

UETN Technology Equipment Replacement

FY19 One time request for \$4,100,000

This is a request to replace and improve core systems equipment in the UETN Statewide Internet Backbone, Improve Core Network Nodes, and Interactive Video Conferencing System and Enterprise Information Technology Systems.

- i) **Enterprise Computer Systems (approximately 21 Devices)** to deploy and replace computer servers, data storage, data center system networking and disaster recovery for the technology applications and systems required for public and higher education.
- Compute Platform *(Average Equipment Age 5-7 Years)* \$ 234,159
 - Data Center Networking *(Switches older than 8 Years)*– \$ 259,440
- SUBTOTAL \$ 493,599**
- ii) **UETN Backbone Network Equipment Replacement (for equipment 5-7 years)**
Ensure continued UEN Internet statewide Network operation connectivity with no outages or failures.
- Internet Backbone Equipment (12 core routing devices) \$ 610,500
 - Ancillary (Batteries, Power, Environmental, Electrical & Comm.) \$ 6,073
- SUBTOTAL \$ 616,573**
- iii) **Interactive Video Conferencing Equipment Replacement (for equipment older 7-10 years)**
Convert legacy standard definition core equipment, IVC classrooms, rooms and devices to High Definition Technology. This will convert UETN owned IVC classrooms and increase capacity of the bridging, gatekeeping, scheduling, management and desktop systems.
- Core Infrastructure (High-Definition Bridging) \$ 208,766
 - IVC Receive/Basic/ Complex Classrooms \$ 205,110
 - IVC Support and Maintenance 75,952
- SUBTOTAL \$ 489,828**
- iv) **Core Node Hardening** Improve key network node for design, hardening, site improvement, and equipment in UETN's network. This is to improve a current key network node on the University of Utah campus to prevent loss of key services in the advent of a node failure.
- Core Network Equipment \$ 1,200,000
 - Supporting Servers \$ 100,000
 - DWDM Equipment \$ 1,200,000
- SUBTOTAL \$ 2,500,000**
- Total Request for UETN Equipment Replacement TOTAL \$ 4,100,000**