



OCCD Conference November 7, 2012



Presented by:

Jason Wilson, Director, Governor's Office of Appalachia
Stu Johnson, Executive Director, Connect Ohio





ACCESS



ADOPTION



USE

Connect Ohio is a subsidiary of Connected Nation and operates as a nonprofit in the state of Ohio, working to blanket Ohio with broadband Internet access and dramatically improve the use of related technology. This comprehensive initiative works across all sectors of the state economy to accelerate the availability and use of broadband in order to create:

- Affordable broadband availability for all of Ohio
- More effective community and economic development
- Enhanced education
- Improved healthcare
- More efficient government

Grant Details

- Connect Ohio is funded in part by a \$6,000,000.00 grant administered by the NTIA State Broadband Initiative (SBI) program to the Ohio Office of Information Technology. The grant is active through 2014.
- Connect Ohio is also funded by a \$6,900,000.00 grant administered by the NTIA Broadband Technology Opportunities Program (BTOP), which is active through 2013.
- Total Grant Funding - \$12,900,000.00
- Additional information can be found at www.broadbandusa.gov.



ACCESS

Broadband Mapping & Research

Connect Ohio and Connected Nation maintain the most comprehensive set of broadband market data to help state and national government officials and businesses make informed investments.



ADOPTION

Digital Literacy Training

74% Of surveyed participants completing Every Citizen Online training indicate they will subscribe to broadband at home. The free basic computer & Internet training is offered at **300 locations** in 85 of Ohio's 88 counties through partnerships with Goodwill Industries, YMCAs, county Job & Family Service organizations, libraries, and community colleges.



USE

Creating Meaningful Use

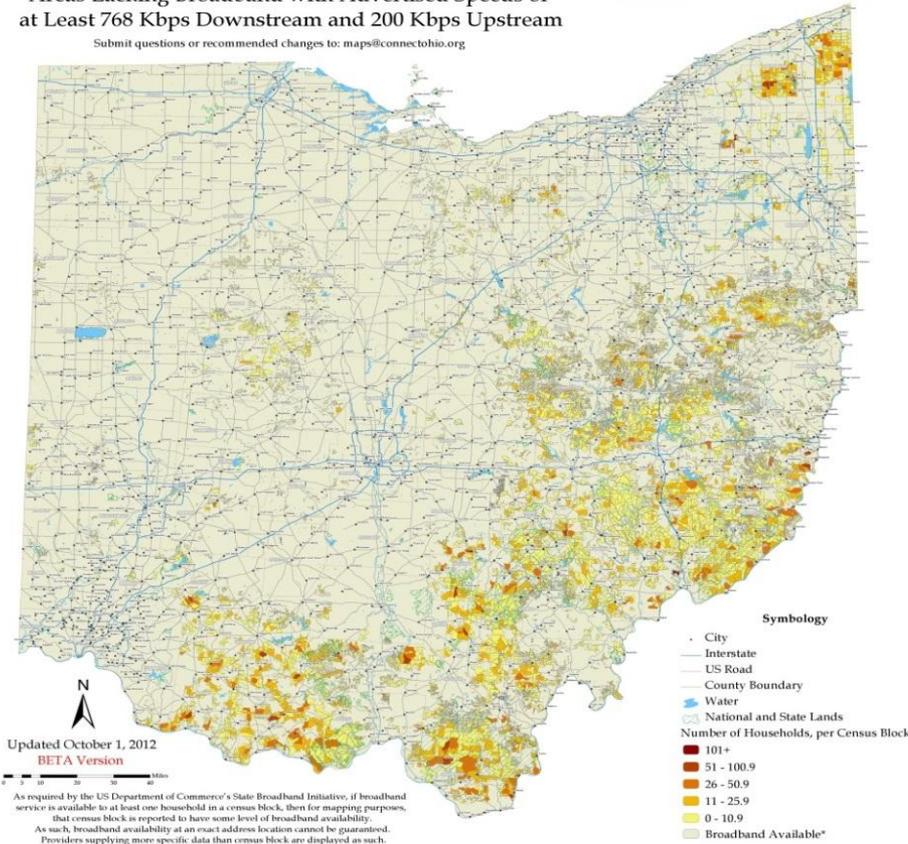
23% of Ohio families with children are not using the Internet, though they may have access. Our outreach programs are aimed at helping residents learn the benefits of using high-speed Internet in their daily lives, as well as tackling the issues of affordability and access.

46% Of Ohio residents without home broadband service indicate the lack of a computer as a barrier to adoption. Participants enrolled in our training programs are automatically eligible for low-cost computers and reduced-cost broadband services.

Number of Households Unserved by a Broadband Provider by Census Block

Areas Lacking Broadband with Advertised Speeds of at Least 768 Kbps Downstream and 200 Kbps Upstream

Submit questions or recommended changes to: maps@connectohio.org



Updated October 1, 2012
BETA Version

As required by the US Department of Commerce's State Broadband Initiative, if broadband service is available to at least one household in a census block, then for mapping purposes, that census block is reported to have some level of broadband availability.
As such, broadband availability at an exact address location cannot be guaranteed.
Providers supplying more specific data than census block are displayed as such.

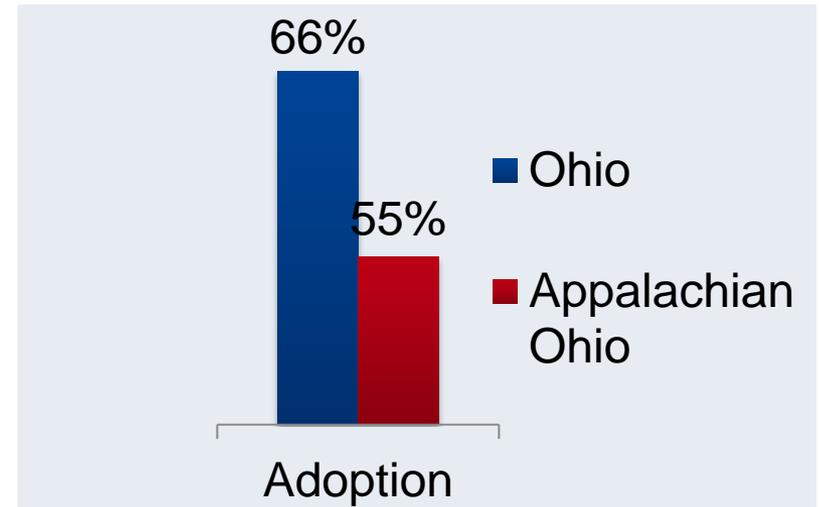
This map represents areas of broadband service availability determined by ongoing, in-depth technical analysis of provider networks and accommodations for the impact of external factors on service quality. Satellite broadband services may also be available.

Map users are encouraged to participate in improving broadband data granularity through data validation and field testing efforts. Learn more about this and other broadband mapping facts at www.connectohio.org.

*This does not include mobile wireless or satellite broadband services, which may be available.

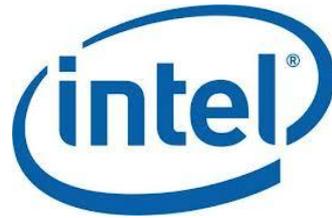
Connect Ohio has worked with broadband providers throughout the State to identify the gaps in broadband service - the first step in a statewide effort to "fill the gaps" for 100% broadband availability.

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CONNECT APPALACHIA BROADBAND INITIATIVE



Connect Appalachia Broadband Initiative



ACCESS

ADOPTION

2014

97%

MAPPING

ENGINEERING

FEASIBILITY

EXECUTION

MONITORING



66%

TRAINING

COMPUTER EQUIP

MONTHLY SERVICE

MONITORING

2012

87%



55%

2014

97%

MAPPING

ENGINEERING

FEASIBILITY

EXECUTION

MONITORING



ACCESS

2012

87%



FEDERAL NETWORK ACCESS POLICY - CAF

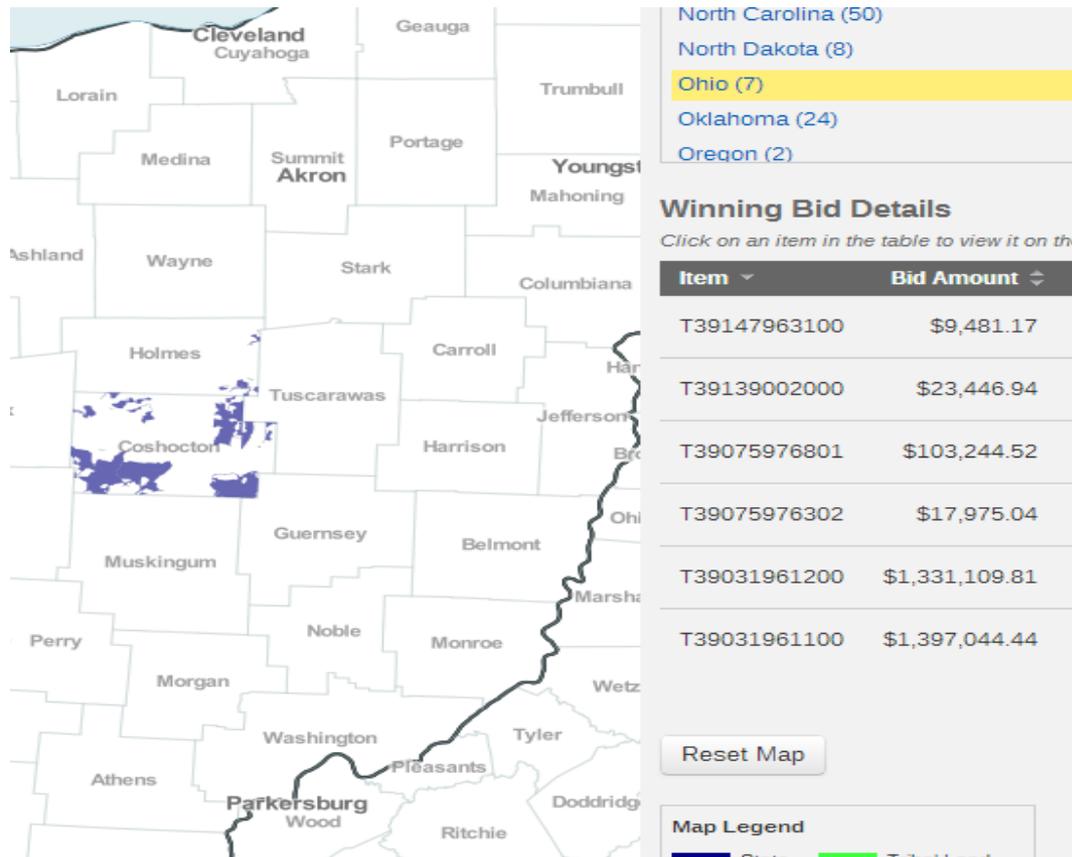


Connect America Fund Phase 1 – Unserved Subsidy (7/24/12)

Price Cap Carrier	Phase I Build-Out Commitment – Number of Locations
Alaska Communications Systems (ACS)	5,401
AT&T	0
CenturyLink	45,289
Cincinnati Bell	n/a
Consolidated Communications	543
FairPoint Communications	2,613
Frontier Communications	92,876
Hawaiian Telecom	518
Virgin Islands Telephone Co.	0
Micronesian Telecommunications	n/a
Puerto Rico Telephone Company (PRTC)	n/a
Verizon	0
Windstream Communications	843
Total	148,083

State	Price Cap Carrier	Accepted Subsidy Amount Per State Per Carrier	Build-out Commitment Per State Per Carrier – Number of Locations
Ohio	CenturyLink	\$65,100	84
	Frontier	\$1,749,000	2,257

Connect America Fund – Mobility Fund



FEDERAL NETWORK ACCESS POLICY - FIRSTNET

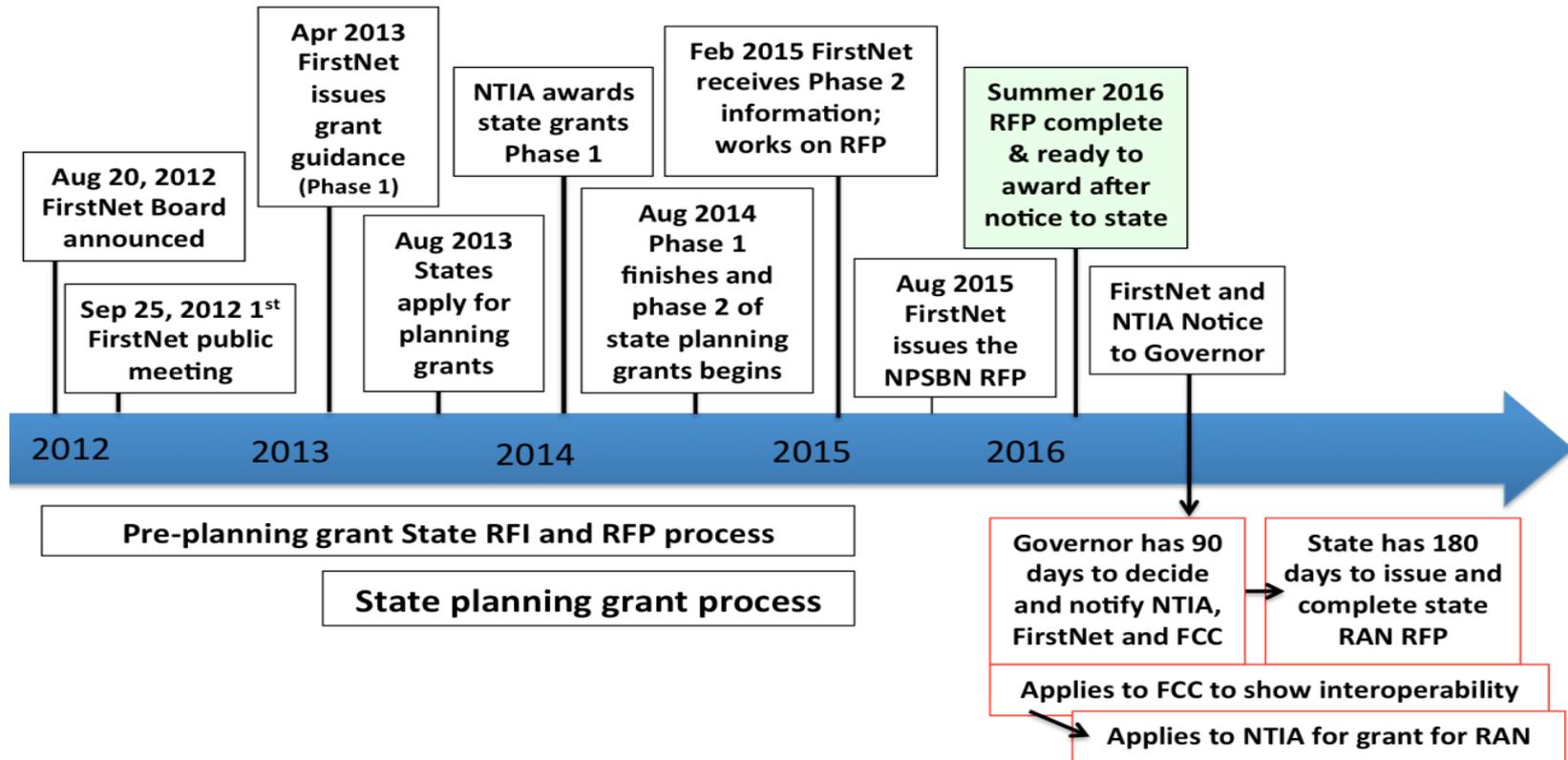


FirstNet is congressionally mandated to establish a nationwide wireless broadband network that enables police, firefighters, emergency medical technicians, and other first responders to effectively communicate with one another during emergencies and to use new technology to improve response time, keep communities safe, and save lives.

FEDERAL NETWORK ACCESS POLICY - FIRSTNET



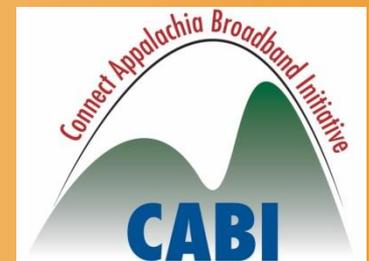
Conceptual Timeline for FirstNet's NPSBN Deployment



Conceptual Timeline for State Opt Out Decision



OHIO NETWORK ACCESS INITIATIVE





OHIO NETWORK ACCESS INITIATIVES



County	Population	Households	10/11 Served	4/12 Served	Delta	10/11 %	4/12 %	DELTA %	Unserved Households
Adams	28,550	11,147	6,888	7,372	-485	61.79	66.14	4.35	3,775
Athens	64,757	23,578	18,222	19,648	-1,426	77.28	83.33	6.05	3,930
Belmont	70,400	28,679	18,545	25,127	-6,582	64.66	87.61	22.95	3,552
Brown	44,846	17,014	14,842	15,344	-502	87.23	90.18	2.95	1,670
Carroll	28,836	11,385	9,551	9,415	137	83.89	82.69	-1.2	1,970
Clermont	197,363	74,828	74,623	74,700	-77	99.73	99.83	0.1	128
Columbiana	107,841	42,683	38,281	41,259	-2,979	89.69	96.66	6.97	1,424
Coshocton	36,901	14,658	10,903	11,435	-532	74.38	78.01	3.63	3,223
Gallia	30,934	12,062	7,497	8,905	-1,408	62.16	73.83	11.67	3,157
Guernsey	40,087	16,210	13,613	13,818	-205	83.98	85.24	1.26	2,392
Harrison	15,864	6,526	5,793	5,798	-5	88.76	88.84	0.08	728
Highland	43,589	16,693	13,320	14,495	-1,176	79.79	86.84	7.05	2,198
Hocking	29,380	11,369	8,391	7,734	657	73.81	68.02	-5.79	3,635
Holmes	42,366	12,554	7,565	7,493	72	60.26	59.69	-0.57	5,061
Jackson	33,225	13,010	10,494	10,661	-167	80.66	81.94	1.28	2,349
Jefferson	69,709	29,109	28,098	28,412	-314	96.53	97.6	1.07	697
Lawrence	62,450	24,974	21,988	22,047	-60	88.04	88.28	0.24	2,927
Meigs	23,770	9,557	6,711	6,577	134	70.22	68.82	-1.4	2,980
Monroe	14,642	6,065	816	3,047	-2,231	13.46	50.24	36.78	3,018
Morgan	15,054	6,034	3,763	3,959	-196	62.36	65.61	3.25	2,075
Muskingum	86,074	34,271	30,953	31,956	-1,003	90.32	93.25	2.93	2,315
Noble	14,645	4,852	2,830	3,040	-210	58.32	62.65	4.33	1,812
Perry	36,058	13,576	8,952	10,683	-1,731	65.94	78.69	12.75	2,893
Pike	28,709	11,012	10,152	9,202	950	92.19	83.56	-8.63	1,810
Ross	78,064	28,919	28,642	28,710	-67	99.04	99.28	0.24	209
Scioto	79,499	30,870	28,921	28,381	540	93.69	91.94	-1.75	2,489
Tuscarawas	92,582	36,965	32,853	32,562	291	88.87	88.09	-0.78	4,403
Vinton	13,435	5,260	3,117	3,188	-71	59.26	60.62	1.36	2,072
Washington	61,778	25,587	20,457	22,232	-1,775	79.95	86.89	6.94	3,355
	1,491,408	579,447	486,780	507,199	-20,419			118.11	72,247
			84.01%	87.53%					



ADOPTION



USE



TRAINING

COMPUTER EQUIP

MONTHLY SERVICE

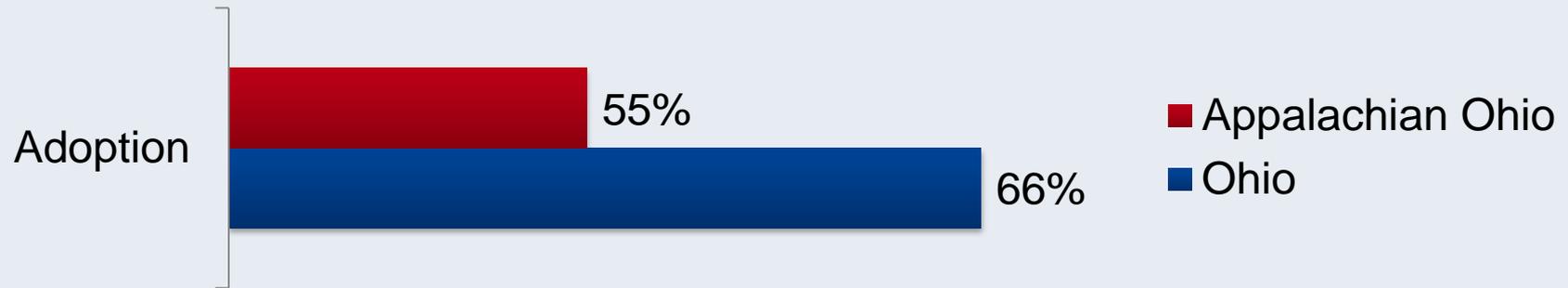
MONITORING



2014

2012

THE NEED

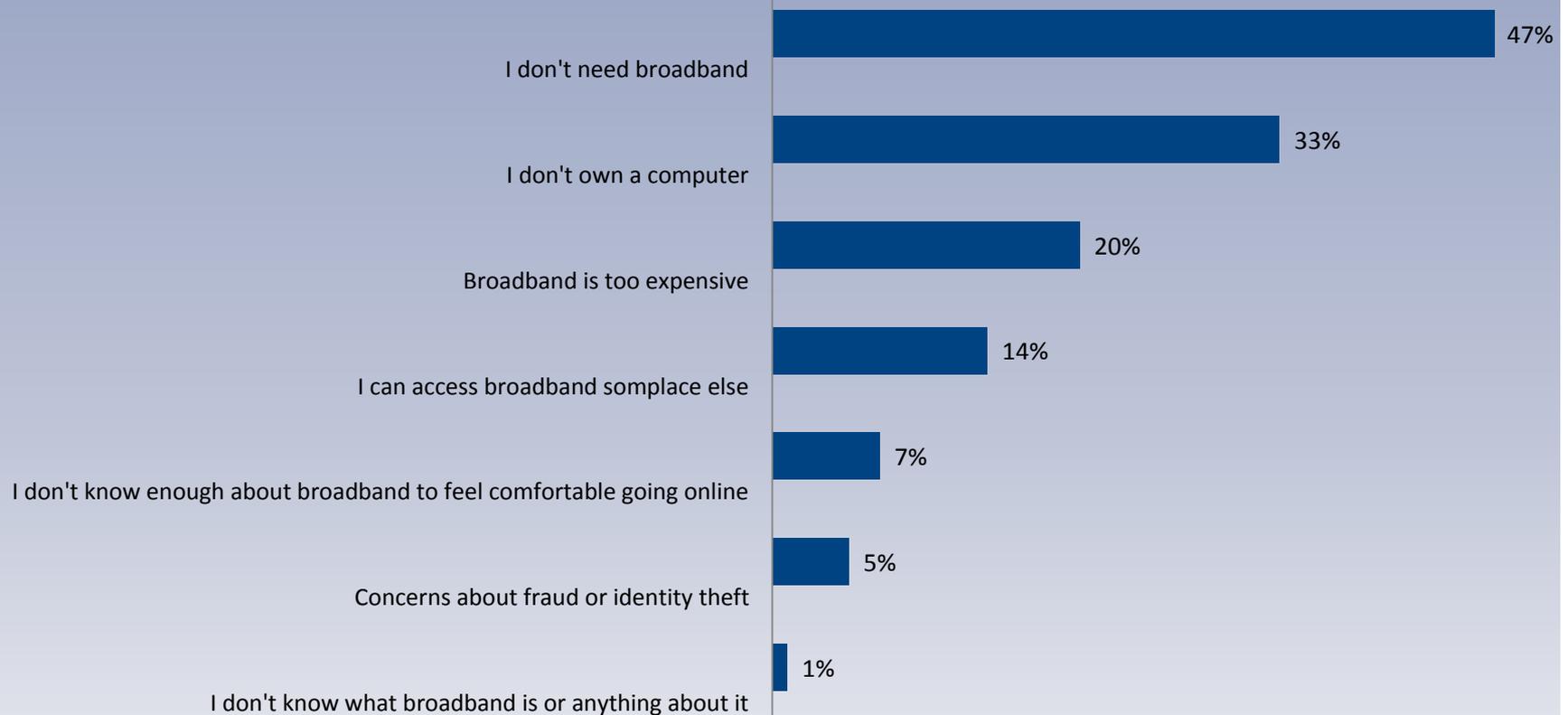


- **1 in 3** Appalachian Ohio children do not have broadband service at home
- **531,000** adults in rural Appalachia do not have home broadband
- **33%** of rural Appalachian Ohio households do not have a home computer.
- **40%** of businesses in Appalachian Ohio do not use broadband.
- Appalachian Ohio residents are nearly **2X** as dependent on dial-up Internet or accessing the Internet from places other than home compared to the rest of the state.

Findings revealed in Connect Ohio's recent
[*Technology Barriers and Adoption in Rural Appalachian Ohio*](#)

Barriers to Home Broadband Adoption

■ Rural Appalachia





FEDERAL ADOPTION AND USE POLICY - LIFELINE



NEWS

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Washington, D. C. 20554

News Media Information 202 / 418-0500
Internet: <http://www.fcc.gov>
TTY: 1-888-835-5322

This is an unofficial announcement of Commission action. Release of the full text of a Commission order constitutes official action.
See MCI v. FCC, 515 F 2d 385 (D.C. Circ 1974).

FOR IMMEDIATE RELEASE:
April 30, 2012

NEWS MEDIA CONTACT:
Mark Wigfield, 202-418-0253
Email: mark.wigfield@fcc.gov

FCC LAUNCHES COMPETITION TO IDENTIFY THE BEST WAYS TO INCREASE BROADBAND ADOPTION AMONG LOW-INCOME AMERICANS

Winners will receive funding for Lifeline pilot projects that test how best to increase adoption of high-speed Internet among low-income Americans, a group with strikingly low adoption levels

Washington, D.C. – For the first time ever – and as a result of tens of millions in savings from reform of its Lifeline program – the Federal Communications Commission is launching a competition to discover the best ways to increase broadband adoption rates among low-income Americans. The competition is funded by the newly created “Broadband Adoption Lifeline Pilot Program.” It builds on the Connect to Compete initiative, a public-private partnership aimed at helping to close the broadband adoption gap that was launched by the Commission last year.

Robust, affordable broadband has become essential to access jobs, education and economic opportunity. For example, more than 80 percent of Fortune 500 companies today – including Wal-Mart and Target – require online job applications. And students with broadband at home have a 7 percent higher graduation rate.

According to a recent study by the Pew Research Center, the top three barriers to broadband adoption include digital literacy, relevancy and cost. Low-income households adopt broadband at much lower rates than the average household, even when access to high-speed Internet is readily available. According to the U.S. Census Bureau, fewer than 36 percent of families with incomes less than \$25,000 subscribe to broadband at home, compared to nearly 92 percent of families with incomes over \$75,000.



FEDERAL ADOPTION AND USE POLICY – CONNECT2COMPETE



NEWS

Knight Foundation Awards \$3 Million to Connect2Compete

[Connect2Compete](#), a public-private partnership dedicated to closing the digital divide, has announced a \$3 million grant from the [John S. and James L. Knight Foundation](#) in support of its activities, including a collaboration with local stakeholders in Knight communities. The funds will count toward C2C's initial fundraising goal of \$20 million to provide low-cost Internet access, digital literacy training, and refurbished computers to low-income families. Earlier this year, Mexican tycoon Carlos Slim's [foundation](#) contributed \$3 million over three years to the partnership.

Founded in 2011, C2C aims to narrow the digital divide by making high-speed Internet access, computers, education and jobs content, and digital literacy training more accessible for families without Internet connections at home. The effort counts more than forty nonprofit and private-sector partners, including [Best Buy](#), the [League of United Latin American Citizens](#), the [National Urban League](#), and the [Boys & Girls Clubs of America](#).

"Low-income and minority Americans disproportionately find themselves on the wrong side of the digital divide — excluded from the \$8 trillion digital economy and all of its benefits. So, it is extremely gratifying to have the long-term support of the Knight Foundation to bridge that divide," said Zach Leverenz, CEO of C2C. "Connect2Compete, like the Knight Foundation, is committed to an ideal: that when citizens have access to technology and training, incredible transformation can occur in their lives and in our economy."

["Connect2Compete Announces \\$3 Million Grant From Knight Foundation."](#) *Connect2Compete Press Release 10/03/12.*

To provide connectivity to all low income Appalachian Ohio households in need.



ADOPTION



USE



CABI FUND: MAKE THE CONNECTION



Your donation of **\$535** to the CABI Fund at
Foundation for Appalachian Ohio
will provide the following to an Appalachian family

- Computer
- Technology Training
- Discounted Internet Service



\$50,000 contribution provides nearly 100 low income Appalachian Ohio households with computer, Internet training, and subsidized broadband service

Current Training Offers:

- Hands-on and instructor-led training classes
- 6 hour training class
 - 2 hours Basic Computer Skills and Programs
 - How to turn computer on/off, open programs, use mouse/cursor
 - 2 hours Basic Internet use and knowledge
 - How to open browser, Google search
 - 2 hours Internet Relevance and Meaningful Use
 - Create an e-mail account, online banking, hobbies, etc.
- Self-Paced continuing education offered online
- Surveys passed out after course completion for feedback

REFURBISHED COMPUTERS

- Intel Pentium 4 Processor
- 1 GB RAM
- 40 GB Hard Drive
- DVD Drive
- Fully Licensed Windows XP
- 15" Display Flatscreen Monitor
- All Required Cables and Power Cords
- 90-day warranty
- Free Initial Tech Support



CABI FUND: THE OBJECTIVE

ADOPTION

SOCIAL IMPACT

2014

66%

TRAINING

BROADBAND

COMPUTER

MONITORING



WORKFORCE
DEVELOPMENT

EDUCATION

ECONOMIC DEVELOPMENT

FAMILY EMPOWERMENT

HEALTHCARE

COMMUNITY ENRICHMENT

PUBLIC SAFETY

2012

55%



HELP MAKE THE CONNECTION

“The challenge we are focusing on today is that millions of Americans are being bypassed by the job opportunities of the broadband revolution – threatening to leave those Americans behind, and hurting our economy and competitiveness.”

Julius Genachowski, FCC Chairman, 7/16/12

7,500 families in need will have access to a technology that provides homework help, job training, healthcare, and other essential benefits



APPENDIX – CABI Task Force

Task Force Co-Chairpersons

- Jason Wilson, Director, Governor's Office on Appalachia
- Keith Fuller, Director of Corporate Development, Chesapeake Energy
- Stu Johnson, Executive Director, Connect Ohio

Project Manager

- Bart Winegar, Technical Outreach Manager, Connect Ohio

Committees and Committee Chairs

Commerce:

- Chair: Paul D. Prater, Community Affairs Manager, AEP Ohio & WV

Community Leaders:

- Chair: Tom Wheaton, Carroll County Commissioner
- Gregory R. Carver, Columbiana County Knox Township Trustee Chairman
- Greg DiDonato, Executive Director, Ohio Mid-Eastern Government Association

Education:

- Chair - Joy Padgett, former Director of Government Relations and Grants, Central Ohio Technical College, and former State Senator
- Angela Underwood, Executive Director, Ohio Mid-Eastern Regional Education Service Agency
- Cindy Bond, Community Development Educator, The Ohio State University Extension Department, Guernsey County

Finance:

- Chair: David Nadler, SVP / Chief Risk Officer, Ohio Valley Bank
- John Glazer, Director, TechGROWTH Ohio
- Lance Schneier, Adjunct Faculty Member, The Ohio State University Fisher School of Business

Government Affairs:

- Co-Chair : Katrina Flory, Executive Administrator, Ohio Office of Information Technology
- Co-Chair: Marianne Townsend, Chief, Telecommunications, Public Utilities Commission of Ohio
- Teri Finrock, Video Service Authorization & Deputy Chief Legal Counsel, Ohio Department of Commerce
- Jeanne Wilson, Sr. Appalachian Regional Representative, Office of U.S. Senator Sherrod Brown

Non-Profit:

- Chair: Cara Dingus Brook, President/CEO, The Foundation for Appalachian Ohio
- Robin Kinny, Energy Committee Chair for Rural Action, Internet Committee member of Central Appalachia Regional Network
- Ronald Rees, Executive Director, Corporation for Ohio Appalachia Development (COAD)

Providers:

- Chair: Ken Engstrom, Fiber Sales Manager, Horizon Telecom
- Dave Davidson, SVP/GM of Ohio, Frontier Communications - Local Exchange Carrier
- Ed Kozelek, Regional VP of Government Affairs, Time Warner Cable - CABLE Internet Service Provider
- David Weddell, CEO, CueBand - Wireless Internet Service Provider
- Denis Walsh, Director of Partner Relations, OARNet

Technology:

- Chair: Linda Kenworthy, Business Development Manager, Intel Americas
- Mark Muzzana, President, STG Communication Services, Inc.



OCCD Conference November 7, 2012



THANK YOU!

