The California Air Resources Board met on October 23 and 24, 2014 in Diamond Bar. The following is a summary of this meeting.

1. **Update to the Board on the Advanced Clean Cars Program Midterm Review**

The Board heard an update on the status of the ongoing Advanced Clean Cars (ACC) Program Midterm Review, a three-part review program that includes an evaluation of particulate matter (PM) measurement capabilities, an investigation of the Zero Emission Vehicle (ZEV) market status, and a joint evaluation of greenhouse gas emission reductions together with U.S. Environmental Protection Agency (U.S. EPA), the National Highway Transportation Safety Administration (NHTSA), and the U.S. Department of Energy (DOE). Staff will finish their evaluation of PM measurement capabilities next year, but reported that progress to date strongly suggests that existing measurement technologies will be able to accommodate the requirements of the ACC regulation. Staff reported that ZEV sales trends are exceeding benchmarks of the estimated regulatory compliance schedule. The joint greenhouse gas emissions reductions review with U.S EPA, NHTSA, and DOE continues to investigate vehicle technology, costs, safety, and consumer response, and is on track to provide a full evaluation in 2016.
SCAQMD Staff Comments/Testimony: Dr. Barry Wallerstein commented on the accomplishments made to-date on advanced vehicle technologies and stressed the need to continue progress in reducing emissions. Dr. Wallerstein indicated that the items being considered by the CARB Board maintain or strengthen the efforts to reduce emissions further. Dr. Wallerstein provided comments regarding the South Coast Air Basin’s challenge in meeting future ambient air quality standards. In the near-term, an additional 65% reduction in NOx emissions will be needed in the 2022/2023 timeframe to meet the federal 1-hr and 8-hr ozone air quality standards. He indicated that an additional 75% reduction in NOx emissions will be needed to meet the federal 8-hour ozone air quality standard by 2032. He indicated the need for doubling efforts to identify additional emission reductions and that the technologies showcased show a potential path to helping meet attainment. Dr. Wallerstein indicated that results from the recent MATES IV study indicate that air toxic exposure levels have decreased significantly since the MATES III study back in 2005. However, OEHHA will be revising the health risk factors and the level of estimated risk will increase by almost a factor of 3, bringing the risk levels back to the levels seen in the MATES III study. Dr. Wallerstein concluded by urging CARB to keep its mind on the future in getting clean air for Californians.

2. Amendments to the Low Emission Vehicle III Requirements for Light-and Medium-Duty Vehicles and the Hybrid Electric Vehicle Test Procedures

The Board approved technical changes to the Low Emission Vehicle III (LEV III) regulation that align program requirements with U.S. EPA Tier 3 light-duty vehicle regulation. These changes streamline requirements for the manufacturers to meet both standards while continuing to maintain the air quality benefits of the LEV III program in California. Key differences do remain between the LEV III and U.S. EPA Tier 3 programs including a more stringent PM emission standard for the LEV III program beginning in model year 2025, and a shorter credit life for emission trading credits.

SCAQMD Staff Comments/Testimony: Dr. Wallerstein indicated staff’s support for the proposed amendments and noted that the CARB staff is not recommending extension of the credit allowance beyond five years, with which the SCAQMD staff concurs.

3. Zero Emission Vehicle Showcase

The ZEV showcase was a display of a wide variety of ZEVs, including passenger cars, motorcycles, buses and heavy-duty trucks, plus a first look at several not-yet-available models. Board members joined with representatives of eight other states who have signed the ZEV Memorandum of Understanding to hold a press conference highlighting a
significant ZEV milestone—250,000 ZEVs on the roads in the U.S.—and to update the press on ZEV activities in partner states.

4. Public Meeting on the Plug In Vehicle Infrastructure Evaluation

The Board heard an update on ARB staff’s ongoing evaluation of plug in vehicle infrastructure in California. The evaluation has involved extensive stakeholder collaboration and is examining the availability of public charging stations and how consumers are interacting with them. California currently has more than 4,500 public charging stations, with the majority located in South Coast and the Bay Area. Challenges identified in the evaluation so far include establishing charging solutions and effective business models for multi-unit dwellings, workplaces, and interregional connections, and supporting infrastructure in underserved areas. ARB staff will present the final evaluation to the Board in 2015.

5. Public Hearing to Consider 2014 Amendments to the Zero Emission Vehicle Regulation

The Board discussed amendments to the ZEV regulation without taking action. 2012 amendments to the regulation changed the way vehicle manufacturers were classified, and required manufacturers formerly classified as Intermediate Volume Manufacturers (IVM), (total sales in California between 20,000-60,000 vehicles annually), to transition to the requirements for Large Volume Manufacturers (LVM) (total California sales of more than 60,000 vehicles per year). The amendments under current consideration would change the classification criteria to consider global revenue in addition to California vehicle sales. The amendments would allow IVMs more time to comply with LVM requirements and include other provisions to allow compliance flexibility. The Board directed staff to make revisions to staff’s proposed amendments to minimize the loss of zero emission vehicles delivered. The Board will consider the revised amendments at a future meeting. The Board also directed staff to develop amendments and sunset one of the ZEV credit-earning mechanisms, the battery swap provision, as soon as possible.

As part of the item the Board heard an update from representatives from partner states on progress in implementing the Multi-State ZEV Action Plan. The Action Plan was developed earlier this year to help realize the goals of the Multi-State ZEV Memorandum of Understanding. Partner states reported good progress in implementing the Action Plan, but stressed the importance of manufacturers providing additional vehicle choices in their states.
SCAQMD Staff Comments/Testimony: Dr. Wallerstein asked the CARB Board to “stay the course” and send the right signals to industry to produce the vehicles and get the vehicles to California. If anything, we need to accelerate the deployment of the new vehicles. The SCAQMD staff will work with the CARB staff during the interim period and go through any details on proposals for the regulation. SCAQMD staff will be back with any comments at that time.

6. CoolCalifornia City Challenge Awards

The Board awarded the city of Riverside the title of “Coolest California City” in the 2014 CoolCalifornia City Challenge. The annual Challenge creates a city-to-city competition that encourages city governments and community-based organizations to work together toward household greenhouse gas reductions. Second place in the 2014 challenge was awarded to the city of Claremont and third place to the city of Rancho Cucamonga. Other participating cities from the South Coast AQMD region included the cities of Corona, Long Beach, Lynwood and Mission Viejo.

7. Update to the Board on California’s Heavy-Duty Truck Program: Past, Present, and Future

The Board heard an update on California’s Heavy-Duty Truck Program, including findings from a staff evaluation of ARB’s existing program and an update on ARB’s collaboration with U.S. EPA and NHTSA on the federal Phase 2 Heavy-Duty Truck Standards.

The staff evaluation demonstrated that aftermarket diesel particulate filters are working as designed, but that engine durability is a concern. The evaluation also identified opportunities for improvement of in-use NOx control. U.S. EPA plans to issue a notice of proposed rulemaking for the federal Phase 2 standards in early 2015 that will target further improvement in fuel economy and reductions in greenhouse gas emissions in model years 2018 and beyond ARB will consider a complement rule in 2016.

SCAQMD Staff Comments/Testimony: Staff provided oral comments on the need for zero and near-zero emission truck technologies. In order to achieve the federal standards, both “technology push” mechanisms, using regulations and policies, as well as “market pull” mechanisms, through incentives, are necessary. Staff requested that CARB work closely with SCAQMD and other stakeholders to not only commercialize the technologies under development but accelerate fleet turnover.

8. Public Meeting to Consider a Report on Reductions Achieved from Incentive-Based Emission Reduction Measures in the San Joaquin Valley
The Board approved a report documenting emissions reductions achieved through incentive-based measures in the San Joaquin Valley. The report demonstrates how emissions reductions from the Carl Moyer and Proposition 1B incentive programs meet U.S. EPA criteria for credit toward reductions required to meet federal clean air standards. The report will be submitted to U.S. EPA as a revision to the California State Implementation Plan.


The Board heard a briefing on the proposed methodology and timeline for updating the greenhouse gas emissions reductions targets under Senate Bill 375. The Staff presentation emphasized the importance of implementing the currently adopted Regional Transportation Plan / Sustainable Communities Strategies Plans (RTP/SCSs) and the limited availability of funding for this purpose. A timeline was presented for updating targets for all 18 Metropolitan Planning Organizations (MPOs). For the Southern California Association of Governments (SCAG) region, ARB staff will work with them as it develops alternative planning scenarios, and use these scenarios to help inform the target-setting process for the SCAG region. The Board will consider adopting updated targets for SCAG in late 2015, and the updated targets will apply to SCAG’s 2020 RTP/SCS. The ARB staff will follow the same process to update targets for the other large MPOs due in 2015. As part of their deliberations the Board members discussed the importance of strategic investment of Cap-and-Trade revenues to implement adopted RTP/SCSs.

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**Consent Items**

1. **Public Meeting to Consider Minor Updates to 1997 8-Hour Ozone Standard State Implementation Plans: Coachella Valley and Western Mojave Desert Ozone Nonattainment Areas**

The Board approved minor updates to the 1997 8-hour Ozone Standard State Implementation Plan for the Coachella Valley and Western Mojave Desert Nonattainment areas. The updates incorporate revised emission inventories that account for the implementation of recently-adopted rules, the effects of the recession, and updated transportation activity. The updates will be submitted to U.S. EPA as a revision to the California State Implementation Plan.
2. Public Meeting to Consider the Supplemental Document for the San Joaquin Valley 24-hour PM2.5 State Implementation Plan

The Board approved a demonstration that all of the elements in the existing 2012 San Joaquin Valley 24-hour PM2.5 State Implementation Plan meet the requirements under subpart 4 of the federal Clean Air Act. The Board also approved a San Joaquin Valley Air Pollution Control District request for classification as a serious nonattainment area, consistent with the attainment demonstration in the State Implementation Plan. These items will be submitted to U.S. EPA as a revision to the California State Implementation Plan.

Attachment
CARB October 23 & 24, 2014 Meeting Agenda
PUBLIC MEETING AGENDA

Thursday, October 23, 2014 and Friday, October 24, 2014 (Diamond Bar, CA)

LOCATION:
South Coast Air Quality Management District Auditorium
21865 E. Copley Drive
Diamond Bar, California 91765-4182

This facility is accessible by public transit. For transit information, call: (800) 743-3463,
http://www.foothilltransit.org/ (This facility is accessible to persons with disabilities.)

TO SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING GO TO: http://www.arb.ca.gov/lispub/comm/bclist.php

Webcast

Thursday
October 23, 2014
9:30 a.m.

DISCUSSION ITEMS:

Note: The following agenda items may be heard in a different order at the Board meeting.

Agenda Item #

14-8-2: Update to the Board on the Advanced Clean Cars Program Mid-Term Review

Staff will present to the Board an update on on-going work related to the Advanced Clean Cars mid-term review, including updates on work with Federal agencies, research contracts related to consumers, and the feasibility of particulate matter measurement.

More Information Staff Presentation

14-8-1: Public Hearing to Consider Proposed Amendments to the Low Emission Vehicle III Criteria Pollutant Requirements for Light- and Medium-Duty Vehicles, the Hybrid Electric Vehicle Test Procedures, and the Heavy-Duty Otto-Cycle and Heavy-Duty Diesel Test Procedures

Staff will present to the Board amendments to California’s Low Emission Vehicle III (LEV III) regulations to control criteria pollutant emissions from new light- and medium-duty vehicles in order to ensure that emission reductions from the LEV III program are achieved while allowing vehicle manufacturers to continue to demonstrate compliance with both California and Federal regulations by using closely aligned test procedures. Staff will also propose modifications to the hybrid electric vehicle test procedures to facilitate the testing of today’s commercially available vehicles. Finally, staff will present a number of conforming and editorial modifications to the non-methane organic gas test procedures, heavy-duty Otto-cycle test procedures, heavy-duty diesel test procedures, and Environmental Performance Label specifications.

More Information Staff Presentation
14-8-3: Zero Emission Vehicle Showcase

Staff will present to the Board an informational item describing the Zero Emission Showcase that will be taking place concurrently outside the Board Hearing room. Staff will provide context for the Showcase as well as a brief description of the vehicles that will be on display.

Staff Presentation

14-8-4: Public Meeting on the Plug In Vehicle Infrastructure Evaluation

Staff will present to the Board a status report on plug in vehicle infrastructure in California.

More Information  Staff Presentation

14-8-5: Public Hearing to Consider 2014 Amendments to the Zero Emission Vehicle Regulation

Staff will present to the Board amendments to the Zero Emission Vehicle (ZEV) Regulation primarily focused on requirements for intermediate volume manufacturers. Prior to the introduction of this item, several Section 177 ZEV state representatives will be providing short presentations to the Board on the first year of implementation of the Multi-State ZEV Memorandum of Understanding in their respective states.

More Information  Staff Presentation  177 States’ Presentation

14-8-6: CoolCalifornia City Challenge Awards

The Air Resources Board will announce the winner and two other finalist cities of the CoolCalifornia City Challenge, a statewide competition between California cities to reduce greenhouse gas emissions and earn the title of “Coolest California City.”

More Information  Staff Presentation

Friday
October 24, 2014
8:30 a.m.

CONSENT CALENDAR:
The following items on the consent calendar will be presented to the Board immediately after the start of the public meeting, unless removed from the consent calendar either upon a Board member’s request or if someone in the audience wishes to speak on it.

Consent Item #

14-8-7: Public Meeting to Consider Minor Updates to 1997 8-Hour Ozone Standard State Implementation Plans: Coachella Valley and Western Mojave Desert Ozone Nonattainment Areas

Staff will present to the Board minor updates to the 1997 8-hour ozone State Implementation Plans (SIP) for Coachella Valley and Western Mojave Desert Nonattainment Areas. These updates incorporate revised emissions inventories that account for the implementation of recently adopted rules and regulations, the effects of the recession, and updated transportation
activity. The updates will be submitted to the United States Environmental Protection Agency for approval of the plans as revisions to the California SIP.

14-8-8: Public Meeting to Consider the Supplemental Document for the San Joaquin Valley 24-hour PM2.5 State Implementation Plan

Staff will present to the Board the supplemental document showing that all of the elements in the existing 2012 San Joaquin Valley 24-hour PM2.5 State Implementation Plan (SIP) meet the requirements under the Subpart 4 provisions of the federal Clean Air Act. The document also includes the San Joaquin Valley Air Pollution Control District request for a serious classification consistent with the attainment demonstration in the SIP. The updated information will be submitted to the United States Environmental Protection Agency for approval of the plan as a revision to the California SIP.

DISCUSSION ITEMS:

Note: The following agenda items may be heard in a different order at the Board meeting.

Agenda Item #

14-8-9: Update to the Board on California’s Heavy-Duty Truck Program: Past, Present, and Future

Staff will provide an informational update to the Board on current efforts and future plans to reduce oxides of nitrogen (NOx) and greenhouse gas (GHG) emissions from on-road heavy-duty vehicles. The update will include plans for strengthening the current NOx certification standards, including addressing off-cycle emissions, improving engine durability, and addressing emissions from high emitters with malfunctioning aftertreatment systems. Staff will also discuss developing future lower NOx standards, as well as current work to develop proposed federal Phase 2 heavy-duty vehicle GHG standards in cooperation with the United States Environmental Protection Agency and the National Highway Traffic Safety Administration.

Staff Presentation

14-8-10: Public Meeting to Consider a Report on Reductions Achieved from Incentive-Based Emission Reduction Measures in the San Joaquin Valley

Staff will present to the Board for its consideration a State Implementation Plan amendment documenting inventory updates and implementation of the San Joaquin Valley Annual Average PM 2.5 Plan. The update will be submitted to the United States Environmental Protection Agency for approval as a revision to the California SIP.

More Information Staff Presentation

14-8-11: Briefing on Process for Updating Senate Bill 375 Greenhouse Gas Emission Reduction Targets

Staff will present a report to the Board that identifies factors to be considered in a future update of the greenhouse gas (GHG) emission reduction targets pursuant to Senate Bill (SB) 375, the Sustainable Communities and Climate Protection Act of 2008. The Board adopted GHG emission reduction targets for passenger vehicle emissions in 2010, applicable to each of the
State’s 18 Metropolitan Planning Organizations. SB 375 directs the Air Resources Board to update the targets every eight years, or every four years based on changes in factors such as vehicle emission standards, fuel composition, or other measures that are anticipated to reduce GHG emissions from the transportation sector. The staff presentation will focus on the policy, technical, and timing considerations in updating the SB 375 targets. Staff will seek direction from the Board on a preferred approach for a target update process.

More Information  
Staff Presentation

CLOSED SESSION

The Board will hold a closed session, as authorized by Government Code section 11126(e), to confer with, and receive advice from, its legal counsel regarding the following pending or potential litigation, and as authorized by Government Code section 11126(a):

POET, LLC, et al. v. Corey, et al., Superior Court of California (Fresno County), Case No. 09CECG04850; plaintiffs’ appeal, California Court of Appeal, Fifth District, Case No. F064045; California Supreme Court, Case No. S213394.


Engine Manufacturers Association v. California Air Resources Board, Sacramento Superior Court, Case No. 34-2010-00082774; ARB’s appeal, California Court of Appeal, Third District, Case No. C071891.

Truck and Engine Manufacturers Association v. California Air Resources Board, Sacramento Superior Court, Case No. 34-2013-00150733.

Alliance of Automobile Manufacturers v. California Air Resources Board; Sacramento Superior Court, Case No. 34-2013-00152974.

Citizens Climate Lobby and Our Children’s Earth Foundation v. California Air Resources Board, San Francisco Superior Court, Case No. CGC-12-519554, plaintiffs’ appeal, California Court of Appeal, First District, Case No. A138830.

California Chamber of Commerce et al. v. California Air Resources Board, Sacramento Superior Court, Case No. 34-2012-80001313; plaintiffs’ appeal, California Court of Appeal, Third District, Case No. C075930.


City of Los Angeles through Department of Water and Power v. California Air Resources Board, et al., Los Angeles Superior Court, Case No. BS140620 (transferred to Sacramento Superior Court, Case No. 34-2013-80001451-CU-WM-GDS).

Alliance for California Business v. Nichols et al., Glenn County Superior Court, Case No. 13CV01232.


John R. Lawson Rock & Oil, Inc. et al. v. California Air Resources Board et al., Fresno County Superior Court, Case No. 14-CECG01494.

Transportation Solutions Defense and Education Fund v. California Air Resources Board, Fresno County Superior Court, Case No. 14CECG01788.

**OPPORTUNITY FOR MEMBERS OF THE BOARD TO COMMENT ON MATTERS OF INTEREST**

Board members may identify matters they would like to have noticed for consideration at future meetings and comment on topics of interest; no formal action on these topics will be taken without further notice.

**OPEN SESSION TO PROVIDE AN OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD ON SUBJECT MATTERS WITHIN THE JURISDICTION OF THE BOARD**

Although no formal Board action may be taken, the Board is allowing an opportunity to interested members of the public to address the Board on items of interest that are within the Board’s jurisdiction, but that do not specifically appear on the agenda. Each person will be allowed a maximum of three minutes to ensure that everyone has a chance to speak.

**TO ELECTRONICALLY SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING GO TO:**

http://www.arb.ca.gov/lispub/comm/bclist.php

(Note: not all agenda items are available for electronic submittals of written comments.)

**IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT THE CLERK OF THE BOARD:**

1001 I Street, 23rd Floor, Sacramento, California 95814
(916) 322-5594
ARB Homepage: www.arb.ca.gov
SPECIAL ACCOMMODATION REQUEST

Consistent with California Government Code Section 7296.2, special accommodation or language needs may be provided for any of the following:

- An interpreter to be available at the hearing;
- Documents made available in an alternate format or another language;
- A disability-related reasonable accommodation.

To request these special accommodations or language needs, please contact the Clerk of the Board at (916) 322-5594 or by facsimile at (916) 322-3928 as soon as possible, but no later than 7 business days before the scheduled Board hearing. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

Consecutivamente con la sección 7296.2 del Código de Gobierno de California, una acomodación especial o necesidades lingüísticas pueden ser suministradas para cualquiera de los siguientes:

- Un intérprete que esté disponible en la audiencia
- Documentos disponibles en un formato alterno u otro idioma
- Una acomodación razonable relacionados con una incapacidad

Para solicitar estas comodidades especiales o necesidades de otro idioma, por favor llame a la oficina del Consejo al (916) 322-5594 o envié un fax a (916) 322-3928 lo más pronto posible, pero no menos de 7 días de trabajo antes del día programado para la audiencia del Consejo. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de Retransmisión de Mensajes de California.