



California Commissioning Collaborative

# California Commissioning Collaborative Advisory Council Meeting

*October 22, 2009*





# Agenda

9:30 a.m.	Welcome, Introductions and Announcements	Don Frey, CCC Advisory Council Chair
9:45 a.m.	Summary of recent report <i>“Building Commissioning: A Golden Opportunity for Reducing Energy Costs and Greenhouse Gas Emissions”</i> By Evan Mills (LBNL)	Eliot Crowe, CCC Research Program Manager
10 a.m.	AEC / DGS work on new construction program	Don Frey
10:45 a.m.	BREAK	
11 a.m.	Update & Discussion on incorporation of Cx into California’s Green Building Standard	Dan Burgoyne, Department of General Services
11:45 a.m.	LUNCH (Provided)	
12:45 p.m.	CCC Title 24 Project Updates	Kirstin Pinit, CCC Program Manager
1 p.m.	CCC PIER - Projects update and discussion ('PAC Meeting')	Eliot Crowe, CCC Research Program Manager Beth Chambers, CEC Contract Manager
2 p.m.	"Arden Access" Ongoing Cx tools and implementation plan	James Bryan, Arden Realty Michael Putich, Climatec
2:45 p.m.	Wrap-Up	Don Frey
3 p.m.	Advisory Council Meeting Adjourns	

# Introductions & Announcements

## Summary of report:

***“Building Commissioning: A Golden Opportunity for Reducing Energy Costs and Greenhouse Gas Emissions”*** by Evan Mills (LBNL)

**- selected slides from author’s presentation**

*Eliot Crowe, PECl*

# AEC / DGS work on new construction program

*Don Frey*

# Break

10:45 – 11 a.m.

# Update & Discussion on incorporation of Cx into Green Building Standard

*Dan Burgoyne*

## Lunch

11:45 a.m. – 12:45 p.m.

# CCC Project Overview: Design-Phase Cx in T24

*Kirstin Pinit*

## CCC – Title 24 Activities Update

### Training for Building Inspectors

- ~2 hour demo of equipment, test procedures and results
- ~1.5 hour instruction on acceptance test
- Participants
  - CCC: Develop curriculum (Jon McHugh)
  - SMACNA: Provide training venue and conduct demos
  - CALBO: Market training to building inspectors

### Outreach to Building Departments

- CCC developing an “Acceptance Testing Field Guide”
- Work with CALBO to distribute

# CCC – Title 24 Activities Update

## Commissioning Requirements in Title 24

- Objectives:
  - Impact energy efficiency and optimized building operations
  - Encourage Cx best practices
- Key Considerations:
  - Align with concurrent code development efforts (e.g. CA Green Building Standard)
  - Identify alignment between design-phase Cx activities with acceptance testing requirements
  - Analyze feasibility of compliance/enforcement mechanisms
- Participants
  - Project guidance from Randall Higa (SCE), Martha Brook and Tav Commins (CEC)
  - CCC Staff to lead, with input from Advisory Council and other industry stakeholders

# CCC PIER - Projects update and discussion (**'PAC Meeting'**)

**Building Commissioning: Strategies & Technologies  
for Energy Efficiency**

*Eliot Crowe*

# "Arden Access" Enterprise Building Automation System

*James Bryan, Arden Realty*

*Michael Putich, Climatec*

## Wrap Up

Next Meeting: Thursday, March 25

Location: Sacramento

Host: SMUD

## Agenda Topics

- Update/status of PIER research program
- Other Topics of Interest

## Tentative 2010 Meeting Schedule

<b>Date</b>	<b>Host</b>
March 25	SMUD
June 10	SCE
Sept. 16	PG&E
Dec. 2	Sempra (SoCal Gas)

## Adjourn

*Thanks to San Diego Gas & Electric  
for hosting the meeting today!*