**BACWA AIR Committee**

**Regulatory Updates, Technical Resources & Grant Opportunities**

**Local Regulatory Updates:**

* Refer to the Bay Area Air Quality Management District (BAAQMD) presentations.

**State Regulatory Updates:**

* Greenhouse Gases (GHG):
  + Executive Order (EO) B-30-15 (April 29, 2015):
    - Sets an interim target of reducing statewide GHG emissions levels 40% below 1990 levels by 2030
    - Interim target will help California meet its 2050 goal of reducing GHG emissions levels 80% below 1990 levels
    - Additional information: <http://gov.ca.gov/home.php>
  + Short-Lived Climate Pollutant Reduction Strategy Concept Paper (May 2015):
    - Describes ways in which California can reduce GHG and smog-causing emissions from short-lived climate pollutants
    - Identifies Publicly Owned Treatment Works (POTWs) as being part of the solution and notes that POTWs’ existing and future infrastructure can help reduce short-lived climate pollutants by increasing co-digestion practices
    - Public workshop is scheduled for May 27th
    - Additional information: <http://www.arb.ca.gov/cc/shortlived/shortlived.htm>
* Air Toxics:
  + Office of Environmental Health Hazard Assessment’s (OEHHA) Revised Air Toxics Hot Spots Program Risk Assessment Guidelines (March 2015):
    - Provides guidance for conducting health risk assessments
    - Revised methodology is expected to increase cancer risks 1.5 to 3 times, based on the same facility emissions rates
    - Additional information: <http://www.oehha.ca.gov/air/hot_spots/hotspots2015.html#download>
  + Updated Hot Spots Analysis and Reporting Program (HARP, Version 15076):
    - Incorporates information presented in the new OEHHA Guidelines
    - HARP is a software suite that includes tools for emission inventory databases, facility prioritization, air dispersion modeling, and health risk assessments
    - Additional information: <http://www.arb.ca.gov/toxics/harp/harp.htm>
* Gasoline Dispensing Facilities (GDFs) / Enhanced Vapor Recovery (EVR) Systems:
  + Advisory 405-C (February 24, 2015):
    - Extends the winter period during which GDFs with a throughput > 600,000 gallons/year do not need to call for service and conduct testing in response to in-station diagnostics overpressure alarms to March 31st
  + EO VR-501-A (March 13, 2015):
    - Certifies that the Balance Phase II EVR System for Protected Aboveground Storage Tanks (ASTs) with Remote Dispensing is at least 95% efficient and does not exceed 0.38 pounds of hydrocarbon per 1,000 gallons of gasoline dispensed in attended and/or self-service mode when used with a California Air Resources Board (CARB)-certified Phase I vapor recovery system and installed, operated, and maintained as specified
  + Advisory 367 (April 21, 2015):
    - Informs owners of GDFs with ASTs which Phase I EVR components must be used as replacement parts for failing pre-EVR Phase I components
  + EOs VR-201, VR-202 & VR-210:
    - Beginning July 1st, low permeation vapor recovery hoses will be the only allowable replacement hoses for Assist Phase II EVR Systems certified for use at GDFs under these EOs
  + Additional information for all EVR notices: <http://www.arb.ca.gov/vapor/vapor.htm>
* Carl Moyer Program:
  + Releases updated cost-effectiveness limit and capital recovery factors
    - Cost-effectiveness measures the dollars provided to a project for each ton of covered emissions reduced; the new cost-effectiveness limit is $18,030
    - Capital recovery factor is used to annualize the project’s grant amount to calculate its cost-effectiveness
  + These factors will be used for all contracts executed beginning July 1st, although local air districts may implement the factors as early as April 1st
  + Additional information: <http://www.arb.ca.gov/msprog/mailouts/mouts_15.htm>

**Federal Regulatory Updates:**

* Refer to the BAAQMD presentations.

**Technical Resources:**

* CARB Diesel Compliance Training Dates:
  + Course #520: How to Comply with CARB Diesel Regulations
    - Reviews the inspection process, discusses the consequences of non-compliance, and explains how to comply with CARB’s various diesel programs and regulations
    - Training is scheduled for May 29th via webinar
  + Course #540: Compliance Webinar for Public Agencies & Utilities
    - Provides an overview of the Public Agency and Private Utility Regulation, Off-road Diesel Vehicle Regulation, and Portable Equipment requirements
    - Specific topics include applicability, requirements, compliance deadlines, and inspection requirements for the various regulations
    - Training is scheduled for May 14th via webinar
  + See <https://ssl.arb.ca.gov/training/training.htm> for full training calendar
* Bioenergy Association of California (BAC) Webinar:
  + Describes California’s new bioenergy program, known as Senate Bill (SB) 1122, which requires California utilities to procure 250 megawatts (MW) of bioenergy from 3 MW and smaller facilities using different types of organic waste feedstock
  + Webinar is scheduled for May 14th
  + Register at <http://www.americanbiogascouncil.org/about_webinars.asp>
* U.S. Environmental Protection Agency (USEPA) Webinars, Workshops & Trainings:
  + Webinars on Climate Information for Managing Risks in Water Resources:
    - May 21st: Precipitation Patterns, Supply Planning and Demand Curves: the Complexities of Assessing Water Supply Risks
    - June 4th: Water Hazards and Community Resilience
    - See full schedule at <http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/SARPProgram/WebinarsandWorkshops.aspx>
  + Workshops featuring training on the USEPA’s new Climate Resilience Evaluation and Awareness Tool (CREAT):
    - Intended for drinking water, wastewater, and stormwater utilities
    - Scheduled throughout June at locations in New Mexico, Oregon & Iowa
    - Additional information: <https://www.thetestportal.com/climateadaptation>
  + Trainings focusing on how to support utilities in understanding and adapting to impacts from coastal storm events and related threats using USEPA’s CREAT and Storm Surge Inundation and Hurricane Strike Frequency Map:
    - Scheduled throughout June and July at locations in Florida, Texas, Alabama & New York
    - Additional information: <https://www.thetestportal.com/coastalresilience>
* ENERGY STAR Webcasts:
  + What You Should Know About Financing Energy Efficiency Upgrades:
    - Learn about financing projects, the basics of performance contracting, and how USEPA’s tools and resources can help you make the decision to improve your facilities
    - Webcast is scheduled for May 19th
  + Portfolio Manager 101
    - Learn how to navigate the new Portfolio Manager tool, including how to add a property, enter energy and water consumption data, share properties, generate performance reports to assess progress, and respond to data requests
    - Webcast is scheduled for May 26th
  + Portfolio Manager 201
    - Learn about the advanced functions of the Portfolio Manager tool, including how to manage and track changes to your property uses over time, use spreadsheet templates to update property data, set goals and targets to plan energy improvements for properties, generate and use custom reports, and use the Sustainable Buildings Checklist
    - Webcast is scheduled for May 28th
  + See full schedule at <https://esbuildings.webex.com/mw0401lsp13/mywebex/default.do?siteurl=esbuildings>
* Water and Climate Change Reports and Resources:
  + U.S. Global Change Research Program’s draft report: “The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment”
    - Assesses the observed and projected impacts of climate change on human health in the U.S.
    - Comments are due June 8th
    - Additional information: <http://www.globalchange.gov/health-assessment>
  + USEPA’s 20th Inventory of U.S. GHG Emissions and Sinks
    - Shows a 2% increase in GHG emissions in 2013 from 2012 levels, but a 9% drop in emissions since 2005
    - Also publishes key data in a new, online GHG Inventory Data Explorer tool, which allows users to view, graph, and download data by sector, year, and GHG
    - Additional information: <http://www.epa.gov/climatechange/ghgemissions/usinventoryreport.html>
  + Union of Concerned Scientists’ report: “Clean Energy Opportunities in California’s Water Sector”
    - Describes opportunities for California’s water and wastewater utilities to help California adapt to drier conditions and achieve its climate goals
    - Discusses opportunities for utilities to participate in the clean energy transition and the barriers that hinder this outcome
    - Additional information: <http://www.ucsusa.org/clean-energy/california-and-western-states/clean-energy-opportunities-california-water-sector>
  + USEPA’s report: “2014 Highlights of Progress Report: Responses to Climate Change by the National Water Program”
    - Summarizes USEPA’s major 2014 accomplishments addressing climate change and water
    - Also describes major research projects, completed in 2014, that addressed climate change and water
    - Additional information: <http://water.epa.gov/scitech/climatechange/2012-National-Water-Program-Strategy.cfm>
  + USEPA’s updated guide: “Adaptation Strategies Guide for Water Utilities”
    - Provides suggested adaptation strategies for system impacts associated with climate change challenges such as drought, water quality degradation, ecosystem changes, and changes in service demand/use
    - Also identifies climate challenges based on type and geographic region
    - Additional information: <http://water.epa.gov/infrastructure/watersecurity/upload/epa817k15001.pdf>

**Grant Opportunities:**

* CalRecycle:
  + GHG Reduction Grant and Loan Programs, Fiscal Year 2015-2016
    - Provides financial incentives for capital investments in composting/ digestion infrastructure that will result in reduced GHG emissions
    - Application materials are expected to be available in June
    - Applications are expected to be due in July
    - Additional information: <http://www.calrecycle.ca.gov/Climate/GrantsLoans/>
* California Energy Commission (CEC):
  + Electric Program Investment Charge (EPIC) Program GFO-15-303, Electricity Sector Vulnerability Studies and Adaptation Options to Promote Resilience in a Changing Climate
    - Intended to fund research and development projects that reduce the environmental and public health impacts of electricity generation and make the electricity system less vulnerable to climate impacts
    - Up to $2.1 million in grant funding is available
    - Applications are due May 26th
    - Additional information: <http://www.energy.ca.gov/contracts/epic.html#GFO-15-303>
  + Water Energy Technology (WET) Program:
    - Created to provide funding to accelerate the deployment of innovative water and energy saving technologies that also reduce GHG emissions
    - Implemented by the CEC, together with the Department of Water Resources and the State Water Resources Control Board
    - Examples of targeted technologies include integrated onsite water reuse and heat recovery systems, packaged/modular wastewater treatment systems, and the installation of renewable energy sources for heat or power
    - WET Program kick-off is expected later this summer
    - Additional information: <http://www.energy.ca.gov/wet/>
* 2015-2016 Investment Plan Update for the Alternative and Renewable Fuels and Vehicle Technology Program (ARFVTP):
  + Final plan adopted April 8, 2015
  + Establishes framework for identifying priorities and opportunities for the program, describes how funding will complement existing public and private efforts, and guides funding decisions
  + Additional information: <http://www.energy.ca.gov/2014-ALT-01/documents/>

**CASA Energy Workgroup & CWCCG Updates:**

* Face-to-face meeting is scheduled for Tuesday, June 2nd
* Assembly Bill 2516 (Passed):
  + Creates a sea level rise planning database
  + By July 1, 2015, the California Natural Resources Agency (CNRA) will determine what and how data will be collected
  + Beginning January 1, 2016, agencies will be required to update the database biannually
* SB 605 (Passed):
  + Requires reduction of short-lived climate pollutants
  + CARB is planning to research methane from the wastewater sector over the next 2 – 5 years to determine whether POTWs will be required to measure and eventually reduce methane emissions in the future
  + Implementation of SB 605 is expected through the Short-Lived Climate Pollutant Reduction Strategy Concept Paper

**AIR Business Items:**

* Total Budget for FY 2014/2015: $77,064
  + Spent: $67,014 (through March)
  + 87% of budget spent
  + The remaining budget has been discussed with the AIR Committee Co-Chairs to develop a plan to stay within our budget
* We will be rolling out a new website in the next few weeks; look for updates regarding access and content via e-mail
* Next meeting is tentatively scheduled for Wednesday, July 8th at the CH2M Offices in Oakland, California