Southern California Edison’s RCx Programs

Mugi Lukito
(Southern California Edison)
California Commissioning Collaborative Meeting
November 6, 2008

California Long Term Energy Efficiency Strategic Plan (CLTEESP)

• California’s road map to long term energy efficiency
• Development of CLTEESP led by the CPUC (finalized in Sep ’08)
• Available on: www.californiaenergyefficiency.com

The CLTEESP looks at Commissioning (Cx) and Retrocommissioning (RCx) as part of the strategies to reach Zero Net Energy (ZNE) Goals of:
• 50% of existing non-residential buildings equivalent to ZNE by 2030
• 100% of new non-residential buildings achieving ZNE by 2030
SCE’s Cx and RCx CLTEESP Objectives

Through their EE Programs, Investor Owned Utilities (IOUs) are tasked with:

• Leading the effort of validating of building performance goals through Cx and RCx

• Using benchmarking to identify the best candidates for RCx and promote whole-building approaches and incentives

• Collaborating with other entities such as the CPUC, CEC, CCC, National Labs, and building industry to develop RCx tools and strategies to further reduce energy consumption

• Strengthening tools and practices for Cx and RCx activities

• Including agricultural and government facilities in Cx and RCx activities

SCE’s 2006-08 RCx Program

• Third-party managed (Portland Energy Conservation, Inc.)

• Currently working with 65 facilities (avg savings of 340,000 kWh & 26 kW per facility)

• Pays for audit and implementation incentives for measures with >1 yr payback

• Customer must implement all measures with <1 year payback
SCE’s 06-08 Partnership Programs

- **UC/CSU/IOU** – 2006-2008 – 11 Facilities will have achieved 5,300,000 kWh and 554 kW. Comprehensive approach for MBCx. Utility grade meters used in bldgs >100k sq. ft.
- **Community Colleges** – MBCx Express for bldgs <50,000 sq.ft. using metered data with emphasis on optimization of EMS systems & scheduling to achieve savings
- **Los Angeles County** – 2004-2008: 37 facilities, 5.5 million sq.ft will have achieved 20 million kWh by using comprehensive methods of RCx to optimize lighting controls and HVAC systems
- **Future Opportunities** - State Courthouses, and large County owned municipal buildings. Retro-commissioning focused on optimization of lighting control and HVAC systems

SCE’s Proposed 09-11 RCx

- Two Monitoring Based Commissioning (MBCx) Programs, third party managed
- SCE is soliciting for additional RCx providers through the SCE managed program (separate from the two MBCx Programs)
- Solicitation expected to go out in March 2009
- Partnership RCx offerings expected to remain similar, with better coordination with RCx Program
Bridge to 09-11 Cycle

- The 09-11 cycle will not start until CPUC decision is out (mid 2009?)
- For the existing RCx Program, finish out pending work in the bridge funding period
- No new facilities to be added to the RCx program in the bridge funding period

RCx Goals for 09-11

- Rethinking the incentive model due to slowdown in the economy
- Striking a balance between program cost and benefits
- Emphasizing projects rich in kW reduction (e.g., providing incentives for kW savings on top of kWh savings)
- Integrating benchmarking tools into selection of participants
- Furthering coordination between RCx Program and Partnership RCx activities
- Developing standardized tools and best practices for RCx in collaboration with other organizations
SCE RCx Contacts

Mugi Lukito
Program Manager
Southern California Edison
(626) 633-3128
Lukitom@sce.com

Tony Thacher
Program/Contracts Manager
Southern California Edison
(626) 633-3484
Tony.Thacher@sce.com