

# California Commissioning Collaborative Advisory Council Meeting January 15, 2009



## Brainstorm Notes

This brainstorm was dedicated to exploring the CCC's opportunities for involvement in policy-making activities related to:

- California Public Utilities Commissioning
- California Energy Commission
- California State Initiatives
- Other Policy Drivers

The Advisory Council brainstormed technical, market and programmatic issues that impact CCC stakeholders and the California commissioning industry at large. These issues were categorized and prioritized by CCC Advisory Council and Board members. This prioritized list will be used to move forward in developing plans for the CCC policy initiative and other projects in 2009.

## CA Energy Usage Publications and Policy Drivers

- Climate Change Scoping Plan: ARB, Governor/Legislature
- Energy Action Plan: CPUC, CEC
- Integrated Energy Policy Report: CEC
- CA Long Term Strategic Plan: CPUC
- Building Codes & Standards: CEC
- Executive Order/Green Action Plan: Governor, CA Agencies

## Question to the Board: Does the CCC wish to *influence or respond* to policy? How?

Following are responses from Board and Advisory council members with proposed areas of focus:

- CA Long-term EE Strategic Plan
- Growth & implementation of policy that CCC helped establish
- Guide & implement directions from policy and market
- Drive policy – M & V standards (i.e.)
- Broader vision from narrow measure driven to comprehensive better buildings and high end optimization strategies.
- Influence policy – include Cx
- Drive policy – mandates => scale up
- Support policy that moves toward EE goals
- Leverage fed/state funding and proposed stimulus package, Comm. College curriculum, technology training
- Shift away from "widget" basis
- Building energy performance ratings
- Focus on system performance feedback loop and benchmarking by system
- Life cycle cost/benefit, non energy benefits and automating the process.
- Include a larger provider pool
- Align program efforts w/CPUC – CEC
- Evaluations
- Set best practices for programs
- Program cycle challenges
- Integration: EE, DR, RCx, renewables, etc.

## **Potential DSM-Related Policy Issues and Opportunities**

Attendees were asked to consider policy-related issues and opportunities within the framework of these five categories:

- Existing Buildings
- New Buildings
- Zero Net Energy Buildings
- LEED – or other EE Marker?
- DSM Programs

After listing potential issues that have relevance to the CCC (noted by category below), Advisory and Board members voted to determine an initial prioritization of the issues and opportunities (voting tabulation shown in parenthesis).

### Existing Buildings

Occupant comfort measures (5)  
Indoor Air Quality  
Mandated RCx – standardized process / requirements (4)  
Provider certification (2)  
Tenant/owner responsibilities/education/relationships (4)  
Daylighting controls  
System level / benchmarking (4)  
EE specs for leased spaces (green lease) tenant improvements  
Water (2)  
Acoustics  
Building life cycle (4) – educate, provide context

### New Buildings

Design phase Cx (1)  
Influence LEED – EE min. standards (5)  
Energy Star-rated buildings (3)  
Provider certification  
Code compliance (5)  
Early adopters of new tech. (1)  
Emerging technologies  
Metering in Codes and Standards (2) – whole building (6) / system level (2)  
Ongoing Cx – institutionalize (4)

### Standardization

Providers  
Technician roles / requirements (5)  
Standard Cx approach for small buildings by building type/use (4)  
Control sequences (6)  
Process for ranking (2) – processes, certifications, tools  
Best practices / performance metrics (8)  
Tools (2)  
Financial Tests and Tools (1) perhaps create matrix of various features  
Loading Order for Cx process (3)  
Savings calculations for M & V (9)

### Zero Net Energy

Define ZNE (3)  
Cx-related impacts in CAEESP (5)  
Milestones to 2030 (2)

### DSM Programs

RCx measure life (5)  
Systems approach vs. measures (7)

Impact evaluation issues – minimum data requirement (7)  
Integrating DR and RCx (5) / solar (0) / retrofit (2)  
Widget vs. systems – benchmarking (1)  
Smart grid/AMI – program parameters (2)  
Program design  
Emerging technologies (4)  
Codes & standards (4)  
Process/non-commercial buildings (1)

**Next Steps**

CCC consultants will review the results of the brainstorm, identify the top two or three items from each category and for the day; summarize/describe each, including a draft point of view position; and recommend next steps (research, position paper, drive policy, react, etc.). Where possible, they will identify upcoming opportunities to take action (meetings, rulemakings, etc.).

The next CCC meeting on March 18 will provide an opportunity for further thought and refinement of the prioritization of issues and articulation of the CCC's point of view.