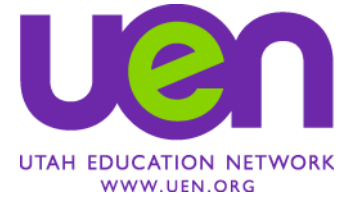


Utah Education Network

Council of State Governments-
Western Region
September 13, 2010

Utah Education Network: Who we are



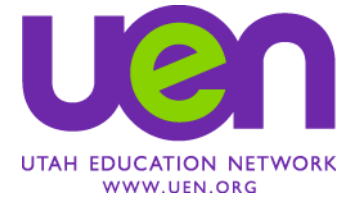
- An educational technology partnership of public and higher education, providing educational technology services statewide.
- Governed by a 25 member Steering Committee with equal representation of higher education and public education. Governor, legislature, and state library system also represented.

UEN's Core Responsibility

To provide a statewide wide area network with robust and reliable connectivity to the Internet for every public school and college, and every public library.

- A public-private partnership between UEN and Utah telecommunications providers.
- UEN and the state **do not own** the network. We **lease** circuits from telecommunications companies using **multi-year** contracts.
- Network and Internet services qualify for federal E-Rate reimbursements which cover about **two-thirds** of the cost. This ensures inexpensive services at no cost to the school districts and USHE institutions.

Goal: high capacity fiber to every public school and library in Utah

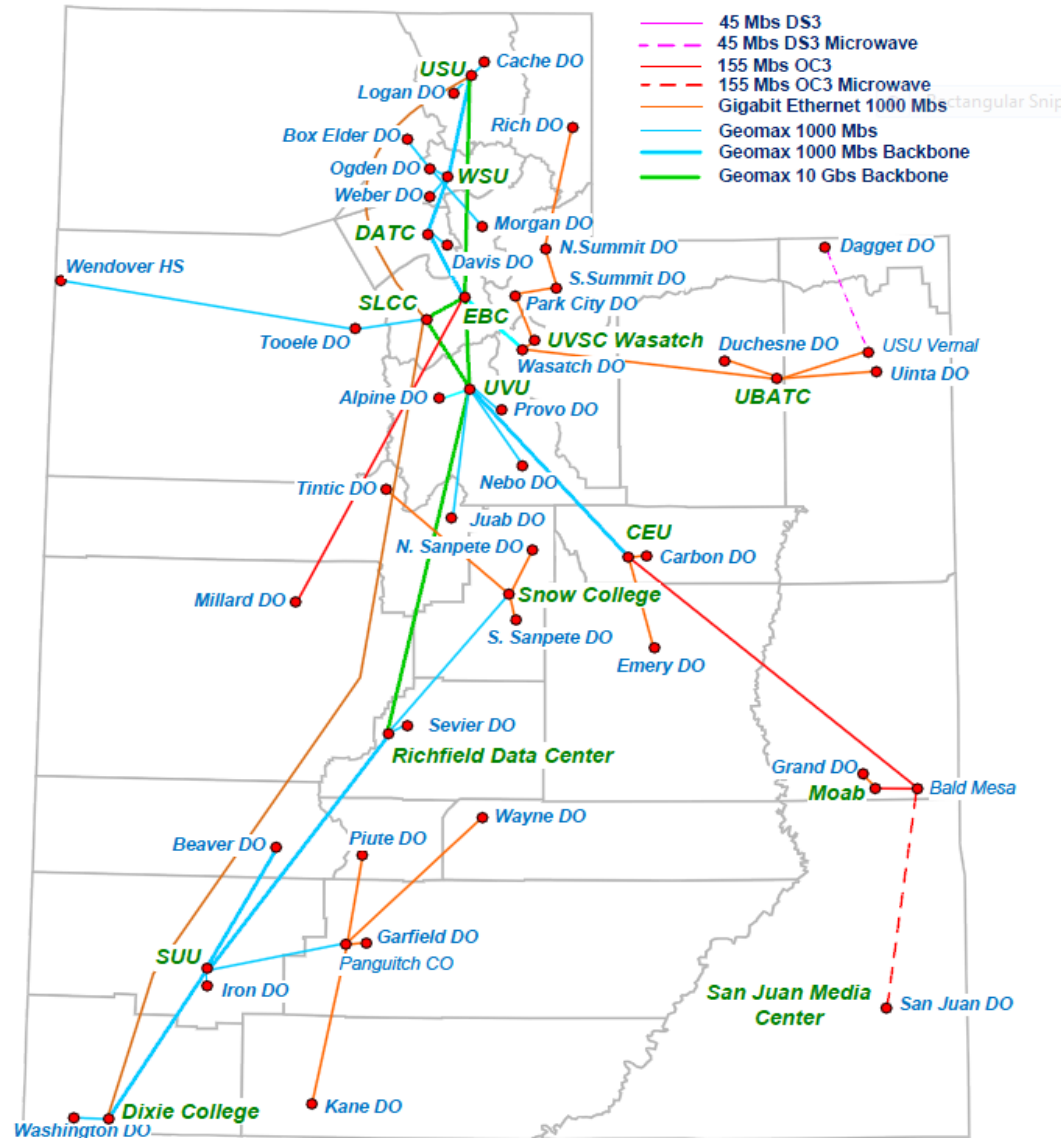


- All public colleges and universities connect to UEN with at least gigabit fiber connections
- All public high schools and middle schools connect to UEN, most with gigabit fiber connections
- Most elementary and charter schools have at least 100 mb/s connections
- 158 elementary and charter schools, and most public libraries, have T-1 connections

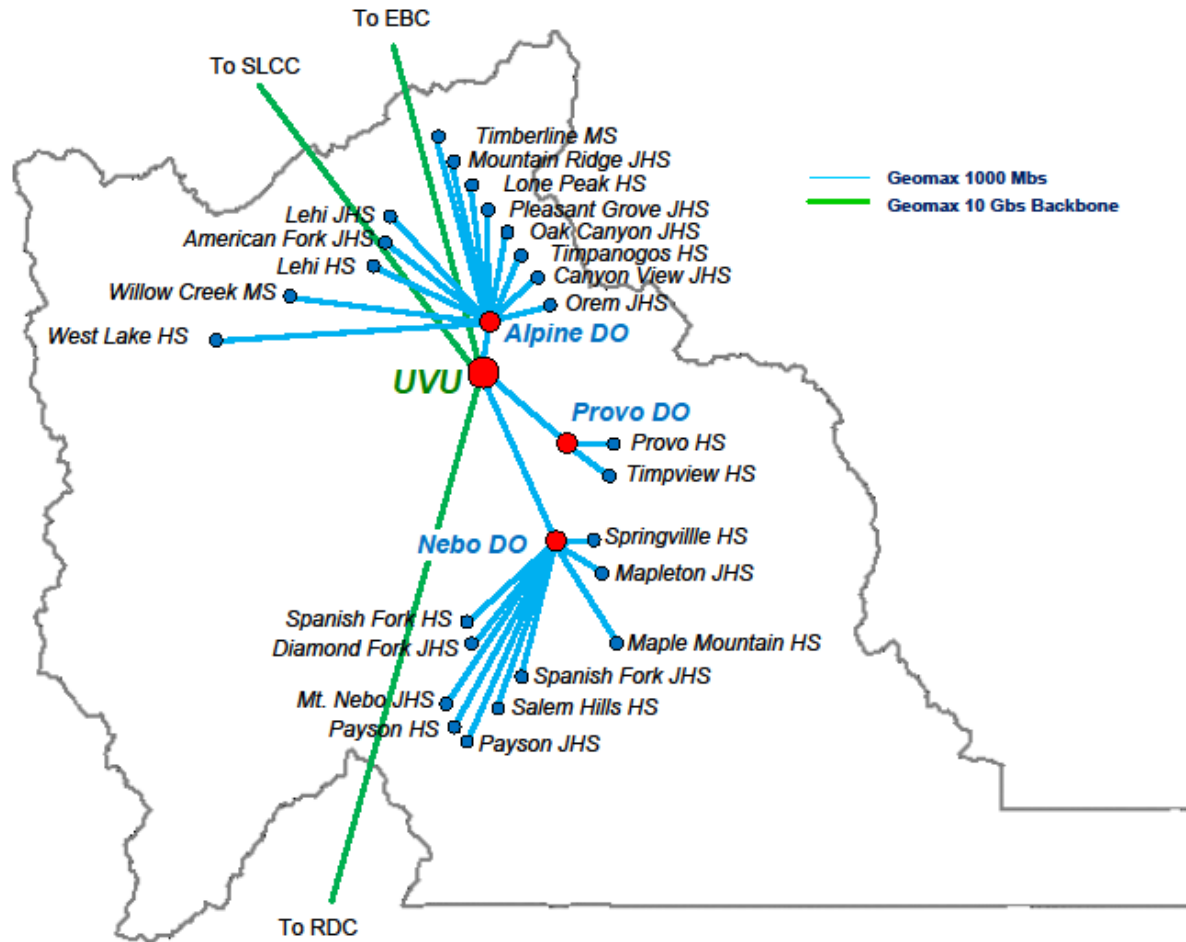
Statewide backbone



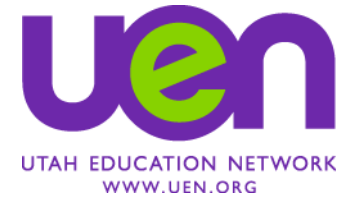
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County-level network example



Network and Internet contracts cost UEN \$16.5 Million annually



- Circuit and Internet charges take nearly 60% of UEN's total budget.
- Through low-cost contracts with local telecommunications companies and through federal E-rate discounts, the State saves more than 2/3rds of the cost of network services.

Network and Connectivity Charges for Public and Higher Education	
Annual Circuit Expenses	\$16,494,500
Net Cost to State	\$5,278,300
Annual Savings to State	\$11,216,200

Utah State University as an Example of Cost Savings

Utah State University Circuit Charges

	UEN Billing	Tariff Billing
Annual Circuit Expenses	\$5,737,300	
USU Estimated Billing		\$12,679,500
Net Cost after 68% E-Rate Discount	\$1,836,000	
Annual Savings to State	\$3,901,300	\$12,679,500

What Tasks Remain to Complete Statewide Network Goal?

158 elementary and charter schools do not have high capacity network connections.

Utah Education Network Ethernet Fiber Upgrade Project				
	High Schools Jr High Schools District Office	Elementary Schools	Charter Schools	Elementary and Charter Schools Combined
Circuit Upgrade Completed	340	338	4	342
FY 2009 Projects*		67	18	85
NTIA BTOP Grants				
Round 1		62	26	88
Round 2		43	27	70
Total	340	510	75	585
*UEN is obligated to pay one-third of the cost not paid through the E-Rate program.				

\$17.5 Million NTIA BTOP Grant



- Part of the federal ARRA Broadband Stimulus Project.
- Will upgrade 88 elementary and charter schools, 35 libraries and 5 head start schools from T-1 (1.5 MBPS) connections to 100 to 1000 MBPS.
- Round 2 of BTOP: UEN applied for second grant to upgrade the remaining elementary and charter schools and most public libraries and head start centers.

UEN Wins \$17.5 Million Grant



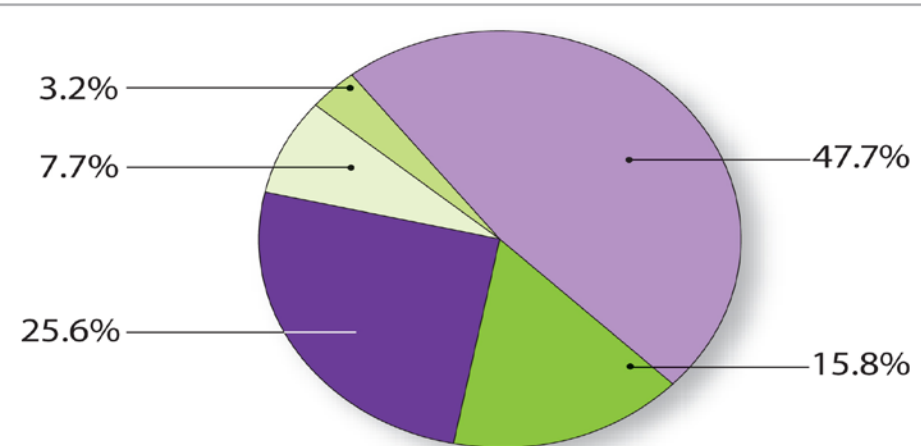
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Interactive Video Conferencing

- 200 events per day to 670 locations statewide.
- Thousands of students and instructors use it for live, interactive instruction.
- Staff increasingly use the system for administrative meetings and professional training.

Interactive Video Conferencing Usage



Events – Aug 2009-Jun 2010

Concurrent Enrollment Classes	6259
Higher Education Classes	10117
Public Education Classes	3022
Administrative Meetings	1255
Locally-Initiated Events	18840
Total Events	39493

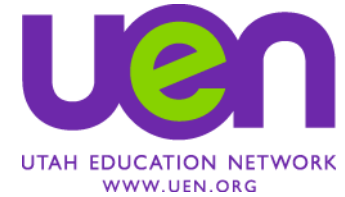
Source: Utah Education Network, August 2010

Hosting enterprise applications, web resources



- As many as **100,000** Utah college students and instructors use Blackboard Vista in a **single day** to access their classes online.
- UEN hosts the Utah Electronic High School
- There are over 2 million log-ins monthly by K-12 and college students to Pioneer Online Library.
- Web services delivered at <http://www.uen.org> are essential for Utah teachers and students.
- Monthly, there are about **1.3 million** visits to UEN web resources.

Professional Development, UEN-TV



- Professional development courses are relied on by thousands of Utah teachers for licensure certification and to improve their technology skills.
- KUEN-TV broadcasts a rich schedule of instructional programming statewide.
- 14,000 enrollments in more than 640 sessions during the past year
- UEN cooperates with the Utah State Office of Education and Regional Service Centers to offer more than 80 technology related topics.