



**WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)**

Call to Order

WHPA Staff (Wendy Worrell) called the meeting to order at 9:02 am PDT.

Roll Call

The following 15 participants attended the meeting.

P = Present at meeting A = Absent from meeting; if proxy has been assigned it will be noted below. The EWG is the voting panel of the Existing Buildings Energy Efficiency Action Planning Committee.				
CEC Advisors (Non-Voting)				
CEC (California Energy Commission)	Tom	Trimberger+	Government (Other than CPUC)	P
Exploratory Working Group Members (Voting)				
AirTest Technologies Inc.	Mike	Schell	HVAC Manufacturer	P
CalCERTS, Inc.	Susan	Davison	Certifying Body	P
Charles Segerstrom Consultant	Charles	Segerstrom	Industry Consultants	P
Honeywell ECC	Mike	Lawing	Controls (Manufacturer or Distributor)	P
Indio Cooling & Heating Supply	Tim	Mann	Distributor	P
SynergyNexGen	Barbara	Hernesman	Certifying Body	P (Co-Chair)
Tre'Laine Associates	Pepper	Hunziker	Energy Efficiency Program Consultant	P
Valley Contractors Exchange	Kate	Leyden	Contractor Association	P
EBEE "Community" Committee Members (Non-Voting)				
AHRI (Air-Conditioning, Heating, and Refrigeration Institute)	Garrett	McGuire	HVAC Manufacturer Association	P
AMS	Mark	Pickett	Contractor (Nonresidential)	P
Benningfield Group	Lynn	Benningfield	Energy Efficiency Program Consultant	P (13 min)
Big Ass Solutions	Don	Dodd	HVAC Manufacturer	P
Guests (Non-Voting)				
CALBO (California Building Officials)	Bob	Barks	Codes & Standards Official (Association or Jurisdiction)	P (Compliance Committee Chair)
WHPA Staff				
InfoPlast	Wendy	Worrell	Other Stakeholder	P (Host/Scribe)

*** Organization is Not a Member of the WHPA; + Individual is NOT Registered with the WHPA; ^(P) after last name = Member/Registrant is Pending Approval from the WHPA Executive Committee*

AGENDA

WHPA Staff email distributed the following agenda to the WHPA EBEE Committee roster prior to the meeting.

	Agenda item	Activity	Outcome	Time
1.	Roll Call	WHPA Staff will call the roll	Attendance recorded	5 min
2.	Co-Chairs' Opening Comments	Chairs will provide open comments, clarify agenda, and review recent events.	Critical direction and updates provided. Meeting participants reminded to identify themselves and which Sub-Strategy they are commenting on.	5 min
3.	Charrette Overview and Discussion	Chairs will provide an overview of the main events and content summary of the July 19 th WHPA EBEE and Stakeholder In-Person Charrette. Sub-Strategy Leadership will provide additional "Quick Snapshot" comments about their take-away from the Charrette.	An overview is shared with the focus on knowledge base development and collecting direct Committee input on the Sub-Strategy breakout session summary content from the July 19 th In-Person Charrette. Committee engagement is highest in the agenda item.	15 min Chair 15 min Sub-Strategy Leaders
4.	Next Steps	Chairs will outline the next steps and committee commitments for the next month	Clarification of the next steps for Committee members to take to continue development of the Sub-Strategy "Pathways to Implementation" Roadmap will be presented and understood.	15min
5.	Wrap up and Adjournment	WHPA Staff will: a. Provide data and times for upcoming meetings b. Adjourn the meeting at 10:00 am Pacific	Information on coming events shared. Confirmation of next meetings as: <ul style="list-style-type: none"> • Invite Only Cross-Committee Chairs: Aug 3rd at 12pm PDT • EWG Meeting: Aug 4th at 9am PDT • EBEE Meeting: Aug 18th at 9am PDT 	5 min



WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)

Co-Chairs' Opening Comments

Co-Chair Barbara Hernesman (SynergyNexGen) thanked the Charrette participants for their time and excellent work. There is a [Charrette page](#) at the [WHPA website](#) that has all the Charrette template outputs in Excel format.

Tom Trimberger (CEC) confirmed that he has already begun to use the draft Charrette output worksheets “as is” for any CEC update needs while the Charrette outputs are being put into final worksheet versions.

Co-Chair Barbara Hernesman (SynergyNexGen) confirmed that Charrette output templates are not all complete and that they are work in process.

Tom Trimberger (CEC) clarified that the Existing Buildings Unit is updating the EBEE Action Plan but that they are not rewriting it completely. His first drafts are due next week. He will do it based on the draft content the WHPA EBEE Committee has at this point.

Pepper Hunziker (Tre'Laine) agreed that the essence is there but not the full plan for the Sub-Strategies.

Co-Chair Barbara Hernesman (SynergyNexGen) reported key Charrette takeaways as the shared vision and trust building that occurred. “We are effecting critical decision making.” The next steps are on narrating the recommended pathways to implementation for the five Sub-Strategies (1.5.1, 1.5.2, 1.5.3, 1.5.5, 3.3.1).

WP II Comments Review and Discussion

Co-Chair Barbara Hernesman (SynergyNexGen) presented the July 28, 2016 WHPA EBEE Committee meeting reference slides, which primarily overviewed the Charrette output recommendations.

Co-Chair Barbara Hernesman (SynergyNexGen) clarified that the output worksheets contain a lot of information beyond the snapshot of the recommendations presented in the meeting slides and that the Sub-Strategy worksheets may still be evolving. The worksheets are “living documents” that will transpose to a richer pathway to implementation.

ACTION: WHPA EBEE Members to look at the Charrette Output Excel worksheets viewable online at:

- [1.5.1 WHPA EBEE Charrette Output “Improve Clarity and Ease of Use”](#)
- [1.5.2 WHPA EBEE Charrette Output “Review B.E.E.S. for Cost-Effectiveness”](#)
- [1.5.3 WHPA EBEE Charrette Output “Training and Communication”](#)
- [1.5.5 WHPA EBEE Charrette Output “Understand the compliance shortfall”](#)
- [3.3.1 WHPA EBEE Charrette Output “Priority sectors, systems, and workforce categories”](#)

SUB-STRATEGY 1.5.1 IMPROVE CLARITY AND EASE OF USE

WHPA Staff took the content received from the Sub-Strategy 1.5.1 Breakout Group Leader, Dennis Quinn (Joule Assets) and put it into the Charrette worksheet template format.

The Sub-Strategy 1.5.1 Breakout Group Recommendations follow:

1. *Combine all codes and standards references related to BEES into a common database with appropriate cross referencing for access by Stakeholders.*
2. *Assign liability and responsibility to the Owner for Code Compliance (with some responsibility by Contractor and Engineer)*
3. *Incorporate QR code (or similar) to be scanned through transaction process: distributor, contractor, Inspector and Owner (to confirm history, assuming they are responsible).*
4. *Single source permit for installation for HVAC change-out (similar to solar industry) for use in Residential and small commercial. Easier to develop and use online execution.*
5. *Self-certification for Title 20 and 24, including high efficiency equipment with QR/barcode/FDD. (Pilot as a milestone and timing)*
6. *Distributors sell only to licensed contractors (variation that contractor must demonstrate T24/T20 training).
Statewide permitting**



**WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)**

There were no further comments related to Sub-Strategy 1.5.1.

SUB-STRATEGY 1.5.2 REVIEW BEES FOR COST-EFFECTIVENESS

The Sub-Strategy 1.5.2 Breakout Group Recommendations follow:

1. *Change the conversation from “cost effectiveness” to value. Consumers do care about value.*
2. *Factor the costs of administration and enforcement of Standards, the cost of industry installation and compliance, the cost of M & V, and dealing with market confusion since stakeholders (consumers, contractors, building departments/budgets) consider these factors important.*
3. *Write Standards that are enforceable, not just cost effective. Credibility in Standards; cost effectiveness is visible and tangible.*
4. *Articulate why building efficiency is a health and safety issue within the code, not just “saving energy”.*
5. *Real world Standards not just concepts “What do regular folks do”? Address the influence of code writing and cost effectiveness calculations by regulars, engineers and building officials focused on new construction, and often less familiar with real-world techniques used in retrofitting/remodeling existing structures. Include manufacturing, contracting and building official communities when writing codes. People who provide and install equipment and materials used to retrofit existing buildings are your pipeline for dependent information, accurate costs and resulting energy savings data.*

Sub-Strategy 1.5.2 Breakout Group Leader Tim Mann (Indio Cooling & Heating Supply) clarified that the Sub-Strategy 1.5.2 content is incorporated into the Sub-Strategy 1.5.5 content as well.

Tom Trimberger (CEC) reported that the Charrette provided him with an “aha” moment in appreciating the connection between Sub-Strategies 1.5.2 and 1.5.5 and that while the CEC needs to do the work for Sub-Strategy 1.5.2, it may not be a real market factor. Tom is working to help those around him at CEC to see the connection between the two Sub-Strategies. In the end, Sub-Strategy 1.5.2 may be folded into Sub-Strategy 1.5.5, although the CEC has not made a final decision yet.

Co-Chair Barbara Hernesman (SynergyNexGen) reported that there were other important components of Sub-Strategy 1.5.2 as well, including the credibility of standards and whether the boots on the ground can implement code. She expressed concern over that part getting lost.

Tom Trimberger (CEC) clarified that he does not see it as a loss, but rather as leveraging more thru Sub-Strategy 1.5.5.

ACTION: Tom Trimberger (CEC) to provide an update to the WHPA EBEE Committee on whether or not Sub-Strategy 1.5.2 is consolidated into Sub-Strategy 1.5.5.

Susan Davison (CalCERTS) voiced her opinion that Sub-Strategies 1.5.2 and 1.5.5 should not be joined noting that from a standard perspective, drafting cost effectiveness is part of the dialogue, but further in the process, the consumer does not use that terminology. She suggested using the correct term with the correct audience.

Co-Chair Barbara Hernesman (SynergyNexGen) reminded of the importance of looking back at the actual “Goal” pages in the EBEE Action Plan to not lose the full extent of what CEC is seeking. “Don’t forget the larger picture!”

ACTION: WHPA EBEE-EWG members to review EBEE Action Plan Goals pages 42-57 and pages 69-76 to remember the “big picture”.

WHPA Staff reminded that the WHPA ES&DEER Committee will be working to clarify what cost effectiveness means to the various stakeholders, which will provide a broader perspective than what was discussed at the Charrette.

ACTION: Tim Mann (Indio Cooling & Heating Supply) and Mike Schell (AirTest Tech) to connect offline about Sub-Strategy 1.5.2).

SUB-STRATEGY 1.5.3 TRAINING AND COMMUNICATION

The Sub-Strategy 1.5.3 Breakout Group Recommendations follow:



**WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)**

1. *Support the development of the communication pathway in education and outreach from the building department through the health department to the community in the communication of the benefits of EE and building performance and therefore the values of permit compliance. Ensure Health department validation of HVAC contractor delivery of value for family/place of business health.*
2. *Support the implementation of quarterly community engagement activities in each IOU territory where the community is invited to pre-release of new manufactured technologies in exchange for listening to community members.*
3. *Properly source* funding and resources to bring project management and continuous process improvement into the base competency set of skills of local government employees.*
4. *Encourage proper funding to local governments for focus on both energy efficiency in the market as well as on what is needed for health and safety.*
5. *Identify the proper source of additional funding to upgrade departments by reinstating what may have been lost in the last construction downturn.*
6. *Advertise sale and cost of noncompliance.*
7. *Integrate public and private efforts along mutual mission goals and objectives. (See the State Energy Efficiency Collaborative conference 2016 conference material, assessment tool.)*

Sub-Strategy 1.5.3 Breakout Group Leader Kate Leyden (Valley Contractors Exchange) noted that she felt lucky to have had Martha Brook (CEC) at the breakout table with her and Nancy Springer (Butte County). For Kate, a primary resulting item from their efforts was the idea of identifying the optional compliance path of Fault Detection and Diagnostics to bring technology in to assist with what people are currently doing. She reported that much of the recommendation content focuses on “blowing up the boxes” and the long term goal of realigning energy efficiency into its own world at a regional hub level. It is currently a piling on situation at the local level without adequate funding and knowledge to keep up with it all.

Co-Chair Barbara Hernesman (SynergyNexGen) confirmed that this is a long term commitment to get to the long range California energy efficiency goals rather than a “one off” project and that there a lot of information has been generated thus far that might benefit from being put into a logic model. She clarified that logic models are particularly useful where there is a product that has been looked at for a long time that needs to be viewed in a new manner.

Kate Leyden with Valley Contractors Exchange reported that they have access to all the local government jobs that are put out to bid. In reviewing two very different HVAC maintenance jobs currently out to bid, Kate realized that it would be a good place to start integrating education on following codes and best practices as local government personnel probably do not know what needs to be in their requests for bid. She added that when asking for maintenance and installation on their own buildings, the agencies themselves “don’t really get it either”.

Co-Chair Barbara Hernesman (SynergyNexGen) suggested that there might be a way to build a model showing what is normally done versus what is really needed.

Pepper Hunziker (Tre’Laine) noted that Utilities have business centers for outreach and that this could be compelling for them.

SUB-STRATEGY 1.5.5 UNDERSTAND THE COMPLIANCE SHORTFALL

The Sub-Strategy 1.5.5 Breakout Group Recommendations follow:

1. *Change the conversation from “Cost Effectiveness” to **Value** (Consumers do care about value)*
2. *Get Building Departments, Consumers and Contractors to value EE compliance / Facilitate the transformation of existing building department workforce to care (value) energy efficiency. (rec action #6)*
3. *Value EE compliance - to Building Departments / Market & training on the value and cost of non-compliance*
4. *Value EE compliance - for the Consumer / Frame the consumer energy efficiency conversation in terms of health and safety, and also in terms of legal compliance (must obey)*
5. *Use technology and training to move the market / Support the design and use of automated and wireless tools and technologies that facilitate and simplify the permit process (at the contractor level) and encourage tools that align with building department activities (rec action #4)*
6. *Engage private & public industry, education, and work force investment boards and local government (rec action #9)*



WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)

Co-Chair Barbara Hernesman (SynergyNexGen) noted that as the Sub-Strategy 1.5.5 Breakout Group leadership, Tom Trimberger (CEC) and Susan Davison (CalCERTS) developed a lot of recommendations as well as a large amount of content for the milestones and “how to’s”.

Susan Davison (CalCERTS) noted that with line item 2, a focus was looking at how compliance related to building department, consumers and contractors. Many are required to do it per their business model, etc. We need to pay attention to who the players are and how they need to or do approach it. Attention must be paid to the separation that occurs first, followed by a look at the value of energy efficiency. The primary question is on how to change the conversation for health and safety to be part of the core for energy efficiency and not in place of it. The breakout group believes that data and technology may solve some of the issues.

In reference to recommendation #5, Co-Chair Barbara Hernesman (SynergyNexGen) noted that there are currently a lot of moving targets of which the public is not aware. It is an opportunity to expose the technology that exists and make people aware of it.

Susan Davison (CalCERTS) confirmed that it is not realistic for the marketplace to have a national database right now, but that access to the data is critical. The private market may have a role to support and build some of the technology so they can be communicating to the same data standards, or national standards, etcetera. Sub-Strategy 1.5.5 should yield some things in the marketplace to support what is already around.

Co-Chair Barbara Hernesman (SynergyNexGen) asked how can we use what is in the market to build better understanding toward compliance and high performance, and the like. She indicated that recommendations #2 and #5 are critical from her perspective.

For relevance, Tom Trimberger (CEC) added that in looking at the value of energy compliance to consumers, every year 1 of 6 homeowners will make a purchase that has a large effect on energy or water use, but that 75% of those will go with the lowest bid. The question is how to make sure the lowest bid at least meets compliance.

Co-Chair Barbara Hernesman (SynergyNexGen) commented that local government plays a huge part in informing their communities as to what they should be concerned about as a consumer.

Kate Leyden (Valley Contractors Exchange) agreed that Tom Trimberger’s example summarizes the problem. Contractors only know what they know.

Michael Lawing (Honeywell) noted that the story needs to be changed to help contractors understand the value of good, better, best propositions and what they give up when they make adjustments. For example, there might be a standard thermostat that now codes with a 7 day programmable. The next level might be 365 days with holiday programming. Something gives up, such as temperature plus humidity with the value of humidity being better comfort. Comfort keeps people in stores where they spend money the longer they stay. The value proposition needs to be described to provide the needed understanding. Marketing studies show that a bit of education helps bring movement up a level.

Tim Mann (Indio Cooling & Heating Supply) commented that a large issue is getting consumer and contractors interested in the needed education.

Tom Trimberger (CEC) indicated that there is a need to use both “the carrot and the stick” with contractors, noting that contractors are smart, but that they do things they need to do to stay in business and to make money. The things that are perceived as “nice to do” like getting a permit and getting better options are secondary to what needs to be done to put food on the table, etc.



**WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)**

Michael Lawing (Honeywell) noted that in working with both distributors and contactors, the story needs to be clarified in both perspectives so that each audience understands the benefits. The message is different for each audience.

Sub-Strategy 3.3.1 Priority Sectors, Systems, and Workforce Categories

The Sub-Strategy 3.3.1 Breakout Group Recommendations follow:

1. *Accessibility: Increase geographical and socio-economical outreach to diverse population, working families, and small business etc.*
2. *Prioritize HVAC trade pipeline, market outreach and skill-building program development for incumbent workforce.*
3. *Increase HVAC priority building sector awareness for k-12, Postsecondary, Continuing Adult Education, Transitioning workforce etc. Identify existing IOU programs, efforts and utilize for market outreach and growth.*
4. *Seek to align CEC EBEE-AP WE&T Goals, IOU WE&T Business Plan Goals and PTLM Support to increase cost effectiveness, energy efficiency applications and measured performance.*
5. *Leverage and increase support for Private and Public Training Partnerships' efforts focused on "real-world" skillsets that create pathways for HVAC whole-systems approach, "High-Performance" and/or "Performance-Driven" Workforce Education and Training.*

Co-Chair Barbara Hernesman (SynergyNexGen) noted that there is still work to be done on the Sub-Strategy 3.3.1 Charrette output worksheet, but that it is a good start. Pepper Hunziker (Tre'Laine) was the Breakout Session leader with Charles Segerstrom (Consultant) as the co-leader. Kristine Walker (PG&E) was involved as well.

Pepper Hunziker (Tre'Laine) reported that she learned a lot from her breakout group and that she appreciated working with them. A primary focus of their efforts was the idea of accessibility for those who are not in the room. Secondly, the focus was on finding people where they are and getting them the information they need to move the gage. She looks forward to feedback and has already sent it to some key industry stakeholders for additional comment.

Charles Segerstrom (Consultant) reminded of the importance of keeping the EBEE Action Plan context in mind of the vision for the future and how to go from where people, industry and the market is to where they should be. It is important to get all educational aspects involved and aligned.

Pepper Hunziker (Tre'Laine) clarified that the Breakout Group approached the task by thinking about the categories involved (residential, nonresidential, etc.) thru the HVAC lens, in line with code compliance based on input from aligned groups, how to engage stakeholder categories, and be inclusive.

Co-Chair Barbara Hernesman (SynergyNexGen) reminded of the importance of reviewing EBEE Action Plan key points on pages 75-77, particularly in terms of:

1. Performance assurance - Make sure people are where they are right now but also focused on how to "move their gage" to incorporate new skillsets to better serve their customers. For example, ensure knowledge of Quality Installation and determine what "quality" is.
2. Performance Based Incentives - IOU Programs should leverage, align, and influence State training principles and educational institutions.
3. WE&T Funding should be directed to private and public providers with the core competencies in their workforce training programs.
4. Utility energy efficiency program portfolios should include skill-building opportunities for disadvantaged workers and broaden access to a living wage.

Barbara reported that the above concepts were almost verbatim to the work developed in the Sub-Strategy 3.3.1 breakout group. She also noted that there is a lot of overlap and parallels between Sub-Strategies 1.5.3 and 3.3.1 and that she looks forward to integration as the Committee's work progresses.

CROSS-COMMITTEE WORK

Co-Chair Barbara Hernesman (SynergyNexGen) reported that there is cross committee work being done within WHPA. The collaborative Chairs of the WHPA EBEE Committee, WHPA ES&DEER Committee, WHPA



**WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)**

Compliance Committee, and WHPA WE&T Committee will be meeting next week to discuss how to integrate the WHPA efforts to ensure broad perspective input and that work is done across the board and not in silos.

TIMELINE

Co-Chair Barbara Hernesman (SynergyNexGen) presented the suggested timeline related to Charrette Outputs based on the following chart.

Deliverable	Due Date (Estimated)
1. Finish Charrette Output WPII Pathways documents	Early to Mid-August
2. WHPA EC review, guidance and approval of WPII Charrette outputs for release to CEC	Mid-August
3. CEC EBEE-AP Staff timeline for Update Review of Action Plan so EWG WPII can be utilized in this discussion	Mid to Late August
4. Provide EBEE-EWG & Community WPII to WHPA Committee Chairs for review, input and their committee work	Mid to Late August
5. CEC EBEE-AP Staff provide follow-up to WHPA EBEE-AP EWG committee on applicable next steps of engagement	Late August

Co-Chair Barbara Hernesman (SynergyNexGen) reported that the WHPA EBEE-EWG Committee will be developing a summary to submit to the WHPA Executive Committee for their approval and escalation to the CEC. The expectation is to achieve this by mid-August so the CEC has what they need. It was reiterated that the CEC (Tom Trimmerger) has access to the working documents for use as needed in the interim.

Tom Trimmerger (CEC) confirmed that he was not sure how in depth the EBEE Action Plan update will be as there is not “a whole lot” they can do. He reminded that WHPA input is not just for the update, but rather for what the CEC will be doing for the next couple of years.

ACTION: The WHPA EBEE Co-Chairs to have another work session with the CEC reps when the focus is on the next step for CEC.

Next Steps

Co-Chair Barbara Hernesman (SynergyNexGen) clarified that the Committee has eight remaining WHPA Staff Supported meetings in 2016, and that WHPA Staff assistance in drafting Sub-Strategy roadmaps is also available as needed. The Co-Chair expressed appreciation for the efforts of the EWG and EBEE members.

ACTION: Co-Chair Barbara Hernesman (SynergyNexGen) suggested that logic models be incorporated into the next steps for each Sub-Strategy.

Wrap Up

WHPA Staff noted the following schedule for August meetings:

- Invite Only Cross-Committee Chairs: Aug 3rd at 12pm PDT
- ~~EWG Meeting: Aug 4th at 9am PDT (CANCELLED)~~
- EBEE Meeting: Aug 18th at 9am PDT

Co-Chair Barbara Hernesman (SynergyNexGen) directed for work to continue with the Charrette Breakout Group Sub-Strategy leaders.



WHPA Existing Buildings Energy Efficiency (EBEE) Action Plan Committee
Teleconference Summary Minutes
Thursday, July 28, 2016 (Scheduled for 9:00 – 10:00am PDT)

WHPA Staff Note: The [WHPA EBEE Committee's webpage](#) is regularly updated with meeting recordings, notes, and the developing work product document(s).

Adjournment

Co-Chair Barbara Hernesman (SynergyNexGen) adjourned the meeting at 10:02 am PDT.

* * * * *

Summary of Action Items and Key Decisions (from above discussion)

1. **ACTION:** WHPA EBEE Members to look at the Charrette Output Excel worksheets viewable online at:
 - a. [1.5.1 WHPA EBEE Charrette Output “Improve Clarity and Ease of Use”](#)
 - b. [1.5.2 WHPA EBEE Charrette Output “Review B.E.E.S. for Cost-Effectiveness”](#)
 - c. [1.5.3 WHPA EBEE Charrette Output “Training and Communication”](#)
 - d. [1.5.5 WHPA EBEE Charrette Output “Understand the compliance shortfall”](#)
 - e. [3.3.1 WHPA EBEE Charrette Output “Priority sectors, systems, and workforce categories”](#)
2. **ACTION:** Tom Trimberger (CEC) to provide an update to the WHPA EBEE Committee on whether or not Sub-Strategy 1.5.2 is consolidated into Sub-Strategy 1.5.5.
3. **ACTION:** WHPA EBEE-EWG members to review EBEE Action Plan Goals pages 42-57 and pages 69-76 to remember the “big picture”.
4. **ACTION:** Tim Mann (Indio Cooling & Heating Supply) and Mike Schell (AirTest Tech) to connect offline about Sub-Strategy 1.5.2).
5. **ACTION:** The WHPA EBEE Co-Chairs to have another work session with the CEC reps when the focus is on the next step for CEC.
6. **ACTION:** Co-Chair Barbara Hernesman (SynergyNexGen) suggested that logic models be incorporated into the next steps for each Sub-Strategy.
7. August, 2016 Meeting **Schedule:**
 - a. Invite Only Cross-Committee Chairs: Aug 3rd at 12pm PDT
 - b. ~~EWG Meeting: Aug 4th at 9am PDT (CANCELLED)~~
 - c. EBEE Meeting: Aug 18th at 9am PDT