

Quarterly Status Report	P1-2
LEED Leaders	P3
AB 32 Scoping Plan Summary.....	P3
Important Dates	P4
Did You Know?	P4

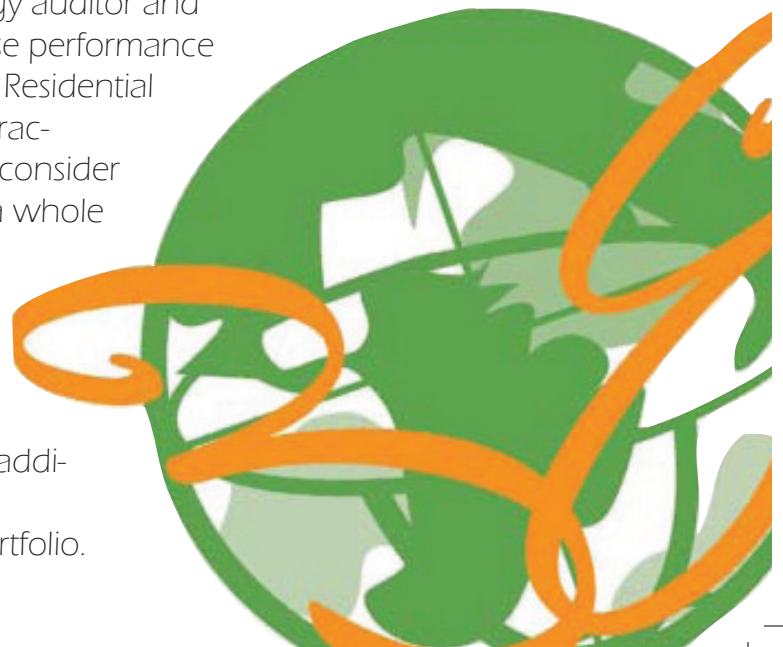
GREEN

Energy | Environment | Efficiency

SHEET

UPDATE: 2008 GREEN CODE

The 2008 Energy Code has been adopted and compliance manuals are currently under development for both residential and non-residential facilities. As a result of the tour in Los Angeles hosted by Los Angeles SMACNA, SWMIA Local 105 and their Joint Training Program, the California Energy Commission (CEC) has requested our assistance in reviewing and editing the non-residential compliance forms. Jim Rosier (Equal Air Balance), Ashley Widmar (ACCO – ES), John Boncinch (ACCO – ES), Loek Vaneveld (Western Allied) and John Hamilton (TABB) all worked with Tav Commins at the CEC for several weeks to identify both major and minor issues that arose from the CEC draft forms. This process concluded in late September, with Tav requesting our assistance in reviewing the Non Residential Acceptance Standards. Additionally, the 15-day language of the HERS II regulations is now available. New additions to the HERS program prescribe several new certifications, among them, energy auditor and whole house performance contractor. Residential retrofit contractors should consider becoming a whole house performance contractor; it could be a great addition to your business portfolio.



QUARTERLY STATUS REPORT

During the past three months, we have made great strides in establishing positive working relationships with the California Energy Commission, the Public Utility Commission and the Building Standards Commission. As we grow these partnerships, it is critical that our industry bring to the table a strong working knowledge of the issues at hand. Along those lines, our next major challenge will be to provide significant numbers of volunteers to (1) serve on the various task forces and working groups envisioned for the next code cycle, (2) contribute to the implementation of the CPUC Long Term Strategic Plan, (3) monitor the rewrite of the energy code acceptance standards and their related forms.

BUILDING STANDARDS COMMISSION

Governor Schwarzenegger appointed three new members to the Building Standards Commission in July to fill longstanding vacancies. The Commission approved the Green Building Standards at their July meeting, leaving many blanks to be filled in the coming months. I attended a lunch with the JCEEP Co-Chairmen and David Walls regarding these gaps, and Mr. Walls engaged us to work with the Commission on filling those which affect our industry: verification and training. Now that the state budget has been approved, we look forward to working with the BSC on this important issue. Newly-signed SB 1473 provides funding for the Commission to work on code development and sets the UMC and UPC as the California base model codes for mechanical and plumbing by statute. Chris Walker and Scott Wetch are to be congratulated for their great work in pushing this legislation through and obtaining the Governor's signature. The regular code tri-annual cycle will begin later this year with working groups evaluating the California Mechanical Code. I would appreciate feedback from our contractors around the state on how the code can be improved. Please forward your comments to me via e-mail.

UTILITIES

I have orchestrated several meetings among JCEEP Sub Committees and their respective utilities to foster better working relationships between the energy portfolio managers and our SMACNA contractors. Our first meeting included Jim Hussey (Marina Mechanical), David Dias (Local 104) and representatives from PG&E, where we discussed the process of becoming a verified service provider for PG&E. The all-day meeting was highly productive and informative for all parties. PG&E indicated that they were open to working with us in defining "quality installation" for non-residential HVAC installations. They are eager to network with our contractors and work together to formulate the next round of energy portfolio incentives for the non-residential HVAC incentives. By establishing these relationships prior to the drafting of incentive package proposals, we can ensure that future programs will integrate more readily into our industry's business models. Since then, I have since met with San Diego SMACNA, Local Union 206 and various SMACNA Contractor members to discuss their relationships with San Diego Gas and Electric. We are conducting follow-up meetings mirroring the format we established with PG&E in the Bay Area meetings. We have invited Southern California Edison and SMUD to tour our training facilities and to adopt the positive road map established at PG&E.

CALIFORNIA PUBLIC UTILITY COMMISSION

The CPUC formally adopted its Long Term Strategic Plan, establishing several goals aimed at improving energy efficiency in new and existing buildings. One goal specifies all commercial buildings will be zero net energy performance by 2030, with the requirement that 50% of existing buildings meet this standard. Additionally, "during the 2009-2011 periods, the goal is to attain a benchmark score for specified buildings; starting in 2012-2015, the goal is to attain a minimum Energy Star benchmark score..." according to the plan. I believe existing buildings targeted by the Plan are ones our contractors have either initially installed, maintained, or both. I recommend we assess these buildings to determine potential energy savings vis-à-vis retrofit and upgraded HVAC systems. The CPUC has instructed IOU's to promote commissioning and retro-commissioning in their portfolio programs. We should provide these services while promoting and implementing provisions of the SMACNA HVAC Commissioning Manual. I also recommend we work with JATCs on a statewide initiative to create a syllabus of SMACNA Quality Installation Training achieved through existing ITI- and JATC-created training materials. We should ensure our "Quality Training Syllabus" comprises all topic areas covered by the ACCA QI/QM Standard and more. These efforts will highlight our commitment to career-train HVAC technicians and service personnel, and demonstrate our ability to offer the best vehicle for channeling funding toward workforce education and training.

LEED Leaders SPOTLIGHT



Jim Hussey - Marina Mechanical

When it comes to being “green”, Marina Mechanical has always been on the cutting edge. Founded over 50 years ago by Robert Hussey, Marina Mechanical now operates under the direction of its President and CEO, Jim Hussey. Marina Mechanical has shown leadership in the area of LEED and Title 24 while specializing in the installation, service and design of environmentally friendly commercial HVAC systems designed to reduce energy consumption and greenhouse gas production.

Marina was recently named as the Small Business of the Year for the 18th Assembly District. This distinction was given in part for its green practices, as well as for its support of the community. Hussey credits its staff for being not only hard working and honest, but also some of the best trained in the state. “Our workers are members of organized labor, such as the Sheet Metal Workers and the Plumbers & Steam Fitters, which have major assets in personnel and facilities that are solely dedicated to training the next generation of HVAC installers and technicians,” remarks Hussey.



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Draft Scoping Study for Implementation of AB32 (The Greenhouse Gas Reduction Act of 2006)

The Scoping Plan for implementation of AB 32 the 2006 Greenhouse Reduction Act of 2006 was completed in October. The 142 page document compiled over the past year and one half sets the course for reduction of green house gasses, CO₂ to 1990 levels by 2020. The long term goal will be an 80% reduction of CO₂ emissions by 2050. The report states that the best way to accomplish the goals will be through implanting a “Cap and Trade” system. Within the capped sectors reductions will be accomplished through direct regulation, such as improved building standards and vehicle emission standards. Direct regulation and cap incentives will work together to accomplish this. “Key elements of California’s recommendations for reducing its greenhouse gas emissions to 1990 levels by 2020 include:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards;
- Achieving a statewide renewables energy mix of 33 percent;
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system;
- Establishing targets for transportation-related greenhouse gas emissions for regions throughout California and pursuing policies and incentives to achieve those targets;
- Adopting and implementing measures pursuant to existing State laws and policies, including California’s clean car standards, goods movement measures, and the Low Carbon Fuel Standard; and
- Creating targeted fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the State’s long-term commitment to AB 32 implementation.”

Note the first element “Expanding and strengthening existing energy efficiency programs as well as building and appliance standards.”. Our industry is in the bulls eye of the target. I will keep you posted.

IMPORTANT DATES

www.iq-greenbuildingsolutions.net
Intelligent Green Building Solutions for
Indoor Environment Quality!
Website update: November 2008

Green California Schools Summit
December 8-10, 2008

CAL SMACNA's 43rd Annual Convention
April 15-19, 2009

Western States Council
Apprenticeship Conference, Sacramento
April 29-May 2, 2009



DID YOU KNOW ?

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS (IAPMO)

David Dias (SMW LU 104) was recently appointed to the UMC Technical Committee in a prestigious yet demanding position that will allow us to create lasting effects on the development of the model code for California. Dave and I have been working as technical liaisons to the Uniform Green Mechanical Code Technical Committee, having attended two meetings this year with four more scheduled next year. We feel strongly optimistic that some of the gaps existing in the California Green Code may be addressed by the base mode "Green Code," simplifying our jobs at the BSC.



INTERNATIONAL

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California's building efficiency standards (along with those for energy efficient appliances) have saved more than \$56 billion in electricity and natural gas costs since 1978. It is estimated the standards will save an additional \$23 billion by 2013.

Energy Efficiency Standards for
Residential and Nonresidential Buildings