State of Broadband in Minnesota

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By Office of Broadband Development at DEED
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Percentage of Households Served by Wireline Service

- at least 10Mbps down/5Mbps up

89 % Statewide
75 % Rural
Where we stand today

Minnesota Broadband Goals (2010)

By 2015, all households and businesses have access to broadband at speeds of 10 to 20 Mbps down and 5-10 Mbps up

Figure 1. Connect Minnesota study (MN DEED website)
Broadband Growth in MN

Since 2011

Service that meets or exceeds 10Mbps/6 Mbps
Provider Density In Minnesota
How Minnesota compares nationally (one measure)

• Akamai – Average Connection Speed
  – MN 12.9 Mbps  National Rank = 21st

• Akamai – Average Peak Connection
  – MN 55.5 Mbps  National Rank = 32nd
Broadband Goals – Current (Expiring)

**Goal:** Border to border access for all households and businesses to service of at least 10-20Mbps download and 5-10Mbps upload by 2015
   
   Current measure: 75% rural, 89% state-wide

**Goal:** Top 5 states for broadband speed universally accessible
   
   Current measure: 19th – 32nd, depending on source

**Goal:** Top 5 states for adoption
   
   Current measure: 5th OK in aggregate, disparities within this number

**Goal:** Top 15 when compared to countries globally for broadband adoption
   
   Current measure: 42nd
Goals in other places

National Broadband Plan –
By 2015, 100 million U.S. homes should have access to actual download speeds of 50Mbps and actual upload speeds of 20Mbps

National Broadband Plan –
By 2020, at least 100 million U.S. homes should have affordable access to actual download speeds of at least 100Mbps and actual upload speeds of at least 50Mbps

Alaska –
100Mbps symmetrical to all by 2020

Connecticut –
Become the first Gig state

Hawaii –
1 Gig to all by 2018

Nebraska –
25Mbps download available to 90% of households by 2020; broadband service of 1Gbps download available to 25% of households by 2020

New York –
$ 1B broadband infrastructure program requires 100Mbps to all but the most remote locations.

Vermont –
100 Mbps to all by 2024
Broadband Investments in MN

- Private Investments
- Federal Connect America Fund (CAF)
- USDA Broadband Grants and Loans
- Local Government grants and loans
Border to Border Broadband Development Grant – Overview

- $20M one-time appropriation in 2014, $10.58 in 2015
- Distributed in single competitive grant round
- Technology must be scalable to at least 100Mbps Up/Down
- At least 1 to 1 match (50% of eligible expenses) required (More points awarded for higher match)
- Eligible locations had to be unserved at FCC 25/3 or underserved at 10/5
- Over 6000 households, businesses and institutions served under the first round.
The cutting room floor

• K-12 connectivity
  – ~15% of schools not connected by a long-term scalable connection
  – 25% not meeting FCC recommended 100Kbps/student
• Seeing trend of growing involvement by co-ops
• The list of Gig Towns in Minnesota is growing
• Library’s role in Digital Divide issues is expanding
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