

June 19-22, 2005

HIGHER EDUCATION ENERGY EFFICIENCY PARTNERSHIP – BEST PRACTICES PROPOSAL FORM

CONTACT INFORMATION

Contact Name/Title: Mark A Hunter, Director of Facilities Services

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Department: Facilities Services

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PROJECT CATEGORY (See attached project category descriptions)

New Construction/Major Rehabilitation (Project must have completed final design after January 1, 2002 and before January 1, 2005)

Energy Efficient Operations

- Innovative Control & Operations
- ✓ Load Management (e.g. Electric Demand Responsiveness, Thermal Energy Storage, etc.)
- Energy Information System/Monitoring-Based Commissioning
- Student Energy Conservation Projects

PROJECT/PRACTICE INFORMATION

Project/Practice Location: Performing Arts Center and Central Plant

Project/Practice Name: Relocate Chillers

Project/Practice Descriptions:

Relocate two chillers originally installed at Performing Arts Center. Move Chillers to Central Plant. Connect to campus chilled water distribution loop

Describe the features of the project or program that make it a best practice of potential interest to other campuses—e.g. replicability, innovation to control implementation cost, etc.:

The Performing Arts Center was originally built with two stand alone 300 tons chillers for cooling. Given the unusual hours of Center operation, the chillers often stayed idle. At the same time, the campus had increased in size, with a commensurate increase in chilled water demand. We developed a project to re-locate the Performing Arts Center chillers to the central plant and

connect to the campus distribution loop. We also connected the Performing Arts Center to the loop.

For only the cost of relocation, we have increased capacity of the central campus while continuing to provide service to the Performing Arts Center. The Central Plant is now more efficient, can serve more customers on campus, we have avoided adding package units as campus expanded

Approximate Implementation Cost (if any): \$599,000.00

Estimated Annual Energy Cost Savings: \$15,112.00

Any additional information for the selection team to consider:

151,1221 Kw avoided.

Please provide above information in sufficient detail to assist the selection team in understanding and evaluating the project. Supplemental information (8 ½ x 11 format) in the form of photos, drawings, etc. may also be submitted.

SUBMISSION DIRECTIONS

Please submit project proposals by Friday, April 15th to:

Maric Munn, P.E.

University of California, Office of the President

1111 Franklin Street—6th Floor

Oakland, CA 94607

Email: Maric.Munn@ucop.edu

Fax: (510) 987-0752