HECC Request to the Emergency Board

Institutions submitting requests to the Emergency Board for additional expenditures limitation or Emergency Fund allocations due to circumstances beyond the institution's control are requested to provide the information described below.

For each request provide the following:

1. A short working title for the Emergency Board request.
   EOU Information Technology Equipment Facility

2. A narrative describing the nature of the emergency and a precise statement of the action requested.

   EOU's Information Technology department supports all of the technology needs for the institution, including on-campus programs, as well as the delivery of EOU's nationally recognized distance education programs and degree offerings. The current state of the EOU campus data centers, which house all of the university network and phone infrastructure, as well as campus data storage and servers, are insufficient at best, high risk and leaning towards catastrophic failure. The most prevalent issues are an outdated layout causing cabling and management issues, an aging electrical system, outdated and failing HVAC systems, and basement level locations that are prone to flooding. Both data centers have experienced numerous water events in recent years, and the entire campus network and storage system is jeopardized by the current state of our IT equipment space.

   Our primary network hub in Pierce Library serves as the core of our network, fiber system, telephone system and WiFi distribution, and houses our primary servers and data storage. In addition, this hub not only services the university, but also hosts various external organizations. Relocating this infrastructure requires moving equipment, and will require that all of the outdated fiber connections are replaced and reestablished to each building on campus.

   Alternative relocation spaces on campus were explored by EOU. Ultimately, the only spaces that could meet the needs of the data center are classrooms. Repurposing classroom space decreases student access, is counter-intuitive to our educational mission, and would also require extensive remodeling. Our analysis of remodel costs meet, and in some cases exceed, the cost of a stand-alone facility, not including a reduction of classroom availability, which hinders our enrollment growing strategies.

   EOU is requesting funds for the construction of a dedicated technology infrastructure equipment facility. The facility will include a temperature and humidity controlled server room; fiber distribution rack space; equipment shop space; staff office and support space; equipment and general storage; and equipment staging space.

3. A detailed description of the nature of the request and what will be repaired or constructed, including appropriate metrics (acres, square feet, number of stories, classrooms, labs, etc.).

- Single story slab on grade steel, concrete and wood structure to house campus technology infrastructure hub; campus fiber distribution; campus servers and data storage; campus communications system; campus WiFi distribution; equipment service shop and staff support space.
- Approximate area of facility: 3,000 SF.
- Approximate project site area: 5,000 SF.
- Construction will occur northwest of Badgley Hall and east of the Student Health Center.
- Infrastructure development includes repair and replacement of campus fiber network.
- Site development includes vehicle and delivery access from Sixth Street.

- Project includes dedicated emergency full operation backup power system.

4. A description of any clear and urgent life, health, and safety problems that will be addressed by the request and an indication of the degree to which the problems are resolved.

   Historic and continuing challenges with water intrusion events in each of the two locations where EOU currently houses its servers and active network equipment repeatedly creates high-risk environments for the staff who must respond to the events. The active high and low voltage electrical circuitry present in the rooms during flooding events has the potential to cause serious injury.

5. An estimate of the total project cost regardless of emergency request. Include all costs including design and planning, hard and soft construction costs, land and real property acquisition, infrastructure development, furnishings and fixtures, contingencies, etc.

- Direct construction cost with all fees, bond and insurance: $ 963,500
- Furnishings, Fixtures & Equipment: $ 45,000
- Permits & Testing: $ 40,000
- Planning & Design: $ 48,000
- Owner's Contingency: $ 92,900
- Percent for Art: $ 10,600
- **Total Project Cost: $1,200,000**

6. A detailed funding request:

   a) Complete the following table:

	General Fund/Lottery Funds	Article XI-G bonds	Article XI-F (1) bonds	Lottery Bonds	SELP loans	Seismic Grants	Article XI-Q bonds	Total
Total	$1.2M							$1.2M
State-paid debt	NA		NA					
Campus-paid debt	NA	NA		NA				

   b) Describe any other funding alternatives, including university or revenue backed financing, that were considered along with the outcomes.

   (addressed below in section c)

   c) Are there any capital repair and improvement funds available for this project, if not, how are capital repair and improvement funds committed?

   Due to the critical nature of this request, as well as the amount of funding needed, EOU does not have funding alternatives for this project. This $1,200,000 project is too large to allow for use of capital repair and improvement funds, as it would exhaust over sixty percent of our projected capital repair and improvement allotment. Should EOU dedicate this portion of our capital repair and improvement funding to the IT facility alone, additional necessary projects will be delayed, and will create other infrastructure emergencies for EOU.

Currently, EOU's deferred maintenance backlog is just over $32,000,000. And while EOU utilizes every capital renewal and improvement dollar to maintain our facilities, the backlog illustrates that our biennial allocation to address capital repair and improvement needs is already significantly lacking. Campus commitments for use of future capital repair and improvement funding include roofing repairs, ADA upgrades, HVAC improvements/replacements, and elevator upgrades.

d) For additional required project funding (beyond requested state funds and Article XI-G match), identify the amount and source of the funding.

N/A

e) Identify the revenue sources that will be used to pay for any campus-paid debt.

N/A

7. The expected project start and completion dates.

- **January 2017 – November 2017**
  - January 2017 – March 2017
    - Planning & Design
  - April 2017 - May 2017
    - Bid process and Project buy-out
  - June 2017
    - Mobilization; Site preparation
  - July 2017 – October 2017
    - Construction
  - November 2017
    - Final Completion

8. Is this project identified in the institution's deferred maintenance backlog?

As explained above, due to the size of this project, it has not been included in EOU's deferred maintenance backlog. This project was proposed as part of a larger project in EOU's 2013-15 and 2015-17 capital submission, but was not funded. The project has also been submitted in EOU's 2017-19 capital submission. Due the emergency nature of this project, even if it was funded in the 2017-19 session, EOU faces severe risk if we must wait until the bonds sell in 2019 to begin to address the data center relocation.