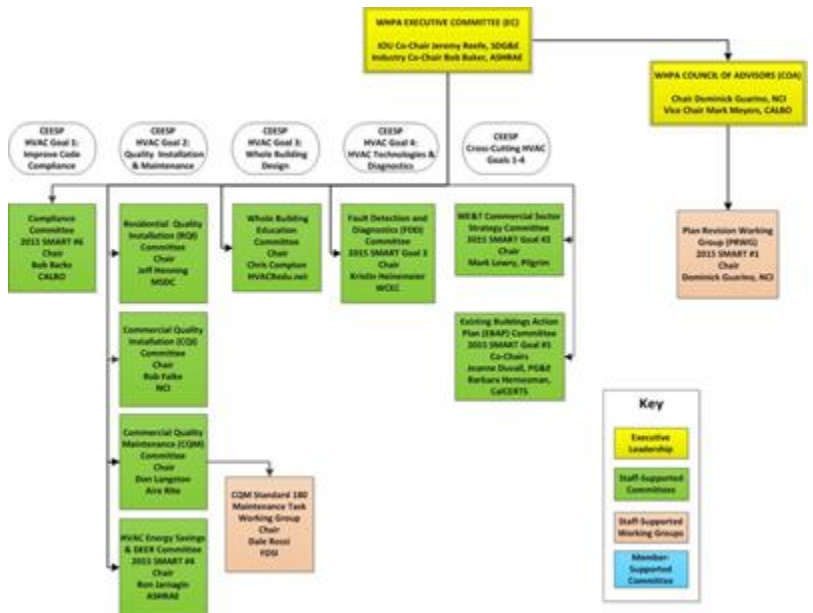




Many WHPA Committees Engaged in 2015 Goals to Service HVAC Industry; Multiple Initiatives to Provide Input for California Public Policy



Existing Buildings Action Plan Committee Providing Broad Industry Representation

The WHPA has reached a major milestone, thanks to a new WHPA committee, [Existing Buildings Energy Efficiency Action Plan Committee](#) (formerly known as AB758).

Barbara Hernesman (CalCERTS) is Co-Chair with Jeanne Duvall (PG&E) of the committee. Barbara said, "The WHPA is reaching a major milestone in bringing broad industry representation into direct, working interaction with the California Energy Commission (CEC) as it is formulating public policy."

The WHPA has many committees at work on 2015 goals. [Click here](#) for an expanded view of the WHPA Organization Chart.

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Engaged and energized. That's a good description of the 13 WHPA Committees and Working Groups. The WHPA volunteer groups are each driven by the 2015 goals that their members define, based on the high level 2015 [SMART Goals](#).

The focus for the past several years, as encouraged by the Investor Owned Utilities that fund the WHPA, is on deliverables. All 21 completed [WHPA Work Product](#) are posted on the WHPA website.

More WHPA groups are working with California public policy organizations, especially the California Energy Commission and the California Public Utility Commission, than ever before. A deeper look at two new Committees is included in this newsletter.

The WHPA organization chart above shows the relationship of the entities. Each Committee and Working Group also has a webpage with complete information.



Barbara Hernesman (CalCERTS) is the Committee Co-Chair

Read This!
[CEC Existing Buildings EE Action Plan Will Shape HVAC Policy in CA](#)



New HVAC Energy Savings and DEER Committee Tackling Big Issues

DEER, the Database for Energy Efficient Resources, has a major impact on the HVAC and energy efficiency in California. Sponsored by the California Energy Commission and California Public Utilities Commission (CPUC), this database was designed to provide well-documented estimates of energy and peak demand savings values, and measure costs and effective useful life.

WHPA members have long discussed how they can provide more "real world" data and input into DEER, and 2015 is the year that is happening with the establishment of the [HVAC Energy Savings and DEER Committee](#).

Carlos Santamaria is the WHPA Staff for the Committee, which is chaired by Ron Jarnigan, former president of ASHRAE. Carlos explained that the 2015 goal of the Committee is to assist other WHPA Committees and Working Groups in the process of providing credible data to the DEER team.

"For example", said Carlos, "If contractors have energy efficiency data as a result of improved QI, QM and FDD, we want to share that information with the DEER team and then have it be accepted."

California Assembly Bill AB758 will have far-reaching impact on HVAC and Energy Efficiency (EE) policy in the California. The core policy and deployment programs are likely to ripple throughout the US and the world.

The full document is below. The beginning of the document is "must reading" for understanding the background of this important initiative.



[CA Existing Buildings Energy Efficiency Action Plan](#)

State License Board Program Makes the Case for Quality Contractors



The Contractors State License Board (CSLB) recently launched a new initiative that gives contractors tools to help them sell home owners/occupants on the value of using licensed contractors and of permitted HVAC installation.

A number of WHPA members were instrumental in providing input to and participating in the final review of the Ambassador Program, which is now available to all contractors.

"The Ambassador Program is one way CSLB is helping to level the playing field for licensed contractors who play by the rules," said CSLB Registrar Cindi A. Christenson. "The consumer education fact sheets that CSLB provides will help licensees inform their prospective clients so they can make informed decisions about who to hire for their HVAC projects."

The Contractors State License Board (CSLB) HVAC Ambassador Program bid packet is now available on the CSLB's website. The introduction letter (which contractors can customize) and four fact sheets can be accessed through the Contractor page, under ["HVAC Ambassador Program."](#)

HVAC Efficiency Costs and Benefits Presented at Restaurant Facility Managers Event

Food Sales Organizations, including fast food restaurants, have among the highest energy cost per square foot of any industry, according to the US Energy Information Administration.

It was no wonder, then, that attendees at the Restaurant Facility

Common Field Problems and Out of Tolerance Excursions Due to Improper Installation and Maintenance

Managers Association (RFMA) meeting in San Diego were so engaged in the Jack in the Box case study presentation of its 9 least energy efficient stores out of 80 that were reviewed.

"Cooking Up Savings by Improving HVAC System Efficiency" was presented by WHPA Executive Committee member Don Langston (ACCA) and Jack in the Box facility executive John Lolmaugh. Mr. Langston's HVAC company Air Rite was the contractor for the project.

Panelist Jeremy Reefe (SDG&E), Co-Chair of the WHPA Executive Committee, provided an IOU perspective.

To summarize the findings:

- The 9 restaurants had 25 rooftop package HVAC units, totaling 336.5 tons of cooling capacity.
- The average age of the units was 8 years.
- **Of the 38 circuits tested in, only the 4 newest ones met the factory baseline performance levels.**
- \$12,066 in annual energy savings was achieved, based on 239 kWh/ton @ 15c kWh (CEC rate).
- There were additional savings from increased equipment life.

Presenter Don Langston said, "When I look at the results of this major study, and look at the blueprint of an AB758 process for existing building energy efficiency, it all ties together. Quality maintenance and retro-commissioning is a good place to start, but to be successful it must be part of a larger integrated program and long term sustainability strategy."



[HVAC Efficiency Costs and Benefits presented at Restaurant Facility Managers Event](#)

The Western HVAC Performance Alliance was established in 2009. About 210 organizations in 21 stakeholder categories are working together to help transform from the residential and small commercial HVAC industry to ensure that technology, equipment, installation and maintenance are of the highest quality to promote energy efficiency and peak load reduction. In this role the WHPA provides input to California Investor-Owned Utilities. For more information, contact info@performancealliance.org.

- Refrigerant charge - Up to 30% off of OEM design
- Incorrect airflow over coil - Up to 50% off design
- Equipment size - Routinely 100% too big
- Duct sizing - Routinely 50% too small
- Duct leakage - Up to 50% of airflow