California Commissioning Collaborative
Meeting Minutes

July 18, 2013
Pacific Energy Center
851 Howard Street, San Francisco, CA, 94103
Hosted by Pacific Gas & Electric

Attendees

Advisory Council
Greg Cunningham, Enovity, Inc.
Erik Emblem, JCEEP
Reinhard Seidl, Taylor Engineering

Board of Directors
Mangesh Basarkar, PG&E
Randall Higa, SCE
Cindy Smith, SDG&E
Glenda Towns, SoCalGas

CCC Staff
Eliot Crowe, CCC
Brenda Hopewell, CCC
Kirstin Pinit, CCC
Amanda Potter, CCC

Guests
John Allen, Valley Mechanical Corp.
Mike Anderson, Newcomb Anderson McCormick
Andy Bayowski, kW Engineering
Rosemary Bryan, Eichler Associates, Inc.
Richard Caldwell, Caldwell Mechanical Construction
Kent Dahlquist, KEMA
Joseph Deringer, Building Science Analytics
Erik Dyrr, DNV KEMA
Gary Fabian, G L Fabian, Architect
Mary Follenweider, Eichler Associates, Inc.
Lyn Gomes, kW Engineering
Jeff Guild, Enovity, Inc.
Phillip Haves, LBNL
Erik Koeppel, Enovity, Inc.
Daniel MacRostie, EMCOR
Paul Mathew, LBNL
Michael McNulty, RetroCom
David Nagle EnerNOC
Mark Ouellette, ICFI
James Page, TABB
Leonard Rozek, E Cube, Inc.
Mike Schwonke, Southern California Edison
Ryan Stroupe, PG&E Pacific Energy Center
Rick Williams, CommEnergy
Judy Wong, RetroCom

Welcome, Introductions, and Announcements
Amanda Potter called the meeting to order at 9:00 a.m. Attendees introduced themselves.

Ms. Potter notified attendees of the recent National Conference on Building Commissioning, and shared the web address where presentations may be downloaded.
Mr. Deringer presented an overview of the BECxC, covering the origins of the organization and its objectives. The presentation included a brief overview of the importance and the scope of envelope commissioning.

Presenters each gave an overview of the RCx programs in their territory, highlighting some of the key program features. Presentations included some discussion of program design elements that had changed from prior program cycles and the reasons for those changes.

Ms. Potter provided a brief overview of current RCx programs designs being implemented in California and across the U.S. The summary was compiled from web research, phone, and email correspondence, and covered 16 programs. With this context, Ms. Potter facilitated a discussion on four program design elements: Incentive structure, Recruitment, Persistence, and Tools.

For each topic area, Ms. Potter provided a brief summary of design issues and options and then lead discussion around several key questions (refer to presentations for details).

Mr. Seidl presented an overview of ASHRAE’s Standard 202 for new construction commissioning, which will be released shortly. The new standard defines minimum requirements for commissioning, in contrast to ASHRAE’s commissioning guidelines which outline best practice approaches.

Mr. Seidl gave a brief presentation and performed a live demonstration of version 3.0 of the Universal Translator data analysis tool, which will be released shortly. The presentation provided an overview of new features and modules that have been added, as well as details on programming changes that increase analysis speed.

Mr. Mathew gave a brief presentation and performed a live demonstration of the U.S. DOE’s Buildings Performance Database, which is a public portal for analyzing and charting data for
thousands of commercial and residential buildings. The database can be used to evaluate the impact of energy efficiency upgrade features/technology.

**Energy IQ Action-Oriented Benchmarking Tool: Overview of the latest version**  
*Paul Mathew, Lawrence Berkeley National Laboratory (LBNL)*

Mr. Mathew gave a brief presentation and performed a live demonstration of the EnergyIQ online tool, which has recently been updated. The tool can be used to benchmark a building based on many different input factors, and the user has flexibility in selecting the comparison dataset. The tool can also be used to track monthly energy use against specified benchmarks.

**Title 24 Acceptance Testing: Certification requirements for performing testing**  
*James Page, Testing, Adjusting, and Balancing Bureau (TABB)*

Mr. Page presented an overview of the recently-introduced requirement that Title 24, Part 6, Acceptance Testing only be conducted by certified practitioners. The requirement has been introduced by the California Energy Commission, who has specified accreditation requirements for any organization wishing to become a certifying body.

**Wrap up**  
The meeting adjourned at 3:00 p.m.