California Commissioning Collaborative

Description of Prospective Projects

CCC Administration and Meetings
Administrative tasks include organizing and facilitating regular CCC meetings, developing an organizational structure for the CCC, establishing and managing funding contracts, and developing scopes of work. The CCC expects to hold four meetings in 2003: January, April, July and October.

1. Demonstration Projects and Case Studies
The remaining tasks for this project include the following:
• Creating an on-line database to collect and store commissioning project data. This project is being funded by PG&E and managed by PECI. CRdeizgn has been subcontracted to build the database.
• Recruiting building owners to populate the case study database. FEMP has funded part of this project.
• Performing cost/benefit analysis on selected projects.
• Developing a technical report and four marketing case studies (2 to 4 pages).

2. Commissioning Provider Qualifications
The CCC will establish a list of preferred characteristics and qualifications for commissioning providers that will be posted on the CCC website. An on-line application will be developed to allow providers to submit their qualifications and be posted to the CCC list of preferred providers. The CCC will also recommend a process for selecting commissioning providers and a plan for reviewing the qualifications list and list of providers annually.

3. Training Needs & Educational Strategy
The CCC will research the training needs of building owners, providers and contractors and the existing training programs for these audiences. The CCC will then establish criteria for CCC-approved training, develop a commissioning educational strategy for the California market, and recommend existing and new training programs to fulfill the training needs. FEMP has funded part of this project.

4. Update and Maintain Website
The CCC will expand and possibly reorganize the website to provide maximum utility to users. Expected users are: members who will use the site to access meeting information and review documents, commissioning providers who will post their information, download resources and event schedules, and owners who will download resources and events and access information on commissioning providers.
5. Persistence Study
The CCC will develop an analytical framework for studying the persistence of commissioning benefits. This framework will outline the data that needs to be collected in order to study commissioning benefits, how the Commissioning Case Study Database will be used to collect this data, and how the data will be analyzed to assess whether commissioning has persisted. The study will assess the benefits of commissioning by looking at overall building energy use and of individual commissioning measures. The methodology set forth will be tested using 6 buildings retrocommissioned at least 2 years ago, and these buildings will be entered into the Case Study Database as a part of the development of the data collection methodology.

6. RCx Screening Tool
Building owners in California need guidance on which of their buildings are the best candidates for retrocommissioning. In an effort to address this need, the CCC will study existing building screening tools in the marketplace and develop a standardized building screening tool. The CCC advisory board will discuss whether this tool should be expanded to guide owners on how to address all of their existing buildings.

7. Strategic Plan
The CCC is now planning on developing a five to ten year strategic plan. The strategic plan will include strategic goals, strategies to meet each goal, and performance indicators for each goal. Development of a strategic plan will involve preparing for and conducting a CCC brainstorming meeting, developing a draft strategic plan for review based on the results of the brainstorming meeting, conducting a second CCC meeting to review the draft strategic plan, and revising the strategic plan based on input from CCC stakeholders. Stakeholder discussion is needed on whether the level of effort for this task is appropriate.

8. PIER On-Line Library
This project will involve developing an on-line library of commissioning-related, PIER-funded documents. Quarterly news briefs will also be developed to communicate the most up-to-date information in the commissioning industry. Finally, the project will include an avenue for information exchange between the PIER research programs and the CCC to help PIER direct research efforts to products that will be immediately useful in the growing commissioning industry. PIER is funding this project, PECI is completing the work.

9. Model of California Commissioning Market
The goals and scope of this project have not been determined. Mary Ann Piette and Phil Welker will present two alternatives during the advisory board meeting.

10. Design Intent Tool
This scope of work has been funded by PG&E and is being completed by CTG.