



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

## ADVISORY COUNCIL MEETING

WEDNESDAY  
JUNE 8, 2011  
9:00 A.M.

7<sup>TH</sup> FLOOR BOARD ROOM  
939 ELLIS STREET  
SAN FRANCISCO, CA 94109

### AGENDA

#### CALL TO ORDER

Opening Comments  
Roll Call

Ken Blonski, Chairperson  
Clerk

#### PUBLIC COMMENT PERIOD

*Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3. The public has the opportunity to speak on any agenda item. All agendas for Advisory Council meetings are posted at the District, 939 Ellis Street, San Francisco, at least 72 hours before a meeting. At the beginning of the meeting, an opportunity is also provided for the public to speak on any subject within the Council's purview. Speakers are limited to three minutes each.*

#### CONSENT CALENDAR

1. Approval of Minutes of the May 11, 2011 Advisory Council Meeting.

#### PRESENTATION: ULTRAFINE PARTICLES

2. Ultrafine Particles: Sources and Characteristics

*Speakers from the Desert Research Institute and UC, Davis will present materials on ultrafine particles - sources and characteristics:*

##### **A. Mobile Source Ultrafine Particle Emissions: Past, Present and Future**

Barbara Zielinska, Ph.D.  
Director, Organic Analytical Laboratory  
Division of Atmospheric Sciences  
Desert Research Institute

## **B. Physical, Chemical and Toxicological Properties of Ambient Ultrafine Particles and their Sources**

Anthony S. Wexler, Ph.D.  
Professor, Civil and Environmental Engineering  
Director of Air Quality Research Center  
UC Davis

### **PANEL DISCUSSION**

#### 3. Ultrafine Particles: Sources and Characteristics

*The speakers will convene as a panel for a discussion with the Advisory Council and Air District staff on ultrafine particles - sources and characteristics, and the implications for the Air District's regulatory agenda, legislative agenda, and programs.*

### **OTHER BUSINESS**

#### 4. 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.*

#### 5. Time and Place of Next Meeting

*Wednesday, July 13, 2011, at 9:00 a.m. at 939 Ellis Street, San Francisco, CA 94109.*

#### 6. Adjournment

**CONTACT EXECUTIVE OFFICE - 939 ELLIS STREET SF, CA 94109**

**(415) 749-5130**  
**FAX: (415) 928-8560**  
**BAAQMD homepage:**  
**[www.baaqmd.gov](http://www.baaqmd.gov)**

- To submit written comments on an agenda item in advance of the meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- To request special accommodations for those persons with disabilities notification to the Clerk's Office should be given in a timely manner, 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. Such writing(s) may also be posted on the District's website ([www.baaqmd.gov](http://www.baaqmd.gov)) at that time.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
939 ELLIS STREET, SAN FRANCISCO, CALIFORNIA 94109  
(415) 771-6000**

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

**JUNE 2011**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	1	9:45 a.m.	Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>	Thursday	2	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room
<b>Board of Directors Public Outreach Committee</b> <i>(At the Call of the Chair)</i>	Monday	6	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room
<b>Advisory Council Meeting</b>	Wednesday	8	9:00 a.m.	Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	15	9:45 a.m.	Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i> - RESCHEDULED TO JUNE 2, 2011	Thursday	23	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>	Thursday	30	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room

**JULY 2011**

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	6	9:45 a.m.	Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(At the Call of the Chair)</i>	Thursday	7	9:30 a.m.	Board Room
<b>Advisory Council Meeting</b>	Wednesday	13	9:00 a.m.	Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	20	9:45 a.m.	Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>	Thursday	28	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room

## AUGUST 2011

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	3	9:45 a.m.	Board Room
<b>Advisory Council Meeting</b>	Wednesday	10	9:00 a.m.	Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	17	9:45 a.m.	Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets 4<sup>th</sup> Thursday each Month)</i>	Thursday	25	9:30 a.m.	4 <sup>th</sup> Floor Conf. Room

HL – 5/26/11 (9:26 a.m.)

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BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Memorandum

To: Chairperson Blonski and  
Members of the Advisory Council

From: Jack P. Broadbent  
Executive Officer/APCO

Date: June 1, 2011

Re: Advisory Council's Draft Meeting Minutes of May 11, 2011

RECOMMENDED ACTION

Approve attached draft minutes of the Regular Advisory Council meeting of May 11, 2011.

DISCUSSION

Attached for your review and approval are the draft minutes of the May 11, 2011 Advisory Council meeting.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Gary Kendall  
Reviewed by: Rex Sanders

Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109  
(415) 749-5000

**DRAFT MINUTES**

Advisory Council Regular Meeting  
9:00 a.m., Wednesday, May 11, 2011

**CALL TO ORDER**

**Opening Comment:** Chairperson Blonski called the meeting to order at 9:05 a.m.

**ROLL CALL**

**Present:** Chairperson Ken Blonski, M.S., Vice Chairperson Stan Hayes, and Council Members Sam Altshuler, Ph.D., Harold Brazil, Peter Chamberlin, John Holtzclaw, Ph.D., Liza Lutzker, Jane Martin, Ph.D., Kendall Oku, Jonathan Ruel and Dorothy Vura-Weis, M.D., M.P.H.

Council Members Jennifer Bard, Louise Bedsworth, and Gary Lucks, JD, CPEA, REA I arrived after the roll call was taken.

**Absent:** Secretary Robert Bornstein, Ph.D. and Council Members Jeffrey Bramlett, Benjamin Bolles, M.S., Jonathan Cherry, AIA, Alexandra Desautels and Kraig Kurucz

**Staff:** Brian Bunger, Air District Counsel  
Jean Roggenkamp, Deputy Air Pollution Control Officer

**Public Comment Period:** There were no public comments.

**CONSENT CALENDAR**

**1. Approval of Minutes of the April 13, 2011 Advisory Council Meeting:**

**Council Action:** Member Ruel made a motion to approve the minutes of the April 13, 2011 Advisory Council Meeting; Member Holtzclaw seconded the motion; carried unanimously without objection.

## **DISCUSSION**

### **2. Continued Discussion of Draft Report on the Advisory Council's March 9, 2011 Meeting on Ultrafine Particulate: Health Effects, Measurement and Analysis.**

The Advisory Council discussed the draft report that was in the agenda packet.

Member Vura-Weis commented that the composition of the ultrafine particulate matter (UFP) was important.

Vice Chairperson Hayes requested that a bullet point be added to page 3, stating there is poor correlation between UFP numbers and PM 2.5 mass concentrations and this raises the concern that control measures designed for PM 2.5 may not reduce UFP, and in some cases may actually increase UFP. He requested that headings for Air Quality, Emission Inventory, Exposure and Health Effects and Control Measures be added to make a clearer, more logical sequence. The changes were made on the draft report.

Member Lutzker stated that there is an exposure issue and the chemical processes may be part of the exposure issue.

Vice Chairperson Hayes noted that evaluating the effect of PM 2.5 control measures have on UFP, was not included in the recommendations. He stated that the speakers were clear, and there is no correlation.

Member Bedsworth talked about the value of a public health officer and remembered that this request had been made previously.

Ms. Roggenkamp responded that the Air District did create and recruit for the position of a Health Officer, however, in the meantime there has been a hiring freeze and the hiring has been put on hold. Staff recognizes the importance.

Member Altshuler suggested that the Health Officer recruitment should be raised to the highest priority after hiring freeze is over.

Chair Blonski said the recommendation will be kept in the draft and after the Advisory Council has heard other speakers adjustments can be made to have a flow in the recommendations.

There was discussion regarding whether or not the Advisory Council would make recommendations to the Board of Directors at this time, or wait until other speakers had been heard and more information gathered. It was suggested that the Advisory Council make a presentation to the Board reviewing the work that has been done thus far, and updating them on emerging issues of UFP. The recommendations would be done at a later time. The consensus

was to bring forward emerging issues so the Board knows the direction the Advisory Council is heading.

Ms. Roggenkamp stated that more speakers are scheduled, and additional information will help refine the current report. Going to the Board twice with recommendations could be confusing.

Member Lutzker stated that one recommendation already known is to hire the public health officer.

Chair Blonski stated that a spokesperson was needed to take the presentation to the Board.

Discussion continued regarding the title and functions of a Public Health Officer, whether that person would be a physician, and how the Air District currently looks at health effects.

Ms. Roggenkamp explained that the Air District has a toxicologist on staff in addition to staff in the CARE program. Staff review health studies, research materials and evaluate health risks. A Health Officer, if hired in the future, may not necessarily have M.D. credentials.

Member Vura-Weis said that the title of Health Officer means an M.D., and having a physician makes a difference. The Air District needs a Public Health Officer.

Member Altshuler added that the title could be Health Effects Officer, or be a Director.

Member Lutzker agreed that there is more credibility to have a M.D., but cautioned against pigeon holing the position. She stated that it is important to put this forward, if there is a lift in the hiring freeze, the Health Officer should be a priority.

Member Bard suggested that the Advisory Council give the Board a few bullet points about what the Advisory Council is thinking about and what the direction of the recommendations. A section titled "Going Forward" or something similar would be good. The Board may be left wondering if we leave it without some room for afterthought.

Member Lutzker said that emerging issues and potential recommendations could be brought to the Board. These are initial thoughts, and areas of concern where we see gaps.

Member Brazil noted that the report can explain that more speakers and presentations are forthcoming.

Member Holtzclaw suggested letting the Board of Directors know that the Advisory Council had dedicated a year to UFP issues, and bring them up to date.

Vice Chairperson Hayes suggested a heading or title of Advisory Council "Next Steps" rather than "Recommendations". Let them know that this is a work in progress and point the way to more specific conclusions. We are not ready for these recommendations. We've had

presentations, we have more coming, let the Board know that to date we are seeing these concerns.

**Council Action:** Member Vura-Weis made a motion to approve the draft report with the understanding that the subcommittee will summarize the comments from Members for inclusion in the report as Advisory Council “Next Steps” rather than “Recommendations”. The motion was seconded by Member Bard, and passed unanimously without opposition.

The Advisory Council then reviewed the slide show presentation. Mr. Altshuler presented the slide show and Members discussed the presentation and made comments and changes to be incorporated into the final presentation. A copy of the slide show is attached to these minutes.

Member Lutzker noted that the slides containing recommendations would be changed.

Member Altshuler said that the Recommendations would be changed to Next Steps, or On-going or Emerging Issues. He said that beyond measurements we need to know where the UFP are originating. Tracking of epidemiology and toxicology studies and providing information to the public would be greatly assisted by having a Public Health Officer on staff.

Member Lucks commented that the presentation was crisp and informative. Asked about adding a bullet to include the environmental effects of black carbon, which could be a sleeping giant in climate change. Black carbon is an issue and he would like to have one bullet for black carbon effects. On slides 8 and 9, rename Health and Environmental effects.

Member Holtzclaw thought the presentation was excellent. He suggested that when slide 4 is shown, that the presenters say mass or weight, so the audience understands.

Member Bard noted that semi-volatile organic compounds and metals listed on slide 11 are key contributors in health effects and that was a large part of the presentation by Dr. Froines.

Member Altshuler said there are many things that may or may not have health effect and he was trying not to get too specific in the presentation.

Member Vura –Weis said that slide 11 could say that the health effects are not well understood, but significant.

Vice Chairperson Hayes had a question about the accuracy of slide 6, and thought that particle mass should follow CO.

Member Bedsworth also thought this slide needed some additional explanation.

Member Vura-Weis said that the work group would look for a better slide to be used in the presentation.

Vice Chairperson Hayes said that the lack of correlation between UFP and PM 2.5, raises concerns about the effect of our PM 2.5 controls on UFP; and should be included on the Emerging Issues slide.

A typo was found on slide 10; the last bullet should say “may all be”.

A suggestion was made to change the bullet on slide 10 to say that “People spend much more time indoors...”

Chair Blonski thanked member Altshuler and his team, Members Vura-Weis and Lutzker.

Ms. Roggenkamp stated that a helpful addition to the presentation would be to explain that there are air quality standards for PM 10 and PM 2.5, and that there are not ambient air quality standards for UFP.

Member Holtzclaw noted that there are federal and state standards for PM10 and PM 2.5. The Air District is leading the state and is on the cutting edge.

Chair Blonski suggested that a version number be added to the slide show to avoid any confusion with previous versions.

#### **OTHER BUSINESS**

#### **4. Council Member Comments / Other Business**

Member Lucks said that he would be doing a presentation after the July Advisory Council Meeting; a one hour primer on Air Quality Law. It will be at noon so that Air District personnel can attend.

Member Lucks told the Advisory Council members about SB 763 a bill that would acknowledge green/ sustainability leaders and asked for the members to consider supporting this bill. Member Lucks requested that Advisory Council members introduce themselves and specifically talk about their affiliations.

Chair Blonski called upon Advisory Council members, staff and the sole audience member, one at a time. Everyone present gave an introduction, commented about their affiliations, interests and background.

Chair Blonski asked if there were any other comments from the Advisory Council Members.

Member Bard stated that the Lung Association recently released the State of the Air report, and another report discussing the benefits of stronger clean car standards. Member Bard handed out the reports to the Advisory Council Members.

5. **Next meeting:** The next meeting of the Advisory Council will be held on Wednesday, June 8, 2011 at 9:00 a.m. at 939 Ellis Streets, San Francisco, CA 94109.
6. **Adjournment:** Chair Blonski adjourned the meeting at 11:22 a.m.

Kris Perez Krow  
Clerk of the Boards