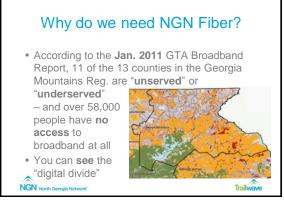


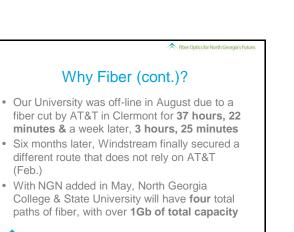
Fiber Optics for North Georgia's Future Fiber Optics for North Georgia's Futu What is NGN? What is NGN (cont.) • NGN is a 501(c)(12) cooperative (just like EMCs • Focus is Core 260-mile and rural telephone cooperatives) ring (core fiber loop) Received \$33.5M in ARRA/BTOP funds to build Additional middle-mile fiber fiber connectivity in north Georgia, with \$8.8M will connect "anchor" in-kind & matching locally, including \$2.5M from institutions & areas OneGeorgia (through the Development Authority of Lumpkin County) Last-mile fiber will serve businesses and some • Vision is to bring north Georgia to the right home customers in mostly side of the 'digital divide' rural, unserved areas Trailwave NGN North Georgia Netwo

NGN North Georgia Net

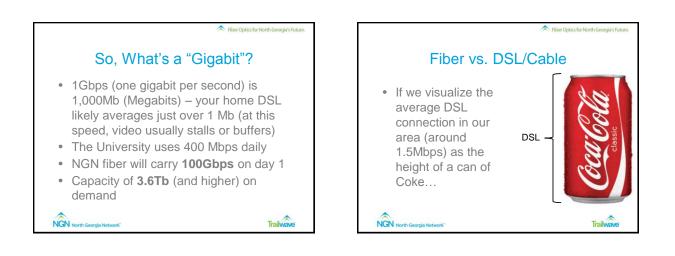
Fiber Optics for North Georgia's Future

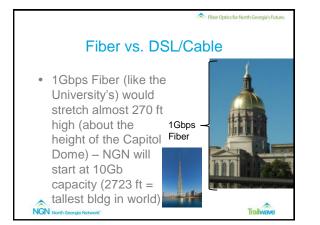


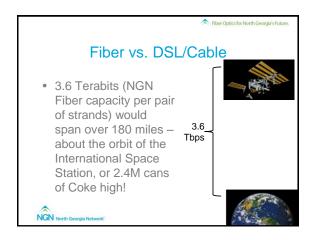
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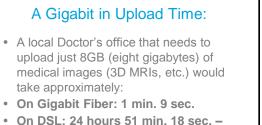
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 On DSL: 24 hours 51 min. 18 sec. – MORE THAN ONE FULL DAY!!! And, that's IF the connection doesn't drop or stall!



Trailwave

A Gigabit in Upload Time (cont.):

- A business/home user who wants to back up a single 250GB hard drive offsite would take approximately:
- On Gigabit Fiber: 35 min. 48 sec.
- On DSL: 32 Days 8 hrs. 43 min. over a month! And that's theoretical, of course, because the connection would stall out long before, so the
 real answer is NEVER...

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What does Gigabit mean to the University?

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Fiber Optics for North Georgia's Futi

- First, no more downtime!
- Second, North Georgia is planning to apply for membership to the GigU consortium – 37 gigabit-connected universities that provide regional economic development & education services over that connectivity

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- such as eCommerce, eGovernment, high definition video, social networking
- Allow businesses to better compete in the global economy
- Industrial/business parks -> GigaParks!

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What does Gigabit mean to the region (cont.)?

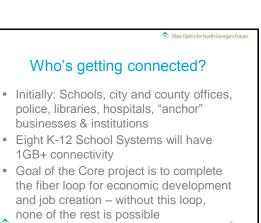
- Support more robust healthcare services & even telemedicine
- Provide our citizens with world-class access and connectivity
- Bridge the "digital divide" between broadband haves and have-not's
- Bringing thousands of north Georgia businesses and families to the right side of the digital divide

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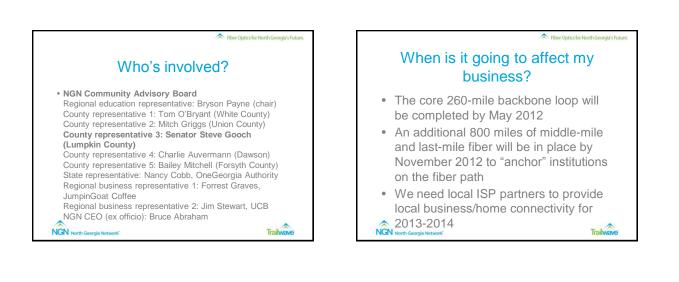
What does Gigabit mean to the State?

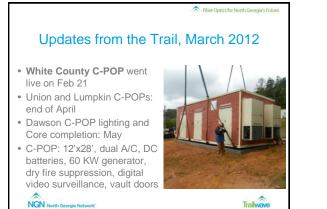
- The ultra-high-speed fiber in the North Georgia Network just adds to the story that Georgia already has to tell
- Governor Deal: "Georgia is the economic engine of the South." (Jan. 2012)
- NGN is adding to the **economic engine** of the state.
- We're giving businesses one more reason to bring jobs to Georgia.

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Fiber Optics for North Georgia's Future.

Thank you for your time!

- Questions/Answers
- Copies of the presentation: Email me at <u>bpayne@northgeorgia.edu</u> , Also available online at www.brysonpayne.com

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North Georgia Network
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Trailwave