

PERALTA COMMUNITY COLLEGE DISTRICT
Board of Trustees Agenda Report
For the Trustee Meeting Date of March 27, 2012

ITEM #34

ITEM TITLE:

Consider Approval to Apply for a PG&E Zero Net Energy Pilot Program Grant for Technical and Design Assistance for the Laney Sustainability Center

SPECIFIC BOARD ACTION REQUESTED:

Approval is requested to apply for a PG&E Zero Net Energy Pilot Program Grant for Technical and Design Assistance for the proposed Laney Sustainability Center. The maximum amount of the grant is \$300,000.

ITEM SUMMARY:

The Zero Net Energy Pilot Program is a PG&E grant program that will provide detailed technical assistance, design assistance, performance evaluation and possible cost sharing for projects that:

- Have aggressive energy efficiency goals and plan to have on-site renewable generation
- Are grid-tied and served by PG&E
- Have an energy performance target of at least 50% beyond Title 24 requirements

Zero net energy means that the amount of energy conserved, through efficient building design and occupant behavior, combined with onsite renewable energy production does not exceed the amount of energy that the building consumes from the grid (i.e., in this case, PG&E supplied energy).

The grant would be used for the proposed Laney College Sustainable Building Center. The funding provided under this grant would be used to provide design and technical assistance through firms selected by PG&E. The firms would work in coordination with the District project design team. A grant would be beneficial to the District by significantly reducing the design costs for the Laney College Sustainability Center in the immediate term and our energy costs over the long term. The District submitted a placeholder application for this grant on March 15, 2012. Additional documentation must be submitted in order to complete the application. It is anticipated that the grants will be awarded at the end of this year. Board approval of the grant application submittal is requested.

SOURCE OF FUNDS (AND FISCAL/BUDGETARY IMPACT):

Submission of the grant application does not obligate the District financially. If the grant is awarded and accepted, the District is obligated by terms of the grant to commit funds for the project. The District has engaged a consultant to prepare a construction cost estimate.

BACKGROUND/ANALYSIS:

The Laney Sustainability Center, which is in the conceptual stage, will serve as a comprehensive training center and showcase for energy efficiency and sustainability. It will include classrooms and laboratories for student studies in energy efficiency/renewables technologies and sustainable building methods. The total square footage for the center will be approximately 5,000, with a total assignable square footage (ASF) of approximately 4,000. The center will consist of two buildings, a 2,000 ASF demonstration home and a 2,000 ASF multi-purpose/exhibit hall to provide additional classroom or meeting space for multiple departments. Fulfilling the “living classroom” concept, the structures will be designed and constructed in a collaborative process among the departments of Carpentry, Environmental Controls Technology, Architecture, Electricity and Electronics, and Construction Management. The project will serve as an interdisciplinary design-build project and provide an experiential process for students. Once completed, the living classrooms will serve as ongoing testing labs for energy efficiency, electric, HVAC and solar installation courses. The center will be built to meet certification mandates of the Living Building Challenge. Among other stringent qualifications, the Living Building Challenge mandates zero net energy project performance and elevates sustainability requirements beyond LEED Platinum certification.

DELIVERABLES/SCOPE OF WORK:

The PG&E Zero Net Energy Pilot Program grant would provide detailed technical assistance, design assistance, performance evaluation and possible cost sharing for the Laney Sustainability Center.

ANTICIPATED COMPLETION DATE:

The placeholder application was submitted to PG&E on March 16, 2012. It is anticipated that the grants will be awarded by the end of this year.

ALTERNATIVES/OPTIONS:

Not applicable.

EVALUATION AND RECOMMENDED ACTION:

Approval is recommended to apply for a PG&E Zero Net Energy Pilot Program Grant for Technical and Design Assistance for the proposed Laney Sustainability Center.

OTHER DEPARTMENTS IMPACTED BY THIS ACTION (E.G. INFORMATION TECHNOLOGY):

YES _____ No X

COMMENTS:

No additional comments.

WHO WILL BE PRESENTING THIS ITEM AT THE BOARD MEETING? (VICE CHANCELLOR)

Vice Chancellor Ikharo

(****Board contract approval is subject to negotiation and execution by the Chancellor.)

DOCUMENT PREPARED BY:

Prepared by: Dr. Sadiq B. Ikharo Date: March 22, 2012
Vice Chancellor for General Services

DOCUMENT PRESENTED AND APPROVED BY:

Presented and approved by: Dr. Sadiq B. Ikharo Date: March 22, 2012
Vice Chancellor for General Services

FINANCE DEPARTMENT REVIEW

Finance review required Finance review *not* required

If Finance review is required, determination is: Approved Not Approved

If not approved, please give reason: _____

Signature: Ronald Gerhard Date: 3-23-12
Ronald Gerhard, Vice Chancellor of Finance

GENERAL COUNSEL (Legality and Format/adherence to Education Codes):

Legal review required Legal review *not* required

If Legal review is required, determination is: Approved Not Approved

Signature: _____ Date: _____
General Counsel

CHANCELLOR'S OFFICE APPROVAL

Approved, and Place on Agenda Not Approved, but Place on Agenda

Signature: Wise E. Allen Date: 3-23-12
Wise E. Allen, Chancellor