



**BACWA AIR Committee Meeting**

October 21, 2009  
Oakland, CA

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**Agenda**

- I. Introductions & Announcements
- II. AB 32 Updates
- III. State Updates
- IV. National Updates
- V. CARB Fleet Updates
- VI. Grant and Loan Opportunities
- VII. Local Regulatory Updates
- VIII. Climate Change News
- IX. General Discussion
- X. Closing

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**Introductions & Announcements**

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**AB 32 Updates**

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**AB 32 Update:  
Mandatory Reporting of GHGs**

**Planning for Next Year: Verification!**

<b>Relevancy</b>	<ul style="list-style-type: none"> <li>• Verification required for next year's reports</li> <li>• Complete verification 6 months after report submission</li> </ul> <p>2009 Reports Due: April 1, 2010</p> <p>- Verification required every 3 years (most sources)</p> <p>A Certification and Verification Webinar – September 2009 Presentation and video available: <a href="http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm">http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm</a></p>
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**AB 32 Update:  
Mandatory Reporting of GHGs**

**AIR Committee Comment Letter**

<b>Status</b>	<ul style="list-style-type: none"> <li>• September 4, 2009 - Committee Comment Letter Submitted</li> <li>• September 8, 2009 - Received confirmation of receipt of comments</li> <li>• official response to comments pending</li> </ul>
<b>Summary</b>	<ol style="list-style-type: none"> <li>1. Reporting Tool Issues</li> <li>2. Reporting Units: provide more options</li> <li>3. Regulation Terminology: biogas vs. digester gas</li> <li>4. Testing and Sampling Requirements: allow alternative methods</li> <li>5. Reporting after Reduced Emissions: 1 year instead of 3 years</li> <li>6. Reporting Biogenic Emissions: eliminate requirement</li> </ol>

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## AB 32 Update: Mandatory Reporting of GHGs

### Training Videos and FAQs Posted Online

Website:

[http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg\\_rep\\_faqs.pdf](http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg_rep_faqs.pdf)

- Sector-specific Reporting Tool training videos available on website

You may submit additional or clarifying questions to

[ghgreport@arb.ca.gov](mailto:ghgreport@arb.ca.gov)

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## AB 32 Update: Mandatory Reporting of GHGs

### Planning for Next Year: Workshop

Planned workshop being hosted by BACWA for this year's new updates to the Mandatory Reporting process

- Would include verification process information
- Combined with Climate Change 101
- Seek partnership with SCAP & CVCWA
- Date/Timing Suggestions?

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## AB 32 Update: Cap-and-Trade EAAC Meeting

<b>Status</b>	October 8, 2009 - Economic and Allocation Advisory Committee (EAAC) Meeting
<b>Meeting Topics</b>	- Allocation Methods - Allowance Value Provision - Economic Impacts Report (AB 32 in general)
<b>More Info</b>	<b>Meeting Material:</b> <a href="http://www.climatechange.ca.gov/eaac/meetings/2009-10-07/presentations/">http://www.climatechange.ca.gov/eaac/meetings/2009-10-07/presentations/</a>

Jon Elam (TCSD) attended this meeting.

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### CAR Protocol for Organic Waste Digestion (OWD) Projects

<b>Status</b>	- September 28, 2009 - Final Protocol Released - October 7, 2009 - Considered for adoption at CAR Board Meeting Commenting Agencies: Dublin San Ramon, EBMUD
<b>Summary</b>	Protocol requires quantifying GHG emission reductions associated with: - organic waste/wastewater - anaerobic treatment and disposal systems
<b>More Info</b>	<a href="http://www.climateactionreserve.org/how/protocols/protocols-in-progress/co-digestion-project-protocol/">http://www.climateactionreserve.org/how/protocols/protocols-in-progress/co-digestion-project-protocol/</a>

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### CWCCG Update

<b>Summary</b>	- New Program Manager: Jackie Kepke (CH2M HILL) - Working on behalf of POTWs on climate change issues - 13 priority project areas of more than 70 Scoping Plan Measures for which ARB is looking to adopt regulations - Main focus: Cap and Trade - Issue Paper Finalized - Other Issues of Interest: <ol style="list-style-type: none"> <li>1. Combined Heat and Power Issues</li> <li>2. Mandatory Reporting</li> <li>3. Renewable Energy Portfolio Standards</li> <li>4. CEQA GHG Thresholds</li> <li>5. CAR OWD Protocol</li> </ol> Stephanie Cheng serving on Steering Committee on behalf of BACWA
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### California Energy Efficiency Programs

<b>Summary</b>	• September 24, 2009 - The California Public Utilities Commission (CPUC) established energy efficiency programs for 2010 - 2012. - 3 year budget for \$3.1 billion: largest commitment ever made by a state to energy efficiency  • September 18, 2009 - California Long Term Energy Efficiency Strategic Plan was adopted by the CPUC - Comprehensive plan for 2009 through 2020
<b>More Info</b>	<a href="http://www.californiaenergyefficiency.com/index.shtml">http://www.californiaenergyefficiency.com/index.shtml</a>

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## CEC Renewable Energy Survey

<b>Summary</b>	CEC is conducting a survey of renewable energy development potential co-located with water and wastewater systems. - conducted in partnership by: SCAP, CASA, BACWA, ACWA, MWD, SCE & PGE
<b>Purpose</b>	- understand potential for additional renewable development in these sectors - publicize the ongoing voluntary efforts to incorporate renewable energy and energy efficiency practices - white paper will be published on CEC website
<b>More Info</b>	Please complete the survey at your earliest convenience! <a href="http://www.surveymonkey.com/s.aspx?sm=JCK_2bleCjPIVX6mA8K87kxw_3d_3d">http://www.surveymonkey.com/s.aspx?sm=JCK_2bleCjPIVX6mA8K87kxw_3d_3d</a>

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## AB 1613: Waste Heat and Carbon Emissions Reduction Act

<b>Purpose</b>	- Encourage development of new combined heat and power (CHP) systems in CA - Establish policies and procedures for the purchase of electricity from CHP systems by electricity utilities to meet renewable portfolio minimums - Report GHG emissions reduction
<b>Status</b>	January 1, 2010 – Guidelines to be finalized End of 2011 – Report GHG emission reductions
<b>POTWs Applicability</b>	Latest version of Guidelines: • ≥60% efficiency – Combo. of Topping and Bottoming Cycles • Performance Standard: 1,100 lb CO <sub>2</sub> eq/MWh. *NOTE THAT CEC CONSIDERS BIOGENIC FUEL TO BE CARBON NEUTRAL. • ≥15% minimum thermal output requirement • Application for Certification and Annual Reporting Requirements specified on website
<b>More Info</b>	<a href="http://www.energy.ca.gov/wasteheat/index.html">http://www.energy.ca.gov/wasteheat/index.html</a>

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## National Regulatory Updates

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### EPA Updates: Mandatory Reporting of GHGs Finalized!

<b>Status</b>	<ul style="list-style-type: none"> <li>Final Rule Signed: September 22, 2009</li> <li>Monitoring to begin January 1, 2010</li> <li>Annual reports begin to be submitted 2011</li> </ul>
<b>Relevancy</b>	<ul style="list-style-type: none"> <li>Same reporting thresholds as CARB: GSC &gt;25,000 CO<sub>2</sub>-e annually</li> <li><b>Gases regulated:</b> CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFC, PFC, SF<sub>6</sub>, fluorinated gases</li> <li><b>Related Source Categories:</b> General Stationary Fuel Combustion, Electricity Generation, Municipal Solid Waste Landfills</li> <li><b>for now, WWTFs are excluded from reporting (unless GSC &gt; 25,000 CO<sub>2</sub>-e annually)</b></li> <li><b>Excluded:</b> Combustion of biogenic emissions and emergency generators</li> <li><b>Biogenic CO<sub>2</sub> will be reported separately</b> from general category, EPA would like to see data. Will not count toward reporting threshold.</li> <li>Anthropogenic emissions distinguished from biogenic</li> </ul>
<b>More Info</b>	<a href="http://epa.gov/climatechange/emissions/ghgrulemaking.html">http://epa.gov/climatechange/emissions/ghgrulemaking.html</a>

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### EPA Updates: Mandatory Reporting of GHGs

#### NACWA Comments on Reporting Rule

<b>Timeline</b>	<p>NACWA met with the White House Office of Management and Budget (OMB) on September 11, 2009 to discuss comments submitted in June</p> <ul style="list-style-type: none"> <li>OMB reviewed the economy impacts of the rule</li> </ul>
<b>Comments Supported</b>	<p><b>Suggestion:</b> An "opt out" clause for facilities once they have shown emission reductions below the threshold for a consecutive number of years.</p> <p><b>Supported:</b> Page 38 of the final rule allows for facilities to discontinue reporting if:</p> <ol style="list-style-type: none"> <li>under the threshold of 25,000 CO<sub>2</sub>-e for 5 yrs</li> <li>under 15,000 CO<sub>2</sub>-e for 3 yrs</li> </ol>

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### EPA Updates: Comment Letter - NESHAP for RICE

<b>Reg. Status</b>	<p>March 5, 2009 – Proposed NESHAP for Reciprocating Internal Combustion Engines (RICE)</p> <ul style="list-style-type: none"> <li>Final Rule still pending</li> </ul>
<b>Summary</b>	<p>NESHAP: National Emissions Standards for Hazardous Air Pollutants</p> <p>RICE: Reciprocating Internal Combustion Engines</p> <ul style="list-style-type: none"> <li>Proposal to limit HAP emissions for any previously unregulated engines through CO emission standards</li> <li>Includes Landfill/Digester Gas Stationary RICE <ul style="list-style-type: none"> <li>greater than 50 HP - "major" (i.e., Title V) &amp; "area" sources</li> </ul> </li> <li>Landfill/Digester 50&gt;HP: 177 ppmvd CO limit</li> <li><b>Exception:</b> RICE that generates 10 % or more of gross heat input annually</li> </ul>
<b>More Info</b>	<a href="http://www.epa.gov/ttn/atw/rice/ricepg.html">http://www.epa.gov/ttn/atw/rice/ricepg.html</a>

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### NACWA-AMWA: Climate Change Adaptation Cost Assessment

<b>Status</b>	Report Publication pending
<b>Summary</b>	Report on the effects and impacts of climate change on Water & Wastewater sectors - In partnership with NACWA-AMWA Includes: 1) Climate change impacts by region 2) Total adaptation measures costs by region and grand total 3) Case study summaries, incl. costs from recent catastrophic events PURPOSE: Gain Federal adaptation funding for WW/water sectors
<b>More Info</b>	Contact Jim Sandoval ( <a href="mailto:Jim.Sandoval@ch2m.com">Jim.Sandoval@ch2m.com</a> ) for further details

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### EPA Updates: Area PM Designations Released

<b>Status</b>	October 8, 2009 - EPA issued final area designations for the 24-hour national air quality standards for PM <sub>2.5</sub> 2012 – State Implementation Plans due 2014 – Attainment deadline for violators
<b>Summary</b>	-Specific areas identified as either "nonattainment", "unclassifiable/attainment", or "unclassifiable" -24-hour fine particle standards = 35 µg/m3 -2006-08 data showed specific local areas to be in violation (24-hour PM <sub>2.5</sub> standards)
<b>More Info</b>	<a href="http://www.epa.gov/pmdesignations/2006standards/regs.htm#4">http://www.epa.gov/pmdesignations/2006standards/regs.htm#4</a>

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### EPA Updates: Area PM Designations Released

**EPA Designation**

- Attainment/Unclassifiable
- Nonattainment - Whole County
- Nonattainment - Partial County

**Final Local Nonattainment Counties - October 2009 (2006 - 2008 data)**

- Alameda
- Contra Costa
- Marin
- Napa
- San Francisco
- San Mateo
- Santa Clara
- Solano (Partial)
- Sonoma (Partial)

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## CARB Fleet Regulations

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## Large, Spark-Ignition (LSI) Engines – Forklift Fleets

<b>Applicability</b>	Any fleet of 4 or more forklifts (or other LSI powered equipment) must comply with emissions standards requiring retrofit or replacement of engines out of compliance  <u>Applies to:</u> LSI engines of 25 hp or higher <u>Exempt:</u> Smaller fleets & Low-use fleets (i.e. < 250 hr/yr.)
<b>Status</b>	<ul style="list-style-type: none"> <li>January 2009 – Effective date</li> <li>April 1, 2009 – Enforcement commences</li> <li><b>September 15, 2009 – Tutorial posted on website</b></li> </ul>
<b>More Info</b>	<a href="http://www.arb.ca.gov/msprog/offroad/orspark/orspark.htm">http://www.arb.ca.gov/msprog/offroad/orspark/orspark.htm</a>

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## In-Use, Off-Road Diesel Regulation Updates

<b>Regulation Applicability</b>	<ul style="list-style-type: none"> <li>Applies to any self-propelled, diesel fueled vehicles that cannot be registered and licensed to drive on-road with <math>\geq 25</math> hp (Loaders, Forklifts, Backhoes, etc.)</li> <li>Note: requirements vary by fleet size</li> </ul>
<b>Updates</b>	<p><b>Amendments approved (July 23, 2009):</b></p> <ol style="list-style-type: none"> <li>Credits for reduced vehicle activity and/or fleet size</li> <li>Delay some of the 2011 and 2012 requirements until 2013</li> <li>Incentives for early compliance efforts</li> </ol> <p><b>Updated Fleet Calculators (October 8, 2009):</b> Very easy to use – Excel based Projects fleet compliance measures through 2026</p>
<b>More Info</b>	<p>General website: <a href="http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm">http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm</a></p> <p>Helpful Regulation Fact Sheet: <a href="http://www.arb.ca.gov/msprog/ordiesel/faq/ordoverview.pdf">http://www.arb.ca.gov/msprog/ordiesel/faq/ordoverview.pdf</a></p>

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## Grant & Loan Opportunities

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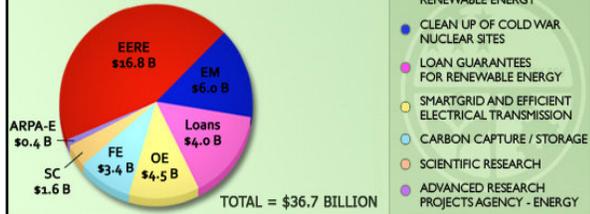
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## American Recovery & Reinvestment Act

**Background** Signed into law by President Obama on February 17th, 2009.

### DOE RECOVERY ACT FUNDING



- ENERGY EFFICIENCY AND RENEWABLE ENERGY
- CLEAN UP OF COLD WAR NUCLEAR SITES
- LOAN GUARANTEES FOR RENEWABLE ENERGY
- SMARTGRID AND EFFICIENT ELECTRICAL TRANSMISSION
- CARBON CAPTURE / STORAGE
- SCIENTIFIC RESEARCH
- ADVANCED RESEARCH PROJECTS AGENCY - ENERGY

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## American Recovery & Reinvestment Act

Funding Breakdown	Description
• \$16.8 B	through the Office of Energy Efficiency and Renewable Energy (EERE)
• \$6.0 B	through the Office of Environmental Management (EM)
• \$4.5 B	through the Office of Electricity Delivery & Energy Reliability (OE)
• \$4.0 B	through the Loan Guarantee Program Office (LGPO)
• \$3.4 B	through the Office of Fossil Energy (FE)
• \$1.6 B	through the Office of Science (SC)
• \$400 M	through the Advanced Research Projects Agency - Energy (ARPA-E)

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**American Recovery & Reinvestment Act: Relevant Programs**

Of the Office of Energy Efficiency and Renewable Energy's (EERE) \$16.8 billion designation, relevant Programs include:

- State Energy Program - \$3.1 billion
- Energy Efficiency & Conservation Block Grants - \$3.2 billion
- Industrial Technologies Program - \$256 million

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**American Recovery & Reinvestment Act: Relevant Programs**

Of the Office of Energy Efficiency and Renewable Energy's (EERE) \$16.8 billion designation, relevant Programs include:

- **State Energy Program - \$3.1 billion**

CA Allocation Remaining: \$113 million

Applicability: Municipal Financing District Program (AB-811-type programs)

**IMPORTANT DATES:**

- Solicitation Released: October 8, 2009
- Applications due: November 30, 2009

Website: <http://www.energy.ca.gov/contracts/recovery.html#eecbg>

- Energy Efficiency & Conservation Block Grants - \$3.2 billion
- Industrial Technologies Program - \$256 million

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**American Recovery & Reinvestment Act: Relevant Programs**

Of the Office of Energy Efficiency and Renewable Energy's (EERE) \$16.8 billion designation, relevant Programs include:

- State Energy Program - \$3.1 billion
- **Energy Efficiency & Conservation Block Grants - \$3.2 billion**

CA Allocation under current solicitation: \$35.5 million

Applicability: \*Small Counties and Cities - Municipal Financing Program & Collaborative Applicant

**IMPORTANT DATES:**

- Release of Solicitation: October 8, 2009
- Application Deadline: Ongoing until January 1, 2010

Website: <http://www.energy.ca.gov/contracts/recovery.html#eecbg>  
<http://www.eecbg.energy.gov/>

- Industrial Technologies Program - \$256 million

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### American Recovery & Reinvestment Act: Relevant Programs

#### CEC Solicitation Workshop

October 22, 2009

9 a.m. - 1 p.m.

#### CALIFORNIA ENERGY COMMISSION

1516 Ninth Street  
First Floor, Hearing Room A  
Sacramento, CA

This workshop will be webcast.

Website: <http://www.energy.ca.gov/contracts/recovery.htm#eecbg>

All Current Solicitations Website:

<http://www.energy.ca.gov/contracts/index.html>

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### American Recovery & Reinvestment Act: Relevant Programs

Of the Office of Energy Efficiency and Renewable Energy's (EERE) \$16.8 billion designation, relevant Programs include:

- State Energy Program - \$3.1 billion
- Energy Efficiency & Conservation Block Grants - \$3.2 billion
- **Industrial Technologies Program - \$256 million**

#### Applicability:

1. Combined Heat and Power
2. Waste Energy Recovery Systems

- Allocation: \$156 million

> No current solicitations for applications

Website: [http://apps1.eere.energy.gov/news/daily.cfm/hp\\_news\\_id=168](http://apps1.eere.energy.gov/news/daily.cfm/hp_news_id=168)

<http://www1.eere.energy.gov/industry/>

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### AB 118: An Air Quality Incentive Program Bill

<b>Purpose</b>	AB 118 provides approximately \$200 million annually through 2015 for three new air quality incentive programs: <ol style="list-style-type: none"> <li>1. <a href="#">The Air Quality Improvement Program (AQIP)</a></li> <li>2. <a href="#">Alternative and Renewable Fuel and Vehicle Technology Program</a></li> <li>3. <a href="#">Enhanced Fleet Modernization Program</a></li> </ol>
<b>Status</b>	• Currently – Developing 2010-2011 Alternative and Renewable Fuel and Vehicle Technology Program guidelines, Workshops ongoing
<b>More Info</b>	<a href="http://www.energy.ca.gov/ab118/index.html">http://www.energy.ca.gov/ab118/index.html</a>

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## AB 118: The AQIP Funding Plan

<b>Background</b>	The AQIP will provide about <b>\$50 million per year</b> for grants to fund clean vehicles and equipment, air quality research, and workforce training
<b>Status</b>	No current applicable solicitations.
<b>More Info</b>	<a href="http://www.arb.ca.gov/msprog/aqip/solicitations.htm">http://www.arb.ca.gov/msprog/aqip/solicitations.htm</a>
<b>Future Opportunities</b>	<b>Applicable Programs to Monitor:</b> 1. Hybrid Truck and Bus Voucher Incentive Project Website: <a href="http://www.arb.ca.gov/msprog/aqip/hvip.htm">http://www.arb.ca.gov/msprog/aqip/hvip.htm</a> 2. Clean Vehicle Rebate Project Website: <a href="http://www.arb.ca.gov/msprog/aqip/cvrp.htm">http://www.arb.ca.gov/msprog/aqip/cvrp.htm</a>

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## AB 118: Alternative and Renewable Fuel and Vehicle Technology Program

<b>Background</b>	<b>Annual program budget:</b> \$100 million - Alternative and renewable low-carbon fuels - Optimize alternative and renewable fuels for engine technologies - Produce alternative and renewable low-carbon fuels in California - Retrofit fleets
<b>Status</b>	No current applicable solicitations.
<b>More Info</b>	<a href="http://www.energy.ca.gov/altfuels/index.html">http://www.energy.ca.gov/altfuels/index.html</a>
<b>Future Opportunities</b>	- Workshop held regarding Biofuels Waste-Stream & Biomethane topics - Opportunity to comment and support funding for POTW alternative fuel options - Opportunity for fleet/engine retrofit funding

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## AB 118: Truck Loan Program

<b>Background</b>	Under the AQIP, the PLACE program has been developed to address fleet emissions reduction.
<b>Relevance to WWTPs</b>	<b>Truck Loan Program (PLACE)</b> - For both on and off-road fleets - Financing Options: > Loan guarantees, Interest-rate buy downs, Lease buy-backs, Extended repayment periods, etc. <b>Eligibility Requirements:</b> - For small businesses: 100 or fewer employees and < \$10 million annual revenue (on 3 yr. average) - Off-Road: Fleets of all sizes (small, medium, large, as defined by the off-road rule) are eligible On-Road: Fleets of 20 or fewer heavy-duty vehicles are eligible Loan Applications are now available and being accepted by participating CalCAP lenders.
<b>More Info</b>	<a href="http://www.arb.ca.gov/ba/loan/loan.htm">http://www.arb.ca.gov/ba/loan/loan.htm</a>

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### IRS Funds: Clean Renewable Energy Bonds (CREBS)

<b>Applicability</b>	Provides interest free bonds to local governments for renewable energy developments and provides tax benefits to investors
<b>Status</b>	- No current solicitation - Track for future application availability
<b>More Info</b>	<a href="http://www.irs.gov/pub/irs-drop/n-09-33.pdf">http://www.irs.gov/pub/irs-drop/n-09-33.pdf</a>

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### Carl Moyer Grant Money Available

<b>Applicability</b>	- heavy-duty vehicles and equipment - install particle filters - replace engines in older equipment - purchase new equipment to replace older models.
<b>Status</b>	ARB "Retooling" the 2010 Carl Moyer Program criteria - comment period open (see website) December 3, 2009 – Incentive Advisory Group Meeting - Diamond Bar meeting, possible webcast option
<b>More Info</b>	<a href="http://www.arb.ca.gov/msprog/moyer/moyer.htm">http://www.arb.ca.gov/msprog/moyer/moyer.htm</a> <a href="http://www.arb.ca.gov/msprog/moyer/retooling.htm">http://www.arb.ca.gov/msprog/moyer/retooling.htm</a>

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### Carl Moyer Grant Money Available

<b>Status</b>	- Approximately <b>\$10 million dollars</b> are still available ➤ Note: First come, first served – applications still being accepted - July 2009: On-Road Voucher Incentive Program ongoing - September 2009: Off-Road Equipment Replacement Program - October 2009: Additional \$8 million allocated
<b>Applicability</b>	- Grant money/vouchers can be used for fleet retrofitting and replacement - See website for approved list of dealers
<b>More Info</b>	Grant applications can be found at: <a href="http://www.baaqmd.gov/moyer">www.baaqmd.gov/moyer</a> Replacement & Voucher Programs: <a href="http://www.baaqmd.gov/Divisions/Strategic-Incentives/Carl-Moyer-Program.aspx">http://www.baaqmd.gov/Divisions/Strategic-Incentives/Carl-Moyer-Program.aspx</a> Grants Hotline: (415) 749-4994

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### Grant Tracking: Main Components

1. Existing Program tracking
2. New Program tracking
3. RFP/Application links
4. Deadline reminders

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### Grant Tracking: Strategy Options

1. Website Blog: Checked by members
2. Email Feed: Sent directly to members
3. RSS feed via website: Subscription by members to certain categories

Discussion

**Pros and Cons**

**Member Needs**

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### Local Regulatory Updates

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## CEQA GHG Thresholds

### How BAAQMD Compares

<b>San Joaquin AQMD CEQA</b>	<p>Less than significant if Best Performance Standard (BPS) is achieved</p> <p><b>AND</b></p> <p>GHG emissions are quantified and 29% reduction is achieved below business as usual baseline</p> <p>-otherwise EIR must be submitted</p> <p><b>Current Status</b></p> <ul style="list-style-type: none"> <li>• Proposed September 17, 2009</li> <li>• Final Regulation - pending</li> </ul>
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## CEQA GHG Thresholds

### How BAAQMD Compares

<b>Southern California AQMD CEQA</b>	<p>SCAQMD Considering Two Options:</p> <ul style="list-style-type: none"> <li>• <b>Option 1:</b> 3000 MT/yr. CO<sub>2</sub>e for any residential, commercial, or mixed use projects</li> <li>• <b>Option 2:</b> <ul style="list-style-type: none"> <li>- Residential: 3500 MT/yr. CO<sub>2</sub>e</li> <li>- Commercial: 1400 MT/yr. CO<sub>2</sub>e</li> <li>- Mixed Use: 3000 MT/yr. CO<sub>2</sub>e</li> </ul> </li> </ul> <p><b>Current Status</b></p> <p>December 2009 – Planned Board hearing on Proposal</p>
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## CEQA GHG Thresholds

<b>CWCCG Comments to BAAQMD</b>	<ul style="list-style-type: none"> <li>• Explicitly exclude biogenic CO<sub>2</sub> emissions from counting towards threshold determination total</li> <li>• Distinguish between anthropogenic emission and emissions from renewable/biogenic sources</li> <li>• Biogenic emissions should be considered to have no adverse environmental impacts. Similarly recognized as such by: IPCC, US EPA, US Climate Change Science Program</li> </ul>
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**AIR**  
Air Issues & Regulations (AIR)  
Committee

## CA Legislation: Essential Public Service Credits Allowed

<b>Background</b>	<ul style="list-style-type: none"> <li>-Temporary resolution of SCAQMD Regulation XIII, New Source Review</li> <li>- Legislation stipulates that Essential Public Services (EPSs) be allowed to use Rule 1304 and 1309.1 credits.</li> <li>- reestablished SCAQMD credit bank</li> <li>-SCAQMD had permitting and credits issues due to a lawsuit</li> </ul>
<b>Status</b>	<p>AB 1318 – Amended September 2009          SB 696 – Bill Passes Senate, September 2, 2009</p>
<b>More Info</b>	<p><a href="http://www.yesonsb696.com/news%20documents/WrightRelease%2009-02-09.pdf">http://www.yesonsb696.com/news%20documents/WrightRelease%2009-02-09.pdf</a>  <a href="http://www.aroundthecapitol.com/Bills/AB_1318/">http://www.aroundthecapitol.com/Bills/AB_1318/</a></p>

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**AIR**  
Air Issues & Regulations (AIR)  
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## Climate Change News

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**AIR**  
Air Issues & Regulations (AIR)  
Committee

## California Legislation News

### California Gov. Signs Executive Order for 33% RPS

<b>Summary</b>	<ul style="list-style-type: none"> <li>- September 15, 2009: Order Signed</li> <li>- Requires CA to acquire 33% of electric power from renewable sources by 2020</li> <li>-CARB (partnering with CPUC, ISO, and CEC) must implement renewable portfolio standard (RPS) by July 31, 2010</li> </ul>
<b>More Info</b>	<a href="http://gov.ca.gov/press-release/13273/">http://gov.ca.gov/press-release/13273/</a>

### The Governors' Global Climate Summit 2 – Los Angeles, CA

<b>Summary</b>	<ul style="list-style-type: none"> <li>- Held September 30 to October 2, 2009</li> <li>- Jon Elam/TCSD attended.</li> </ul>
<b>More Info</b>	<a href="https://www.gcgtools.com/connect/public/GCG/GGCS2009/">https://www.gcgtools.com/connect/public/GCG/GGCS2009/</a>

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## EPA and NHTSA Release Proposed GHG / Fuel Economy Standards

<b>Summary</b>	<p>The EPA and the National Highway Traffic Safety Administration (NHTSA) issued a joint proposal for a rule setting greenhouse gas (GHG) emission and fuel economy standards for motor vehicles in model years 2012-2016.</p> <p>By model year 2016, the rule will require the nation's vehicle fleet to have:</p> <ul style="list-style-type: none"><li>1. an average efficiency of 35.5 miles per gallon</li><li>2. average GHG emissions rate of 250 grams CO<sub>2</sub>-equivalent per mile.</li></ul> <p>Projected to reduce vehicle carbon dioxide emissions by 21%.</p>
<b>Status</b>	Expected to finalize rule in March 2010
<b>More Info</b>	<a href="http://www.epa.gov/otaq/climate/regulations/420f09047.htm">http://www.epa.gov/otaq/climate/regulations/420f09047.htm</a>

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## Global News: Climate Change

**U.N. Study of Latest Climate Science Suggests Dramatic Warming**

<b>Summary</b>	<p>September 24, 2009 - The United Nations Environment Programme (UNEP)</p> <ul style="list-style-type: none"><li>- Compilation of 400 recent climate change studies</li><li>- found that global GHG emissions outstripping "worst-case" scenarios</li></ul>
<b>More Info</b>	<a href="http://www.unep.org/compendium2009/">http://www.unep.org/compendium2009/</a>

**British Antarctic Survey Finds Glaciers Melting Rapidly**

<b>Summary</b>	<p>September 23, 2009 - British Antarctic Survey</p> <ul style="list-style-type: none"><li>- ice sheets in Greenland and on Antarctica's western edge and peninsula are melting more quickly than previously estimated.</li><li>- Antarctic glaciers have been thinning at a rate of 30 feet per year since 2003.</li></ul>
<b>More Info</b>	<a href="http://www.nature.com/nature/journal/vaop/ncurrent/full/nature08471.html">http://www.nature.com/nature/journal/vaop/ncurrent/full/nature08471.html</a>

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## Discussion

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## Fall/Winter Newsletter

- Author volunteers
- Topics:
  - Mandatory reporting (CA & Fed)
  - AB 32 issues:
    - C&T
    - LCFS
    - Implementation Fee
    - Status of water sector actions
  - Organic Waste Digestion Protocol
  - CEC – CHP
  - CPUC – Renewable Portfolio Standards
  - Air quality issues
  - Specific member news
  - Other ideas?

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## Closing

### Next Meeting

Date: February 17, 2010  
Time: 10 am – 1 pm  
Location: CH2M HILL Offices  
Oakland, CA

**Focus topic?**

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## Extra Slides

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**AIR Committee Updates:  
Technical Seminar**

**Summary**

- 1. GHG Reporting
- 2. Clean Air Program Issues - (subpoints below)
  - Climate Change Regulation
  - CWCCG Efforts
  - AIR Efforts
  - Support for 2010 and Beyond

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