CCC Policy Initiative
Proposed Next Steps

Presented by:
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POV Process

• January: Advisory Council brainstorm and prioritization of key policy issues

• March: Review of draft POV document; clarification of individual issues, support and CCC POV

• April-May: Incorporate AC comments; define and begin addressing next steps
POV Overview

Cx and RCx in Building Standards
• Require Building and/or System-Level Monitoring in Title 24 Standards for New Commercial Buildings.
• Improve Compliance with Title 24 Acceptance Test Requirements.

Short-Term CPUC Policy Opportunities
• Develop Standardized Approaches to Savings Calculations And Minimum M&V Requirements For Common RCx Measures.
• Improve Estimates of RCx Measure Life and Increase Savings Performance.
• Agree on Minimum Data Requirements for Impact Evaluation of DSM
POV Overview

Long-Term CPUC Policy Opportunities

• Demonstrate the Value of Continuous Monitoring and the Use of Performance Metrics for Major End Uses to Building Owners and Regulators.

• Encourage the CPUC to a Systems-Based Approach to Measuring and Incentivizing Complex RCx Projects at Large Facilities.

• Seek to Clarify Requirements and Incentives for Integrating DR, DG, Solar, and RCx Under Utility Programs Using a Sensible Loading Order.
POV Overview

Expand Cx Provider and Market Capacity
• Standardize Commissioning Technician Roles, Responsibilities, and Education and Training Requirements.
• Standardize HVAC System Control Sequences.

Overarching Topics
• Commissioning-Related Impacts in the California Long-Term Energy Efficiency Strategic Plan (CLTEESP)
• Commissioning for Occupant Comfort in New and Existing Buildings
Acceptance Testing Compliance

- Primarily an educational effort with policy support.
- CALBO Survey
- Savings By Design programs
- Coordinate with CCC PIER Project 6
- Advise CEC on 2011 Title 24 AT requirements
2011 Title 24 – Metering Requirements

- Coordinate with PG&E – planning CASE study on HVAC system metering
- Informal survey of RCx providers
- Leverage results from CCC PIER Project 4
- Review and summarize other metering standards and guidelines to inform proposal
Workforce Education and Training (WE&T)

CEC State Energy Program
- SEP Application submitted to DOE May 5, 2009
- Education Component = $20M
- Technical / vocational / apprenticeship focus
- Attended SEP workshop. Stressed importance of including training and career paths for Green Professionals also

CPUC Strategic Plan WE&T Group
- Released RFP for Needs Assessment
Financing

CA Long-Term EE Strategic Plan
• Finance Task Force (est. Summer 2009)

CEC ARRA Funding
• Potential financing options similar to AB 811 to encourage comprehensive retrofits.
• Possibly provide loan guarantees to reduce interest rates on bonds

Monitor RCx-related activities

• EE Measurement and Attribution Project
• AB 2021 Goal Status (POU Efficiency)
Demonstrate the Value of Continuous Monitoring and Performance Metrics

• Background search of ongoing best practices
• Prioritize and agree upon systems definitions and min metering requirements.
• Develop correlations with systems metrics and overall consumption for accuracy.
• Promote the use of standard systems monitoring internally and within member service territories
Encourage the CPUC to use a Systems-Based Approach

Combine previous task with development of whole building consumption based model.

• Promote model with CPUC regulators
• Determine CCC party status
• Write and review formal filings to CPUC dockets
  – Energy Division White Paper Proceeding: A08-07-021
  – Post comments on CPUC Public Review Roundtable Site.
• Comment on SBW HIM plan.
Integrating DR, DG, Solar and RCx

• Search integrated projects and case studies that differentiate savings and costs.
• Select and promote a model and features that best address issues.
• Develop case study or pilot utility or PIER projects that incorporate selected features.
Standardized Savings Calculations And Minimum M&V Requirements

• Background search for standardization and savings calculations
• Prioritize and select best practices based on research.
• Promulgate findings within CA utilities and at CPUC
Measure Life Estimates and Savings Persistence

- Background search of utilities and state agencies.
- Summarize current practices at CA utilities.
- Identify and agree upon possible improvements and goals.
  - Promote further research: PIER/CEC
  - Support implementation of changes via CPUC filings and comments.
Minimum Data Requirements for Impact Evaluation

- Identify Best Practices within CA and nationwide.
- Promote PIER research on minimum data requirements.
- Monitor and participate in ASHRAE short term metering study.
- Provide comments via CPUC Roundtable Site.
For More Information

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