Emergency Equipment and Notification Technology

Description:

Eastern Washington University is an open campus with a widely diverse student population. Recent violent incidents at other universities have increased concern about the safety of Eastern’s students, faculty and staff. Institutions that are equipped to stand against violence reap less violence. Eastern must be prepared to address life safety issues that are raised by emergencies such as extended power outages and critical weather conditions.

Safety is our number one priority at Eastern. Eastern’s campus safety professionals have worked diligently to consider the university's current safety level and potential improvements that will ensure the safety of all campus constituents. Improving safety and response times to emergency events is often quite costly.

Eastern Washington University requests $1,316,000 to fund emergency equipment and notification technology. This request includes a wi-fi camera system, mobile dispatch computers, universal power supply, generator power, and enhancement of the campus electronic messaging system for timely notification of campus emergencies. This funding request is an investment of funds that will provide benefits for many years in increasing campus safety at Eastern.

Fiscal Detail:

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<th>FY 2010</th>
<th>FY 2011</th>
<th>Total</th>
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<tbody>
<tr>
<td>Operations (on-going)</td>
<td>78,000</td>
<td>78,000</td>
<td>156,000</td>
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<tr>
<td>Operations (one time)</td>
<td>990,000</td>
<td>170,000</td>
<td>1,160,000</td>
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<td>Total</td>
<td>1,068,000</td>
<td>248,000</td>
<td>1,316,000</td>
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Narrative Justification:

Intro paragraph here
Mobile Dispatch Computers and Wi-fi cameras -- $306,000

Timely and accurate information are crucial when responding to a critical incident. The first responders can determine the best actions if they have access to real time information. The campus wide camera system integrated with mobile dispatch computers in patrol vehicles will provide real time information. The wi-fi system is accessible to the officer at locations throughout the university. Mobile dispatch computer capability gives officers the ability to bring up data on an emergency call as it is received, and also provides access to photographs from online sources to view the building in real time prior to arrival at the site. The planned approach allows responding officers to determine the best avenue to quickly access the problem area, and to direct other responding units to areas of containment and assistance. Appropriate equipment will provide the officer with accurate information and assist in determining the safest means of approach and identifying the risks.

The Virginia Tech Review Panel noted in the Summary of Key Findings that the university did not have security cameras on campus. "The outcome might have been different if the perpetrator of the initial homicides had been rapidly identified."

Requested: $306,000 in FY10 to provide mobile dispatch computers and wi-fi cameras

**Outcome:** Police officers will be able to approach emergency situations with accurate and timely data to inform an appropriate response, resulting in reduced risk of negative outcomes.

Universal Power Supply and Generator Power -- $224,000

Eastern faces a life safety issue with the migration of the telephone system from a centralized system with centralized backup power to a decentralized architecture using the university’s data network. There is a need for a comprehensive review, plan, and implementation to ensure these critical systems remain available during a sustained power outage.

Each electronic component providing telephony connectivity to the end-user, also provides in-line power to each device. Each data switch on campus providing telephony services should have at least one primary power connection and one connection to an uninterruptable power supply (UPS). The UPSs are designed to sustain power to the data switch until primary power is restored. The sustaining of data services during a power outage has become more critical as the Voice over Internet Protocol (VoIP) telephony system serves as a life safety
medium to the university’s student, faculty, and staff. This proposal should further consider connecting each Telecom Room within each building to a backup generator. This would reduce the size of UPS device required, thus reducing the overall costs for the UPS devices. As a multitude of devices are nearing their acceptable end-of-life, each device will need to be replaced with another device appropriately sized and specified for the services and electronics it is dedicated to sustain.

Requested: $224,000 in FY10 and $0 in FY11 to provide universal power supply and backup generators for critical life safety telephone systems

**Outcome**: This project will result in a stable power supply for each telecommunications room and add backup power supply to eliminate power supply interruptions.

**Enhance Authentication and Electronic Messaging Systems -- $786,000**

Emergency situations at other educational institutions across the country have demonstrated the importance of being able to quickly notify individuals throughout the campus when emergencies arise. It is also important to strengthen network, application, and data system authentication to control and maintain appropriate access for users of these systems. A full-time regular ITS support position is included in this request.

Although the current text messaging and authentications systems are working quite well, it does not access individuals who do not carry a cell phone or those who are working and have their phone turned off. The proposed electronic messaging system will provide a single method to notify all individuals across campus by sending simultaneous messages to cell phones, desktop telephones, digital signage monitors, e-mail, desktop computer screens, and public address systems. This acquisition will include necessary software applications, server hardware, digital signage monitors, panic button systems, and vendor implementation support. Although a final determination as to vendors has not yet taken place, examples of vendors in this market include Berbee (Informacast and Dora) as well as Cisco.

Currently, there are multiple authentication packages utilized for applications and systems, managed by multiple departments, across the Eastern Washington University campus. The proposed solution will provide a single enterprise authentication solution. This initiative will allow for better management and control of user access to these campus-wide systems. This acquisition will include necessary software applications, server hardware, vendor implementation support, and vendor programming. Initial purchases of Microsoft
Active Directory and Luminis portal (a part of the Banner Administrative application suite) have already occurred. This initiative investment will allow complete integration of multiple campus-wide systems to happen.

Many higher education institutions nation-wide, including institutions within the state, utilize these technologies. It is the intent to follow appropriate State purchasing regulations and guidelines in the competition, selection, and purchase of these systems,

Requested: $539,000 in FY10 and $247,000 in FY11 to enhance authentication and electronic messaging systems for campus emergency notification.

Outcome: This project will provide a life safety system that will provide critical crisis/emergency information to all individuals throughout campus.