

Welcome to
Broadband 101



Thanks to Sara
Nichols, Erica
Anderson & Land of
Sky Team

Remember this technology?



Sara gave
me three
tasks!

Welcome

Importance of
endeavor

West Next Generation
Network

So -



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Importance: Things you already know!

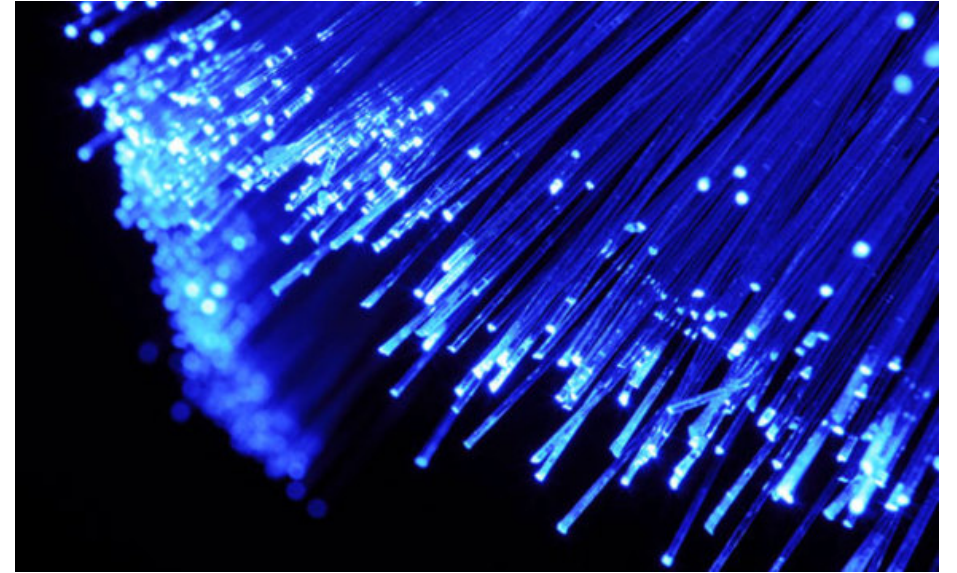
- Access to high speed broadband is essential to the future of Western North Carolina!
 - Telemedicine
 - Education
 - Commerce
 - Tourism
 - Governmental services
- Gigabit speeds are needed
 - 100 Mbps by 2020 (National plan)
 - 1 Gigabit by 2030



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Importance: Things you already know!

- Fiber is essential for every part of Western North Carolina!
 - Area does not want separation of haves and have nots
 - Fiber is reliable and long lasting
 - 5 G wireless requires fiber backbone



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Importance: Things you already know!

- Solutions require public/private partnerships
 - Current approach treats broadband as a private, not public good
 - Government limits governments providing service
 - Critical need for data and selling of potential markets for private firms



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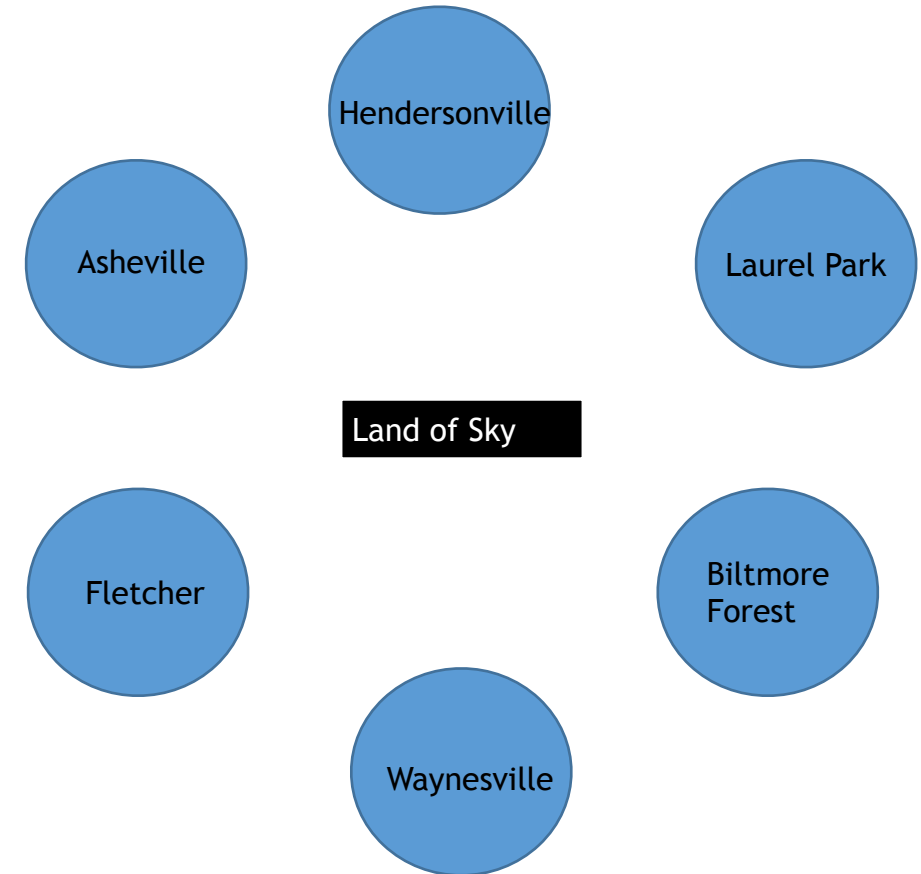
Our approach has been to
build upon the work of the
NC Next Generation
Network organization & use
state expertise



My one good picture is back!

WNGN - Two Phases

- Phase 1 - Urban areas along fiber networks with available “dark fiber”
 - Asheville, Waynesville, Hendersonville, Fletcher, Laurel Park & Biltmore Forest
 - RiverStreet and Hotwire selected from RFN



Phase One Update

- Public hearings in four cities with RiverStreet
 - Hendersonville, Fletcher, Laurel Park & Biltmore Forest
- Working on getting public feedback about market potential
- Asheville - conversations with new city manager
- Waynesville - potentially inviting RiverStreet to analyze market
- UNCA students developing an App



Laurel Park Public Hearing - Dec. 2018

WNGN - Two Phases



- Phase 2 - Less urban areas in Land of Sky service region (Henderson, Transylvania, Buncombe & Madison Counties)
 - Building local rural capacity
 - Jeff Sural - NC DIT
 - Keith Connover
 - Amy Huffman
 - (others)

More from Sara and
today presenters

Future requires
Collaboration
Innovative
strategies
Money



Theme for our future
Fiber on every
street

5G cell on every

Allows WNC to be
competitive!

street corner or in
every holler



Theme provided by Stagg Newman -
former chief technologist for the FCC.

You all get an A! –
Assuming you pay
attention

