

THE
Magical World
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Nebraska  Link

Nebraska's Broadband Network

Broadband Provider Panel

Paul Ludwick, Chief Executive Officer



OPASTCO's 49th Annual Winter Convention

January 14–18, 2012

Lake Buena Vista, Florida • Disney's Contemporary Resort

Who we are

- A Nebraska independent fiber optic network operator offering “middle mile” broadband services
- Formed in 2010 by seven Nebraska independent Local Exchange Companies
- Based in Lincoln
- Recipient of an \$11.5 MM BTOP Infrastructure grant award to construct 500 miles of buried and aerial fiber network (+ \$5 MM of matching private funding)
- Serve Nebraska through a 2000+ mile fiber optic network



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Broadband services that we offer

- Carrier Ethernet – 10 Mbps thru 10 Gbps
- Wavelength Transport – 2.5 Gbps thru 10 Gbps
- Cellular Backhaul
- Private Line Services – DS-3, OC-n, and Ethernet
- Direct Internet Access – Tier 2 provider
- MPLS
- Managed Routing Solutions
- Network Planning and Consultation
- 24x7 Network Monitoring and Performance Measuring



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Our partners and customers

- Local Exchange Companies and CLECs
- Mobile Network Operators
- Nation-wide carrier network operators
- State, county, and local government
- State university and K-12 educational systems
- State, regional, and city economic development
- Enterprise
 - Multiple location businesses (banks, co-ops, etc.)
 - Call Center Operators
 - Data Center Operators
 - Internet Access Providers

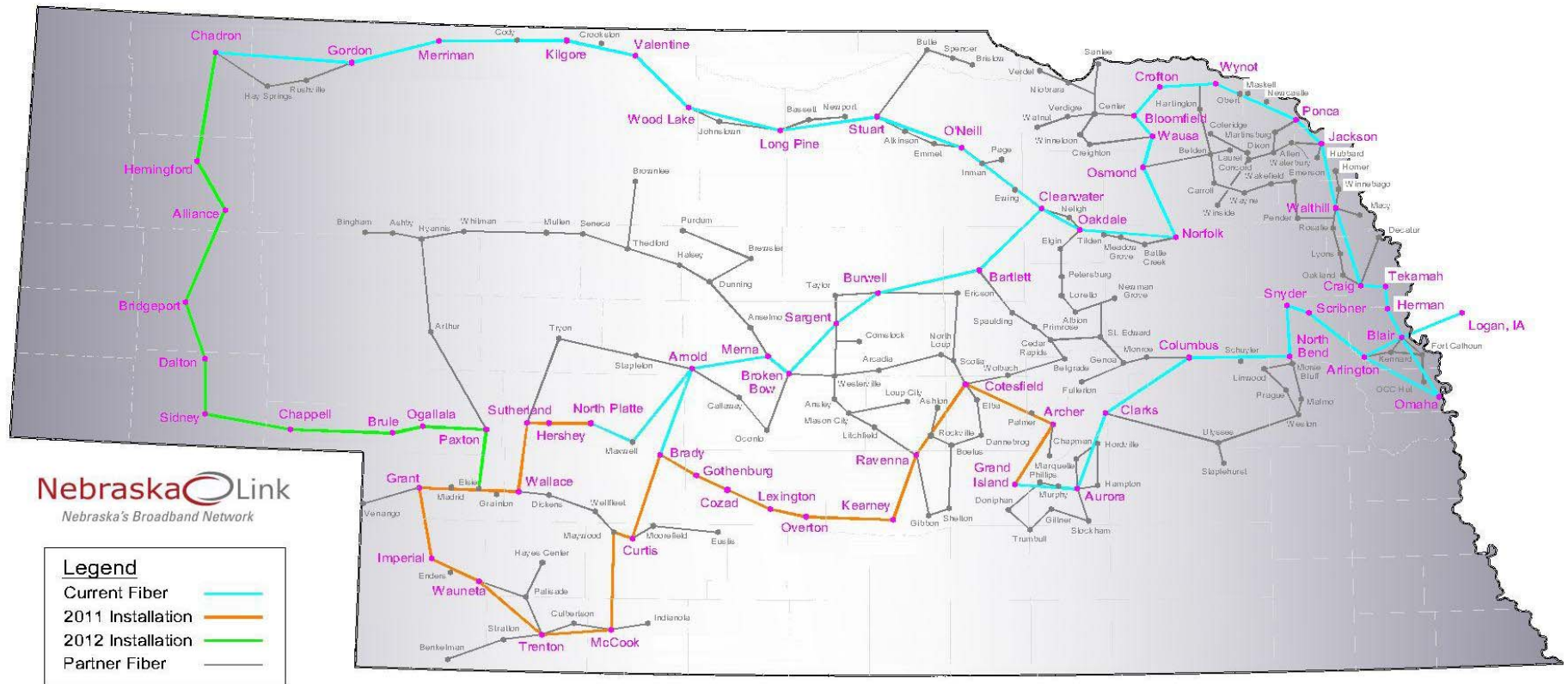


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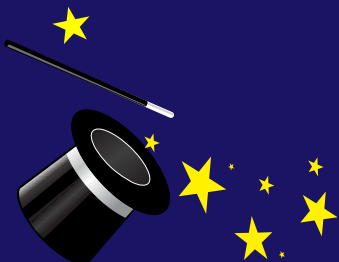


The NebraskaLink Network



NebraskaLink
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Legend	
Current Fiber	
2011 Installation	
2012 Installation	
Partner Fiber	



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Our extended footprint

Grant Cities:

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

Interconnected LEC/CLEC Networks: (through 1/2012):

- American Broadband, Consolidated, Great Plains, Hamilton, Hartelco, NCTC, NNTC, K&M, Three Rivers, Pierce, Plainview, Stanton, Frontier, Windstream, Clarks, Hershey, Benkelman
- Pending LEC/CLEC interconnections: Arapahoe, Glenwood, Cozad, Elsie, Mainstay, Sand Hills Wireless, Skywave Wireless, Connecting Point, TeleBeep

Other interconnected networks:

- Allo, Charter, South Dakota Network, Iowa Network Services, Verizon, Cogent, Hurricane Electric, Unite Private Networks, McCook Net, INDATEL members
- Pending Interconnections: Zayo, Level 3

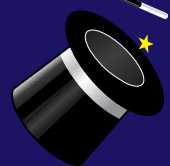
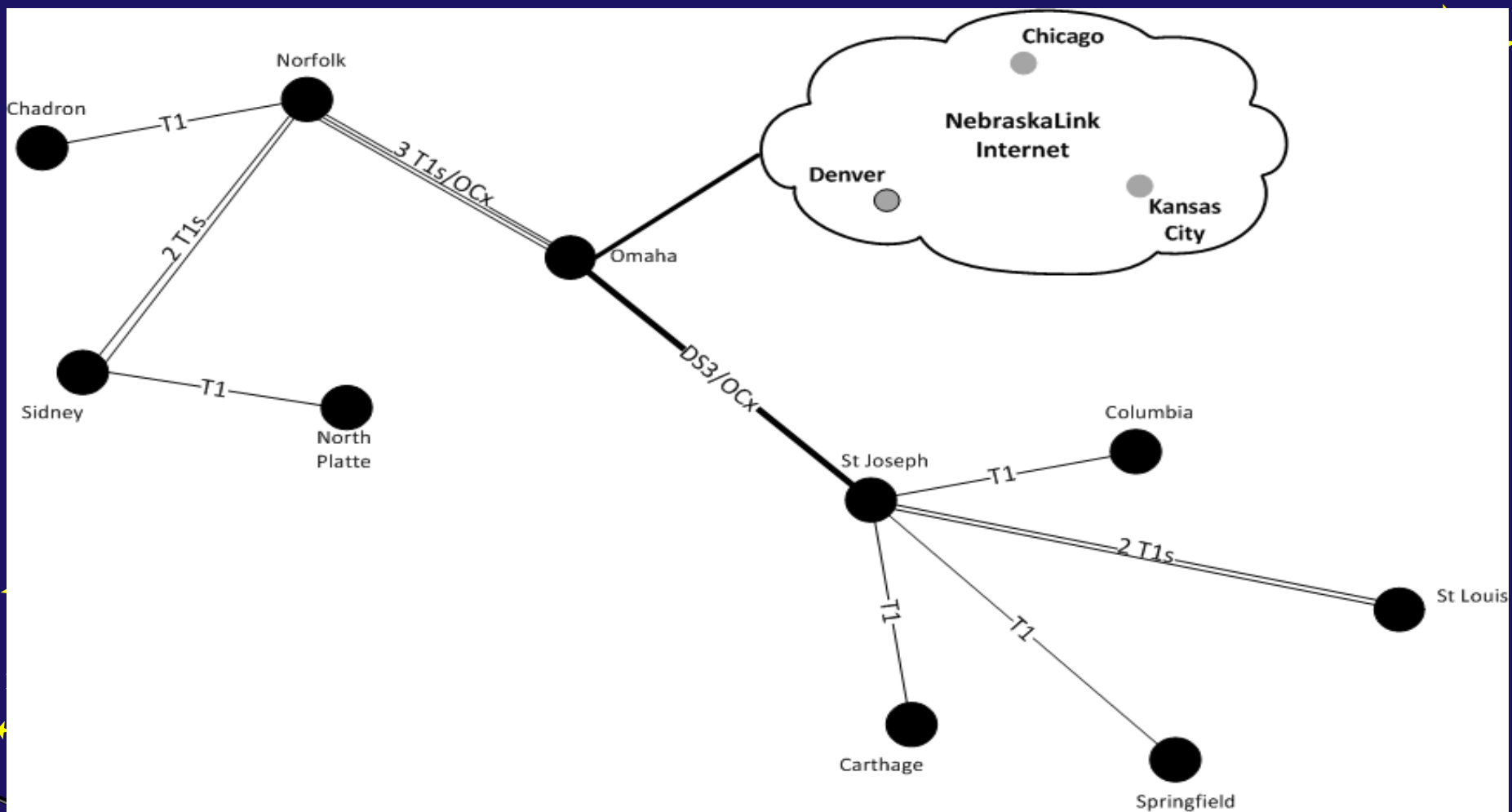


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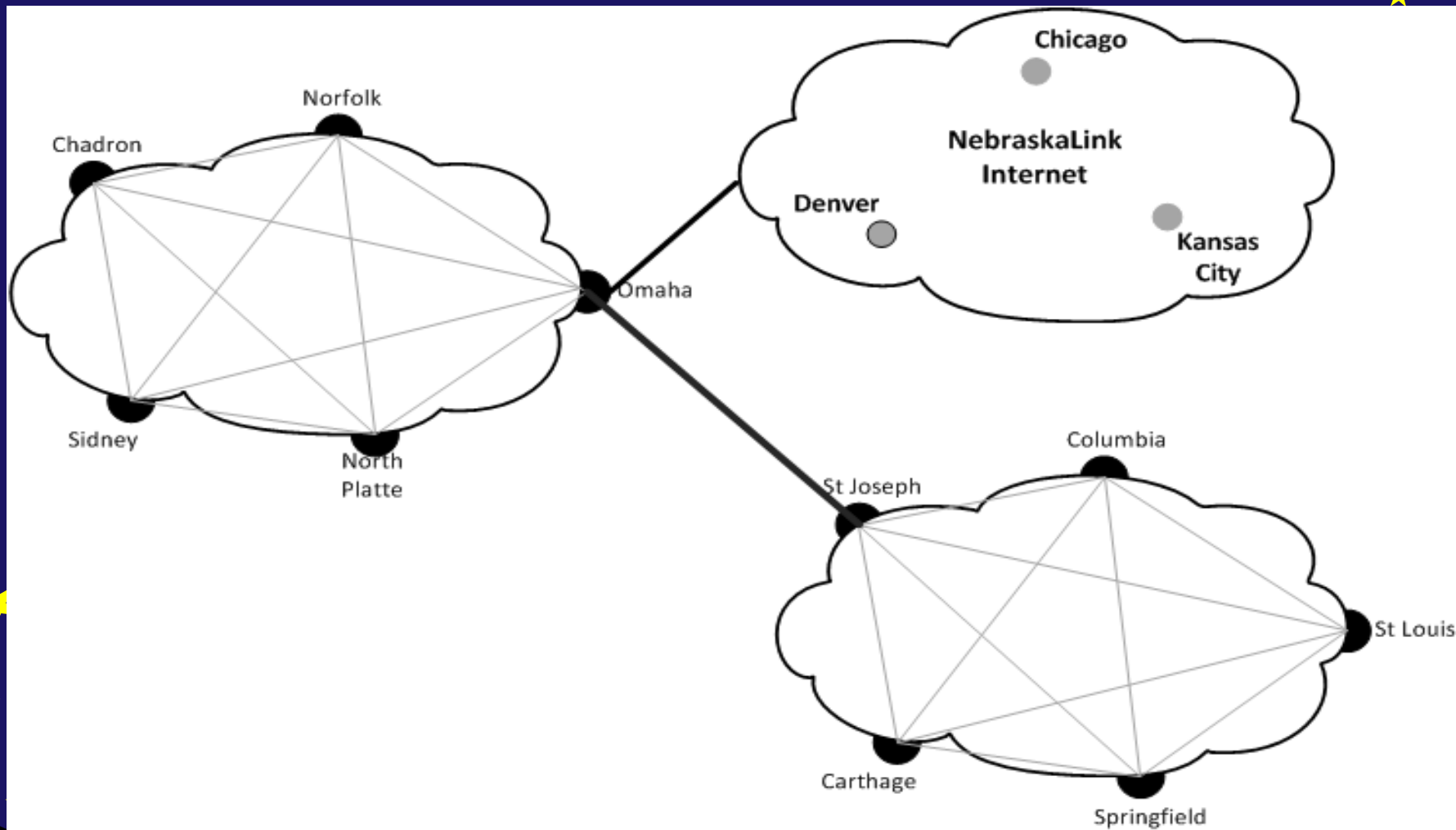
TDM, Optical Transport, and Internet



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Ethernet, MPLS, and Internet



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Benefits of interconnecting ?

- Increased number of options for internet access.
- Increase your universe of customers.
- Increase the reach of your network.
- Sell to multi-location enterprises HQed in your area.
- Offer your customers carrier tier services.
- Use the middle-mile provider as your access provider for the 'Z' location.
- Middle mile provider supplies technical sales resources.
- Middle mile provider and other networks will sell onto your network for enterprise and other business not typically sold by LEC.
- Increase the attractiveness of your area to business, small and large.



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Tech benefits to the end customer and the community

Access to cutting edge services - geography less relevant:

Tele-Health

Internet –based

Access to

Business

government services

Education

IS-based business

Collaboration and innovation:

Video/audio conferencing

Desktop Sharing

Increased operational effectiveness and efficiency:

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



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Thanks



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