

**PERALTA COMMUNITY COLLEGE DISTRICT**  
**Board of Trustees Agenda Report**  
**For the Trustee Meeting Date of December 09, 2014**

**ITEM TITLE:**

Consider Approval to Purchase Equipment and Services for the Merritt College Core Network Infrastructure Refresh Project.

**SPECIFIC BOARD ACTION REQUESTED:**

Approval is requested to purchase equipment and services for the Merritt College Core Network Infrastructure Refresh Project from NE-Systems using the piggyback-able contract California Multiple Awards Schedules (CMAS) in the not-to-exceed amount of \$160,000.

**ITEM SUMMARY:**

Consider approval to purchase equipment and services for the Merritt College Core Network Infrastructure Refresh Project utilizing the CMAS piggyback-able contract. This project is a Measure A project that will refresh Merritt College Wired Network Infrastructure. The primary goals for the project are the following:

- Consolidate as many network functions into multi-purpose network devices.
- Network devices must be designed in a highly available and redundant configuration.
- Replace core switches and firewall devices.
- Simplify firewall design.
- Redesign network architecture to achieve high reliability, ease of management, and reduced troubleshooting
- Successfully cutover old equipment to new equipment.
- Improve user experience through faster network speeds.
- Train College IT team on how to maintain and utilize infrastructure.

District IT (IT), in collaboration with Merritt College IT (MIT), evaluated Merritt College's current core network infrastructure in preparation of the upcoming Science & Allied Health building. At the completion of the assessment, IT identified the following end of life equipment: 2 core switches and 2 firewalls that the College is utilizing. All network devices are no longer covered under a maintenance contract; this includes the critical core switches which should at a minimum be covered under maintenance. The current firewall configuration is cumbersome, not easily manageable, and overly complicated for the size of the college. This equipment must be replaced in order to support the additional capacity and bandwidth requirements for the new Science & Allied Health building.

IT has the opportunity to refresh the core network infrastructure and begin implementing cost saving technologies for Peralta CCD. IT will aim to consolidate as much network functionality into multi-purpose network devices; reducing power consumption and network hardware needs. IT will also utilize higher performing network speeds, requiring all equipment be 10Gb ready. IT will create a sustainable network infrastructure maintenance schedule that will keep all equipment covered. The project also presents the opportunity to redesign the network

architecture itself. The redesign should increase reliability, make management of the infrastructure much easier, and be easy to troubleshoot.

The existing wired network infrastructure will not accommodate the increased demand of bandwidth required by users of Merritt's wired network. The Allied Health building is increasing port capacity by an estimated 3000 ports. New infrastructure is needed to support this increase.

A request for piggyback-able CMAS and GSA contract quotes was conducted for this project by NE-Systems, Carahsoft, and IT Management Corp.

**SOURCE OF FUNDS (AND FISCAL/BUDGETARY IMPACT):**

Measure A

**BACKGROUND/ANALYSIS:**

Under the Public Contract Code section 20652, the governing board of any community college District, without advertising for bids, and when that Board has determined that it is best interests of the District, may authorize by contract to purchase materials and equipment utilizing piggyback-able contracts. The Administration would like to utilize the piggyback-able contract of CMAS for the Merritt College Core Network Infrastructure Refresh Project equipment needs. The administration in cooperation with the Purchasing Department conducted a contract quote analysis using the California Multiple Awards Schedules (CMAS), and General Services Administration (GSA) procurement methods. These piggy-back contracts have been reviewed and appropriate discount was applied to this purchase by the vendor as verified by the Purchasing Department.

The CMAS uses existing competitively awarded government contracts to create the basis for the procurement needs of the State of California. To be considered for the CMAS Program, an existing contract must be awarded by the federal government or any other governmental entity in any state and awarded using a competitive process. The CMAS program provides a specialized procurement process for obtaining computers and telecommunication products and services to state and local government agencies as well as public educational institutions within the State of California. This program ensures that purchasing agencies are given the flexibility to choose the services that best meet their specific business needs, while maintaining an easy-to-use cost-effective government procurement plan. This eliminates the three-bid process and insures competitive pricing in a timely manner. CMAS contracts are available for use and benefit public and private schools, colleges, universities, cities, counties, non-profits and all other governmental entities.

GSA is the government's savings agency and the wealth of its resources is not limited to federal agencies alone. The Cooperative Purchasing Program allows state, local and tribal governments to benefit from pre-vetted vendors on a variety of Information Technology products and services as well as security and law enforcement products and services offered through specific GSA Schedule contracts. This program allows eligible entities to purchase from Cooperative Purchasing approved vendors, at any time, for any reason, using any funds available.

Schedule contracts open under Cooperative Purchasing, include:

Schedule 70 is the largest and most widely-used acquisition vehicle in the federal government. It features a wide variety of information technology products and services including mobile device and mobile application management (MDM/MAM) tools, automated data processing equipment (firmware), software, cloud computing services, hardware, support equipment, and professional services.

A request for piggyback-able CMAS and GSA contract quotes was conducted for this project by each partner. The requirements were specified and a solution was presented by each partner: NE-Systems – Arista Networks, Fortinet; Carahsoft – Arista Networks/IT Management Corp – Fortinet. IT and MIT formulated the required equipment necessary to provide stable and effective support for the required functions of the Merritt College Core Network Infrastructure Refresh Project. Each partner has provided quotes for each manufacturer under different piggyback-able contracts for comparison. The resulting quotes were as follows:

Partner	Manufacturers	Piggyback-Able Contract	Total Bid
NE-Systems	Arista, Fortinet	CMAS	\$159,855.00
Carahsoft/IT Management Corp	Arista, Fortinet	GSA/CMAS	\$178,673.65

The lowest responsible and responsive piggyback-able contract quote was the following:

Equipment Category	Manufacturer	Piggyback-Able Contract	Total Bid
NE-Systems	Arista, Fortinet	CMAS	\$159,855.00

The total budget amount for equipment and services is \$160,000

After Board approval, the Administration will immediately begin the requisition process in order for manufacturers to deliver the equipment by February 2015. This project is in support of all Merritt College Projects.

**DELIVERABLES AND SCOPE OF WORK:**

Under this purchase, NE-Systems deliverables will include equipment for Merritt College, necessary software licenses, as well as any other equipment and services specified in the quote.

**ANTICIPATED COMPLETION DATE:**

March 2015.

**ALTERNATIVES/OPTIONS:**

N/A.

**EVALUATION AND RECOMMENDED ACTION:**

The equipment provided by NE-Systems is highly recommended because it was analyzed to be compatible with the existing infrastructure at Merritt College MDF and IDF rooms. Furthermore, the equipment and services addresses the goals and objectives of the Merritt College Core Network Infrastructure Refresh Project. Approval is recommended to utilize the CMAS piggyback-able contract with NE-Systems for the purchase of the equipment and services needed to complete the project.

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

YES     X                        NO           

**COMMENTS: NONE**

**WHO WILL BE PRESENTING THIS ITEM AT THE BOARD MEETING?**

Associate Vice Chancellor Calvin Madlock

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

**DOCUMENT PREPARED BY:**

Prepared by: Michael Dioquino Date: 11/12/2014  
Michael Dioquino, Director of Technology Services

**DOCUMENT PRESENTED AND APPROVED BY:**

Presented and approved by: Calvin Madlock Date: 11/13/2014  
Calvin Madlock, AVC of IT

**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: Susan Rinne Date: 11/13/2014  
Susan Rinne, Chief Financial Officer

**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: Dr. José M. Ortiz Date: 12/4/14  
José M. Ortiz, Chancellor