

PERALTA COMMUNITY COLLEGE DISTRICT
Board of Trustees Agenda Report
For the Trustee Meeting Date of April 13, 2010

ITEM # 25

ITEM TITLE:

Request approval of application procedures for a pre-proposal to the National Science Foundation Advanced Technology Education (ATE) Initiative requesting \$3,000,000 for a 4-year Regional Center grant.

SPECIFIC BOARD ACTION REQUESTED:

Request approval for Laney College to submit a pre-proposal to serve as a National Science Foundation Advanced Technology Education (ATE) Regional Center in Environmental Control Technology. The amount to be funded is \$3,000,000 for a 4-year grant. If funded as a Regional Center, Laney's efforts will focus on curriculum development, resource dissemination, and regional and national education and training in sustainable building operations, maintenance, and retrofits of residential and commercial buildings.

ITEM SUMMARY:

The \$3,000,000 4-year NSF ATE Regional Center grant will:

- Serve as a clearinghouse for best practices in career & technical education, curriculum development, and lab standards for energy efficient operations, maintenance, assessment, and retrofits in residential, light commercial and commercial buildings. This includes:
 - Develop a series of dissemination workshops for community colleges nationwide;
 - Develop a national network of HVAC and energy efficiency instructors;
 - Develop curriculum modules and problem-based learning scenarios in energy efficient building operations, maintenance, assessment, and retrofits;
 - Disseminate curriculum from the Physics for Building Science summer high school program;
 - Develop extensive partnerships with industry associations to deliver education and training options to incumbent workers;
 - Partner with 4-year institutions to develop articulation agreements and new career pathways in green technical careers;
 - Offer its commercial HVAC and building automation lab as a research facility to industry and 4-year institutions.

The pre-proposal is an opportunity to receive feedback from NSF advisors about the viability of the proposed grant activities. The pre-proposal requirements are less comprehensive than the requirements for a full proposal. The full proposal is due October 21, 2010.

BACKGROUND/ANALYSIS:

The Environmental Control Technology (ECT) program is currently operating in its second year of an NSF ATE project grant titled "Educating Technicians for Building Automation and Sustainability." The program has received excellent reviews from the external evaluator and has been encouraged to embark on a Regional Center grant as a next step. The Regional Center will leverage the expertise, recognition, and leadership developed as part of the previous and currently funded NSF project grants as well as the new grant-initiated Oakland Green Jobs Corps and Building Performance and Energy Efficiency certificate which focus on the residential and light commercial sector.

ALTERNATIVES/OPTIONS:

None

EVALUATION AND RECOMMENDED ACTION:

APPROVAL

SOURCE OF FUNDS (AND FISCAL/BUDGETARY IMPACT):

NATIONAL SCIENCE FOUNDATION -- CATEGORICAL FUNDS -- NO FISCAL IMPACT

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

YES _____ **NO** XX

COMMENTS:

WHO WILL BE PRESENTING THIS ITEM AT THE BOARD MEETING?

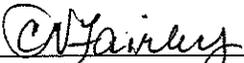
Vice Chancellor Wise Allen, Educational Services

DID A BOARD STANDING COMMITTEE RECOMMEND THE ITEM? YES _____ NO X
_____ IF "YES", PLEASE INCLUDE THAT INFORMATION IN YOUR SUMMARY.

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

PLEASE ACQUIRE SIGNATURES IN THIS ORDER:

DOCUMENT APPROVED BY:

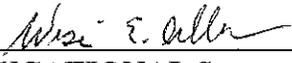

CARMEN N. FAIRLEY

Date: 4/6/10

Date: _____

JEANETTE DONG

DOCUMENT PRESENTED AND APPROVED BY:

Presented and approved by: 
DR. WISE ALLEN, VICE CHANCELLOR, EDUCATIONAL SERVICES

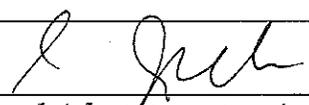
Date: 4/6/10

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: 
Finance and Administration Approval

Date: 4/7/10

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

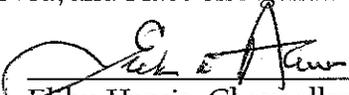
Signature: _____
Thuy T. Nguyen, General Counsel

Date: _____

CHANCELLOR'S OFFICE APPROVAL

Approved, and Place on Agenda

Not Approved, but Place on Agenda

Signature: 
Elihu Harris, Chancellor

Date: 4/6/10