

PERALTA COMMUNITY COLLEGE DISTRICT
Board of Trustees Agenda Report
For the Trustee Meeting Date of April 21, 2009

ITEM # 8

ITEM TITLE:

Consider Approval of Interactive Learning Environment Technology Design Standards (Smart Classrooms)

SPECIFIC BOARD ACTION REQUESTED:

Approval is requested for the Interactive Learning Environment Technology Standards (ILETS), also known as smart classroom technology.

ITEM SUMMARY:

The District and WLC Architects, Inc. have been conducting meetings over the past several months to collaborate and discuss the conceptual and design parameters of the Interactive Learning Environment Technology Standards (ILETS). The purpose of the meetings was to develop the District's definition of the ILET classroom and to develop ILET standards which will be used in construction and modernization of the District's facilities.

To comply with the District's shared governance principles, an Ed Tech committee was formed comprised of representatives from all colleges, the District IT Department, and the District's administrative staff. The purpose of the committee was to provide detailed input on the multitude of functions, uses, needs and concerns of all stakeholders in the educational environment. A performance matrix was developed, which was shared with colleges and administrative staff for comments. Based on input received, the standards were finalized and cost estimates were developed. The Ed Tech Committee reviewed and approved the resulting Interactive Learning Environment Technology Standards Performance Matrix, which is attached and presented for Board approval.

BACKGROUND/ANALYSIS:

As part of the previously approved Modernization and Short-Term projects, twelve classrooms will be renovated at Laney College utilizing the new design standards. The Department of General Services will work with the IT Department to maintain the audiovisual equipment for the smart classrooms. Administration will be responsible for training faculty to use the equipment. The modalities of faculty training on how to utilize the various equipment will be worked out between the relevant curriculum committees and the administration.

ALTERNATIVES/OPTIONS:

Not applicable.

EVALUATION AND RECOMMENDED ACTION:

Approval is recommended for the Interactive Learning Environment Technology Standards (ILETS), also known as smart classroom technology.

SOURCE OF FUNDS (AND FISCAL/BUDGETARY IMPACT):

Not applicable.

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 Ikhara

DID A BOARD STANDING COMMITTEE APPROVE 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: Sadiq B. Ikharmo Date: 4-13-09
Dr. Sadiq B. Ikharo
Vice Chancellor of General Services

DOCUMENT PRESENTED BY:

Sadiq B. Ikharmo Date: 4-13-09
Dr. Sadiq B. Ikharo
Vice Chancellor of 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: Thomas Smith Date: 4-14-09
Thomas Smith
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: Elihu Harris Date: 4/15/09
Elihu Harris, Chancellor



LEVEL - 1

LEVEL - 2

LEVEL - 3

Component Description

Projected Media

Ceiling Mounted Projector with Swivel Mount

● ● ●

Multiple Ceiling Mounted Projectors

DVD / DVR Player Device

● ● ●

Permanent Wall Mounted Projection Screen

● ● ●

Multiple Permanent Wall Mounted Projection Screens

●

Ceiling or Wall Mounted Flat Screen Monitor (Minimum size 65" to 80")

●

Multiple Wall Mounted Flat Screen Monitors (Minimum size 65" to 80")

●

Image Capture Technology

Interactive Digitizer Pad with Document Camera

● ● ●

Large Format Capture Technology - ("Smart Board")

● ● ●

Video & Audio Conferencing for Interaction across Media.

●

Video Streaming for Distance Learning

●

Video Cameras with Smart Tracking (Pads or Transponders)

●

Lighting / Daylight Controls

Wall Switch Lighting Control

●

Scene Selection for Lighting

●

Spot lighting Effects

●

Manual Window Shades Control (Mecho Shades with edge track guides)

●

●

Automatic Window Shades Control

●

●

Media Controls

Wall Mounted Media Selection Controls and Component Patching Faceplate with Wireless Remote

●

Instructional Podium Controls with Component Patching or Recessed Wall Media Equipment Bay with Media Touch Controls with wireless Remote

●

Centralized Controls for all Media, Lighting & Automatic Window Shades: Instructional Podium Controls or Multiple Recessed Wall Media Equipment Bays with Multiple Wireless Remotes

●

Sound Systems

Four Speaker Audio System with Wireless Microphone.

●

Six Speaker Audio System, with Wireless Microphone and Transmitter with Receivers for Assitive Listening

●

Eight Speaker Audio System and sound mixer, with Multiple Wireless Microphones, Loop-Back Speaker System and Transmitter with Receivers for Assitive Listening

●

Technology Infrastructure

Local Area Network/ Wireless Lan Network with Internet Connection

● ● ●

Cable Television with VOIP - Voice over IP (supports conferencing & future communications).

● ● ●

Data Outlets for (8) Student

● ● ●

Proximity Security Devices for ILET Rooms

● ● ●

Power Receptacles for (15) Students

● ● ●

Furniture & Equipment

Modular Furniture with Casters for Flexibility

● ●

Specialized Furniture with Power & Data

●

Locking Cabinetry with power supply for Laptops, Remotes, etc.

●

●

Laptops for Classroom use with Cart

●