updated Clean Air Plan/Regional Climate Protection Strategy will be a roadmap for the Air District's efforts over the next few years to reduce air pollution and protect public health and the global climate. Staff will present an overview of the Clean Air Plan and discuss the Plan as a focus for upcoming Advisory Council direction.

OTHER BUSINESS

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

Pursuant to Government Code Section 54954.3, an opportunity is provided for the public to speak on any subject within the Council's purview. Speakers are typically limited to three minutes each.

9. **COUNCIL MEMBER COMMENTS / OTHER BUSINESS**

Council members may make a brief announcement, provide a reference to staff about factual information or ask questions about subsequent meetings.

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

At the call of the Chair.

11. **ADJOURNMENT**

The Council meeting shall be adjourned by the Chair.

CONTACT:

MANAGER, EXECUTIVE OPERATIONS
375 BEALE STREET, SAN FRANCISCO, CA 94105
mmartinez@baaqmd.gov

(415) 749-5016
FAX: (415) 928-8560
BAAQMD homepage:
www.baaqmd.gov

- To submit written comments on an agenda item in advance of the meeting. Please note that all correspondence must be addressed to the “Members of the Advisory Council” and received at least 24 hours prior, excluding weekends and holidays, in order to be presented at that Council meeting. Any correspondence received after that time will be presented to the Council at the following meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.

Accessibility and Non-Discrimination Policy

The Bay Area Air Quality Management District (Air District) does not discriminate on the basis of race, national origin, ethnic group identification, ancestry, religion, age, sex, sexual orientation, gender identity, gender expression, color, genetic information, medical condition, or mental or physical disability, or any other attribute or belief protected by law.

It is the Air District’s policy to provide fair and equal access to the benefits of a program or activity administered by Air District. The Air District will not tolerate discrimination against any person(s) seeking to participate in, or receive the benefits of, any program or activity offered or conducted by the Air District. Members of the public who believe they or others were unlawfully denied full and equal access to an Air District program or activity may file a discrimination complaint under this policy. This non-discrimination policy also applies to other people or entities affiliated with Air District, including contractors or grantees that the Air District utilizes to provide benefits and services to members of the public.

Auxiliary aids and services including, for example, qualified interpreters and/or listening devices, to individuals who are deaf or hard of hearing, and to other individuals as necessary to ensure effective communication or an equal opportunity to participate fully in the benefits, activities, programs and services will be provided by the Air District in a timely manner and in such a way as to protect the privacy and independence of the individual. Please contact the Non-Discrimination Coordinator identified below at least three days in advance of a meeting so that arrangements can be made accordingly.

If you believe discrimination has occurred with respect to an Air District program or activity, you may contact the Non-Discrimination Coordinator identified below or visit our website at www.baaqmd.gov/accessibility to learn how and where to file a complaint of discrimination.

Questions regarding this Policy should be directed to the Air District’s Non-Discrimination Coordinator, Rex Sanders, at (415) 749-4951 or by email at rsanders@baaqmd.gov.

Any writing relating to an open session item on this Agenda that is distributed to all, or a majority of all, members of the body to which this Agenda relates shall be made available at the District's offices at 375 Beale Street, Suite 600, San Francisco, CA 94105, at the time such writing is made available to all, or a majority of all, members of that body.

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

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

JULY 2016

<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)</i> - CANCELLED	Monday	18	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i> - CANCELLED	Monday	18	10:30 a.m.	1 st Floor Board Room
Board of Directors Public Engagement Committee <i>(At the Call of the Chair)</i>	Monday	18	9:30 a.m.	1 st Floor Board Room
Advisory Council Meeting <i>(Meets at the Call of the Chair)</i>	Tuesday	19	10:00 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	20	9:45 a.m.	1 st Floor Board Room
Board of Directors Climate Protection Committee <i>(Meets on the 3rd Thursday of every other Month)</i> - CANCELLED	Thursday	21	9:30 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i> - CANCELLED	Wednesday	27	9:30 a.m.	1 st Floor Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i> - CANCELLED	Thursday	28	9:30 a.m.	1 st Floor Board Room

AUGUST 2016

<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> - CANCELLED	Wednesday	3	9:45 a.m.	1 st Floor Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i> - CANCELLED	Monday	15	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i> - CANCELLED	Monday	15	10:30 a.m.	1 st Floor Board Room

AUGUST 2016

<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> - CANCELLED	Wednesday	17	9:45 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i> - CANCELLED	Wednesday	24	9:30 a.m.	1 st Floor Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i> - CANCELLED	Thursday	25	9:30 a.m.	1 st Floor Board Room

SEPTEMBER 2016

<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	7	9:45 a.m.	1 st Floor Board Room
Board of Directors Climate Protection Committee <i>(Meets on the 3rd Thursday of every other Month)</i>	Thursday	15	9:30 a.m.	1 st Floor Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	19	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	19	10:30 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	21	9:45 a.m.	1 st Floor Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	22	9:30 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	28	9:30 a.m.	1 st Floor Board Room

HL – 7/7/16 (9:10 a.m.)

G/Board/Executive Office/Moncal

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Stan Hayes and Members
of the Advisory Council

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

Date: July 8, 2016

Re: Approval of the Minutes of April 25, 2016

RECOMMENDED ACTION

Approve the attached draft minutes of the Advisory Council meeting of April 25, 2016.

DISCUSSION

Attached for your review and approval are the draft minutes of the Council meeting of April 25, 2016.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Marcy Hiratzka
Reviewed by: Maricela Martinez

Attachment 2A: Draft Minutes of the Advisory Council Meeting of April 25, 2016

Draft Minutes – Advisory Council Regular Meeting of April 25, 2016

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

DRAFT MINUTES

Advisory Council Regular Meeting
Monday, April 25, 2016

*Note: An audio recording of the meeting is available on the website of the
Bay Area Air Quality Management District at
<http://www.baaqmd.gov/about-the-air-district/advisory-council/agendasreports>*

1. CALL TO ORDER

Advisory Council (Council) Member Stan Hayes called the meeting to order at 9:05 a.m.

Roll Call:

Present: Council Chair Hayes, Council Vice Chair Kleinman, and Members: Professor Borenstein, Ms. Doduc, Dr. Harley, Dr. Lipman, and Dr. Long.

Absent: None.

Also Present: Cupertino Councilman Rod Sinks, Board of Directors (Board) Liaison.

Opening Comments: Chair Hayes thanked Council Members, District staff, and presenters for attending, and remarked that the Council was very interested in the upcoming presentations. He also gave an overview of the agenda

2. APPROVAL OF THE MINUTES OF DECEMBER 3, 2015 AND FEBRUARY 3, 2016

Vice Chair Kleinman made a motion, seconded by Member Harley, to approve the minutes of December 3, 2015; and the motion carried by the following vote of the Council:

AYES: Harley, Hayes, Kleinman, and Lipman.
NOES: None.
ABSTAIN: Borenstein and Doduc.
ABSENT: Long.

Member Harley made a motion, seconded by Member Borenstein, to approve the minutes of February 3, 2016; and the motion carried by the following vote of the Council:

AYES: Borenstein, Hayes, Harley, Kleinman, and Lipman.
NOES: None.
ABSTAIN: Doduc.
ABSENT: Long.

3. WELCOME

Jack Broadbent, Executive Officer/Air Pollution Control Officer, noted the District’s recent rulemakings that are directed at refineries and the implementation of the Air Quality Management Plan, all of which raise the issue of the efficacy of greenhouse gas (GHG) caps for local refineries. Mr. Broadbent explained that, upon receiving presentations from a variety of organizations that were invited to give input on the topic, the Advisory Council would be asked to deliberate on the efficacy of numeric caps on GHGs from Bay Area refineries and give input to the Board of Directors in June 2016.

4. PUBLIC COMMENT ON AGENDA MATTERS

No requests received.

5. PRESENTATION ON CRUDE SLATE AT LOCAL REFINERIES

Chair Hayes introduced Gordon Schremp, Senior Fuels Specialist for the California Energy Commission, who gave the presentation *California Refinery Overview and San Francisco Bay Area Crude Oil Slate*, including: transportation fuel infrastructure overview; western states are more isolated than the rest of the US; California refineries; San Francisco Bay Area refineries and activity; Crude oil sources at San Francisco Bay Area refineries; refineries and process units; refineries must maintain balance; and crude oil variability poses a challenge.

Council Comments:

The Council and staff discussed which refineries are not connected to pipelines; the possible future decline of crude oil production in the San Joaquin Valley; the export destinations of Bay Area-made refined products; and the balance of California Air Resources Board (CARB) transportation fuel in relation to Environmental Protection Agency (EPA) transportation fuel.

Presentation Continued:

Mr. Schremp continued the presentations with slides including: crude oil slate; Crude oil properties (2006-2015); Distillation profile- crude oil yields vary; annual and monthly crude oil properties in 2015; variability of crude oil on the west coast; refiners blend crude oil; importance of blending; and crude oil carbon intensity (non-California sources).

Council Comments Continued:

The Council and staff discussed estimated differences in GHG emissions based on the processing of lighter or heavier crudes; the increase of Sulfur in crude oil; volume weighted carbon intensities for California sources compared to higher carbon intensity (CI) outliers; the increase in crude by rail projects that is to be approved over time; and speculation whether or not

California facilities will be able to meet the growing demand for crude oil supply sources outside of the United States.

NOTED PRESENT: Member Long was noted present at 10:14 a.m.

6. PRESENTATION ON LOW CARBON FUEL STANDARD (OUT OF ORDER, ITEM 7)

Chair Hayes introduced Sam Wade, Transportation Fuels Branch Chief for the California Air Resources Board, who gave the presentation *Low Carbon Fuel Standard (LCFS)*, including: what is the low carbon fuel standard; LCFS objectives; how does LCFS work, over-compliance has created a large credit bank; volumes of low carbon fuels continue to grow; advanced fuels contributing a growing share of LCFS credits; outline; and California average crude oil incremental deficit provision.

Council Comments:

The Council and staff discussed the legal challenges to re-adoption of the program, and whether or not the required statewide ten percent reduction by 2020 in the CI of transportation fuels has changed since the program's original inception; the carbon intensity of grams per mega joule (MJ) of tailpipe emissions within the lifecycle of emissions associated with California Reformulated Gasoline Blendstock for Oxygenate Blending (CARBOB); the process by which CI is assessed and valued; the fact that this program does not include a provision that would automatically adjust it downward over time if the CI improved, and CARB's ability to detect potential trends towards increases in CI; carbon capture and storage; how fugitive emissions are addressed by the program; whether or not CARB plans to incorporate the Aliso Canyon gas leak into the LCFS and the associated mitigation plan which is publicly available; and the economic analysis of the program.

Presentation Continued:

Mr. Wade continued the presentation with slides including: California crude slate: 2010-2014; credits for producing crude using innovative methods; refinery investment credit; and renewable hydrogen refinery credit.

Council Comments Continued:

The Council and staff discussed the LCFS credit eligibility in the event of refinery equipment shutdown or improvement in efficiency; the shift in opportunities for refineries to be eligible for LCFS credits; and the effect that the large credit bank, due to over-compliance, will have on CARB's CI reduction goals.

7. PERSPECTIVES ON EFFICACY OF GREENHOUSE GAS (GHG) CAPS FOR LOCAL REFINERIES (ITEM 6)

Chair Hayes explained that four groups had been invited to present their perspectives on this topic prior to the Council's deliberation. Invitees included: Communities for a Better Environment, 350 Bay Area, the Western States Petroleum Association, and the California Council for Environmental and Economic Balance.

Communities for a Better Environment (CBE)

Greg Karras gave the presentation *Bay Area Refinery “Caps” Proposal: Rule 12-16*, including: introduction; environmental setting; goals to attain by 2050; a request that the Air District refrain from committing to new capital for tar sands oil infrastructure; fuel cycle GHG footprint based on the properties of feedstock oils used; the signal of pricing policies dependent upon the locations of oil sources and markets; refinery feedstock quality impacts, mechanisms, scale, and the prediction of emission impacts of a new oil feedstock at the refinery level which may require more detailed data; key trends; and Bay Area refiners’ exports compared to other west coast refining centers.

Council Comments:

The Council, staff, and presenters discussed: the difference between proposing an overall mass cap and proposing mass emission limits; the absence of facility-wide limits for any particular pollutant at the refineries; the Air District’s protocol for adopting and amending command and control regulations on processes at refineries and imposing limits on processes and equipment to comply with new source review limits; leakage resulting from emission reduction; a detailed explanation of CBE’s proposed cap of GHGs at the current level; and the inapplicability of LCFS and Cap and Trade when exporting fuel out of California.

The meeting was adjourned for lunch at 12:18 p.m. The meeting reconvened at 1:08 p.m.

Western States Petroleum Association (WSPA) and California Council for Environmental and Economic Balance (CCEEB)

Chair Hayes introduced Bill Quinn, Vice President of CCEEB, who stated that WSPA and CCEEB agreed to combine their presentations into one that would be given by Gary Rubenstein, Senior Partner at Sierra Research. The presentation *The Efficacy of Greenhouse Gas Emission Caps at Local Refineries* included a discussion on what problem are we trying to solve; effective policy making; effect on fuel demand; and fuel costs and the possibility of local shortages.

Council Comments:

The Council, staff, and presenters discussed: reduced local capacity resulting in decreased excess capacity for exporting gasoline from the Bay Area refineries, rather than resulting in increased imports from elsewhere in California and outside the state with accompanying higher transportation costs and emissions; the resiliency of the transportation fuel market in its current form, elasticity of demand, and the lack of gasoline price control in California.

Presentation Continued:

Mr. Rubenstein continued the presentation with slides including: reduced efficiency of Cap and Trade; an inefficiency example: combustion vs. refining of transportation fuels, which he claimed produced no reduction in statewide GHG emissions; impact of a refinery outage on gasoline supply sources; no reductions in other/local pollutants; and conclusions.

NOTED PRESENT: Board Liaison Sinks was noted present at 2:10 p.m.

Council Comments Continued:

The Council, staff, and presenters discussed how a refinery's compliance with LCFS mandates may affect GHG emissions; credits and benefits associated with the crude provision of the LCFS; how statewide CI value that exceeds the threshold for all refiners would result in incremental deficits; how a refinery may theoretically re-optimize or change its behavior if a cap on GHG emissions was imposed; export trends in the Bay Area; projections of tar sands in the Bay Area; the possibility of changing the blends to lower carbon mixes and improving the carbon emission profile; how a GHG emissions cap on refineries may affect the Cap and Trade market; a list of local recommendations written by CARB that will achieve GHG reductions in lieu of imposing a cap on refineries; challenges of meeting AB32 goals by 2020; and the labeling of one particular industrial sector as the largest stationary source of GHG emissions, when other human behaviors and sources generate to GHG emissions.

8. COUNCIL DELIBERATION

The Council deliberated on the efficacy of GHG caps for local refineries, considering information provided to date.

The deliberation included the following principles:

- Fairness is important but make sure the measures work
- Make sure global GHG emissions are actually reduced/Beware of leakage
- Appeals to leadership need to be grounded in plausible pathways
- Needs to be alignment between goals and methods
- CARB is not addressing fugitive emissions in the climate regulatory framework
- The possibility of controlling the crude source to address GHG is not included in the low carbon fuel standard (LCFS)
- Rely on Air District tools for toxics and criteria pollutants
- Regulatory landscape is complicated; regulations should be complementary and non-conflicting
- Co-benefits justify GHG caps only if criteria pollutants cannot be monitored and controlled directly
- Evaluate the effectiveness of GHG reduction options
- Increase GHG emission monitoring of FCC units; more real data is needed (consider CARB's monitoring methods)
- Integrated top-down monitoring of refineries is needed

The deliberation included the following conclusions:

- The proposals for a cap were made to address real problems and issues, but it is less clear that a cap would be the best way to address those real problems and issues.
- We heard two points in support of a GHG cap. The first was co-pollutants, which should be addressed directly. The second was GHG reductions, which only matter globally, and it remains unclear whether this intervention would reduce global GHG emissions.

- For co-pollutants, regulations on flare gas, flare stacks, FCC, process boilers and heaters, and cokers are excellent foci for air pollution control
- Evaluate the effectiveness of GHG reductions more systematically
- The District has a role to play in collaborating with CARB to develop a climate regulatory approach to fugitive methane emissions
- We should explore ways and means to encourage or require the refining industry to reduce GHG emissions by methods other than including a cap – must reduce global emissions and should be methods beyond those already incorporated by CARB
- The majority of the Advisory Council is not convinced that facility-level caps on GHG emissions will be effective in mitigating climate change.

The Council and staff discussed: the possibility of the Board taking a formal position on what CARB should be doing statewide, as opposed to just locally; leakage minimization and preparedness; potential future presentations on Energy Information Administration data regarding how much trade occurs and market variations over time as evidence for nationwide leakage and on how CARB deals with fugitive emissions; and the Air District's four options for combustion emissions reductions at refineries that will be introduced at the June 1, 2016 Stationary Source Committee meeting, their evaluation criteria, and scheduling the Advisory Council's review of these four options.

The deliberation was publicly transcribed by the Clerk of the Boards and will be finalized by staff for the Council's review before it is submitted to the Board of Directors.

OTHER BUSINESS

9. PUBLIC COMMENT ON NON-AGENDA MATTERS

None requests received.

10. COUNCIL MEMBER COMMENTS / OTHER BUSINESS

Chair Hayes announced that the Air and Waste Management Association's 109th Annual Conference will be held from June 20-23, 2016 in New Orleans, LA, and Advisory Council members who wish to attend need to let District staff know.

11. TIME AND PLACE OF NEXT MEETING:

At the call of the Chairperson.

12. ADJOURNMENT

The meeting adjourned at 4:38 p.m.

Marcy Hirtzka
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Stan Hayes and Members
of the Advisory Council

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

Date: July 11, 2016

Re: Update on Refinery Rulemaking

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

On October 15, 2014, the Board of Directors approved Resolution Number 2014-07 directing staff to develop strategies to reduce emissions from petroleum refineries. Specifically, the resolution directed staff to continue development of Regulation 12, Rule 15: Petroleum Refining Emissions Tracking (“Rule 12-15”) to track and monitor refinery emissions; to develop Regulation 12, Rule 16 (“Rule 12-16”) to set emissions thresholds and mitigate potential emissions increases; and to develop additional rules to reduce emissions from refineries by 20% by 2020, or as much as feasible.

As part of these efforts, the Advisory Council was presented with a key question presented in December of 2015 which was to consider the efficacy of Greenhouse Gas emission caps on local refineries. The Advisory Council was presented information from various stakeholders and experts that included representatives from the California Air Resources Board, Air District staff, the California Energy Commission, representatives from environmental organizations led by Communities for a Better Environment and representatives from industry led by the Western States Petroleum Association and the California Council for Environmental and Economic Balance. The Advisory Council discussed the issues presented and Chair Stan Hayes provided a summary of the Council’s deliberations and preliminary conclusions at the June 15, 2016 Board of Directors meeting.

DISCUSSION

Staff have developed proposals for Board of Directors consideration to address emissions from refineries and will update the Council on these proposals.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Eric Stevenson
Reviewed by: Jean Roggenkamp

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
Memorandum

To: Chairperson Stan Hayes and Members
of the Advisory Council

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

Date: July 11, 2016

Re: Council Deliberation on Key Question

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

The Council will discuss the efficacy of GHG caps for local refineries, considering information provided to date. The discussion may include topics such as toxics co-benefits, the reduction of emissions from sources not covered by Cap-and-Trade, leakage and opportunity costs.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Jeff McKay

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Stan Hayes and Members
of the Advisory Council

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

Date: July 11, 2016

Re: Clean Air Plan as a Framework for Future Council Topics

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

The Air District is updating the 2010 Bay Area Clean Air Plan. The updated Clean Air Plan/Regional Climate Protection Strategy will be a roadmap for the Air District's efforts over the next few years to reduce air pollution and protect public health and the global climate. The 2016 Plan is required by the California Clean Air Act to identify potential rules, control measures, and strategies for the Air District to implement in order to meet state ambient air quality standards for ozone or "smog."

The 2016 Plan will also include measures and programs to reduce emissions of fine particulates and toxic air contaminants. In addition, the Bay Area's first-ever comprehensive Regional Climate Protection Strategy will be included in the 2016 Plan - which will identify potential rules, control measures, and strategies that the Air District can pursue to reduce greenhouse gases throughout the Bay Area.

Staff will present an overview of the Clean Air Plan and discuss the Plan as the next focus for the Advisory Council.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Jeff McKay