



Engaging People. Linking the World.

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Broadband Webinar Series





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Nebraska  Link

Nebraska's Broadband Network

January 18, 2012

Broadband Webinar Series

“NebraskaLink – Linking you to the World”

Shannan Heinzle

Director Business Development

www.nebraskalink.com

Linking You to the World

January 18th Webinar to discuss NebraskaLink

- LINCOLN, NE – *the fifth webinar focusing on broadband adoption and use in Nebraska, scheduled January 18th, is titled “NebraskaLink – Linking you to the world.”*

Today's Agenda

NebraskaLink Organizational Structure

Who We Are / What We Do

Who We Link/ How We Do It

Our Network

NTIA Broadband Technologies Opportunity (BTOP) Grant

Connecting Communities

Bridging the Digital Divide

Who we are....

NebraskaLink, LLC is a consortium of seven Nebraska Independent Telephone companies who provides a progressive fiber optic network throughout the state of Nebraska.

NebraskaLink Member Companies

- American Broadband
- Consolidated Telephone
- Great Plains Communication
 - Hamilton Telephone
 - Hartelco – Hartington
- Nebraska Central Telephone
- Northeast Nebraska Telephone

Who we are...

- NebraskaLink was formed in 2010, with the hard work and dedication of our seven founding member companies. Our offices are based in Lincoln, Nebraska.
- Classified as a “middle-mile” provider, we offer a variety of transport and Internet services from East to West in Nebraska over our 2,000+ mile, fiber optic network.
- A recipient of an \$11.5 million dollar BTOPI Infrastructure grant award to construct 500 miles of buried and aerial fiber network (+ \$5 MM of matching private funding)
- The Nebraska representative for the Independent Alliances Telecom Group (INDATEL) which is a nation-wide ILEC consortium.

What we do....

We provide a link to the world.

NebraskaLink provides a progressive fiber optic network that *exceeds the technological and affordability demands* of urban and rural communities throughout the state of Nebraska.

We are dedicated to advancing economic, business and community growth by providing affordable, robust, and innovative, technology solutions to those who need it most.

Linking you to Nebraska's broadband network.

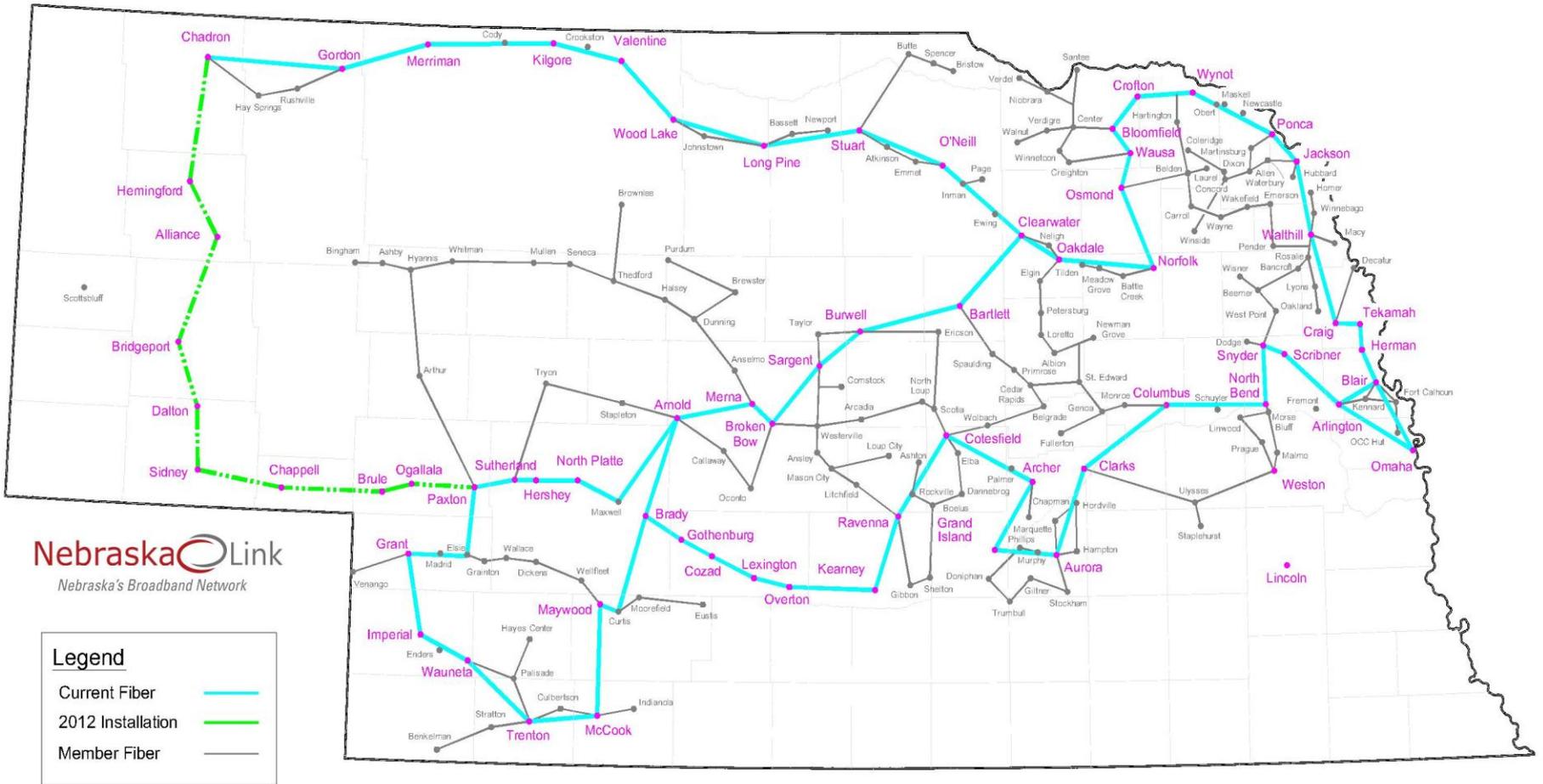
What we do...

- High Speed Internet Access and Digital Multimedia
- Carrier Ethernet with Fully Meshed Connectivity from 10 Mbps to 10 Gbps
- Wavelength Transport with speeds from 2.5 Gbps to 10 Gbps
- Cellular Backhaul
- Private Line Services include T1, DS3, OC-n and Ethernet
- Network Planning and Consulting
- 24x7 Proactive Network Monitoring and Measuring
- Tier-3 Data Center Collocation
- Managed Routing Solutions
- Turn-key IP Phone Solutions

Who we link...

- Wholesale carrier access and transport providers
- Independent telephone and service providers
- State and local government agencies
- Educational networks, colleges, public and private schools
- Healthcare, financial, agricultural, manufacturing and multi-site industries
- Communities with business partners

The NebraskaLink Network



NebraskaLink
Nebraska's Broadband Network

NebraskaLink

How we do it....

NebraskaLink can link you to the world - through our 2000+ mile self-healing optical network throughout Nebraska.

This network is built with fiber optics, has a capacity of 400 Gigs of total ring bandwidth and is able to provide services such as Carrier Ethernet, SONET and MPLS.

The network also includes 500 miles of newly constructed fiber, three fully redundant and diverse DWDM rings, and over thirty new points of presence within the state.

BTOP Grant

In September of 2010; NebraskaLink became a proud recipient of a \$11.5 million dollar Broadband Technologies Opportunities Program (BTOP) Infrastructure grant provided by the National Telecommunications and Information Administration (NTIA) through the American Recovery and Reinvestment Act .

This grant was awarded to NebraskaLink to deploy new broadband facilities (e.g., laying new fiber-optic cables) and to connect “Community Anchor Institutions” (CAI’s) such as schools, libraries, hospitals, and public safety facilities.

Through the grant, NebraskaLink is helping to ensure sustainable community growth and provide the foundation for enhanced broadband services in the rural Nebraska communities we serve.

Connecting Nebraska Communities

- By the fall of 2013, NebraskaLink will have connected well over 100 Community Anchor Institutions with speeds between 10 Mbps to 10 Gbps.
 - 110 estimated K-12 Public School connections
 - Over 30 public State institutions
 - 9 Libraries or more (in partnership with the NE Library Commission)
 - 12 community colleges
 - 35 healthcare facilities
 - 10 City/County offices
- We will have facilitated more affordable and accessible broadband services to an estimated 85,000 households and 8,000 businesses by enabling local internet service providers to utilize our network.

Grant Timeline

Completed Cities

North Platte

Kearney –currently in progress

Valentine –currently in progress

O'Neill –currently in progress

McCook : Scheduled completion June 2012

Grand Island: Scheduled completion August 2012

Sidney: Scheduled completion September 2012

Alliance: Scheduled completion September 2012

Chadron: Schedule completion October 2012

Our Extended Footprint

Grant Cities:

- North Platte, Kearney, O'Neill, Valentine, Grand Island, Sidney, Alliance, Chadron, McCook

Interconnected LEC Networks (through January 2012):

- American Broadband, Allo, Arapahoe Telephone, Benkelman, Clarks, Consolidated, Cozad, Frontier, Glenwood, Great Plains, Hamilton, Hartelco, Hershey, K&M, Nebraska Central, Northeast Nebraska, Pierce, Plainview, Stanton, Three Rivers, Windstream

Other interconnected networks:

- 360, Charter, South Dakota Network, Iowa Network Services, Verizon, Cogent, Hurricane Electric, Unite Private Networks, INDATEL members.

How can you benefit from these technologies?

Increase operational effectiveness and efficiency:

- Flexible - Voice/audio, video, and data on one medium
- Model agnostic – centralized or distributed biz architecture
- Take advantage of the Cloud
- Deeper supplier pool

Increase availability of your services - geography less relevant:

Tele-Health

Marketing/Information

Catalogs

Education

IS-based business

On-line

Kick-start collaboration and innovation:

- Video/audio conferencing from every workstation
- Desktop sharing

Bridging the Digital Divide

NebraskaLink is already helping bridge the digital divide:

- By improving access to educational institutions
 - Enabling Distance Learning
 - Bringing technology to the most remote of areas
- By improving access to healthcare services
 - Enabling Tele-Medicine
 - Bringing metro specialists to the rural clinics and hospitals with a click of a button
- By boosting economic development for communities
 - Enabling communities access to fiber and bigger broadband infrastructure

Questions?





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We want to hear from you!

Share your evaluation of today's Broadband Webinar.

Click and complete:

<http://go.unl.edu/bbevaluation>

Please join our next session, February 15:

Deb Bass from NeHII



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This Broadband Mapping and Planning Initiative is funded through a grant to the Nebraska Public Service Commission by the U.S. Department of Commerce's National Telecommunications and Information Administration and aims to increase broadband adoption and utilization.

Our Partners



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