



SOUTHERN CALIFORNIA ALLIANCE OF PUBLICLY OWNED TREATMENT WORKS

Monthly Update

www.scap1.org

December 2009

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Upcoming Meetings

SCAP Annual Holiday Luncheon
El Niguel Country Club
December 15, 2009 @ 12 Noon

Air Quality

Tuesday, January 19, 2010
10:00-12:00 noon, at LACSD.

Biosolids

No meetings until 2010

Collection Systems

No meetings until 2010

Energy Management

No meetings until 2010

Water Issues

No meetings until 2010

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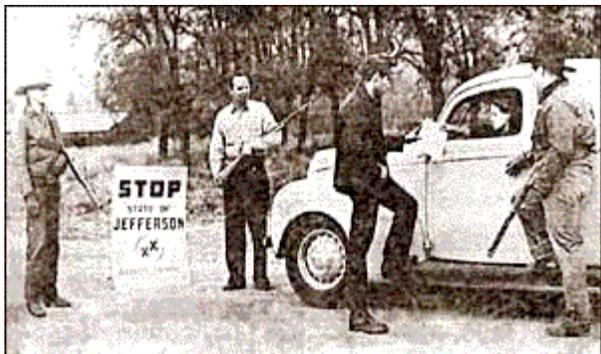
A Message from the Executive Director...

I hope everyone had a wonderful Thanksgiving and were able to spend time off with your families. As I get older I realize how important families are and how precious the time away from the rigors of work is. Because of the scheduled publish date of this newsletter I rarely get an opportunity to deliver timely holiday greetings, so this year I want to wish everyone a Merry

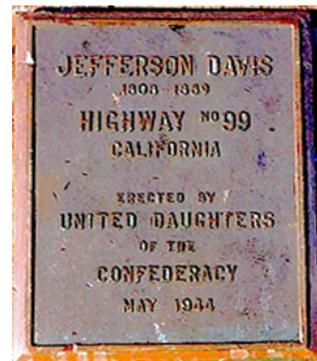
Christmas, Kung Ho Hsin Hsi. Ching Chi Shen Tan, Cristmas-e-shoma mobarak bashad, Joyeux Noel, Froehliche Weihnaden, Mele Kalikimaka, Mo'adim Lesimkha. Chena tova, Bada Din Mubarak Ho, Idah Saidan Wa Sanah Jadidah, Nollaig Shona Dhuit, Buone Feste Natalizie, Shinnen omedeto. Kurisumasu Omedeto, Baradin Mubarrak, Sung Tan Chuk Ha, Pozdrevlyayu s prazdnikom Rozhdestva i s Novim Godom, Feliz Navidad, Chung Mung Giang Sinh and a Happy New Year, well in advance (my apologies if I missed anyone). I am still finding it hard to believe that we are already wrapping up 2009, but sadly that is the case. Until this past weekend, we hadn't even had a decent rain shower. Here it is December and parts of the country, besides southern California, are still enjoying balmy weather in the mid 70's. I'm still trying to figure out what happened to the El Nino that was supposed to bring us the heavy rainfall this year? While speaking of water, this past year has brought about numerous changes to the way we will be doing business in the future, particularly in the areas of climate change and water quality. Although, none of these changes may be as significant as the way the state now looks at water reuse. While not perfect, the new statewide water recycling policy at least focuses much needed attention on the need for water conservation and reuse. After a hard fought battle by Governor Schwarzenegger to pass a package of water measures intended to provide relief to the deteriorating Delta, it became abundantly clear that there still remains a rift between northern California and southern California when it comes to water supply issues. According to an article in the PressDemocrat.com by George Skelton of the Los Angeles Times, votes in both the Assembly and the Senate were surprisingly cast regionally rather than along political lines. But unbeknownst to many, there exists another lesser known division within our great state that includes the counties of Del Norte, Siskiyou and Modoc along with the counties of Curry, Josephine, Jackson, and Klamath in the state of Oregon. In October 1941 a secession movement to create the new "State of Jefferson" was started by the Jefferson Citizen's Committee in order to combine the unique geographical area

bordered by the previously mentioned counties. Proponents felt that their local problems and issues, mainly poor roads, were being ignored by the state legislature (sound familiar?) and taking matters into their own hands, they went so far as to designate the





city of Yreka as the temporary state capitol. In a further act of defiance, private citizens organized patrols and began setting up road blocks along Highway 99 turning back motorists from entering their state. Then on December 4, 1941 the group elected a governor, Judge John L. Childs of Crescent City, however, the bombing of Pearl Harbor on December 7, 1941 brought an abrupt end to the movement as the country began preparing for war. Still to this day



there are vestiges of the State of Jefferson throughout areas in northern California. In fact, if you look hard enough you will find numerous signs on barns, in backyards and even on monuments such as this, which can be found alongside Interstate 5. Unfortunately, it wasn't until I saw this monument did I realize that the so called "State of Jefferson" that is said to still exist in people's minds was in fact a tribute to, Jefferson Davis, President of the Confederacy during the Civil War, not Thomas Jefferson our country's third president and individual rights activist. Enough said! Hopefully, we will be able to resolve the Delta issue in a positive way that protects all Californians and helps ensure a sustainable water supply, otherwise we may be seeing citizen patrols setting up road blocks on our aqueduct system.

As it is the end of the calendar year, I wish to thank all of our committee chairs, vice chairs, committee members and staff who have contributed greatly to the continued success of our organization. Of particular note are the following individuals who I have relied on month in and month out to assist me in making decisions and getting the word out to our membership: **Kris Flaig**- City of LA; **Greg Adams**-LACSD; **Frank Caponi**-LACSD; **Patrick Griffith**-LACSD; **David Rothbart**-LACSD; **Vlad Kogan**-OCSD; **Mike Sullivan**-LACSD; **Matt Bao**-LACSD; **Leyla Perez**-OCSD; **Diane Gilbert-Jones**-City of LA; **Ralph Palomares**-ETWD; **Sam Espinoza**-LACSD; **Nicole Greene**-City of Montclair; **Andre Schmidt**-LACSD; **Chuck Rogers**-City of Thousand Oaks; **Gus Dembegiotes**-City of LA; **Jim Marchese**-City of LA, **Valerie Housel**-City of San Bernardino WD; **Sharon Green**-LACSD, **Mary Jane Foley**, SCAP, **Bob Kreg**-SCAP and **Pam Merriam**-SCAP.

Wishing a Great Holiday Season to You and Your Families,

John Pastore, Executive Director

Committee Reports



Air Quality

Chair Kris Flaig
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Air Quality Committee Year In Review by Greg Adams, LACSD

Many climate change activities at the state and federal levels took off in earnest in 2009. State activities

included actions on CHP (combined heat and power), RES (the Renewable Electricity Standard), C&T (cap and trade), etc. The U.S. House of Representatives passed the Waxman-Markey Bill, H.R. 2454, and the U.S. Senate EPW Committee passed the Kerry-Boxer Bill, S. 1733. (NACWA was also very active in both of these with SCAP member assists.). EPA released their endangerment finding, the final federal mandatory reporting rule and the "tailoring" rule, to name a few. The SCAQMD permitting moratorium put the kibosh on receiving most new permits but SCAP was busy supporting SCAQMD actions in Sacramento and following court proceedings as potential intervenors. Much work was done on a proposed SCAQMD rule modeled after provisions of Section 185 of the federal Clean Air Act that could generate up to \$35 million in

new fees for the SCAQMD, paid in part by larger SCAP members, probably forever.

Climate Change Activities

- Jackie Kepke of CH2M Hill was selected as the CWCCG coordinator
- CWCCG submitted comment letters on numerous proposed programs and regulations including combined heat and power (CHP) and the renewable electricity standard (RES)
- CWCCG met with CARB staff several times and prepared a cap and trade position paper for dissemination
- SCAP members assisted NACWA on legislative advocacy on both House and Senate climate change bills

SCAQMD Permit Moratorium

- SCAP members attended court proceedings, prepared to intervene
- SCAP issued support letters for various SCAQMD-sponsored legislation

Proposed Rule 317 Clean Air Act Non-attainment Fees

- SCAP members attended numerous meetings and strategy sessions, visited SCAQMD Board members and EPA Assistant Administrator Gina McCarthy in an attempt to achieve a more reasonable rulemaking

Big Issues for 2010

- Resolve handling of biosolids facilities in the Priority Reserve
- Final resolution on PR 317
- Obtaining % allocations for adaptation in federal climate change bills
- Finalize WERF N₂O, methane from collection systems and septic tank studies
- Monitor legislation and NGO activity dealing with re-activating the Priority Reserve lawsuits
- Keep CWCCG's arms around AB 32 activities

Imperial County APCD

www.co.imperial.ca.us

Imperial County APCD has announced that a copy of both the Final 2009 Imperial County State Implementation Plan for PM₁₀ (2009 PM₁₀ SIP) and the Final Negative Declaration for the 2009 PM₁₀ SIP are now available on the District's website.

On September 23, 2009 the U.S. EPA filed Federal Register Vol. 74, No. 183 proposing a "determination of Attainment of the 1997 8-Hour Ozone Standard for Imperial County, CA". Once the Clean Data finding is

finalized the Air District will finalize efforts in the development of a modified Ozone SIP.

There are currently no new public workshops, hearings or SIP meetings posted on the ICAPCD website for the month of December.

Mohave Desert AQMD

www.mdaqmd.ca.gov

For those interested in solar power, the MDAQMD website includes a real time display of daily and yearly solar power information from within the district, as well as the amount of carbon dioxide saved.

MDAQMD has also introduced ENVIROFLASH on its website, which provides air quality forecasts directly to your computer's inbox.

Presentations from the 2009 California Desert Air Working Group (CDAWG) are now posted on the MDAQMD website.

The next meeting of the MDAQMD Board is scheduled for December 28, 2009 in Victorville. There are no new workshops or public hearings shown on the MDAQMD website for the month of December.

San Diego APCD

www.sdapcd.org

San Diego APCD reports it has completed and submitted its Ambient Air Monitoring Network Plan (AMNP) for 2007 and a copy can be obtained from their website. SDAPCD will be required to submit an Air Quality Plan to EPA in 2013 outlining the emission control regulations necessary to bring the entire region into attainment.

SDAPCD has added a custom Google search engine exclusively for their website and also offers an interactive air pollution simulator program called **Smog City 2**. This program will allow the user to make decisions that affect the air quality and can then view the resulting changes that occur.

On June 24, 2009, the SDAPCD adopted new Rule 55-Fugitive Dust Control. San Diego County does not yet meet the State air clean standards for particulate matter. Per State law, this lack of attainment requires the District to implement all feasible measures to attain the standard. Rule 55 will become effective on December 24, 2009.

The CAPCOA Climate Change Forum in partnership with SDAPCD is scheduled for August 30-31, 2010 in San Francisco. The 2-day conference will focus on the

integration and harmonization of California's climate policy with federal programs to allow development of effective and productive strategies in the fight against climate change.

The next public hearing is scheduled for December 9, 2009 with the following items being considered for adoption: **Amended Rule 69.3**-Stationary Gas Turbine Engines RACT; **Amended Rule 69.3.1**-Stationary Gas Turbines BART; and **Rule 66**-Organic solvents.

Santa Barbara APCD

www.sbapcd.org

The Santa Barbara APCD reports that they have a new fee schedule in effect as of 7/01/08, which can be viewed on their website. SBAPCD also reports that they are working with CAPCOA planning managers to develop GHG emission thresholds for CEQA reviews of new projects.

The next APCD Community Advisory Council meeting is scheduled for January 27, 2010. The SBAPCD Board will be conducting its next public meeting on January 21, 2010.

Ventura County APCD

www.vcapcd.org

VCAPCD currently has application forms available for the Carl Moyer Program. The program will provide approximately \$2 million of grant funds for projects within Ventura County. The grant funds are available to qualifying owners of heavy-duty diesel powered equipment that want to reduce air pollution by upgrading or replacing their present equipment.

The VCAPCD reports that the Draft 2009 Reasonably Available Control Measures State Implementation Plan (2009 RACT SIP) is now available for public review.

The VCAPCD reminds everyone that Tier 0 Portable Diesel Engines may not be operated in California after December 31, 2009.

The next VCAPCD Board meeting is scheduled for December 8, 2009. There are now new Advisory Committee meetings scheduled at this time.

South Coast AQMD

www.aqmd.gov

SCAQMD Permit Moratorium to Expire January 1, 2010 by Greg Adams, LACSD

The Governor signed SB 827 by Senator Rod Wright on October 11, 2009; it was chaptered the same day. With the signing, the SCAQMD permitting moratorium ends as of January 1, 2010. Staff has informed several committees that additional litigation is likely and has already requested a large budget and contingency fund for their Sacramento efforts next year.

SCAQMD permitting staff has informed us that many of the permits in the backlog are queued up and simply waiting for the credits to be allocated.

SCAQMD Proposed Rule 317 (Clean Air Act Non-Attainment Fees) by Greg Adams, LACSD

This proposed rule implements very punitive provisions of the 1990 federal Clean Air Act Amendments contained in Section 185. This section requires the imposition of significant penalties, up to \$35MM per year within the South Coast, escalated at the CPI each year and continuing possibly forever, on emissions from stationary sources in specified non-attainment areas, even if those sources are operating at best possible control levels. At the September 11, 2009 SCAQMD meeting, staff deferred the rule until the December 4, 2009 Board meeting. In the interim, a similar rule approved by the SJVAPCD Board in 2002 has been the subject of three Federal Register notices, one being a strict interpretation of Section 185 allowing none of the "clean unit" flexibility sought by San Joaquin and the latest notice, retracting the earlier, inflexible stand somewhat, by acknowledging the work of Section 185 Clean Air Act Advisory Group Task Force and the possibility that flexibility under Section 172 (e) of the Clean Air Act might exist. The third Federal Register notice pertains to a consent decree entered into among the SJVAPCD, EPA and a litigant on the same issue wherein EPA has promised to come to a final determination by November 13, 2009, hence, we believe, one of the reasons for SCAQMD delayed Board action. We recently learned that this final date has been pushed out until December 12, 2009; it is unclear what SCAQMD will do with the scheduled item on the December agenda. Finally, a letter was sent to Gina McCarthy, the EPA Assistant Administrator for Air and Radiation, re-capping the meeting with her in August 2009, outlining the ramifications of the increased fees on essential public services and small businesses in the South Coast region.



Biosolids

Chair Mike Sullivan
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Biosolids Committee Year In Review by Matt Bao, OCSD

Throughout the year, the Committee monitored various regulatory issues related to Biosolids. The following are a few of the more significant issues that the committee tracked during 2009.

Kern County – Measure E and Litigation

The Biosolids Committee has continued to provide updates for the past few years on the litigation related to Kern County’s Measure E, that would have banned biosolids land application in unincorporated Kern County. In 2006, the court ruled in favor of the Plaintiffs (treatment plants and biosolids haulers) and issued a Summary Judgment, stating that Measure E violated the U.S. Constitution’s “Commerce Clause” and conflicted with the California Integrated Waste Management Act, which is meant to promote recycling. Kern County then appealed the case to the 9th Circuit Court of Appeals in San Francisco.

Oral arguments were heard in March of this year, wherein the commerce clause argument was not well received by the 9th Circuit’s three-justice panel. The appeals court later ruled that the plaintiffs did not have standing to challenge Measure E using the interstate commerce clause, and also remanded the California Integrated Waste Management Act judgment back to the District Court for a determination of whether to exercise supplemental jurisdiction. It was the appeals court opinion that the Plaintiffs’ interests in overturning Measure E were only marginally related to the commerce clause argument because Measure E did not restrict the Plaintiffs’ from transporting biosolids out of state.

Local Biosolids Regulation

Since early in 2009, the Biosolids Committee has been tracking two local efforts involving the regulation of biosolids. In San Luis Obispo County, a draft permanent ordinance was released that would have nearly eliminated the use of biosolids for land application. Instead of adopting the draft permanent

ordinance, County Supervisors approved the extension of the County’s interim biosolids ordinance through 2014. The approved interim ordinance allows the land application of biosolids within the County to be limited to 1,500 cubic yards per year. County Supervisors directed staff to continue efforts in developing a permanent ordinance, but to also investigate funding for developing an EIR that would implement such an ordinance. In the city of Banning, the Banning City Council voted in favor of adopting a measure that prohibits the burning or incineration of biosolids within the city limits. The issue of biosolids arose after a proposal was submitted to construct a biosolids gasification facility in southeast Banning that would have potentially managed biosolids from across Southern California.

Air Quality Regulations and Cross Media Impacts

Throughout 2009, the development of air quality regulations was a major focus for the Biosolids Committee. The San Joaquin Valley Air Pollution Control District (SJVAPCD) has been developing proposed Rule 4566, which will seek to reduce emissions from organic waste operations, primarily composting facilities. A technical workgroup was formed by the air district, and has been conducting composting field tests to assist the technical and economic feasibility analyses for the proposed rule. The Committee will continue to monitor the rule development process as it may be approved in 2010. Similarly, the Committee has been tracking the development of the Antelope Valley Air Quality Management District (AVAQMD) Rule 1133, which regulates composting facilities within the air district boundaries. Modeled after the Mojave Desert Air Quality Management District’s composting rule, Rule 1133 requires biosolids co-composting operations to implement best management practices. Rule 1133 was adopted by the air district in early 2009.

Addressing Cross Media impacts from regulations was a goal the Biosolids Committee set for 2009. Through the efforts of SCAP, CASA and others, an initial questionnaire to be completed by a regulatory authority at the onset of rulemaking efforts, and a checklist to be consulted as the rulemaking proceeds, have been developed. In early 2009, a letter to the Cal-EPA Boards was sent on behalf of the Clean Water Summit Partners, recommending the early identification and early mitigation of cross media issues, and incorporation of the cross media documents that were developed. By mid 2009, the results of these efforts had begun to bear fruit. The SWRCB and CIWMB held a joint composting regulation workshop at the Cal-EPA building in Sacramento to identify potential water quality impacts from composting facilities and appropriate water quality protection measures. It was

noted that a statewide waiver for composting facilities is currently being developed, and both state agencies are considering AB 939 diversion requirements and water quality protection goals as the rulemaking moves forward.

Local Biosolids Projects and Biosolids Technologies

In 2009, major developments in the advancement of biosolids management technology occurred in Southern California, and the Biosolids Committee has continued to fill its role of updating members on the progress of various projects. The Committee has done this primarily through its monthly updates, including information about the startup of projects such as the Ventura Regional Sanitation District biosolids dryer and electric generation facility and the Rialto EnerTech facility, as well as through facility tours. The Committee plans to actively monitor any significant projects and new technologies being implemented locally, and will provide updates to SCAP member agencies when appropriate.



Collection Systems

Co-Chair Ralph Palomares

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and

Co-Chair Sam Espinoza

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Collection Systems Year In Review by Ralph Palomares, ETWD

As I step down from being the SCAP Collection Systems Committee Chair for the past three years, I would like to say its been great working with all of you from all of the different agencies and receiving your phone calls and e-mails asking me questions about how you do this or that. And as you know, I don't always have an answer, but that's what makes this job fun. I have tried to operate our committee so that all you have to do is ask or send out an e-mail and I would get back to you with 10 to 20 e-mails from other members saying why not do it this way or suggest other ways to do it in a cost effective manner.

I always try to be open-minded about things, for example, a few years ago I was totally against mechanical devices but now I use them in our service area and I have found them to work well if you maintain them regularly, and yes, root poisons and foams do

work also if applied correctly. Although, I still hear from a number of you that say they don't work at all. Keep in mind, you can always come to a SCAP Collection Systems Committee meeting and share your information or ask questions about anything you may be interested in as we are all still learning and as I always say, "the day you want to stop learning, then I would advise you to hang up your manhole hook".

This past year, we shared information on calcium deposits in vitrified clay pipe, roots ,disposable wipes, odor control, TV video data, new State rules and regulations such as the WDR/SSO, and of course FOG and how to deal with it. Lateral programs were also a hot topic in 2009 and will continue to be in 2010. With that I would like to say thanks to my Co-Chair, Sam Espinoza of LACSD, Nicole Greene of the City Of Montclair, Bob Kreg from Dudek along with SCAP's Administrator, Pam Merriam and of course John Pastore, Executive Director of SCAP. Lastly, I would like to thank the El Toro Water District for allowing me the time to be the Collections Committee Chair for past three years. I will still be attending and assisting SCAP with their meetings in 2010 and look forward to seeing all of you at our future meetings.

Collection Systems Committee in 2010 by Sam Espinoza, LACSD

In the upcoming year the Collection Systems Committee (CSC) plans to continue to seek out, monitor and, if appropriate, provide comment to all developing regulations that can potentially impact collection system owners and operators. The CSC will watch closely for changes to the existing Statewide General Waste Discharge Requirements (WDR) for Sanitary Sewer Systems and any enforcement action taken by the State or Regional Boards on local collection systems. The CSC will continue to serve as an informational source for member agencies by holding quarterly meetings at various agency locations to provide updates on regulatory matters and also to provide tips on effective collection system O&M practices such as sewer line cleaning methods, odor control strategies, condition and capacity assessment, FOG management programs, research and other relevant topics of interest.

The CSC will plan to invite regulatory officials that would be interested in presenting information and gathering opinions from the membership at the quarterly meetings. The CSC will also look to participate in informative workshops and events that compliment committee goals.

November 4, 2009 Collection Systems Committee Meeting by John Pastore, SCAP

The last Collection Systems Committee meeting of the year was held at the Goleta Sanitary District in beautiful Goleta, CA. The meeting was attended by nearly 30 participants and featured presentations by Manuel Romero on the City of Santa Barbara's private lateral program and their outstanding sewer overflow prevention and response program; SCAP's Bob Kreg on the WDR/SSO workshops update and a very enlightening look at how roots grow and their effect on sanitary sewers; and by Ken Bricker from MRC Technologies, Inc., on grease interceptor equipment.

Our thanks to Kamil Azoury, Goleta SD General Manager, for his hospitality in hosting the meeting.



Ralph Palomares checking out some of the FOG collection apparatus on display at the meeting.



Energy Management

Chair Andre Schmidt
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Energy Management Committee Year In Review by Andre Schmidt, LACSD

First Quarter Committee Meeting

On January 29th, the Energy Management Committee held its quarterly meeting at the Encina Wastewater Authority treatment facility in Carlsbad. Mike Hogan presented a historical overview of Encina's energy management program, including their strategic planning approach that led to several energy improvements at their treatment plant. A tour was conducted of their plant, including a recently completed

biosolids dryer and cogeneration facility. In addition, Andrew McAllister of the California Center for Sustainable Energy gave a presentation on the work that his organization has performed in conjunction with San Diego Gas & Electric, as well as how his organization can assist water and wastewater agencies with energy audits and incentive programs.

Second Quarter Committee Meeting

On April 14th, the Energy Management Committee held its quarterly meeting at the City of Thousand Oaks Hill Canyon Wastewater Treatment Plant. Chuck Rogers gave an overview of their 14 mgd treatment plant's energy management plan, including use of cogeneration, solar power, high efficiency blowers, lighting, and restaurant grease disposal. This was followed up with a tour of the plant's energy management facilities. In addition, a presentation was given by Jeff Bartel of U.S. Energy Services, concerning insights into how power purchase agreements between private companies and public agencies work and the benefits derived from these types of contracts. He also provided a detailed analysis of the projected savings that the recent agreement with the City of Thousand Oaks will result in. Lastly, Pramod Kulkarni from the California Energy Commission discussed his work with recently legislation AB1613 and AB2791, which encourage cogeneration at wastewater treatment plants and requires California utilities to provide a feed-in tariff for any new system less than 20 MW that meets eligibility requirements.

Third Quarter Committee Meeting

On July 28th, the Energy Management Committee held its quarterly meeting at the Los Angeles County Sanitation Districts administrative headquarters in Whittier. The focus of the meeting was on fuel cells. An overview of fuel cell technology was given by Jeff Cox of Fuel Cell Energy, whose company is the main player in the fuel cell market for digester gas to energy projects. Next, LACSD's Mark McDannel presented an in-depth look at the performance of the fuel cell that was installed in 2003 at the Palmdale WRP. This was one of the first fuel cells to be run on digester gas. Lastly, presentations on OCSD's Energy Management Program and their Fuel Cell Research Program were made by David Halverson and Layne Baroldi, respectively. David presented an overview of the electrical systems at each of OCSD's wastewater treatment plants and discussed the challenges faced and what OCSD has been able to accomplish in creating an energy management program. Layne described how the "Hydrogen from Sewage" research project, could ultimately lead to recovering biogas from their wastewater digesters, running a fuel cell with the gas, returning heat back to their digesters and the

treatment plant, providing power from the fuel cell back to the treatment plant and siphoning off the hydrogen to a fuel station for running a fleet of hydrogen fuel cars.

Fourth Quarter Committee Meeting

On October 22nd, the Energy Management Committee held its quarterly meeting at the Los Angeles County Sanitation Districts administrative headquarters in Whittier. The focus of the meeting was on climate change issues and emerging energy technologies. A presentation was made by Energix Research, Inc. on their proprietary self-generation equipment that uses hydrogen reforming to control NOx in internal combustion engines for satisfaction of new SCAQMD's regulations. Biosoils, Inc. gave a presentation on the new Colton Biosolids Facility that is currently planned for construction in the near future in the City of Colton. SCAP's Air Committee vice chair, Greg Adams, discussed the relevant provisions of the Kerry-Boxer federal climate change legislation that pertains to water and wastewater operations.

The utility companies were also well represented and made presentations summarizing various opportunities for our POTWs to take advantage of new regulations regarding renewable energy sources and the future outlook for cap and trade. The first presentation was by SEMPRA Energy's Greg Bass regarding opportunities for POTWs with the partial reopening of the direct access power market. The next presentation was by Steve Hruby of the Southern California Gas Company on the development of the pipeline biomethane market, which will allow for an alternative use for digester gas. And lastly, Frank Harris, a noted economist with Southern California Edison, gave an in-depth presentation on the potential effects of cap and trade on our industry.

Innovative Energy Management Workshop by Andre Schmidt, LACSD

The Energy Management Committee helped to coordinate an Innovative Energy Management Workshop that was held by the EPA at the Southern California Edison training center in Irwindale on June 23. This SCAP sponsored event was well received with over 40 people in attendance. Participants had the opportunity to benchmark the energy performance of their treatment facility using the EPA Energy Star Portfolio Manager. The tool can help a utility set targets for investment priorities, verify efficiency improvements, and calculate its carbon footprint. The workshop also instructed participants in how to apply the principals of the EPA's Energy Management Guidebook for Wastewater and Water Utilities. Representatives from the electricity and natural gas

utilities were also in attendance to present information on their energy efficiency support programs and billing structures. The Energy Management Committee will continue to look for opportunities to partner with the EPA to take advantage of their offer to follow up in providing assistance to SCAP members to further energy management efforts at POTWs in Southern California.

Energy Funding Opportunities by Andre Schmidt, LACSD

The Energy Management Committee continues to identify funding opportunities that exist for energy projects at POTW's. This year's American Recovery and Reinvestment Act (Economic Stimulus Package) included \$64 billion in spending and tax incentives for energy spending, which brought about many funding opportunities for energy projects at POTW's this year. The stimulus provided \$280 million in additional funds to the California Clean Water State Revolving Fund, of which 20% was required to be spent on "Green Project Reserve" projects including energy efficiency improvements, solar power systems and biogas combined heat and power systems. In addition, \$3.2 billion in funding was made available for the Energy Efficiency and Conservation Block Grant Program. The California Energy Commission (CEC) received about \$295 million for energy efficiency and renewable energy programs. The CEC recently made \$25 million in low interest loans available for eligible energy efficiency and renewable energy projects. Also, \$1.6 billion was allocated for additional Clean Renewable Energy Bonds, which may provide funding for renewable energy projects at POTW's.

Energy Legislation by Andre Schmidt, LACSD

The Energy Management Committee continues to track the California Public Utilities Commission's (CPUC) efforts to form a market that would allow renewable portfolio standard (RPS) eligible renewable energy credits (RECs) to be sold separately from the associated electricity (referred to as "unbundled RECs"). This market would provide an additional income source for POTWs with digester gas self-generation facilities that use the power on-site. It is anticipated that the market value of these RECs would be approximately \$20 to \$30 per MW-hr, which would mean up to \$26,000 in annual revenue per 100 kW of renewable generation capacity. After initial efforts to establish a market mechanism for tradable RECs, the CPUC halted activities to see what renewable power legislation would be approved in the State legislature in anticipation that the legislature's decisions will affect the way the market is established.



Water Issues

By Chair Gus Dembegiotes
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Water Issues Committee Year in Review by Gus Dembegiotes, City of LA

In February John Ginn of the State Water Resources Board provided a presentation on the State's implementation of the California Integrated Water Quality System (CIWQS). Mr. Ginn provided some background on the existing eSMR system and then noted improvements in the new eSMR2. He further noted that new system was tested on a trial basis in Yuba City and rolled out in Region 5 in Redding. The State has also started training for the new system in Region-3, Fresno. John Pastore, SCAP's Executive Director, also gave an update regarding the Integrated Waste Management Board's Pharmaceutical Waste Management Plan. Sharon Green from LACSD also updated attendees on the Economic Stimulus package and its potential impact on California.

In May, the Water Issues Committee held its regular quarterly meeting at the City of San Diego Metropolitan Wastewater Department's Environmental Monitoring and Technical Services Laboratory. Alan Langworthy of San Diego Metropolitan Wastewater Department (MWWD) provided attendees with an overview of the Department, its treatment facilities, and collection system. Alan also talked about MWWD's process for working with regulators and NGOs and the lessons learned in successfully obtaining a waiver from full secondary at its Point Loma Treatment Plant. Tim Stebbins of San Diego MWWD also presented an overview of the City's ocean monitoring and testing program and provided a tour of its laboratory facilities, which included an overview of their toxicity testing regime and a look at their underwater submersible video and sampling equipment.

In October, The Water Issues Committee meeting was held at the City of Los Angeles' Hyperion treatment Plant. At the meeting, there was a discussion of the recently adopted Statewide General Recycled Water Irrigation Permit. There was also a discussion of the State Water Board's proposed revisions to its Water Quality Enforcement Policy and an update on the status of several legislative bills including AB 1366, SB

565, and SB 283. After the brief meeting, a tour of the Hyperion Treatment Plant and its Environmental Monitoring Laboratory was provided to committee attendees.

During the past year, the Water Issues Committee has been monitoring and reporting on the following issues:

- The Satewide Water Recycling Policy
- The Statewide General Permit for Landscape Irrigation Uses of Municipal Recycled Water
- The Water Quality Enforcement Policy
- Water Board Consideration of a New Water Quality Fee Schedule
- The California Ocean Plan
- The State Water Board's Development of Nutrient Numeric Endpoints
- The Draft NPDES General Permit for Discharges of Storm Water from Construction Activities
- The American Recovery and Reinvestment Act (ARRA) Stimulus Funds
- Recent Court Decision Opening Liability for Public Entities Operating Sewage Treatment Facilities
- AB1366 Water Softener Legislation

November 24, 2009 Water Issues Committee Meeting by John Pastore, SCAP

The last Water Issues Committee Meeting of the year was held at the Inland Empire Utilities Agency and featured a very candid presentation by Mr. Gerald Thibeault, Executive Officer of the RWQCB-Region 8. Mr. Thibeault offered his perspective on the challenges that his Regional Board will be facing to carry out implementation of the newly adopted SWRCB Water Quality Enforcement Policy. He stated that it was his understanding that SWRCB staff would be providing briefing soon on the role of the regional water boards in implementation of this policy. In discussing the new statewide Water Recycling Policy, he mentioned that the SWRCB has requested DWR to provide \$20 million in funding for the development of salt/nutrient management plans. He also stressed the need for agency cooperation on the preparation of these salt/nutrient management plans. While the Santa Ana Regional Board is way ahead of the curve by having worked over the years to successfully develop and adopt a salt management plan, other areas like Los Angeles that have numerous basins will find it very difficult to comply. IEUA General Manager, Richard Atwater was in attendance and spoke about the need to continue to be vigilant in the fight to outlaw self-regenerative water softeners. Rich stated that even though AB 1366 was passed allowing agencies to prohibit the use of these softeners, he expects court action by the water softener industry to challenge the

legislation. Mr. Thibeault also reminded everyone that the prohibition is not automatic and requires the adoption of a resolution or ordinance by the local agency and a finding by the Regional Board that “the control of residential salinity input will contribute to the achievement of water quality objectives”. Rich further suggested that SCAP conduct a future workshop to assist agencies on how to go about complying with these requirements.



RWQCB Executive Officer Gerry Thibeault addressing the Water Issues Committee

Other speakers at the meeting included the City of Los Angeles Bureau of Sanitation’s Jim Marchese, who gave a comprehensive legislative update and committee chair Gus Dembegiotes, who summarized the numerous regulations adopted this past year.

Rounding out the meeting was an informative presentation by Juan Guerreiro of the Rural Community Assistance Corporation, who described the work accomplished recently by the Student Chapter of the Global Water Brigade in constructing a potable water system in a mountainous region of Honduras.



City of LA-Bureau of Sanitation’s Jim Marchese presenting his legislative update to the committee



Regulatory Affairs

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Marine Life Protection Act by Mary Jane Foley, SCAP

The Marine Life Protection Act process for the South Coast Region, as far as the local involvement of the 64 stakeholders, is just about complete. Last month I attended a three day meeting with the policy group, the Blue Ribbon Task Force and the Stakeholders, of which I am one. The Blue Ribbon Task Force decided to send all three stakeholder proposals forward to the Fish and Game Commission for consideration of adoption, along with a preferred alternative that the BRTF is designing with the input of the stakeholders. I was part of the Proposal #2. As far as the SCAP Ocean Discharge Members, LACSD, SOCWA and San Elijo still have some big challenges with MPA’s over or too near their operations. The MLPA team is requesting the Fish and Game Commission to allow the MLPA to hire a consultant who will look at all the existing non-fishing permits and State Land leases and come up with what would be the allowable and prohibited uses. It will be very interesting to see how this is accomplished legally. I will keep you posted.

SCAP has submitted a letter to the Fish and Game Commission which includes language for protecting the future uses of wastewater operations that will hopefully be included in the final regulation. A copy of this letter has been posted on the SCAP website. Before the Fish and Game Commission can adopt a specific MPA proposal, CEQA for the South Coast Region has to be done. This is expected to be a long process.

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