NTIA Broadband Programs

Georgia Gigabit Communities Summit

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Today's Speaker

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Agenda

- NTIA Overview

- NTIA Broadband Programs
  - BTOP & SBI
  - BroadbandUSA

- Q&A

About NTIA

- Part of the U.S. Department of Commerce
  - NTIA is responsible (by law) for advising the President on telecommunications and information policy issues

- Specific NTIA activities:
  - Managing the Federal use of spectrum
  - Administering programs that further the deployment and use of broadband
  - Developing policy on issues related to the Internet economy
  - Performing cutting-edge telecommunications research and engineering with both Federal government and private sector partners

NTIA Broadband Programs

BTOP and SBI

Infrastructure (116): $3.1B
Construct or upgrade middle-mile broadband networks.

Public Computer Centers (66): $201M
Provide access to broadband, computers, training, and educational resources.

Sustainable Broadband Adoption (44): $250M. Promote broadband adoption, especially among vulnerable populations.

State Broadband Initiative (56): $292.6M Gather data for use in the National Broadband Map.

BroadbandUSA

- Technical Assistance to Communities, States, and Federal Partners
- Broadband Guidance and Publications
- Events and Webinars
- Federal Partnerships & the Broadband Opportunity Council
- Community Connectivity Initiative

Key BTOP & SBI Impacts

Deployed over 116,000 miles of fiber, connecting more than 25,000 community anchor institutions.

Established or upgraded 3,000 public computer centers.

Helped over 670,000 households sign up for broadband service.
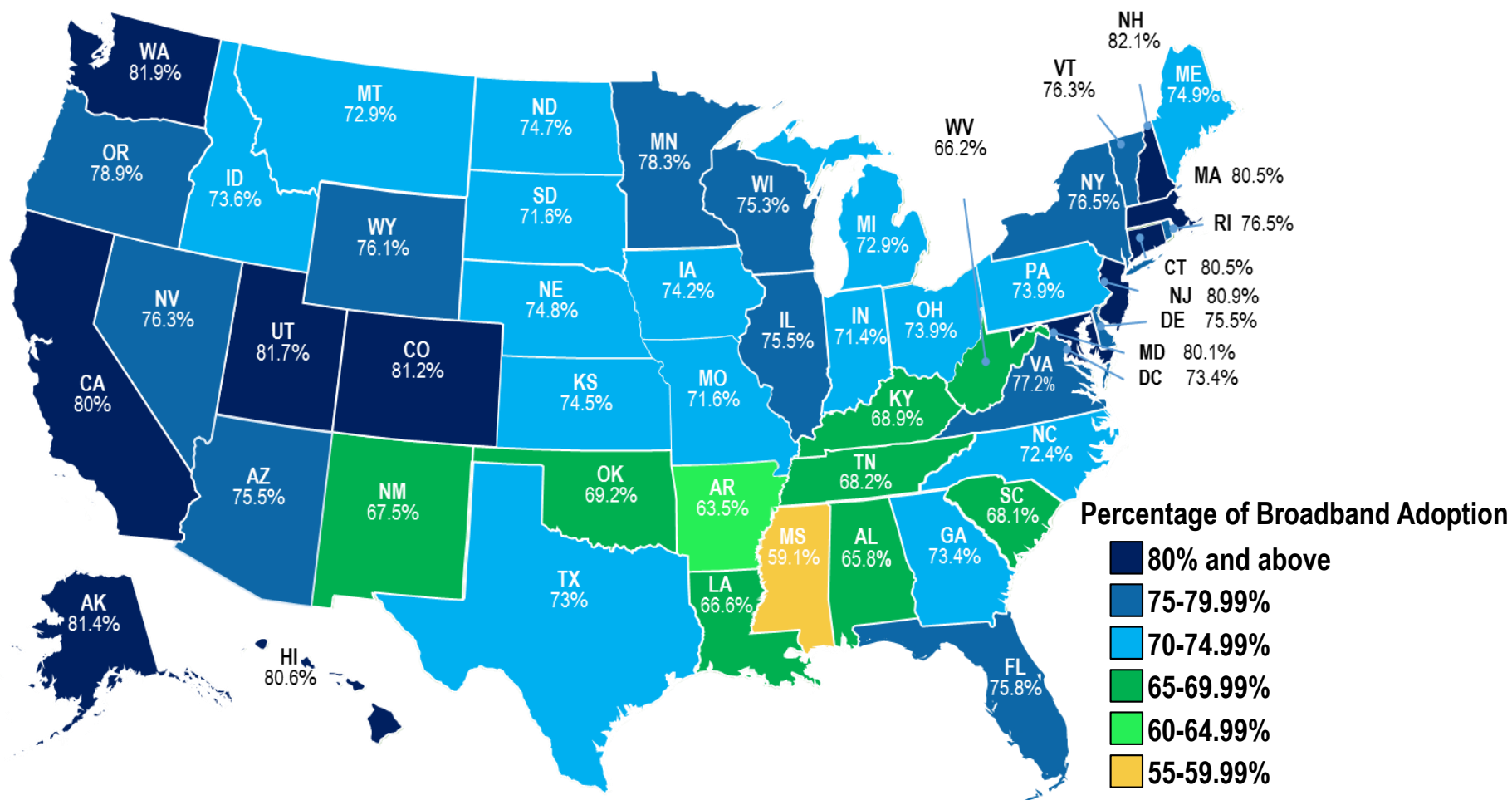
Supported more than 200 local broadband planning teams.

Impacted more than 7,600 communities across the nation.

To Explore an Interactive Map of Communities and Benefits Visit: http://www2.ntia.doc.gov/BTOPmap/

ASR Analytics BTOP Study

Impact	Description
Increased Economic Output	BTOP infrastructure projects expected to yield $5.7B to $21.0B in increased annual economic output.
Long-Term Increased Levels of Employment	BTOP infrastructure projects estimated to produce more than 22k long-term jobs and generate more than $1B in additional household income each year.
Increased Value to New Broadband Subscribers	Value of broadband Internet access to the average household is 3.4% of household income. A 2% increase in broadband availability yields $2.6B in value.
Improved Availability	Projects targeted at rural areas, seniors, and those living in poverty are estimated to have improved broadband availability for 4.3M people.
Short-Term Employment and GDP Increases	Economic models indicate that BTOP created 79k year-long jobs during implementation, with an associated economic output of $12.9B. Thus, $1 in BTOP spending yielded $2.81 in total output.

For More Information See: http://www.ntia.doc.gov/files/ntia/publications/asr_final_report.pdf

Still, nearly 30 million American households don't subscribe to broadband at home

Percentage of Broadband Adoption

- 80% and above
- 75-79.99%
- 70-74.99%
- 65-69.99%
- 60-64.99%
- 55-59.99%

WA 81.9%
MT 72.9%
ND 74.7%
MN 78.3%
NH 82.1%
VT 76.3%
ME 74.9%
OR 78.9%
ID 73.6%
WY 76.1%
SD 71.6%
WI 75.3%
MI 72.9%
NY 76.5%
MA 80.5%
RI 76.5%
WV 66.2%
CT 80.5%
NJ 80.9%
DE 75.5%
MD 80.1%
DC 73.4%
NV 76.3%
IA 74.2%
NE 74.8%
IL 75.5%
IN 71.4%
OH 73.9%
PA 73.9%
UT 81.7%
CO 81.2%
CA 80%
KS 74.5%
MO 71.6%
KY 68.9%
VA 77.2%
AZ 75.5%
NM 67.5%
OK 69.2%
AR 63.5%
TN 68.2%
NC 72.4%
SC 68.1%
MS 59.1%
AL 65.8%
GA 73.4%
TX 73%
LA 66.6%
AK 81.4%
HI 80.6%
FL 75.8%

Source: U.S. Census Bureau, American Community Survey, released 2014

NTIA's BroadbandUSA program supports communities that are looking to close this gap

- Provides assistance to communities that want to improve their broadband capacity and use broadband more effectively

- Offers expert, impartial advice and field-proven tools for assessing broadband adoption, planning new infrastructure, and engaging a wide range of partners in broadband projects

- Brings stakeholders together to solve problems, contribute to emerging policies, and link communities to other federal agencies and funding sources

What are BroadbandUSA's Goals?

BroadbandUSA serves as a strategic advisor to help communities implement broadband deployment and digital inclusion programs to drive economic development, advance education and healthcare, support public safety and expand access to government services.

Connecting America's Communities

- Helping communities expand local broadband connectivity and access
- Ensuring robust bandwidth for schools, libraries, hospitals, government buildings and other community anchor institutions
- Promoting next-generation, gigabit-capable networks

Getting Americans Online

- Advancing digital literacy training and broadband adoption efforts to close the digital divide among vulnerable populations
- Supporting programs to provide online job search assistance and help small businesses get online
- Promoting programs to provide subsidized computer equipment and low-cost access to those who otherwise couldn't afford it

Promoting Economic Development

- Ensuring communities have advanced, high-speed telecommunications networks to attract businesses, create jobs and drive growth
- Supporting local efforts to deploy cutting-edge infrastructure needed to compete in the 21st Century economy
- Connecting rural communities to broader resources and opportunities

BroadbandUSA Focuses on Community Outcomes

Products & Events

- Publish Guidance & Tools
- Share Best Practices
- Convene Stakeholders
- Establish Open Dialogue

Partnerships

- Clarify Policy
- Advise States & Feds
- Recommend Best Practices
- Improve Coordination

Technical Assistance

- Advise Communities
- Support Regional Teams
- Infrastructure
- Digital Inclusion

Community Connectivity Initiative

Framework
- Structures and broadens local discussions
- Lowers barriers to entry

Assessment
- Promotes deep community conversations
- Turns data into information

Reports
- Helps build case for action
- Aligns broadband assets and gaps with community priorities and available resources

Supporting Resources
- Aligns resources with actions
- Provides structure to attract new investments
- Creates common measures for assessment, research, and policy

For More Information See: https://www.ntia.doc.gov/category/community-connectivity-initiative

Community Connectivity Initiative Webinar Series

BroadbandUSA is hosting a monthly webinar series on the second Thursday of each month, from 2:00 p.m. to 3:00 p.m., Eastern time starting in July.

- July 14th
- August 11th
- September 8th
- October 13th
- November 10th

- December 8th
- January 12th
- February 9th
- March 9th

Registration is open on the BroadbandUSA website.

Broadband Opportunities Council

Established by Presidential Memorandum on March 23, 2015

- Co-chaired by DOC and USDA, with 25 member agencies

- Focused on Executive Branch potential for action

- Aims to coordinate federal policies to promote broadband deployment and adoption

— Addressing regulatory barriers

— Encouraging public and private investment

— Promoting broadband adoption and meaningful use

— Supporting broadband deployment, competition and adoption

For More Information See: http://www.ntia.doc.gov/category/broadband-opportunity-council

Broadband Opportunity Council Update

- BOC Recommendations
  - Modernize Federal programs to expand program support for broadband investments.
  - Empower communities with tools and resources to attract broadband investment and promote meaningful use.
  - Promote increased broadband deployment and competition through expanded access to Federal assets.
  - Improve data collection, analysis and research on broadband.

For More Information See:
https://www.whitehouse.gov/sites/default/files/broadband_opportunity_council_report_final.pdf

Other NTIA Broadband Initiatives

ConnectAll

- President Obama announced ConnectAll in March 2016
- Bold goal of 20M more Americans online by 2020
- NTIA will focus Technical Assistance to support projects in progress, particularly among public housing and vulnerable populations
- Working with the FCC on the Lifeline program
- Developing the BroadbandUSA Community Connect Initiative

Broadband Research Agenda

- BOC Recommendation: Strategies to "improve data collection, analysis, and research on broadband"
- Goals:
  - Research
  - Data Collection & Collaboration
  - National Research Agenda
  - Multiple BOC-Participating Agencies
- Request for Comment: Sept, 2016
- Federal Agency Survey: Coming soon

Ways to contact BroadbandUSA

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- **Website:** www.ntia.doc.gov/broadbandusa