Broadband Development in West Virginia
West Virginia Broadband Enhancement Council
Robert Hinton, Chairman l October 11, 2018

broadband.wv.gov

Our Mission

To oversee the development of policies, plans and procedures for extending broadband into unserved and underserved areas of West Virginia.

2018 FCC Broadband Report

	Population in Millions	Fixed 25 Mbps/3 Mbps		State Standing
		Population With Access	Percent of Population	
United States	322.518	297.766	92.30	
Maryland	6.001	5.85	97.50	8
Pennsylvania	12.774	12.124	94.90	15
Ohio	11.61	10.724	92.40	22
Tennessee	6.64	6.049	91.10	24
Virginia	8.387	7.617	90.80	27
Kentucky	4.428	3.799	85.80	39
West Virginia	**1.83**	**1.504**	**82.20**	**44**

West Virginia Ranks 44th

For percentage of residents with access to broadband internet service.

West Virginia trails all surrounding states.
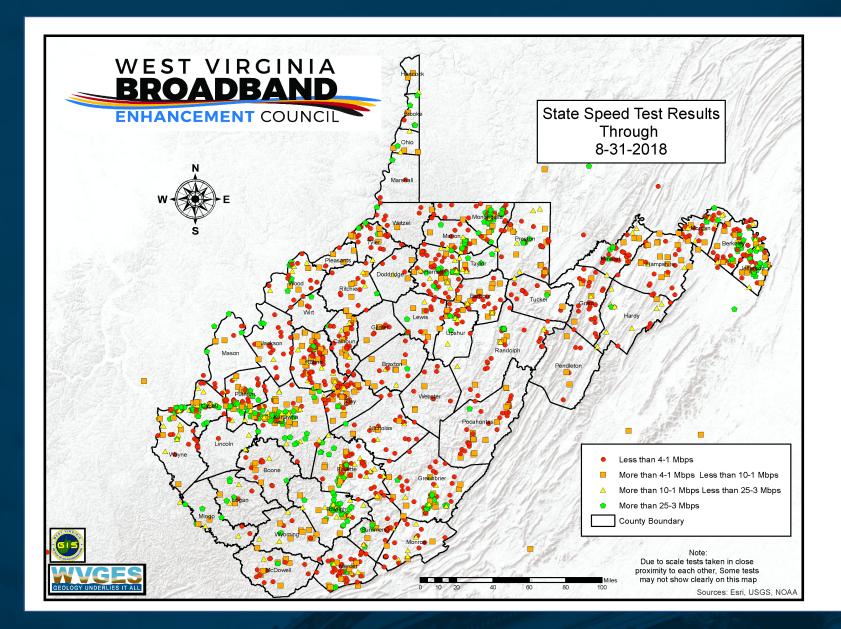
US Ranks 10th in the World

Per Akamai Technologies (Q1 2017)

2018 FCC Broadband Deployment Report

Accurate Broadband Data

1. FCC Data Gaps Remain

2. West Virginia Speed Test Portal: **broadband.wv.gov**

   www.speedtest.net or Ookla App

3. Statewide Broadband Coverage Maps

The Council continues to advocate for address-level broadband mapping.

West Virginia Speed Test Portal

broadband.wv.gov

40,000 Geocoded Tests
through August 2018

40 Percent of Tests
Less than 25:3

3,000 Online Surveys

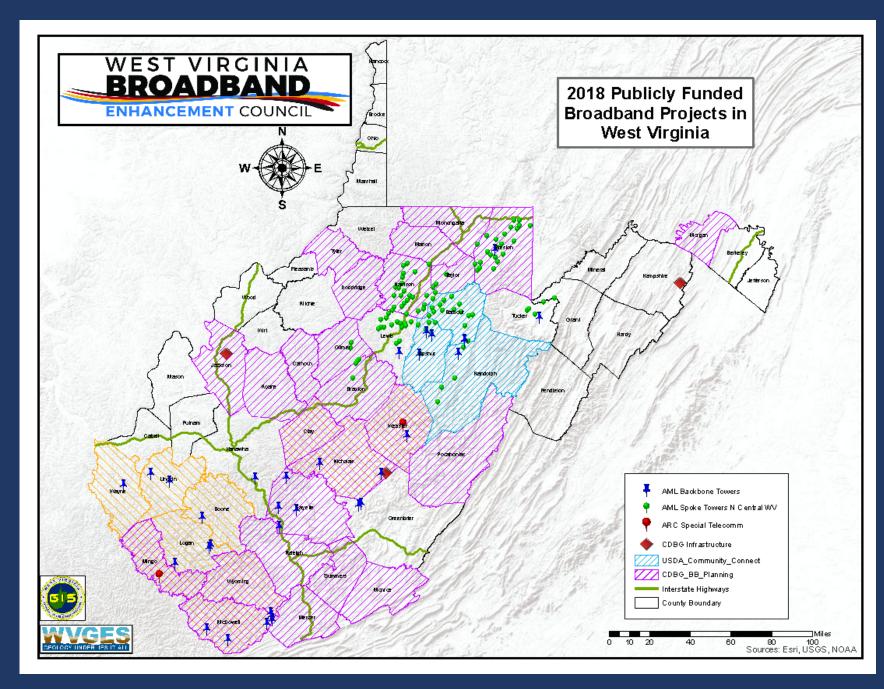Nearly 1 million total speed tests
in West Virginia 2017-2018

State Speed Test Results
Through
8-31-2018

Legend
- Less than 4-1 Mbps
- More than 4-1 Mbps Less than 10-1 Mbps
- More than 10-1 Mbps Less than 25-3 Mbps
- More than 25-3 Mbps
- County Boundary

Note:
Due to scale tests taken in close
proximity to each other, Some tests
may not show clearly on this map

Sources: Esri, USGS, NOAA

Local Partnerships

1. Coordination of 12 county/regional projects representing 27 counties.

2. Expanded CDBG Funding - FY 2018 CDBG due <u>October 30, 2018</u>.

3. Project development through USDA, US EDA, ARC, AML

4. Promoting Formation of Public Private Partnerships

Broadband is a top priority among local governments in West Virginia.

Broadband Projects

Local Government	Project	Program
Clay County-Regional	Calhoun-Clay-Roane Regional Plan	CDBG
Fayette County	Fayette County Broadband Plan	CDBG
Gilmer County-Braxton County	Fixed Wireless Design Plan	CDBG
Hampshire County	Broadband Fiber Expansion Project	CDBG Infrastructure
Jackson County	Sandyville Tower Wireless Project	CDBG Infrastructure
Mingo County	Mingo-Town of Gilbert Design Plan	CDBG
Morgan County	Morgan County Broadband Plan	CDBG
Multi-County	Mountain State Broadband Expressway	AML
Nicholas County-Richwood	Richwood-Hinkle Mountain Pilot Project	CDBG Infrastructure
Taylor County	Regional Broadband Strategic Plan	CDBG
Tyler County	Tyler County Broadband Plan	CDBG
Upshur, Barbour, Randolph Counties	Central WV Development	USDA Community Connect
Webster County-Regional Plan	Broadband Initiative for Southern WV	CDBG
Webster County	Fiber, Wireless System	ARC Special Telecomm
Williamson Health and Wellness	Downtown Fiber Build	ARC Special Telecomm
Wyoming County-Regional Plan	Regional Broadband Strategic Plan	CDBG

2018 Publicly Funded Broadband Projects in West Virginia

West Virginia
Broadband Projects

USDA Community Connect

AML Backbone Towers
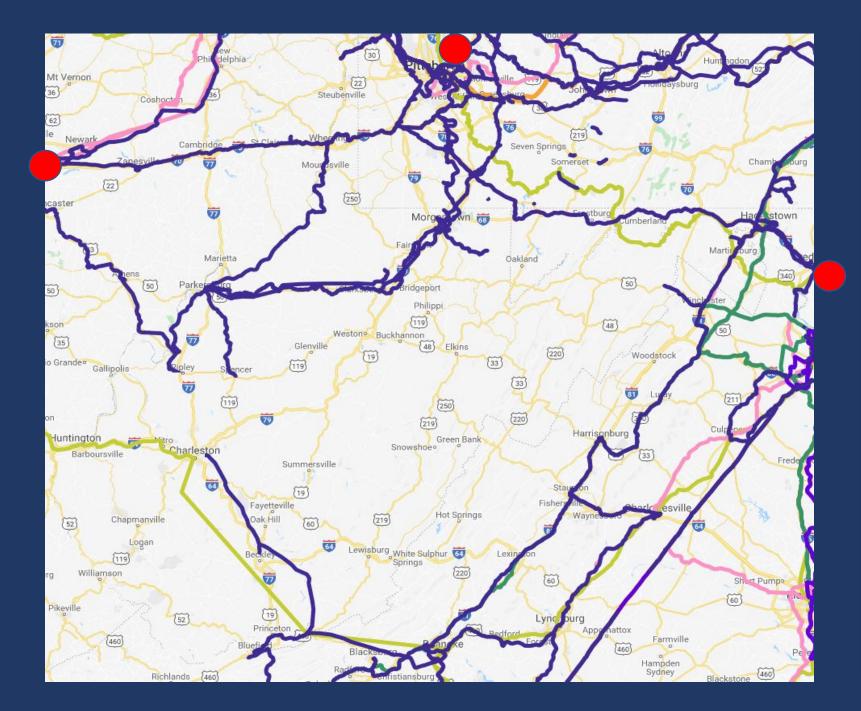
AML Spoke Towers

CDBG Infrastructure

CDBG Planning

ARC POWER (Pending)
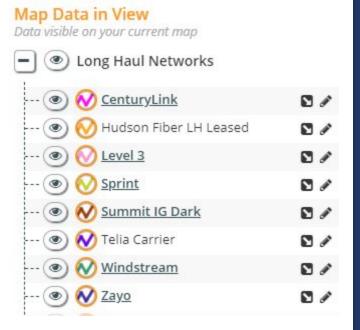ARC Special Telecomm (Pending)

State Initiatives

1. Market and Recruit Long Haul Fiber Investments

2. Legislative Development – State and Federal

3. Coordination with West Virginia Division of Highways

   • Utility Accommodation: SB 445 Encouraging Broadband Development

   • Dig Once Policy: HB 4447 Identifying Investment Opportunities

   • Leverage Public Road Right-of-Way for Infrastructure Development

West Virginia's proximity to Internet Exchanges provides a significant advantage.

West Virginia Long-Haul Fiber Routes

As reported by FiberLocator

Map Data in View
Data visible on your current map

Long Haul Networks

- CenturyLink
- Hudson Fiber LH Leased
- Level 3
- Sprint
- Summit IG Dark
- Telia Carrier
- Windstream
- Zayo

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Why Broadband?

54 Percent of Households
Have fixed Internet access,
up from 20 percent in 2008

3.5 Billion People
Use the Internet,
nearly half the global population

7.9 Billion Mobile Subscriptions
Were active in Q1 2018

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