

California Compliance Software Symposium 2

Introduction & Meeting Overview: Meeting Goals

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Energy Codes & Standards and ZNE

Energy for What's AheadSM



Why Symposiums?

- **To facilitate a collaborative environment with industry leaders for long-term planning & coordination on the subject of building energy modeling in California.**
- *Originally: "To gain insights from a variety of stakeholders on key software improvement needs and to help the California Energy Commission prepare for future compliance software improvements."*

Symposium #1: November, 2017



Symposium #1: Successes

- Gathered industry leaders to discuss a collaborative future
- Offered an environment to allow for exploratory discussion
- Brought new voices and perspectives to the table (i.e. IBPSA-USA, CABEC)
- Sparked new relationships and new projects
- Identified some foundational commonalities and themes

Symposium #1: Room for Improvement

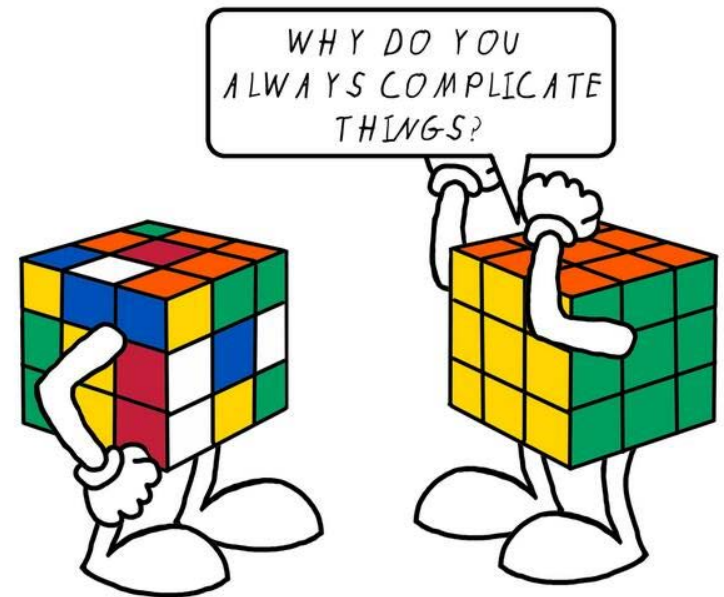
- Objectives were not clearly communicated beforehand, and throughout (“No North Star”)
- Improve communication on interim activities including updates on action items
- Include other voices such as CALBO and more CABEC
- Existing public BEM roadmaps don’t actually have a roadmap
 - *Roadmap: guiding document that articulates the specific steps necessary to arrive at a long-term goal. Can be used to bring consistency and transparency across multiple organizations, reinforcing a clear purpose.*

Symposium #1: Action Items

- ✓ SCE will convene a follow-up web-based meeting in December to re-cap the symposium, discuss next steps for this process, and progress to date. **(Behind Schedule)**
- ✓ Portions of this discussion (e.g., metrics, and baseline issues) will be incorporated into existing work through the statewide codes and standards team at the IOUs and their coordination with the CEC codes and standards staff. **(Completed)**
- ✓ SCE and TRC will update the Software Roadmap report to include the results of this Software Symposium, and the report will be shared with CEC. **(Completed)**

Symposium #1: Themes

- Strong consensus to streamline energy modeling processes, not just in code compliance
- Shift focus from Res SF to MF & Nonres
- Shift focus from NC to existing buildings, additions/alterations
- PV, batteries, HPs, VRF, pre-cooling
- Expand metrics to account for emissions



Symposium Goals (Placeholder)

- To support California's long-term climate action goals by encouraging building designers to use building energy modeling (BEM) tools.
- To provide a statewide framework that allows a single energy model to be used for (1) making design decisions, (2) proving compliance with the Energy Code, and (3) applying for utility-administered customer incentive programs.
- To provide a statewide framework that streamlines the evaluation and inclusion of new simulation capabilities into BEM tools.

What do you think?



Let's move on to a discussion of...

Updates on Software Efforts: **Software Roadmap**

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