

UC / CSU / IOU Statewide Energy Efficiency Partnership

AN OVERVIEW

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Program Objectives

- **Immediate Cost-Effective Energy Savings, Offsetting Rising Costs of Utility Bills**
- **Improved Energy Efficient Operations and Maintenance Practices**
- **UC/CSU Energy Managers Trained To Identify and Implement Energy Efficient Opportunities, to Meet University Sustainability Goals**
- **Showcase Partnership Model**

Program Elements

- **Energy-Efficiency Retrofits**
- **Monitoring-based Commissioning**
- **Energy Efficiency Education and Best Practices Development and Training**

Program Management

- **Executive Committee – IOU EE Program Managers, UC, CSU**
- **Management Committee**
- **Program Teams**
 - **Monitoring-based Commissioning**
 - **Training & Education**

Key Features

- **The program has been a tremendous opportunity to lower operating cost and achieve permanent load reduction by improving energy efficiency in facilities; there has long been a shortage of funds to complete energy projects**
- **A number of unique and innovative programs have been developed, including:**
 - **Training and education classes for campus staff which have resulted in over 1,300 person days to-date of specialized energy management training.**
 - **The development of an innovative monitoring-based commissioning program which will result in on-going sustained and increasing energy savings in system maintenance.**



Key Features (cont'd)

- Participation will assist UC in complying with the Regents Sustainability Policy to reduce energy consumption by 10% by 2014.
- The Program is an opportunity to directly access public-goods funds on a large scale through a proven and efficiently operated program.
- \$15 million of IOU project funding has been made available during 2005-2005 and up to \$45 million is slated for the 2006-2008 cycle.

Management Team Role

- Sets budget and targeted savings for each program area
- Establishes administrative structure among utilities, UC Office of the President, CSU Chancellor's Office, campuses, and subcontractors
- Resolves key issues presented by Program Teams
- Approves hiring of subcontractors, based on Team recommendations
- Oversees program administration – budgeting, timekeeping, invoicing, reporting, contract administration
- Coordinates with CPUC



Summary of Results – '04-'05 cycle

- Total of 60 projects at 10 UC and 19 CSU campuses
- Total cost \$15 million
- Savings exceeded projected goals by over 20%
 - 3,520 kW
 - 23,496,192 kWh
 - 1,116,948 th
- Projects delivered within budget

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- **Provides both management and technical oversight to all phases of the program**
 - Facilitates communication between the partners
 - Coordinates and runs management and support committee meetings
 - Directs program budgeting, deliverables and schedules
 - Provides oversight and tracking of program milestones and schedules
 - Continuously reviews and streamlines program processes to facilitate progress and expedite decision making
 - Provides assistance to campuses for program implementation, engineering, oversight of retrofit, new construction and commissioning project implementation, and technical expertise in identifying future opportunities
 - Assists IOUs with CPUC reporting and regulatory communications



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- **Dedicated to the field of energy efficiency for over 20 years**
 - John M. Newcomb – Principal
 - Michael K.J. Anderson, P.E. – Principal
 - Ann L. McCormick, P.E. - Principal

