



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies

Committee Meeting

January 14, 2015

10:00 am – 1:00 pm

Introductions & Opening

Agenda

- Introductions and Opening
- Discussion with BACWA Executive Director
- Regulatory Updates
 - I. State Regulatory News
 - II. National Regulatory News
- Technical Resources
- Grant Opportunities
- CASA Energy Workgroup & CWCCG Updates
- AIR Business Items
- Closing



Discussion with BACWA Executive Director

Discussion with BACWA Executive Director: Overview of Project Tasks

Task	Nature of Task	Associated Hours*	Percent of Project*
Distribution List	Administrative	5	2%
Regulatory Tracking	Technical	55	18%
Weekly Digest	Technical	43	14%
Website Maintenance	Administrative	23	8%
Meeting Coordination	Administrative	17	6%
Meeting Preparation	Technical	57	19%
Conduct Meeting	Technical	20	7%
Meeting Follow-up	Both	6	2%
CASA/CWCCG Meetings	Technical	8	3%
Issues Matrix	Technical	12	4%
Monthly Reports	Both	3	1%
Newsletter	Both	5	2%
Advocacy Letters	Technical	8	3%
Project Management	Administrative**	30	10%
Fundraising	Administrative	8	3%

*Data based on 300 hours of effort, spent over 6 months of the project contract.

**Although this task is administrative, it is specific to carrying out the consultant's contract.

Administrative tasks that could be completed by BACWA ~20% or \$15,000 of the current contract value (\$77,064).

State Regulatory News

State Regulatory News

GHG Mandatory Reporting Regulation Amendments

GHG Mandatory Reporting Regulation Amendments

- Adopted amendments to 3 regulations:
 - Regulation for the Mandatory Reporting of GHG Emissions
 - California Cap on GHG Emissions and Market-Based Compliance Mechanisms
 - Cost of Implementation Fee Regulation
- Amendments applicable to POTWs:
 - Clarify reporting applicability for biofuel production facilities that produce and deliver transportation fuels outside the bulk terminal/transfer system
 - Clarify that biofuel production facilities must report biofuel delivered outside the bulk transfer/terminal system
 - Added renewable diesel as a reportable biomass-derived transport fuel
- Effective January 1st
- Additional information is available at:
<http://www.arb.ca.gov/regact/2014/ghg2014/ghg2014.htm>



State Regulatory News

Low Carbon Fuel Standard Regulation Amendments

Low Carbon Fuel Standard (LCFS) Regulation Amendments

- Proposed regulatory action:
 - Reduce the average carbon intensity of transportation fuels by 10% by 2020, compared to 2010
 - Establish fuel pathways for two categories:
 - Tier 1: Conventionally-produced, first generation fuels
 - Tier 2: Fuels produced using emerging technologies and/or innovative production methods
- Comments are due February 17th
- Public workshop is scheduled for February 19th
- Additional information is available at:
<http://www.arb.ca.gov/regact/2015/lcfs2015/lcfs2015.htm>



State Regulatory News

Alternative Diesel Fuels Regulation

Alternative Diesel Fuels Regulation

- Alternative Diesel Fuels Regulation:
 - Provide a pathway for alternative diesel fuels to enter the California market
 - Develop a uniform framework for standards, specifications, procedures, and other requirements applicable to various current and developmental alternative diesel fuels
- Biodiesel is considered the first alternative diesel fuel
- Proposed draft regulatory language is available for comment (only in mark-up format)
- Comments are due February 17th
- Public hearing is scheduled for February 19th
- Additional information is available at:

<http://www.arb.ca.gov/fuels/diesel/altdiesel/biodiesel.htm>



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies 12

State Regulatory News

Compost and Anaerobic Digestion Regulations

Compost and Anaerobic Digestion Regulations

- Proposed amendments relevant to POTWs:
 - Clarify several compostable material feedstock definitions
 - Clarify the types of facilities that can accept these feedstocks
 - Establish criteria for land application of compostable materials
 - Clarify the inspection frequency of biosolids composting at POTWs
 - Exclude POTWs accepting hauled-in organic waste for co-digestion from the transfer operations requirements
- Regulatory schedule:
 - CalRecycle is currently reviewing comments
 - Next public workshop and second 15-day comment period TBD
- CASA supports this regulation with a few minor modifications
- Additional information is available at:

<http://www.calrecycle.ca.gov/laws/rulemaking/Compost/default.htm>



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A Committee of the Bay Area Clean Water Agencies 14

State Regulatory News

Medium-/Heavy-Duty Vehicle Regulations

Medium-/Heavy-Duty Vehicle Regulations

- GHG Emission Standards:

- 2014 and newer medium-/heavy-duty vehicles with a GVWR > 8,500 pounds

GHG	Standard	GHG	Standard
CO ₂	234 g/ton-mile	N ₂ O	0.10 g/bhp-hr
CH ₄	0.10 g/bhp-hr	HFC	11.0 g/year

- Optional NOx Emission Standards:

- 2015 and newer heavy-duty vehicles with a GVWR > 14,000 pounds

Emission Rate (g/bhp-hr)	Percent Reduction*
0.1	50%
0.05	75%
0.02	90%

*From current primary standard of 0.2 g/bhp-hr.

- Effective December 5, 2014
- Additional information is available at:

<http://www.arb.ca.gov/regact/2013/hdghg2013/hdghg2013.htm>



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State Regulatory News

Truck & Bus Regulation Amendments

Truck & Bus Regulation Amendments

- Amendments to the Regulation to Reduce Emissions of Diesel PM, NOx, and other Criteria Pollutants from In-Use On-Road Diesel-Fueled Vehicles:
 - Removes labeling requirements for vehicles using the Economic Hardship Extension
 - Clarifies that credit for adding hybrid vehicles (to replace heavier vehicles) counts towards meeting PM BACT
 - Extends compliance deadline for small fleet PM filter requirements to January 1, 2017
- Applies to POTWs with on-road, diesel-fueled vehicles with a GVWR > 14,000 pounds that do not meet the current BACT requirements
- Effective January 1st
- Additional information is available at:

<http://www.arb.ca.gov/regact/2014/truckbus14/truckbus14.htm>

State Regulatory News

Enhanced Vapor Recovery Requirements for Aboveground Storage Tanks

Enhanced Vapor Recovery Requirements for Aboveground Storage Tanks

- Amendments to Enhanced Vapor Recovery (EVR) requirements for Aboveground Storage Tanks (ASTs):
 - Improve cost effectiveness of the regulation while preserving its air quality benefits
 - Exempt ASTs with low gasoline throughput from compliance with Standing Loss Control and/or Phase I requirements
- Rulemaking process delayed until 2015
- Until further notice, February 28, 2014 advisory remains in effect:
 - Air Districts should not enforce the July 1, 2014 compliance deadline for potentially exempt ASTs
 - Exemption status can be determined through a 9-step process
- Additional information is available at:
<http://www.arb.ca.gov/vapor/regad111814.pdf>



State Regulatory News

Proposed 2016 Nonresidential Building Energy Efficiency Standards

Proposed 2016 Nonresidential Building Energy Efficiency Standards

- CEC updates the standards every 3 years
- Proposed 2016 amendments relevant to POTWs:
 - Require hourly 15- and 30-year forecasts of avoided energy cost
 - Increase metal and wood roof insulation criteria
 - Increase Fan Efficiency Grade
 - Upgrade elevator lighting and HVAC controls
 - Require indoor/outdoor lighting efficiency controls
- Regulatory schedule:
 - February 2015: Release 45-day language
 - May 2015: Release 15-day language
 - June 2015: Anticipated adoption
 - January 1, 2017: Effective date
- Additional information is available at:

<http://www.energy.ca.gov/title24/2016standards/index.html>



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National Regulatory News

National Regulatory News

Proposal to Lower Ozone NAAQS

Proposal to Lower Ozone NAAQS

- Proposing to lower the 8-hour Ozone NAAQS to between 60 and 70 ppb
- Objectives:
 - Combine primary and secondary standards to set agriculture and human health NAAQS at the same level
 - Reduce ozone precursors (NO_x and VOCs) and carbon pollution
- BAAQMD: Marginal nonattainment area for the current standard (75 ppb)
- Designation and implementation schedule:
 - February 2nd: Public hearing
 - March 17th: Public comments due
 - October 1st: USEPA adopts final rule
 - October 2016: States submit recommendations for area designations and SIPs
 - October 2017: USEPA submits area designations
 - October 2018: States submit Infrastructure SIPs
 - October 2020 – 2021: Designated areas submit Attainment Plans
- CASA's concerns for extreme non-attainment areas:
 - Cut back on renewable energy projects and encourage methane flaring without regulating primary ozone emitters
 - Allow PSD grandfathering
- Additional information is available at:
<http://www.epa.gov/groundlevelozone/actions.html>



National Regulatory News

GHG Tailoring & Deferral Rules

GHG Tailoring & Deferral Rules

- June 24, 2014 Supreme Court ruling found key aspects of the GHG Tailoring Rule to be improper
- GHG Tailoring Rule Findings:
 - GHG emissions alone cannot trigger PSD or Title V requirements
 - If criteria pollutant emissions trigger PSD or Title V requirements, USEPA can require a technical evaluation of GHG reduction options
- USEPA released the “Revised Framework for Assessing Biogenic CO₂ Emissions from Stationary Sources”:
 - Found that waste-derived feedstocks have minimal or no net atmospheric contributions of biogenic CO₂ emissions
- Next Steps:
 - USEPA will propose revisions to the PSD rules to exempt waste-derived feedstocks from the BACT requirement for GHGs
 - States may re-write regulations to remove the GHG emissions trigger
- Additional information is available at:

<http://www.epa.gov/climatechange/downloads/Framework-for-Assessing-Biogenic-CO2-Emissions.pdf>

Additional Items

Additional Items

Technical Resources

CARB Diesel Vehicle and Equipment Training Courses

Course	Date	Location
#514: Truck & Bus and Tractor-Trailer GHG Regulations Overview, Compliance, and Reporting	Jan. 15	Webinar
	Jan. 16	Modesto
	Jan. 22	Turlock
#521: How to Comply with the Truck & Bus Regulation	Jan. 20	Santa Rosa
	Jan. 22	Napa

Additional course information is available at:
<https://ssl.arb.ca.gov/training/courselist.php>



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CARB Vehicle Tools

- Fleet Average Calculator for Small Fleets:
 - Allows owners of small fleets to evaluate options for compliance with the In-Use Off Road Diesel Vehicle Regulation
 - Excel spreadsheet designed to calculate Fleet Average Index and Fleet Average Targets, based on the equipment model year and power output
 - Additional information is available at:
<http://www.arb.ca.gov/msprog/ordiesel/fac.htm>
- 2014 Emission Factors Database (EMFAC2014):
 - Primary model used for assessing emissions from on-road vehicles, particularly for CEQA and PM Hot Spot analyses
 - Draft released for public testing
 - Tutorial workshops will be scheduled for early 2015
 - Comments are currently being accepted
 - Additional information is available at:
<http://www.arb.ca.gov/msei/msei.htm>



AQIP/GGRF Workshop

- Air Quality Improvement Program (AQIP) and Low Carbon Transportation Greenhouse Gas Reduction Fund (GGRF):
 - Voluntary incentive program administered by CARB to fund:
 - Clean vehicle and equipment projects
 - Research on biofuels production and air quality impacts of alternative fuels
 - Workforce training
 - Funding typically benefits disadvantaged communities
- Public workshop is scheduled for January 23rd:
 - Discuss development of the 2015-2016 Fiscal Year (FY) Funding Plan and Investments
 - Solicit input on existing and potential project categories, such as light- and heavy-duty vehicle loan and rebate programs
 - Summarize recent regulations affecting program implementation
- Additional information is available at:

<http://www.arb.ca.gov/lispub/rss/displaypost.php?prc=8158>



2015-2016 Investment Plan Update for the ARFVTP

- Proposed allocations relevant to POTWs:
 - \$20 million for biofuel production and supply
 - \$18 million for electric charging infrastructure
- Annual investment plan:
 - Communicates the CEC's strategic vision
 - Determines the funding priorities and opportunities for the upcoming FY
 - Provides an analytical rationale for proposed expenditure
- Comments are currently in review
- Public workshop is scheduled for January 28th
- March: Release of Final Plan
- April: Approval of Final Plan
- Additional information is available at:

<http://www.energy.ca.gov/2014-ALT-01/documents/>



Governor's Proposed 2015-2016 Budget

- Cap-and-Trade Investment Plan:
 - Allocates an additional \$1 billion in C&T revenue for existing programs:
 - CalRecycle will receive \$25 million for its waste diversion program
 - Develop a mid-term GHG reduction target for 2030:
 - Target GHG reductions in several key areas: decarbonizing electricity; reducing short-lived climate pollutants from oil production, landfills, agriculture, etc.; and resilience
- Proposition 1 (Water Bond):
 - \$532.5 million funding under different categories:
 - Safe Drinking Water: \$66.3 million to SWRCB for WWTP projects
 - Water Recycling:
 - \$5.5 million to DWR for water recycling and desalination projects
 - \$131.7 million to SWRCB for water recycling and treatment technology projects
 - Regional Water Reliability: \$32.8 million to DWR for Integrated Regional Water Management Program
- Budget to be reviewed and approved by June 15th



CARB/CAPCOA AB 8 Carl Moyer Program Evaluation Report

- Summarizes the successes and benefits of the Carl Moyer Program
- Proposes the following program improvements:
 - Adjust the cost-effectiveness limit to more effectively incentivize the statewide deployment of cleaner technologies
 - Allow for greater leveraging of funds from multiple sources to facilitate funding for projects that achieve multiple goals
 - Expand the types of projects eligible for funding to include advanced technologies and infrastructure
 - Recognize GHG reductions such that investments can prioritize both criteria pollutant and GHG emission reductions
 - Modify implementation requirements to improve and streamline the funding process
- On December 18, 2014, CARB agreed on these improvement concepts and will develop draft statutory language
- Report is available at:

<http://www.arb.ca.gov/msprog/moyer/moyer%20staff%20report.pdf>



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A Committee of the Bay Area Clean Water Agencies

CITSS Version 5.0

- CARB released Version 5.0 of the Compliance Instrument Tracking System Service (CITSS):
 - Provides new functionality for transfer of compliance instruments
 - Supports recent amendments to California's Cap-and-Trade Regulation
- Tool functions:
 - Records ownership of compliance instruments
 - Enables and records compliance instrument transfers
 - Facilitates compliance instrument surrender
 - Supports market oversight through the collection of relevant information for California's Cap-and-Trade Regulation
- Training workshop is scheduled for January 20th
- Additional information is available at:
<http://www.arb.ca.gov/cc/capandtrade/markettrackingsystem/markettrackingsystem.htm>



USEPA Water & Climate Tools

- Avoided Emissions and Generation Tool (AVERT):
 - Estimates emissions benefits of energy efficiency and renewable energy programs
 - Available at: <http://www.epa.gov/avert/>
- U.S. Climate Resilience Toolkit:
 - Provides tools, information, and expertise to help build resilience to climate-related events
 - Available at: <http://toolkit.climate.gov/>
- Waste to Biogas Mapping Tool:
 - Connects generators of organic waste with potential users looking to increase biogas production through co-digestion
 - Designed for decision-makers with significant technical expertise in the fields of waste management, wastewater treatment, and renewable energy
 - Available at: <http://epamap21.epa.gov/biogas/index.html>
- Climate Resilience: What to Expect, How to Prepare, and What You Can Learn from Others:
 - Workbook and webinar tools designed for use by any place-based organization
 - Intended to identify and prioritize actions needed to address climate change vulnerabilities
 - Available at: <http://www2.epa.gov/cre/risk-based-adaptation>



USEPA Water & Climate Reports

- “Rising Waters, Rising Threat: How Climate Change Endangers America’s Neglected Wastewater Infrastructure” Report:
 - Recommends steps to protect water sources and public health from disruptions and overflows in wastewater treatment systems
 - Available at:
<https://www.americanprogress.org/issues/green/report/2014/10/31/100066/rising-waters-rising-threat/>
- “Food Waste to Energy: How Six Water Resource Recovery Facilities are Boosting Biogas Production and the Bottom Line” Report:
 - Provides a comprehensive case study of biogas production from co-digestion at six wastewater treatment plants nationwide
 - Available at: http://www.casaweb.org/documents/food_waste_to_energy.pdf



USEPA/CHP Partnership Resources

- “Financing CHP Projects at Wastewater Treatment Facilities with CWSRF”:
 - Describes CWSRF and its mechanism
 - Examples of CHP projects funded through the program include:
 - Reciprocating engine: Beaver Dam Municipal Water Treatment Plant
 - Stirling engine: City of Covington Wastewater Treatment Plant
 - Microturbine: West Lafayette Wastewater Treatment Facility
 - Available at:
<http://www.epa.gov/chp/documents/CHPCleanWaterStateRevolvingFundFactSheet-102014.pdf>
- “Approaches to Streamline Air Permitting for CHP: Permits by Rule (PBR) and General Permits (GP)”:
 - Provides better understanding of PBR and GP permitting process
 - PBR:
 - Optional permit provision applicable only to a certain type of source or facility
 - Contains qualifying criteria, emission limitations, conditions for operation, and requirements for record keeping and reporting
 - Functions as both the installation and operating "permit" for the source
 - GP: Issued to expedite permitting of a state-wide activity
 - Available at: <http://www.epa.gov/chp/documents/PBRFactsheet-10162014.pdf>



USEPA ENERGY STAR® Webinars

- January 15th: Financing Energy Efficient Upgrades with ENERGY STAR
 - Learn about financing projects in the public and private sectors and the basics of performance contracting
- January 27th: Portfolio Manager 101
 - Introduce the core functionality of the ENERGY STAR Portfolio Manager tool
- January 28th: Portfolio Manager 201
 - Dive deeper into more advanced tool functions
- January 29th: How to Apply for the ENERGY STAR
 - Application process for Portfolio Manager Certification
- February 12th: Benchmarking Water/Wastewater Treatment Facilities in Portfolio Manager
 - Measure and track energy use and CO₂ emission reductions
- Registration information is available at:
<http://www.energystar.gov/buildings/training>



University of California, Irvine School of Engineering Conferences

- UCI's School of Engineering is hosting 2 conferences this spring
- 15th Annual International Colloquium on Environmentally Preferred Advanced Power Generation Conference:
 - Scheduled for March 23rd – 24th
 - Focuses on clean energy systems, sustainable power generation, energy utilization, and grid ramification
 - Additional information is available at:
<http://www.apep.uci.edu/ICEPAG2015/default2.aspx>
- 2nd Annual Microgrid Global Summit:
 - Scheduled for March 25th – 26th
 - Planned to discuss the applicability of microgrids to ameliorate grid resilience and reliability
 - Additional information is available at:
<http://www.microgridglobalsummit.org/2015/html/speak.htm>



Additional Items

Grant Opportunities

Electric Program Investment Charge (EPIC) Program Funding: PON-14-307

- PON-14-307: Demonstrating Clean Energy Solutions that Support California's Industries, the Environment, and the Electrical Grid:
 - \$21 million in available funding
 - \$3 million maximum funding amount per project
 - 20% matching funds requirement
 - Eligible distributed generation and grid integration projects must use:
 - Community scale generators, including CHP and renewable generation technologies that are in the pre-commercial stage
 - Innovative energy management strategies to facilitate the integration of intermittent renewable energy and the reduction of peak power and energy demands
- Application deadline extended to January 16th
- Additional information is available at:

<http://www.energy.ca.gov/contracts/epic.html#PON-14-307>



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A Committee of the Bay Area Clean Water Agencies

EPIC Program Funding: PON-14-505

- PON-14-505: Advancing Clean Energy from Biogas, Biomethane, and Natural Gas:
 - \$5.5 million in available funding
 - 20% match funding requirement
 - Eligible projects must apply to **one** of the following topic areas:
 - Development and demonstration of affordable technologies and strategies for biogas cleanup and upgrading to biomethane or renewable natural gas for clean power generation
 - Demonstration of bottoming cycle solutions as supplemental power generation for highly efficient use of natural gas
 - Development and demonstration of micro-scale and other novel systems for small-scale combined cooling, heating, and power
- Applications are due February 6th
- Additional information is available at:
<http://www.energy.ca.gov/contracts/PON-14-505/>



Free Energy Audits

- California Energy Commission's (CEC) Energy Partnership Program:
 - Provides up to \$20,000 of technical support to identify energy projects and their technical and economic viability
 - Available to both water and wastewater utilities
- Applications accepted on a first-come, first-serve basis
- Questions: Shahid Chaudhry at (916) 654-4858 or Shahid.Chaudhry@energy.ca.gov
- Additional information is available at: <http://www.energy.ca.gov/efficiency/partnership/>



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State Water Board's Clean Water State Revolving Fund (CWSRF) Program

- CWSRF Program:
 - Accepts applications on a continuous basis
 - Offers low interest financing for water quality projects
 - Disburses \$200 - \$300 million annually
 - Any public body created under State law is eligible for funding
- CWSRF is currently focused on recycled water projects:
 - Create new water supplies as part of drought response
 - Recently approved \$800 million in 1% loans for eligible projects
 - Funding is **still** available, but eligible projects must:
 - Apply for funding by December 2nd
 - Be completed by January 17, 2017
 - Program still offers 30-year extended term financing options
- Additional information is available at:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/



GHG Reduction Organics Loan Program

- CalRecycle is providing loans to projects that:
 - Reduce GHG emissions from the handling or landfilling of California-generated green and food materials
 - Expand the existing capacity or establish new facilities to process California-generated green and food materials into new value-added products
- \$4.7 million in funding is available for FY 2014/2015:
 - \$2 million maximum loan amount
 - 25% matching funds requirement
- Secondary applications are due February 6th
- Loans will be awarded in April 2015
- Additional information is available at:
<http://www.calrecycle.ca.gov/Climate/GrantsLoans/OrganicsLoan/FY201415/default.htm>



DOE Title XVII Innovative Clean Energy Loan Program

- Intends to fill funding gap of private lenders not ready to take technology risk
- \$40 billion in loan guarantees available:
 - \$16 billion for Advanced Technology Vehicles Manufacturing (*direct loans*)
 - \$8 billion for Advanced Fossil Energy
 - \$4 billion for Renewable Energy and Efficiency
 - \$12 billion for Advanced Nuclear Energy
- Title XVII key project eligibility requirements:
 - Innovative: prove new or significantly new technology or system
 - Use, avoid, or sequester GHGs
 - Within U.S. territories, but may be foreign-owned
 - Due diligence: credit rating and risk
- Ongoing solicitation application process:
 - Part I: \$50,000 fee to confirm eligibility
 - Part II: Confirm due diligence
 - \$350,000 fee for projects valued > \$150 million
 - \$100,000 fee for projects valued < \$150 million
- Additional information is available at:

<http://energy.gov/lpo/innovative-clean-energy-projects-title-xvii-loan-program>



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Renewable Energy and Efficient Energy Projects Loan Guarantee

- Program intended to support the first commercial-scale deployments of the next wave of innovative clean energy technologies
- Drop-in Biofuels:
 - Focuses on biofuels that are more compatible with today's engines, delivery infrastructure, and refueling station equipment
 - Projects provide nearly identical bio-based substitutes for crude oil, gasoline, diesel fuel, and jet fuel or produce intermediate fuel feedstocks
- Waste-to-Energy:
 - Focuses on projects harnessing waste products, such as landfill CH₄ and segregated waste, as a source of energy
 - Projects will enable commercial-scale utilization of waste materials, which are otherwise discarded, and produce significant clean, renewable energy
- Part I applications are due no later than December 2nd
- Part II applications are due following invitation by DOE
- Additional information is available at:
<http://energy.gov/lpo/services/solicitations/renewable-energy-efficient-energy-projects-solicitation>



Clean Vehicle Rebate Project (CVRP)

- CVRP Program:
 - Accelerates the number of ultra-clean vehicles sold in California
 - Helps establish a sustainable market
- CVRP offers rebate funding for zero-emission and plug-in hybrid electric vehicles:
 - \$110 million allocated for FY 2014/2015 funding
 - 61% of funding still available
 - Accepting applications on a first-come, first-serve basis
- Rebates offered for purchase or lease:
 - \$5,000 per hydrogen fuel cell vehicle
 - \$2,500 per battery electric vehicle
 - \$1,500 per plug-in hybrid electric vehicle
- Additional information is available at:
<http://energycenter.org/clean-vehicle-rebate-project>



Carl Moyer Memorial Air Quality Standards Attainment Program

- BAAQMD's Carl Moyer Program:
 - Strives to reduce air emissions from local heavy/medium-duty engines
 - Accepting applications on a first-come, first-serve basis
- Grants:
 - Cannot be used for projects currently required by law
 - Are available for projects that:
 - Install verified emission control devices
 - Replace older heavy-duty engines with newer and cleaner engines
 - Replace older equipment with newer and cleaner equipment
 - Purchase new equipment that is cleaner than the law requires
 - Install electric idling-reduction equipment
- Applications **still** being accepted
- Additional information is available at:
<http://www.baaqmd.gov/Divisions/Strategic-Incentives/Funding-Sources/Carl-Moyer-Program.aspx>



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Voucher Incentive Program: On-road Heavy-Duty Vehicles

- Voucher Incentive Program:
 - Provides funding to reduce on-road heavy-duty diesel truck emissions
 - Applies to owners and operators of fleets of < 3 vehicles
 - Applies to on-road trucks with a GVWR > 14,000 pounds
- Available funds:
 - Total of \$3 million available for the BAAQMD
 - Up to \$45,000 towards the purchase of a new vehicle
 - Up to \$10,000 for purchase and installation of a retrofit device
- 2015 Funding Tables released:
 - Effective January 1st
 - Available at: http://www.arb.ca.gov/msprog/mailouts/mouts_14.htm
- Applications accepted on a first-come, first-serve basis
- BAAQMD-specific information is available at:
<http://www.baaqmd.gov/Divisions/Strategic-Incentives/On-Road-Vehicles/Voucher-Incentive-Program.aspx>



Hybrid & Zero-Emission Truck & Bus Voucher Incentive Project

- Voucher Incentive Project:
 - Provides vouchers to help California fleets purchase heavy- and medium-duty zero-emission trucks and buses
 - Fleets can order as many as 200 vouchers, with a limit of one voucher per vehicle
- Available funds:
 - \$5.7 million in funding **still** available
 - Up to \$110,000 towards the purchase of a new truck or bus
 - Additional funding may come from cap-and-trade revenue
- Applications accepted on a first-come, first-serve basis
- Additional information is available at:
<http://www.californiahvip.org/default.aspx>



Truck Loan Assistance Program

- Truck Loan Assistance Program:
 - Helps small business fleet owners finance truck upgrades required under CARB's In-Use Truck & Bus Regulation
 - Helps truck owners purchase cleaner trucks, exhaust retrofits, and truck efficiency upgrades
- Offers competitive-rate financing for fleets meeting the following criteria:
 - Company must be a small business (100 employees or less and less than \$10 million in annual revenue)
 - Fleet must operate in California a minimum of 51% of the total mileage
 - Fleet must be 10 or fewer heavy-duty trucks
- An additional \$10 million in funding is available from the 2014-2015 Investment Plan
- Additional information is available at:

http://www.arb.ca.gov/msprog/truckstop/funding/loans_fa.htm



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Additional Items

CASA Energy Workgroup
& CWCCG Updates

CASA Energy Workgroup Updates

- SB 1122 Bioenergy Feed-in Tariff:
 - Implementation plan adopted by CPUC on December 18, 2014
 - Requires electrical utilities to purchase a specified amount of bioenergy from certain sources, including from POTWs that produce biogas through anaerobic digestion
- Cap-and-Trade funding for Bioenergy Projects:
 - CASA to organize subcommittee to develop list of project options if funding is awarded
 - CARB willing to fund biogas production near hydrogen fueling stations to support clean transportation
- Role of WWTPs in achieving State goals (i.e., GHG reductions):
 - Make DOE aware of water-related energy issues beyond water for cooling power plants
- Fire reclamation efforts:
 - CASA submitted a letter of support with the RFP
 - Currently identifying locations for 2015 projects
 - Projects would use biosolids to reclaim fire ravaged lands
- OEHHA CalEnviroScreen and USEPA Environmental Justice Screening Tool:
 - Need to understand restrictions for POTW projects located in an Environmental Justice community



CWCCG Updates

- **Prioritization of AB 32 Scoping Plan Goals for WW Community:**
 - Developing incentives for R&D on energy recovery
 - Conservation and water reuse support by modifying air and water state requirements
 - State-owned infrastructure improvements from offset C&T protocol benefits
 - CWCCG to work with CPUC to streamline process for distributed generation in 2015
 - Attendance at January 12th AB 32 WET CAT Meeting supports these efforts
- **Draft Guidance for GHG Emissions and Climate Change Impacts under NEPA:**
 - Quantify GHG emissions if $\geq 25,000$ metric tons CO₂e (biogenic and fossil)
 - Waste-derived feedstock (biogas) has no net biogenic contribution to GHG emissions
 - CWCCG will review WWTP chemical production emissions
 - GHG emitters are encouraged, but not required, to measure their contributions to climate change impacts
 - Comments are due February 16th
- **Enhancing the Climate Resilience of America's Natural Resources:**
 - Big-picture report for outlining what future regulations which will be based on
 - Themes include carbon sinks (natural), community preparedness using natural resources, carbon sequestration, and climate change effect on plants
 - Minimal reference to WW or WW-related issues



Additional Items

AIR Business Items

BACWA AIR Business Items

- Total budget for FY 2014/2015: \$77,064
 - Spent: \$46,385 (through Friday, December 26th)
 - 60% of budget
 - Possibly reduce remaining meeting schedule to meet budget
- Potential topics for annual BAAQMD meeting:
 - Introduction and information exchange with the new BAAQMD POTW Permit Engineers
 - Tour a POTW with the new BAAQMD POTW Permit Engineers
 - Climate change updates
 - Cross-media issues:
 - Ability to meet BACT for biogas-fueled CHP/ICE systems
 - Responses to our comment letter (submitted June 2014)
 - Regulation 2 updates:
 - Timing for USEPA approval
 - Implications of implementation following USEPA approval
 - Other?



Closing

Next Meeting: Wednesday, March 11, 2015

Annual BAAQMD Meeting (Location TBD)