



Programmatic Efforts to Increase Broadband Adoption and Usage – What Works and What Doesn't?

FCC Workshop August 19, 2009

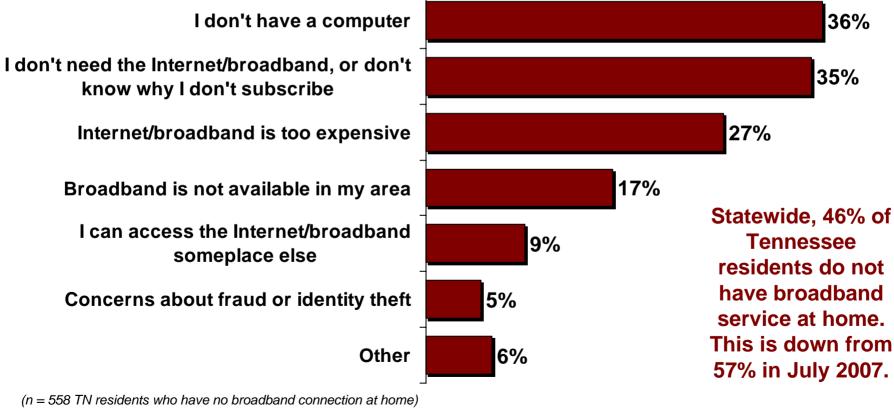
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Barriers to Broadband Adoption

Among Tennessee residents with no home broadband service



(n = 558 TN residents who have no broadband connection at home *Percentages do not add up to 100% because individuals could give multiple responses.

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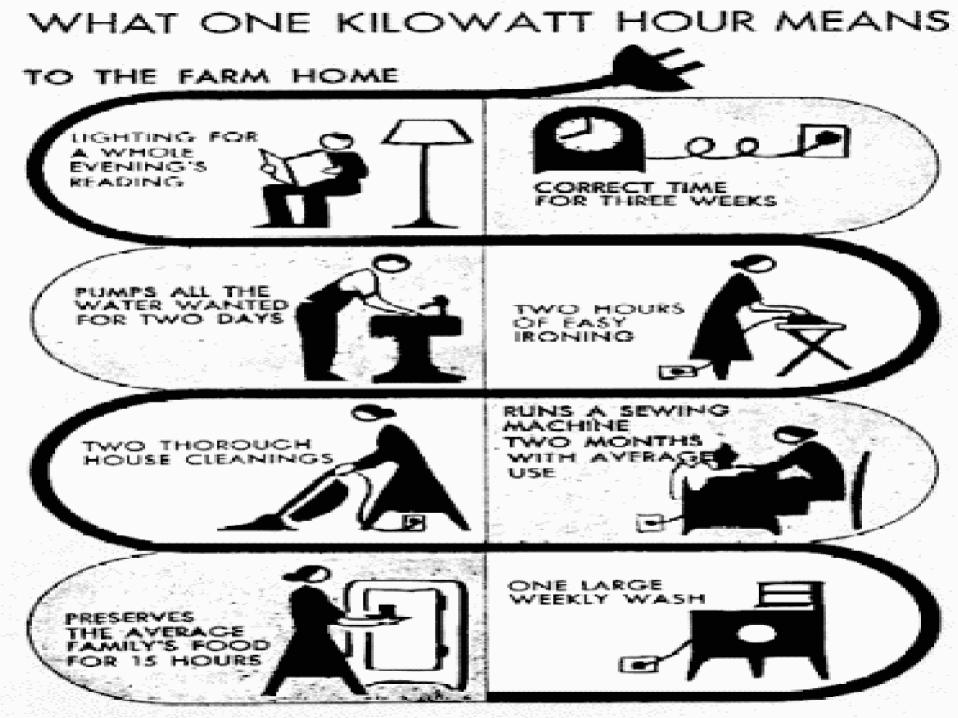
Source: January 2009 Connected Tennessee® Residential Technology Assessment





Embracing the lessons of the Rural Electrification Act...

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WHAT ONE KILOWATT HOUR MEANS





PICTORIAL STATISTICS, INC.



Roadmap to Accelarate Local Technology Impact









Broadband Adoption Among Rural Ohio Counties

Among rural Ohio counties, the average broadband adoption rate is 41%. Statewide, 55% of all Ohio residents subscribe to home broadband service.

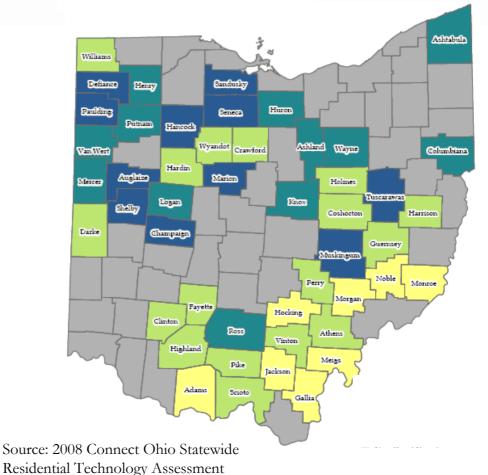
Compared to Rural County Average

- Significantly Lower (<29%)</p>
- Lower (29-41%)
 - Higher (41-50%)
- Significantly Higher (>50%)
- Non-Rural County

Q: Which of the following describe the type of Internet service you have at home? (-10.002) QU = (-10.002) QU = (-10.002)

(n = 10,083 OH residents)

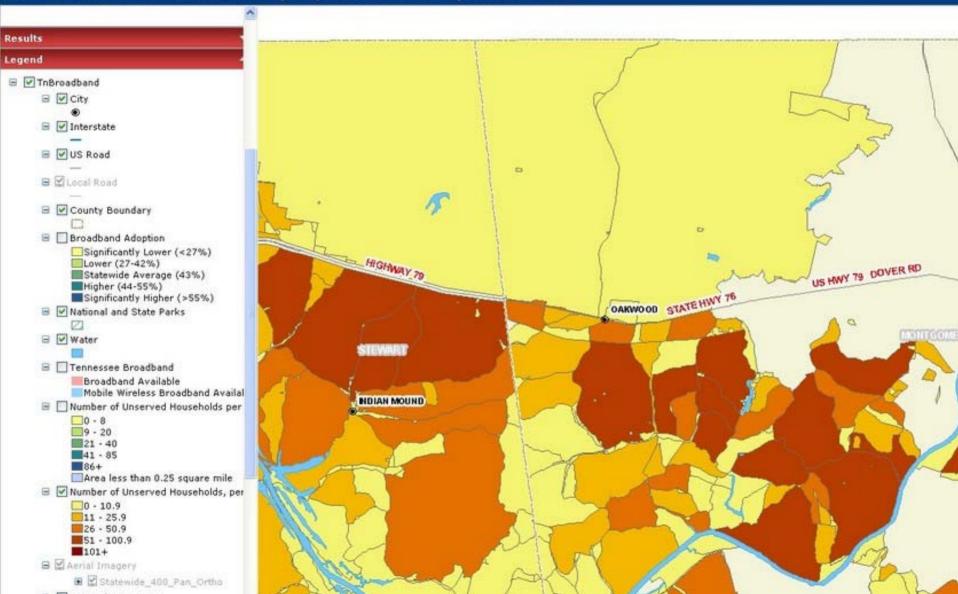
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TENNESSEE BROADBAND SERVICE INVENTORY

Connected Tennessee | Connected Nation | Help | Map Your Address | Identify Broadband Providers

Tennessee





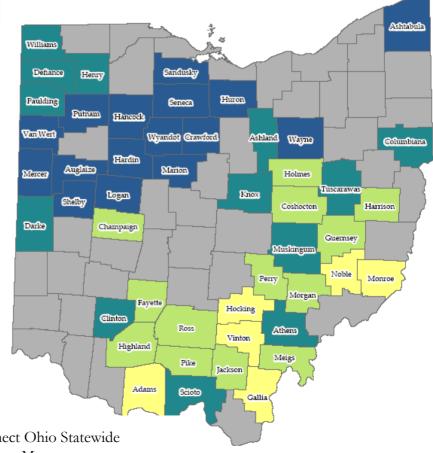
Broadband Availability Among Rural Ohio Counties

Among rural Ohio counties, the average broadband availability rate is 79%. Across Ohio, 92% of all residents have broadband service available where they live.

Compared to Rural County Average

- Significantly Lower (<58%)
- 📃 Lower (58-79%)
 - Higher (79-89%)
 - Significantly Higher (>89%)
 - Non-Rural County





Source: 2008 Connect Ohio Statewide Broadband Inventory Map





Ohio Broadband Availability and Adoption by County

Low broadband adoption is not limited to areas with low broadband availability.

92% of Ohioans have broadband availability, yet only 55% actually subscribe.

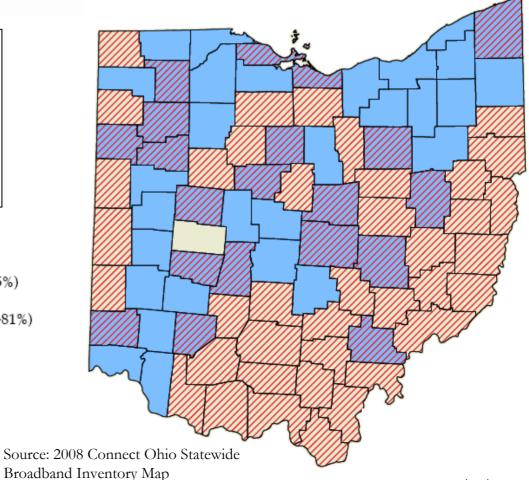
Legend



Lower Than Average Broadband Adoption (< 55%)

Higher Than Average Broadband Availability (>81%)

Higher Than Average Broadband Availability and Lower Than Average Broadband Adoption







eCommunity Broadband Plans

- The eCommunity methodology brings to community leaders shared intellectual property, lessons learned, best practices for developing actionable technology growth plans.
- eCommunity Leadership Teams benchmarks technology use across sectors;
- Each sector and anchor institution sets goals for improved technology use;
- County-level, <u>2-3 year tactical business plan</u> for achieving goals:
 - Improved resources for technology training and coordination across the community; Local technology awareness campaigns and broadband demand creation activities (for schools, libraries, health centers, farming associations, etc); Building or enhancing borough and city websites; Interoperability improvement of city, state and federal communications assets; and Security for local government and private users.

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Computers 4 Kids Every Citizen Online

- Target programs that place devices in homes that otherwise can't afford them
- Over 5000 computers distributed to date
 - TN laptops for children in foster program
 - KY refurbished PC's for Appalachian families in free/reduced lunch program
 - OH "loaner laptops" for libraries in areas where home computer ownership is low



Technology Adoption Among Low-Income Families



Kentucky counties participating in Computers 4 Kids Kentucky counties not participating in Computers 4 Kids Time and the second s

Increase in Computer Ownership

Increase in Internet Adoption

Kentucky counties participating in Computers 4 Kids include Johnson, Clay, Wolfe, McCreary, Owsley, Carter, Lawrence and Morgan Counties. Low-income families are households where children are present and the annual household income is less than \$25,000.

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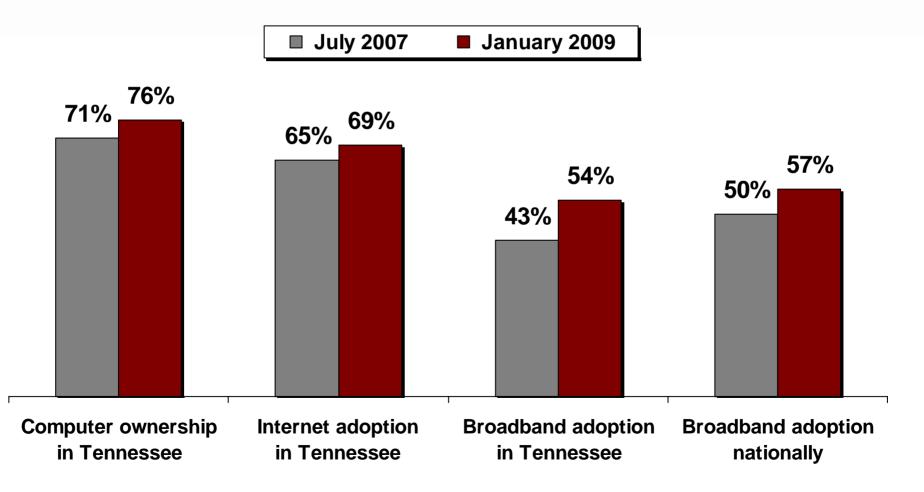
Increase in Broadband Adoption

> Source: 2007 ConnectKentucky Residential Technology Assessment





Trends in Technology Adoption

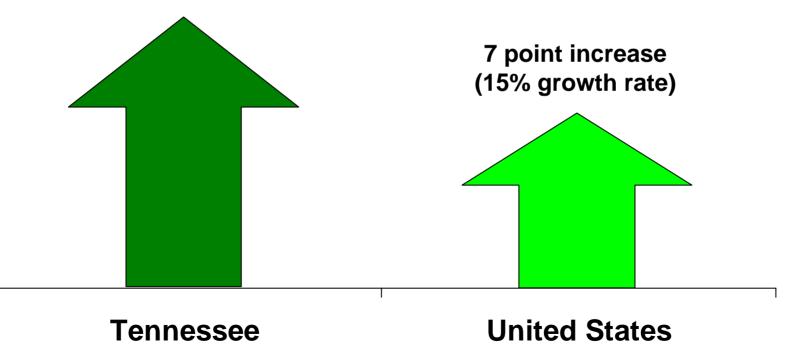






Growth in Broadband Adoption (July 2007 – January 2009)

11 point increase (26% growth rate)







Enabling Technology. Empowering People.

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