

PERALTA COMMUNITY COLLEGE DISTRICT
Board of Trustees Agenda Report
For the Trustee Meeting Date of March 29, 2011

ITEM # 25

ITEM TITLE:

Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES) Grant

SPECIFIC BOARD ACTION REQUESTED:

Consider approval for Peralta Community College District to submit a Letter of Intent (LOI) to apply for the TUES Grant

ITEM SUMMARY:

The Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics (TUES) program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. Thus transferability and dissemination are critical aspects for projects developing instructional materials and methods and should be considered throughout the grant. The program supports efforts to create, adapt, and disseminate new learning materials and teaching strategies to reflect advances both in STEM disciplines and in what is known about teaching and learning. It funds projects that develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, prepare K-12 teachers, or conduct research on STEM teaching and learning. It also supports projects that further the work of the program itself, for example, synthesis and dissemination of findings across the program and projects representing different stages of development, ranging from small, exploratory investigations to large, comprehensive projects. Grants range from \$200,000 to \$5 million.

BACKGROUND/ANALYSIS:

The goals of this program reflect national concerns about producing skilled STEM professionals and citizens knowledgeable about STEM and how it relates to their lives. The program seeks to build on the community of faculty committed to improving undergraduate STEM education. Application Closing Date May 27, 2011

ALTERNATIVES/OPTIONS:

EVALUATION AND RECOMMENDED ACTION:

SOURCE OF FUNDS (AND FISCAL/BUDGETARY IMPACT):

National Science Foundation

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

YES _____ NO _____

COMMENTS:

WHO WILL BE PRESENTING THIS ITEM AT THE BOARD MEETING?

Vice Chancellor Deborah Budd

DID A BOARD STANDING COMMITTEE RECOMMEND THE ITEM? YES _____ NO X

_____ **IF "YES", PLEASE INCLUDE THAT INFORMATION IN YOUR SUMMARY.**

PLEASE ACQUIRE SIGNATURES IN THIS ORDER:

DOCUMENT PREPARED BY:

Prepared by: Carmen N. Fairley Date: 3/24/11
Carmen N. Fairley, Staff Services Specialist

DOCUMENT PRESENTED AND APPROVED BY:

Presented and approved by: [Signature] Date: 3/24/11
Deborah Budd, Vice-Chancellor of Educational 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: Ron Gerhard electronically by re Date: 3/24/11
Ron Gerhard, Vice Chancellor for Finance and Administration

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: _____
Thuy T. Nguyen, General Counsel

CHANCELLOR'S OFFICE APPROVAL

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

Signature: Wise E. Allen Date: 3/24/11
Wise E. Allen, Chancellor