State Broadband Planning: Achieving Success, Overcoming Challenges

The Best Laid Plans

BroadbandUSA Webinar Series
August 17, 2016
BroadbandUSA Webinar Series

• Third Wednesday of the month:
• August 17, 2016
• September 21, 2016
• October 19, 2016
• November 16, 2016
• December – no webinar
• January 18, 2017
Registration is Required for Each Webinar

• Webinars will be announced on the BroadbandUSA website, http://www2.ntia.doc.gov/ under Events.

• The series is under development. We are interested in your suggestions for future webinars.

• Please email your comments to:

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Today’s Presenters

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Active and Engaged Communities

North Carolina’s Broadband Infrastructure
ACTIVE AND ENGAGED
BROADBANDIO

TECHNICAL ASSISTANCE PROGRAM
On-the-ground support to implement a proven process for broadband expansion

CONVENING & AGGREGATING
Align & coordinate the state’s digital infrastructure resources, programs & relevant state agencies

STRATEGY & GUIDANCE
Provide policy & strategy guidance & recommendations

CREATING THE NATION’S FIRST GIGA-STATE BY 2021

EXTENDING WI-FI ACCESS TO EVERY CLASSROOM IN THE STATE

EXPANDING BROADBAND ACCESS TO UNDERSERVED COMMUNITIES
FirstNet is a 4G wireless data communications cellular network providing emergency responders with a robust data interoperability capability – where none exists or for when commercial services are overloaded or under duress (i.e. hurricanes, ice storms, beach weekends).

- Data, Video, Image & Text
- Interoperability
- Prioritized, reliable network for advanced communications
NC BROADBAND INTERAGENCY GROUP

- Share Information
- Leverage State resources/assets
- Incentivize Public/Private Collaborations
- Reduce Impediments
- Leverage State, federal, and private dollars
DEPLOYMENT FUNDING

CDBG: $1.25 million

ARC Small Downtown WiFi Grants: $300,000

Stokes County: $250,000

Cumberland County: $250,000
CONNECTING NORTH CAROLINA
State Broadband Plan
www.ncbroaddband.gov/sbp
One lesson from the last year is that in a few years, the gigabit divide will NOT be about wealth or density; it will be between those communities that had a plan and those who didn’t.

Blair Levin
Former Executive Director of the National Broadband Plan
<table>
<thead>
<tr>
<th>Incentivize investment/reduce barriers: Next-generation infrastructure</th>
<th>Close the 'homework gap'</th>
<th>Create community-based adoption &amp; utilization programs and initiatives</th>
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<td>Enhance public safety and first responder connectivity</td>
<td>Integration of broadband into economic development strategies</td>
<td>Leverage telehealth technologies</td>
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Information Technology
CONNECTING NORTH CAROLINA

- USDA Rural Utilities Service Grant funded $25.4 million FTTH broadband project.
- Service with speeds from 25 mbps to 1 gig up and down available to 100% of the County.
- Yancey County’s 3 large industrial manufacturers have improved their productivity and increased employment and efficiency.
HAYWOOD COUNTY
BROADBAND TASK FORCE

• Advised taskforce creation
• Demand aggregation
• Prepared for Providers’ Meeting
• Demand Aggregation
• Provider Recruitment
• USDA Application
COMING SOON
ARC AND BROADBANDIO TOOLKIT

Setting Goals → Team Building → Identifying Resources/Info Gathering → Strategies (Plan)

Go for it! ↔ Funding ↔ Reassess Goals
SERVING RURAL COMMUNITIES

XYZ
Telecom Focus Site #3

Site 3 is located at Tatem Boulevard SE, between Perko Blvd and Fairhaven Road in this site is approximately 2.5 miles from the serving central office in XYZ— the NPA, NXX is (818) 240, 251, 167, 314, 352, 325.

**Telecom Infrastructure Near Site**
- Company X is the incumbent local exchange carrier (ILEC).
- Multiple telephone companies have fiber installed along Tatem Blvd. In addition, telephone fiber intersects Tatem Blvd at Perko Blvd, 21st St SE, and 23rd St SE. Telephone fiber feeds from the north at Main Ave to 29th St SE.
- Company Y has fiber and coax available along the eastern and western sections of Tatem Avenue with no apparent fiber or coax between 21st St SE and 31st St SE. Cable fiber feeds from Highland Ave at 21st St SE to feed this section and Fairhaven Rd to service the western section of this focus site.
- Has fiber crossing this site from the north end to the south west near the intersection of 26th St DR SE and also has fiber installed feeding their 9th St LN SE facility.
- There are 20 cell towers within a 5 mile radius of

**Legend**
- Telephone Fiber Cable
- Cable TV Fiber Cable
- Cable TV Coaxial Cable
- Other Fiber
- Focus Site Boundary

SPECIFIC RESOURCES
INFRASTRUCTURE DATA

BroadbandIO has Infrastructure Data for 13 of the most-distressed counties in North Carolina

Includes detailed data on economic development sites

Examining how infrastructure data can be shared, or aggregated and shared
ENHANCING OUTREACH

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Questions and Comments

• Please type your questions in the chat or q&a box.

• Slides and Transcript will be posted on the BroadbandUSA website within 7 days after the webinar.  
  http://www2.ntia.doc.gov/

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