

PROJECT PROGRESS REPORT CHABOT-LAS POSITAS CCD

Information Technology Equipment April 1, 2012



Equipment Categories of Hardware and Software:

Desktop & laptops
Network switches & routers
Network monitoring tools
Video conferencing
Generators & UPS
Room Scheduling Software
Document Imaging
System Redundancy
Tape Backup

Printers
Servers
Wireless connectivity
Streaming media
T-1, DS-3, & Opt-E-Man
Portal Software
Firewalls
Smart Classrooms
Consolidated Server Storage

IT Projects and Major Accomplishments as of January 2012:

➤ Purchase and install Generator and new UPS for Server Room at Chabot in Building 300 after building renovations are completed

- Chabot Building 300 renovations were completed in December 2011
- District ITS Computer Equipment was relocated back to Building 300 from the temporary Building 100 space in December 2011
- New UPS for Building 300 with added capacity was installed and tested in November 2011 in Building 300
- New permanent Generator was installed and tested in December 2011 to provide the remote Data Center with Disaster Recovery capabilities
- These new UPS and Generator installations complete the full cycle for Disaster Recovery features now available at all District Data Center locations at Las Positas and Chabot colleges to provide for full operation on a 24/7 basis
- The Disaster Recovery plan was prepared in August 2010 as part of the college Accreditation and the UPS and Generators complete a significant milestone for the District Data Center sites

➤ Expand usage of Luminis Web Portal and Student Email by Colleges

- New SMTP server was installed in Fall 2011 to provide expanded and more stable services for student email usage
- Usage of Student Email by the colleges has been expanded to send out Financial Aid correspondence to students at both colleges to replace paper mailings
- Admissions & Records for both colleges has also changed over to email correspondence to replace paper mailings for some key documents and they continue to expand the email usage gradually
- Both Financial Aid and Admissions & Records utilize the SARS-CALL contact system to generate the email messages and send mass emails to the appropriate population of students
- The introduction of the Banner Waitlist in Fall 2011 accelerated the usage of mass student emails for both colleges for the primary mode of correspondence
- The usage of the Luminis Web Portal known as The Zone has expanded as well with the increase in student email usage of the Zonemail which is the standard email given to all registered students

➤ Wireless Access at both colleges was expanded significantly for all Instructional Areas

- Wireless now includes 39 Access Points (AP) at Chabot and 22 AP at Las Positas that covers all primary buildings and key common areas

IT Projects and Major Accomplishments as of January 2012:

➤ Evaluation of Document Imaging Systems for Colleges

- Document Imaging System allows us to migrate to a paperless environment replacing manual files with electronic media
- Reduces facility space for file storage/archives and automates manual processes to achieve maximum productivity
- Vendor demonstration performed in February and March 2010
- Admissions & Records and Financial Aid groups unanimously selected Sungard's Document Management System (BDMS)
- BDMS integrates fully with CLPCCD's Banner Enterprise System and also can be used with other non-Banner Systems
- Many other California Community Colleges utilize BDMS and information was gathered about their experiences with the product
- BDMS product purchased in November 2010 and implementation will begin in February 2011
- First phase of implementation focuses on student records to allow A&R to replace their old transcript system ATIFiler
- First phase also includes student information related to Financial Aid
- Project kickoff began in January 2011 and gathering of requirements with user groups occurred in February through March 2011
- BDMS software was installed at CLPCCD in April 2011 and ATIFiler conversion with system testing will continue for the next several months.
- BDMS Training was completed in June through July 2011 for the Admissions & Records and Financial Aid groups with a planned late Fall 2011 implementation
- Second phase will extend to other groups like Finance, Human Resources, Payroll, and other college departments with scanning needs

➤ District Data Center Backup and Recovery Features

- Verification of successful operation of the Generator and HVAC backup equipment in new IT Building occurred from April – October 2010
- Generators for Data Center have been exercised during campus power outages several times successfully to accommodate construction activity
- Backup units for HVAC for the Computer Rooms have been tested to confirm full operation in case of a failure for multiple scenarios
- Adjustments have been made to the automated processes for the HVAC backup units with successful results
- To support the remote equipment at Chabot, existing UPS was relocated from Chabot Building 300 to 200 in January 2011
- Ordered new upgraded UPS and solicited bids for new Generator to support the Chabot Building 300 remote server room

IT Projects and Major Accomplishments as of January 2012:

➤ Relocation of District Data Center from Chabot to new IT Building at LPC completed April 3, 2010

- Spring break was selected for move due to minimum impact on students and faculty
- Installed IBM servers in new environment which support the Banner Enterprise System
- Relocated all other District servers to LPC for general services such as GroupWise email and activated new network infrastructure at LPC
- Email and network services were restored within 1 day and Banner services were restored within 3 days

➤ Equipment for new IT Building at LPC to house District Data Center

- Completed installation and testing of full Generator and UPS capabilities for the new IT Building for the District Data Center
- Completed design to configure two new IBM servers that support Banner Enterprise System in September 2009
- Provides expanded capacity and full redundancy with two identical machines synchronized for disaster recovery
- Award of IBM Server Hardware/Software Contract to Chouinard & Myhre, Inc. in December 2009
- Includes Vision Solutions Software for automatic asynchronous interface between the two IBM servers
- Purchased laptops with storage cart for usage in the Training Room with flexible layouts for training classes with PCs or general conference meetings in February 2010
- Purchased other equipment for new building which included network switches, printers, and PCs in March 2010
- Installed Oracle Dataguard on IBM computers in December 2010 followed by several months of testing, and final production release is scheduled for the first week of July

IT Projects and Major Accomplishments as of January 2012:

➤ PC and Printer Hardware installed for new Chabot Facilities

- Faculty building IOB in January 2010
- Student Services Center CSSC in April 2010

➤ PC and Printer Hardware installed for new Las Positas Facilities

- Performing Arts Center CCA in June 2010

➤ Award of Cisco Switches and Routers Contract to AMS.Net in September 2009

- Second contract cycle, District Standards updated
- Continue to Install Switches and Routers in new facilities and renovated facilities at both colleges

➤ Award of Desktop/Laptop Contract for HP units in May 2009

- Third contract cycle, District standards updated
- District has 4-year life cycle for PCs

➤ Purchase of Enrollment Management suite with Reporting/Analysis tools in March 2009

- Tracks student recruitment through admission to colleges
- Provides improved classroom space management with course projections and enrollment statistics

➤ Completed Conduit Rerouting for both colleges as part of Central Utility Plant

IT Projects and Major Accomplishments as of January 2012:

➤ Wireless access for Instructional areas at both colleges

- Purchase of Centralized Management System in July 2009
- Installation completed in December 2009 followed by testing and full operation completed in Fall 2010
- Continued expansion of wireless access throughout new and renovated buildings at colleges besides general student areas

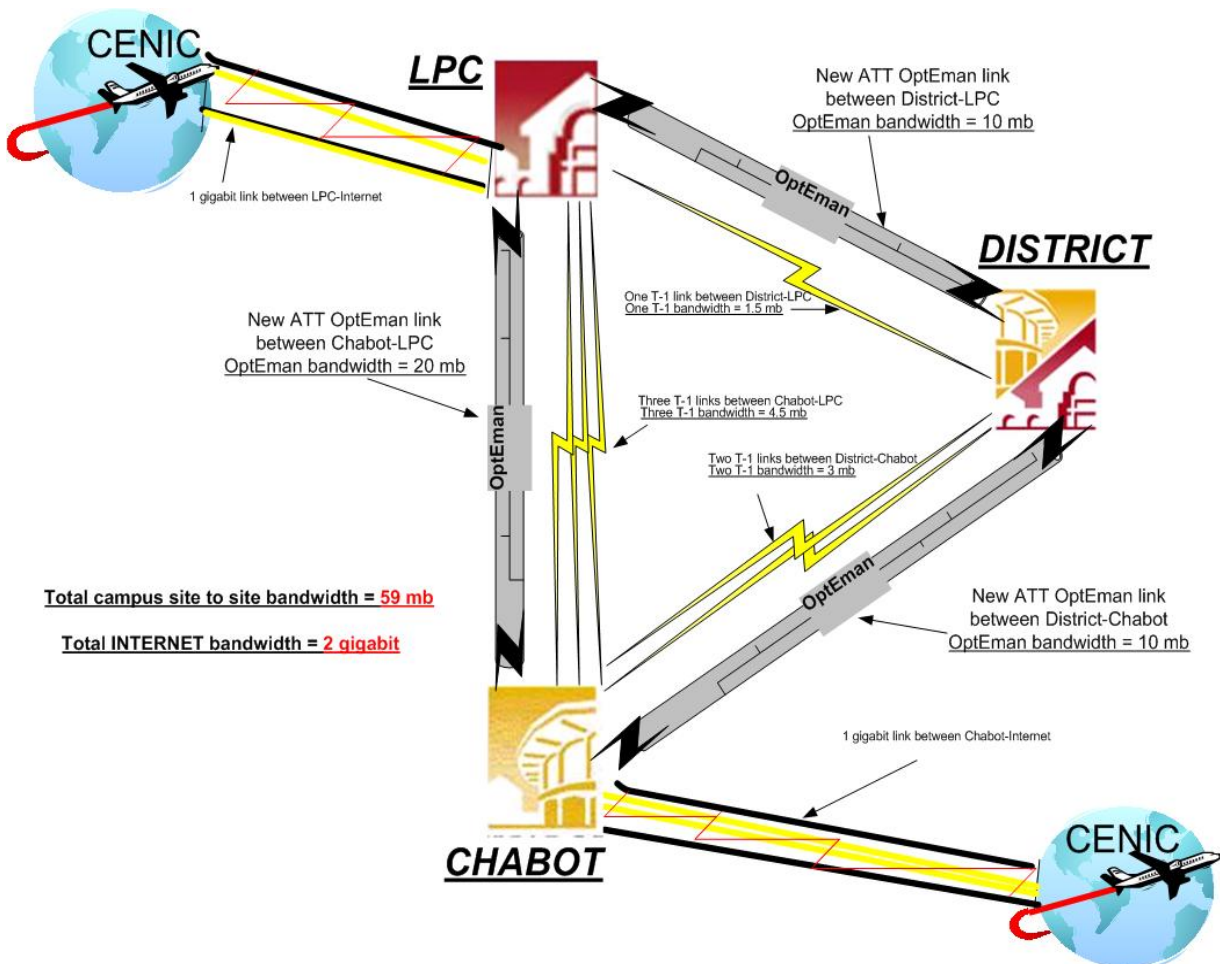
➤ Luminis Web Portal “The Zone” is operational with Student Email features “Zonemail”

- Financial Aid was the first area to transition to electronic email correspondence with students in place of letters/mailers in Summer 2010
- Admissions & Records also began using Zonemail in Fall 2010
- Expansion of Email services with a new SMTP server to be used for A&R, Financial Aid, and new Banner Waitlist features in Fall 2011

➤ Fully integrated consolidated Tape Backup System for Enterprise Systems

➤ Implemented CollegeNet Room Scheduling for online facilities management and room inventory capabilities

IT Projects and Major Accomplishments as of January 2012:



➤ Expansion of AT&T Opt-E-Man metro Ethernet Wide Area Network (WAN)

- Implemented new Opt-E-Man in 2008
- Installed new satellite site in Dublin in July 2009
- Expansion completed to accommodate the relocation of District Data Center in April 2010 – bandwidth 10 mb increased to 20 mb
- Concurrent upgrade of college Internet lines provided by CENIC (state funded) due to increased traffic caused by expansion of Smart Classrooms
 - o Previous 45 meg lines replaced with 1 gig lines
 - o Completed Chabot CENIC gig expansion in November 2009
 - o Completed LPC CENIC upgrade in process in May 2010
- Now have adequate bandwidth capacity to pursue other new technologies for the classrooms within the Measure B plan such as Streaming Video

IT Major Projects Planned for 2012 - 2013:

- Implement Document Imaging Software for Electronic File Storage
- Install additional Video Conferencing capabilities throughout District
- Design and install centralized Streaming Video Services district-wide
- Implement Consolidated Next Generation Storage Solutions such as SAN and NAS where appropriate
- Implementation of Virtualization of Servers for both colleges and district where appropriate, especially in the college computer lab environments where software availability for students is critical
- Continue installation of Computer Equipment (4-year replacement life cycle)
- Continue Server Upgrades & Hardware redundancy as needed
- Continue to Expand Wireless Connectivity for all Smart Classrooms
- Continue Network Infrastructure upgrades to support Facilities plan