



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies

Committee Meeting

July 16, 2014

10:00 am – 1:00 pm

Introductions & Opening

Agenda

- Introductions and Opening
- Regulatory Updates
 - I. Local Regulatory News
 - II. State Regulatory News
 - III. National Regulatory News
- Technical Resources
- Grant Opportunities
- CWCCG/CASA Energy Workgroup Meeting Overview
- AIR Business Items
- Closing



Local Regulatory News

Local Regulatory News

BAAQMD Engines Follow-up

BAAQMD Engines Follow-up

- USEPA's RICE NESHAP Rule:
 - What is the definition of local reliability?
 - Local reliability operation allowed to supply power if **all** of the following criteria are met:
 - Engine is dispatched by:
 - » Local balancing authority or
 - » Local transmission and distribution (T&D) system operator
 - Dispatch is intended to mitigate local T&D limitations to avert potential voltage collapse or line overloads leading to the interruption of power supply
 - Dispatch follows reliability, emergency operation, or similar protocols that follow specific standards or guidelines
 - Power is provided only to the facility itself or to support the local T&D system
 - Owner/operator identifies and records:
 - » Entity that dispatches the engine
 - » Specific standards or guidelines that are being followed for dispatching the engine
 - Criteria are listed at: <http://www.epa.gov/ttn/atw/ice/ci/DEFINITION-Emergency-stationary-internal-combustion-engines.pdf>



BAAQMD Engines Follow-up (Continued)

- USEPA's RICE NESHAP Rule (Continued):
 - Where and how are semi-annual compliance reports submitted?
 - Semi-annual compliance reports are submitted via mail to:

Bay Area Air Quality Management District
Attention: Compliance & Enforcement Division
939 Ellis Street
San Francisco, CA 94109
 - With each submission, include a cover letter explaining:
 - What the report is for
 - What rules require the submittal of the report
- BAAQMD's Regulation 9-7 (Boiler Emission Limits):
 - What constitutes a year (i.e., calendar year vs. 12-month rolling year)?
 - "Year" is separately specified in each section of Regulation 9, Rule 7
 - Contact Kevin Oei/BAAQMD if you have specific questions



Local Regulatory News

BAAQMD Fees

BAAQMD Fee Increase

Effective July 1st

- Purpose: Help BAAQMD recover greater share of the costs of implementing and enforcing regulatory programs for stationary sources of air pollution
- 3% Fee Increase:
 - New and modified source filing
 - Banking
 - Alternate compliance plans
 - Permit to operate renewals
- Fee increases associated with various schedules in Regulation 3 vary between 2% and 9%
- Adopted regulation available at:

http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/Rules%20and%20Regs/reg%2003/RG0300_060414.ashx?la=en



Local Regulatory News

BAAQMD Clean Air Plan & Climate Protection Strategy

BAAQMD Clean Air Plan & Climate Protection Strategy

- BAAQMD to incorporate a Climate Protection Strategy into the 2014 Clean Air Plan updates, including a multi-pollutant strategy
- BACWA AIR Comment Letter:
 - Responds to cross-media issues discussed during our February 26th meeting
 - Specifically addresses:
 - Nutrient removal contributing to increased GHG emissions
 - Conflicts between air quality regulations pushing POTWs to flare biogas and GHG regulations encouraging POTWs to increase the use of biogas as a renewable fuel
 - Encouraging incentives for green infrastructure
 - Submitted on June 6th
 - No feedback received from BAAQMD yet



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies 11

State Regulatory News

State Regulatory News

2013 Building Energy Efficiency Standards

2013 Building Energy Efficiency Standards Effective July 1st

- Standards call for:
 - High performance windows
 - Efficient process equipment
 - Advanced multi-level lighting controls and sensors
 - Occupant-controlled smart thermostats
 - Solar-ready roofs
 - Increased cooling tower energy efficiency
- Training opportunities:
 - CEC webinar on July 18th to provide an overview of available software options for documenting compliance
 - PG&E workshop schedule posted at:
<http://www.pge.com/mybusiness/edusafety/training/pec/classes/index.jsp>
- Compliance tools available:
 - Reference Ace: <http://www.energycodeace.com/>
 - CBECC-Com V2: <http://bees.archenergy.com/software.html>
 - IES Virtual Environment 2013: <http://www.iesve.com/software/title24>



State Regulatory News

Vapor Recovery Program

Vapor Recovery Program

- Program addresses Enhanced Vapor Recovery (EVR) systems that recover gasoline vapors generated while fueling vehicles in a service station
- Proposed changes to Vapor Recovery Program:
 - Changes to the Aboveground Storage Tank EVR Regulations
 - Establishment of new certification process
 - New spillage standards for enhanced conventional nozzles that do not include a vapor recovery path
- Workshop scheduled for July 21st
- Considered for board approval in November 2014
- Additional information is available at:
<http://www.arb.ca.gov/vapor/vapor.htm>



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies 16

State Regulatory News

**In-Use Off-Road Diesel
Vehicles**

In-Use Off-Road Diesel Vehicles

- Regulation reduces emissions from diesel-powered equipment with a power rating > 25 hp
- Fleet requirements:
 - Subject to restrictions on unnecessary idling
 - Subject to emission standards (based on fleet average)
 - Medium fleets (between 2,501 and 5,000 hp) subject to January 1, 2017 compliance deadline
- Medium Fleet Average Calculator:
 - Calculates fleet average index and targets based on equipment model year and power output
 - Features help owners plan compliance strategies
 - Includes all compliance years to January 1, 2023
 - Additional information is available at:
<http://www.arb.ca.gov/msprog/ordiesel/documents/documents.htm>



State Regulatory News

Voluntary Renewable Electricity Purchases

Voluntary Renewable Electricity Purchases

- Voluntary Renewable Electricity (VRE) Program:
 - Supports renewable electricity purchases not mandated by Renewables Portfolio Standard (RPS)
 - Provides mechanism for recognition of voluntary purchases in the Cap-and-Trade Program
- Cap-and-Trade Program:
 - Specifies percentage of allowances set aside each year for VRE purposes
 - VRE purchasers may apply to retire these “set aside” allowances
 - Retirement allows VRE purchaser to claim a reduction in GHG emissions
- Application forms and instructions are available at:
<http://www.arb.ca.gov/cc/capandtrade/renewable/voluntary-renewable-update.htm>



State Regulatory News

First Update to the Climate Change Scoping Plan

First Update to the Climate Change Scoping Plan

- Adopted on May 22nd
- CWCCG comments were largely not addressed:
 - Figures inaccurately show “wastewater” as the State’s 5th largest source of anthropogenic methane
 - Concerned about CARB’s intent to expand its GHG monitoring program to study large area sources such as landfills, wastewater treatment plants, and other fugitive emission sources without cooperation from the wastewater community
 - Seek collaboration to:
 - 2015: Develop incentives for resource-recovery related wastewater treatment projects
 - 2016: Modify policies and permits to achieve conservation, water recycling, storm water reuse and diversion, and wastewater-to-energy goals
- CWCCG plans to meet with CARB to discuss path forward
- Next update is scheduled for 2018



State Regulatory News

Low Carbon Fuel Standard: Biomethane Fuel Pathway

Low Carbon Fuel Standard (LCFS): Biomethane Fuel Pathway

- Biomethane can be produced as a transportation fuel from anaerobic digestion of wastewater sludge at POTWs
- Two LCFS pathways proposed:
 - Small-to-Medium POTW (5-20 MGD): 10.86 g CO₂e/MJ
 - Medium-to-Large POTW (21-100 MGD): -65.27 g CO₂e/MJ*
- Production of transportation fuel from biogas is a viable solution to the regulatory constraints facing POTWs
- CASA Energy Workgroup submitted comments on May 30th:
 - Why are pathways only for mesophilic digestion?
 - Would onsite use of power yield same credit as grid export?
 - Double-counting of credit for avoided flaring and power production?
 - Why is credit not given for land application of biosolids?
 - What about facilities < 5 MGD or > 100 MGD?
 - Any increased credit for co-digestion?

*CARB revised value to -29 to remove flaring double credit



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

State Regulatory News

Carl Moyer Program Guideline Revisions

Carl Moyer Program Guideline Revisions

- Carl Moyer Program:
 - Provides grant funding for the incremental cost of cleaner-than-required engines, equipment, and emission reduction technologies
 - Funds emission reductions that are surplus
- Proposed changes to the Carl Moyer Program Guidelines:
 - Comments due August 22nd
 - Major revisions:
 - Reduce surplus emission reduction period to 1 year
 - Reduce minimum California usage requirement to 51%
 - Prioritize on-road funding to small fleets (< 10 vehicles)
 - Include light heavy-duty vehicles (GVWR > 14,000 lbs)
 - Administrative changes (emission factor references, clarify compliance deadlines, etc.)
- Proposed language is available at:
<http://www.arb.ca.gov/msprog/moyer/moyer.htm>



State Regulatory News

Southern California Alliance of POTWs: ATCM Comments

Southern California Alliance of POTWs: ATCM Comments

- Southern California Alliance of POTWs (SCAP):
 - Represents 81 POTWs in Los Angeles, Orange, San Diego, Santa Barbara, Riverside, San Bernardino, and Ventura counties
 - SCAP agencies employ various sized fleets of portable diesel engines for both emergency and non-emergency uses
- Recently submitted comments to CARB regarding the Portable Diesel-Fueled Engines Air Toxic Control Measure (ATCM):
 - Industry may not be able to meet the 2017 and 2020 deadlines:
 - 2017: Requires purchase of many new engines that are not Tier 4, since not all engine classes are currently available
 - 2020: Requires subsequent repurchasing of the new engines with a Tier 4 equivalent engine
 - Request amendments that recognize:
 - Tier 4 engine market availability issues
 - Industries' good faith efforts to date



National Regulatory News

National Regulatory News

Renewable Fuel Standards

Renewable Fuel Standards

- Revisions to the Renewable Fuel Standards (RFS):
 - Adopted on July 2nd
 - Qualifies wastewater-derived transportation fuels as cellulosic biofuels
- Approved cellulosic fuel pathways applicable to POTWs:
 - Compressed and liquefied natural gas produced from POTW biogas
 - Electricity produced from POTW biogas that is used to power electric vehicles
- Benefits of rulemaking:
 - Provides a new source of revenue for POTWs producing transportation fuels from biogas
 - Achieves goal of having USEPA and other federal agencies fully recognize that fuels produced at POTWs are renewable
- Final regulation is available at:
<http://epa.gov/otaq/fuels/renewablefuels/documents/rfs-path-ii-fr-07-02-14.pdf>



National Regulatory News

GHG Tailoring Rule

GHG Tailoring Rule

- June 24th Supreme Court ruling:
 - Affirmed USEPA's ability to regulate GHG emissions
 - Found key aspects of the GHG Tailoring Rule to be improper
- GHG Tailoring Rule Findings:
 - GHG emissions alone cannot trigger Prevention of Significant Deterioration (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
- Next Steps:
 - USEPA will propose an amended regulation
 - 3-year biogenic CO₂ deferral still outstanding
 - States may need to re-write regulations to remove the GHG emissions trigger



National Regulatory News

**Climate Change Adaptation
Policy Statement**

Climate Change Adaptation Policy Statement

- Allows USEPA to help communities:
 - Increase resiliency to extreme weather events
 - Prepare for and respond to the impacts of climate change
- Directives include:
 - Modernize USEPA financial assistance program to encourage climate-resilient investments
 - Provide information, tools, training, and technical support for climate change preparedness and resilience
 - Implement priority actions identified in USEPA’s Climate Change Adaptation Plan
 - Focus on the most vulnerable people and places
 - Measure and evaluate performance of climate adaptation actions
 - Continue planning for climate change-related risk
 - Coordinate with other federal agencies
- Additional information is available at:
<http://epa.gov/climatechange/impacts-adaptation/fed-programs.html>



National Regulatory News

SNAP Refrigerants

SNAP Refrigerants

- Significant New Alternatives Policy (SNAP) Program:
 - Identifies and approves additional climate-friendly chemicals
 - Climate Action Plan utilizes SNAP Program to evaluate substitute chemicals and technologies that are safe for the ozone layer
- USEPA's proposed action:
 - Expands list of SNAP-approved substitutes to include more low-GWP alternates
 - Revises current venting prohibition to account for 4 substitutes
- Targets 6 refrigeration and air conditioning applications:
 - Stand-alone commercial and household refrigerators and freezers
 - Very low temperature refrigeration
 - Non-mechanical heat transfer
 - Vending machines
 - Room air conditioning units



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies 37

Additional Items

Additional Items

Technical Resources

CARB Diesel Vehicle and Equipment Training Courses

Course	Date	Location
#511.2: Overview of Diesel Emission Control Strategies	July 17	San Leandro
#525: Compliance Overview: Truck & Bus Rule, Off-Road Vehicle Regulation, and PERP	July 18	San Leandro

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



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

California and Quebec: Joint Cap-and-Trade Auction

- California and Quebec will conduct a practice joint auction for their linked Cap-and-Trade Programs
- Joint auction is scheduled for August 7th
- Application period will open on July 29th
- Eligible entities include those who have a CITSS account and have selected the “Auction Participant” option
- Purpose of the joint auction is to:
 - Test auction platform
 - Become familiar with features that support a joint auction
 - Survey participants regarding their experience
- Additional information is available at:
http://www.arb.ca.gov/cc/capandtrade/auction/joint_auctions.htm



California Adaptation Forum

- Forum details:
 - Scheduled for August 19 – 20 in Sacramento
 - Co-hosted by the Local Government Commission and State of California
- Early bird registration ends July 18th
- Sessions will focus on cross-cutting sector tracks, including:
 - Frameworks
 - Governance
 - Implementation Strategies
 - Monitoring and Evaluation
 - Innovation and Technology
 - Community Engagement and Communications
 - Funding, Financing, and the Economics of Adaptation
- Registration information is available at:
<http://www.californiaadaptationforum.org/>



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

Fourth California Climate Assessment Workshop

- Fourth California Climate Assessment:
 - Intended to develop regionally-relevant climate research to support continued leadership on actions to address climate change and safeguard California's people, economy, and resources
- California Natural Resources Agency is currently seeking feedback on the proposed scope of work
- 3 public workshops scheduled:
 - August 8th in Sacramento
 - August 12th in Los Angeles
 - August 13th in San Francisco
- Additional information is available at:
<http://resources.ca.gov/climate/fourth.html/>



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

The Climate Registry: Cool Planet & Climate Leadership

- Cool Planet Webinars:
 - July 17th: Steps to applying for a climate leadership award
 - August 21st: Creating meaningful goals for GHG reductions
 - September 18th: Benefits of third-party verification
- 2015 Climate Leadership Awards:
 - Awards call attention to exemplary corporate, organizational, and individual leadership in response to climate change
 - Application period ends September 12th
 - Early bird application period ends August 8th
 - Early bird applicants will receive an initial review for completeness and clarity
 - Winners will be notified in December and honored at the Climate Leadership Conference in early 2015
 - Application information is available at:
<http://www.epa.gov/climateleadership/awards/application.html>



Department of Energy (DOE) Water and Energy Reports

- Designing Water Rate Structures for Conservation & Revenue Stability:
 - Evaluates conflict between encouraging water conservation without reducing water utility revenue
 - Explores the relationship between water pricing, water use, and revenue stability
 - Report based on Texas water utility efforts
 - Available at: <http://efc.web.unc.edu/2014/02/26/water-rate-structures-for-conservation-and-revenue-stability/>
- The Water-Energy Nexus: Challenges and Opportunities:
 - Stresses the need for an integrated approach to address the challenges and opportunities of the water-energy nexus
 - Identifies 6 strategic pillars to address the water-energy nexus
 - Identifies research and development opportunities
 - Lays the foundation for future DOE efforts
 - Available at: <http://energy.gov/downloads/water-energy-nexus-challenges-and-opportunities>



Water-Energy Nexus Webinar

- Webinar scheduled for July 24th
- Webinar will discuss effective stakeholder engagement to address water-energy challenges and implement innovations
- Featured speakers:
 - American Water: Engineering Practice Leader
 - Describe recent work using renewable energy technologies and how community partners have been engaged
 - EBMUD: Manager of Water Treatment and Distribution
 - Focus on 2 projects with multiple stakeholders that have helped the utility implement its energy management strategy
- Register at: <https://www4.gotomeeting.com/register/621992255>



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

ENERGY STAR Program Webinars

- ENERGY STAR Program webinars provide instruction on tools used to track energy and water consumption data and reduction goals
- Portfolio Manager is a tool allowing users to:
 - Add a property
 - Enter energy and water consumption data
 - Manage and track changes to property uses over time
 - Set goals and targets to plan energy improvements for properties
 - Generate energy performance reports for property
- Schedule:
 - July 17th: Financing Energy Efficient Upgrades
 - July 24th: Portfolio Manager Office Hours: Green Power
 - July 29th: Portfolio Manager 101
 - July 30th: Portfolio Manager 201



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies 47

Additional Items

Grant Opportunities

Electric Program Investment Charge (EPIC) Program Funding

- Solicitation to:
 - Fund projects that demonstrate the reliable integration of energy efficient demand-side resources, distributed clean energy generation, and smart grid components to enable energy-smart community development
 - Support the development of microgrids that incorporate clean, low-carbon energy resources with energy storage and on-site energy management systems
- Projects must fall within one of 3 groups:
 - Demonstration of Low Carbon-Based Microgrids for Critical Facilities
 - Demonstration of High-Penetration, Renewable-Based Microgrids
 - Demonstration of Advanced Smart and Bidirectional Vehicle Charging
- Will award a minimum of \$500,000 to projects within each group
- Pre-application workshop is July 29th
- Applications due November 3rd
- Additional information is available at:
<http://www.energy.ca.gov/contracts/PON-14-301/>



Microgrid 2014 MVP Challenge

- Competition will recognize organizations that have adopted successful grid strategies which can continue providing vital public services during power disruptions
- Organizations with operational microgrids should submit:
 - Designs
 - Operational data (when/how long it was disconnected from the traditional grid)
- Entries judged according to four criteria:
 - Resiliency
 - Clean energy system
 - Efficiency
 - Cost effectiveness
- Will award \$100,000 to one municipal facility
- Applications due August 29th
- Additional information is available at:

<http://www.energy.gov/oe/downloads/microgrid-2014-mvp-challenge>



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

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 methane 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 due Oct. 1st; Part II applications due Jan. 14th
- Additional information is available at:
<http://energy.gov/lpo/services/solicitations/renewable-energy-efficient-energy-projects-solicitation>

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 2, 2015
 - Be completed by January 17, 2017
 - Program still offers 30-year extended term financing options

- Additional information is available at:

www.waterboards.ca.gov/water_issues/programs/grants_loans/sr/srf_forms.shtml



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

Free Energy Audits

- California Energy Commission's 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/>



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies

California Energy Commission (CEC) 2014-2015 Investment Plan

- Adopted on April 22nd:
 - Summarizes funding opportunities for FY 2014-2015
 - Allocates \$100 million per year toward the development and deployment of low-carbon alternative fuels, fueling infrastructure, and advanced vehicle technologies
- Opportunities include:
 - Biofuel production/supply projects (\$20 million)
 - Natural gas vehicle deployment (\$10 million)
 - Medium- and heavy-duty advanced vehicle technology demonstration (\$15 million)
 - Light-duty electric vehicle deployment (\$5 million)
- Plan is available at: <http://www.energy.ca.gov/2013publications/CEC-600-2013-003/CEC-600-2013-003-CMF.pdf>



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:
 - 100% of FY13-14 funding has been used
 - \$116 million allocated for FY14-15 funding
 - 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/index.php/incentive-programs/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
- Accepting comments on proposed revisions to the guidelines
- Additional information available at:
<http://www.baaqmd.gov/Divisions/Strategic-Incentives/Funding-Sources/Carl-Moyer-Program.aspx>



Voucher Incentive Program: On-road Heavy-Duty Vehicles

- Program:
 - Provides funding to reduce on-road heavy-duty diesel truck emissions
 - Applies to owners and operators of fleets of < 10 vehicles
 - Applies to on-road trucks with a GVWR > 14,000 pounds
- Available funds:
 - Total of \$3 million available now 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
- Applications accepted on a first-come, first-serve basis
- BAAQMD-specific information available at:
<http://www.baaqmd.gov/Divisions/Strategic-Incentives/On-Road-Vehicles/Voucher-Incentive-Program.aspx>



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies 57

Hybrid & Zero-Emission Truck & Bus Voucher Incentive Project

- Project:
 - Provides vouchers to help California fleets purchase hybrid and zero-emission trucks and buses
 - Fleets can order as many as 200 vouchers, with a limit of one voucher per vehicle
 - Only applies to heavy- and medium-duty vehicles
- Available funds:
 - Total of \$9.54 million available now
 - Up to \$55,000 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>



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies

Truck Loan Assistance Program

- Truck Loan Assistance Program:
 - Helps small business fleet owners finance truck upgrades required under CARB's In-Use Truck and Bus Regulation
 - Helps truck owners purchase cleaner trucks, exhaust retrofits, and truck efficiency upgrades
- Program 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 2014-2015 Investment Plan
- Additional information is available at:
http://www.arb.ca.gov/msprog/truckstop/funding/loans_fa.htm



Additional Items

**CWCCCG/CASA Energy
Workgroup Meeting Overview**

CWCCG Meeting Overview

- CARB Mandatory GHG Reporting Regulation:
 - Adds definitions of tissue, wipes, etc.
 - Adds renewable diesel as biomass-derived transport fuel (for fuel suppliers)
- AB 32 Scoping Plan Update concerns (see earlier slide)
- AB 32 Environmental Justice (EJ) Advisory Committee:
 - Advises CARB on scoping plan development and implementation
 - Concerns about how AB 32 implementation will impact EJ communities:
 - Offsets don't encourage reductions in EJ communities
 - Want 100% wind and solar power in the State
 - Want all cap-and-trade allowances sold with no offsets
- USEPA Clean Power Plan:
 - Reduces GHG emissions from existing power plants
 - Allows for regional goals, which may lead to nationwide cap-and-trade program
- Fire reclamation efforts:
 - Use biosolids to reclaim fire ravaged lands
 - 2 key benefits: erosion control and native species



CASA Energy Workgroup Meeting Overview

- Assembly Bill 1900 Phase 2 (Pipeline Interconnection Costs):
 - WWTPs can't afford biogas interconnection without financial help
 - WWTPs prefer funding to come from cap-and-trade auction proceeds or utilities
- Research on Biogas Constituents of Concern (CoCs):
 - CARB to identify CoCs in biogas from sources not yet studied
 - CEC to identify CoCs from combustion units that may yield secondary pollutants
- Cap-and-Trade proceeds in budget update:
 - Original budget allocated money for WWTPs, but now rejected
 - CASA has requested funding for WWTPs to implement GHG mitigation and renewable projects/investments
- CalRecycle anaerobic digestion regulations:
 - No timeline for formal regulatory activity (likely 12 to 18 months out)
 - Recommend POTWs develop standard operating procedures for submission to the Regional Water Quality Control Board
- LCFS pathways (see earlier slide)



Additional Items

AIR Business Items

BACWA AIR Business Items

- Total budget for FY 2013/2014: \$74,440
 - Spent: \$74,440 (through Friday, June 27th)
 - 100% of budget
- Total budget for FY 2014/2015: \$77,064
 - Spent: \$2,129 (through Friday, July 11th)
 - 3% of budget
- Feedback on weekly digest e-mails:
 - Format
 - Frequency
 - Other comments
- Meeting frequency:
 - Continue to meet every other month
 - Reduce frequency to quarterly
 - Other suggestions
- CWCCG/CASA Energy Workgroup:
 - CH2M HILL could attend on BACWA AIR's behalf
 - CH2M HILL could provide overview at BACWA AIR meetings



AIR ISSUES & REGULATIONS COMMITTEE

Committee of the Bay Area Clean Water Agencies

Closing

Next Meeting: Wednesday, September 17, 2014

Ideas for next meeting?