

UETN Funding Request for FY2017

Priority 1: Ongoing funding for statewide growth = \$5.7 Million

UETN is essential to the day-to-day education and health of three million people who live in Utah. The Network now serves more schools and clinics, communities and locations than ever before. Many of those we serve are also using more devices running more apps.

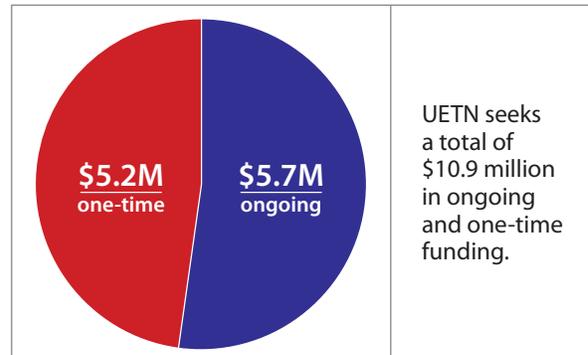
We continue to face unprecedented demand while the cost of providing services outpaces available funds. UETN seeks additional funding for ongoing operations. We request \$5.7 million in ongoing funding to allow us to:

- Connect new schools and clinics
- Increase broadband capacity for schools, districts and clinics (backbone and internet)
- Strengthen network security and data security
- Maintain existing support agreements
- Implement filtering solutions to include portable devices
- Support statewide Learning Management System
- Expand teacher professional development and content
- Increase engineering and inventory capability

Priority 2: One-time funding for equipment = \$5.2 million

UETN seeks one-time funding to continue to allow us to upgrade and/or replace aging equipment before it fails. This will reduce the possibility of disruptive downtime and costly emergency repairs. This funding will address the highest priority, mission critical equipment.

Equipment replacements and upgrades include network support and monitoring equipment, systems, servers and platforms; UEN backbone district office edge devices and Internet routing equipment, ancillary network facilities (such as batteries and power improvements); and Interactive Video Conferencing core infrastructure control units, codecs, and classroom/lab equipment. Some of the gear is more than 10 years old. Replacing it now enables us to schedule the replacement rather than experiencing a network failure.



Highlights of FY2015 Mid-Year Accomplishments

- Expanded network to meet demand:
 - » Increased from 1412 to 1447 sites statewide
 - » Logged record traffic bursts of 45 Gbps Fall Semester while last year's record high traffic was 36 Gbps
 - » Provided bandwidth and other services to more than 900,000 students, faculty and staff in public and higher education
- Successfully petitioned the FCC to preserve vital on-going E-Rate funding for rural schools and libraries in Utah, saving more than \$1.5 million
- Established Internet connections for 17 new charter schools, four new high schools, and four new elementary schools
- Engineered and implemented 10 Gbps backbone from UVU in Orem to USU Eastern Blanding Campus in San Juan County
- Implemented six 10-Gig backbone upgrades for Weber, Canyons, Box Elder, Nebo, Provo, and Washington School Districts
- Completed extensive microwave upgrades in Daggett county and UVU Capitol Reef Field Station
- Installed seven new Telehealth network member sites
- Created online EdTech Endorsement program for educators
- Trained more than 11,000 educators through UEN and USOE professional development courses, both online and in person

- Concluded four-year water research project with universities in Utah and Wyoming—including improved high performance computing capabilities for models (CI-Water project)
- Launched math readiness EdReady website for high school students and counselors with STEM Action Center and USOE
- Implemented new data dashboards demonstrating our work and increasing transparency
- Launched FNX-TV channel highlighting Native American stories and filmmakers
- Established new management of UtahFutures
- Continued to merge telehealth and UEN operations

Utah Leaders speak out on how UETN serves the state

Technology infrastructure is critical to the success of higher education. UETN plays an important role supporting the network infrastructure of the state's colleges and universities. Institutions within the Utah System of Higher Education are large enterprises serving over 170,000 students a year. The quality of those institutions depends on a solid physical and technological infrastructure—not just in instruction, but also research, campus life, public safety and administration. The Utah System of Higher Education values its partnership with UETN in providing this critical support.

David L. Buhler
Commissioner of Higher Education

Our connection to UETN is critical to improving access to care in support of the health and well-being of people who live in and visit Sanpete County and central Utah. UETN's secure broadband infrastructure links our patients and providers while saving money and improving lives. We rely on UETN's expertise to provide technical support, resources, and consultation with multiple specialists. UETN is a key asset in Gunnison Valley Hospital's ability to offer cutting-edge care in Central Utah.

Mark Dalley
Administrator, Gunnison Valley Hospital

The Utah Education and Telehealth Network (UETN) is a longstanding and essential partner to the Utah State Library (USL) and to public libraries all across Utah. UETN services ensure that USL can fulfill its mission to improve the quality of public libraries, especially smaller ones, across the state. This partnership has been a crucial catalyst for three major initiatives benefiting Utah's public libraries: first, Utah's online library with in-depth educational and informational resources; second, broadband Internet for most of Utah's public libraries; and third, E-Rate assistance that provides broadband access to libraries at substantial savings.

Donna Jones Morris
State Librarian
Director, Utah State Library Division/Department of Heritage and Arts

UETN is essential to the Utah College of Applied Technology in its mission to meet the needs of Utah's employers for technically skilled workers by providing market-driven technical education to both secondary and adult students. UETN provides the technological backbone to our campuses and provides means whereby colleagues can meet over interactive video conferencing cutting down on expensive travel. Campuses also use UETN provided technology to deliver distance education to provide opportunities to students not located near campuses.

Robert O. Brems
President, Utah College of Applied Technology

Modern skyscrapers were made possible because of structural advances in the bundled tube design. Bundled tubes allow hundred-story buildings not only to withstand the stress and strain of their height and weight, but to be built in creative ways to meet the needs of building occupants. UEN supplies the digital version of bundled tube design to 21st century learning in Utah. UEN's statewide digital backbone gives public schools, libraries, and higher education institutions the strength to carry out cutting-edge learning over the vast expanse of Utah and the flexibility to deliver it in ways that best suit the needs of individual teachers and students.

Brad C. Smith
State Superintendent of Public Instruction