



UEN NTIA BTOP Project Briefing

The Utah Education Network (UEN) has for over 30 years provided critical distance learning and educational opportunities for learners of all ages in Utah. Over the past eight years, with support from the State Legislature and the E-rate program, UEN has successfully managed an aggressive broadband build-out project to complete the migration of over 300 public education secondary schools and 41 school district offices, colleges, universities, and higher ed facilities from copper T-1 services to fiber-based broadband Dense Wave Division Multiplexing (DWDM) Gigabit Ethernet services, including the completion of a statewide Gigabit Ethernet backbone running almost 400 miles of the state from Logan (North) to St. George (South) and to all rural communities of the state.

UEN has worked with ten Utah companies to accomplish those projects: Qwest and nine Utah independent telephone companies. UEN leases this infrastructure which has provided economic development and broadband expansion to homes, businesses, and other community anchor institutions.

UEN has submitted two applications to NTIA for the BTOP Program as part of the federal ARRA Broadband stimulus legislation passed by Congress in February 2009.

BTOP Infrastructure

Requested NTIA Funds:	\$13,401,096
Matching and In-Kind Funds:	\$ 4,094,492
Total Project Budget:	\$17,495,586

Utah Anchors: A Community Broadband Project will extend the state's high capacity education fiber optic education network to more than 130 Utah Community Anchor Institutions including elementary & charter schools, libraries, head start, and public safety organizations. Building on the existing Utah Education Network, Utah Anchors will also extend digital resources to businesses and residents statewide. This project will deliver: Fiber-based 1000MB to:

- 62 Elementary schools
- 7 Public Libraries
- 1 Charter Schools
- 1 Head Start Center

- Fiber-based 100MB to 25 Charter Schools
- 28 Public Libraries
- Fiber or Copper 10MB 7 Headstart centers

Target areas: Rural and urban areas of Utah, both unserved and underserved in **59** cities
Overall expected subscriber projections for the project: **963,900**.

Broadband Fiber Infrastructure for:

- 35,160 Utah Households
- 28 Businesses in unserved areas
- 123 Businesses in underserved areas
- 158 Businesses in served areas

Number of community anchor institutions, public safety entities, and critical community organizations passed with the project (e.g., health care, education, libraries, etc.): **130 Community Anchor Sites; 300 + public safety entities**

1. How does this project benefit Utah companies?

Qwest, Frontier Citizens, South Central Communications, Emery Telecom, Strata Networks, and Veracity will all receive 5-year contracted revenue, equipment orders, and jobs from this project. Local Utah contractors will be used for construction work.

2. How will this project benefit Utah residents?

Over 35,000 households and approximately 960,000 residents will benefit from the broadband services deployed with this project. Both unserved and underserved areas lacking broadband access will gain new infrastructure. Schools, libraries, and head start centers will gain new fiber needed for a 21st Century education.

3. How will this project help to provide economic development for Utah?

UEN is the anchor tenant of the new infrastructure, ensuring its viability. Additionally, over 300 local Utah businesses located in the proposed service areas will gain access to new fiber infrastructure provided by local telcos.