



State of Broadband Access in Minnesota

Legislative Health Care Workforce Commission

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Broadband and Telehealth

- 54% of clinics statewide use telemedicine
- 74% of rural clinics use telemedicine
- Primary uses include:
 - Chronic disease management
 - Remote patient monitoring
 - Staff medical education
- Barriers include cost to provide service, cost of equipment, and insufficient reimbursement.

MN Broadband Policy Response

2008-2010

- 2008 - First broadband taskforce created
- 2009 - First broadband map created (prior to federal mapping program)
- 2010 - Broadband goals established

2011-2013

- 2011 – Current broadband taskforce created
- 2013 - Office of Broadband Development was created within DEED

2014-2016

- 2014 - Border to Border Broadband Infrastructure Grant created - \$20M
- 2015 – \$10.58M appropriated for broadband grants
- 2016 – Broadband goals renewed and updated
- 2016 – \$35M appropriated for broadband grants

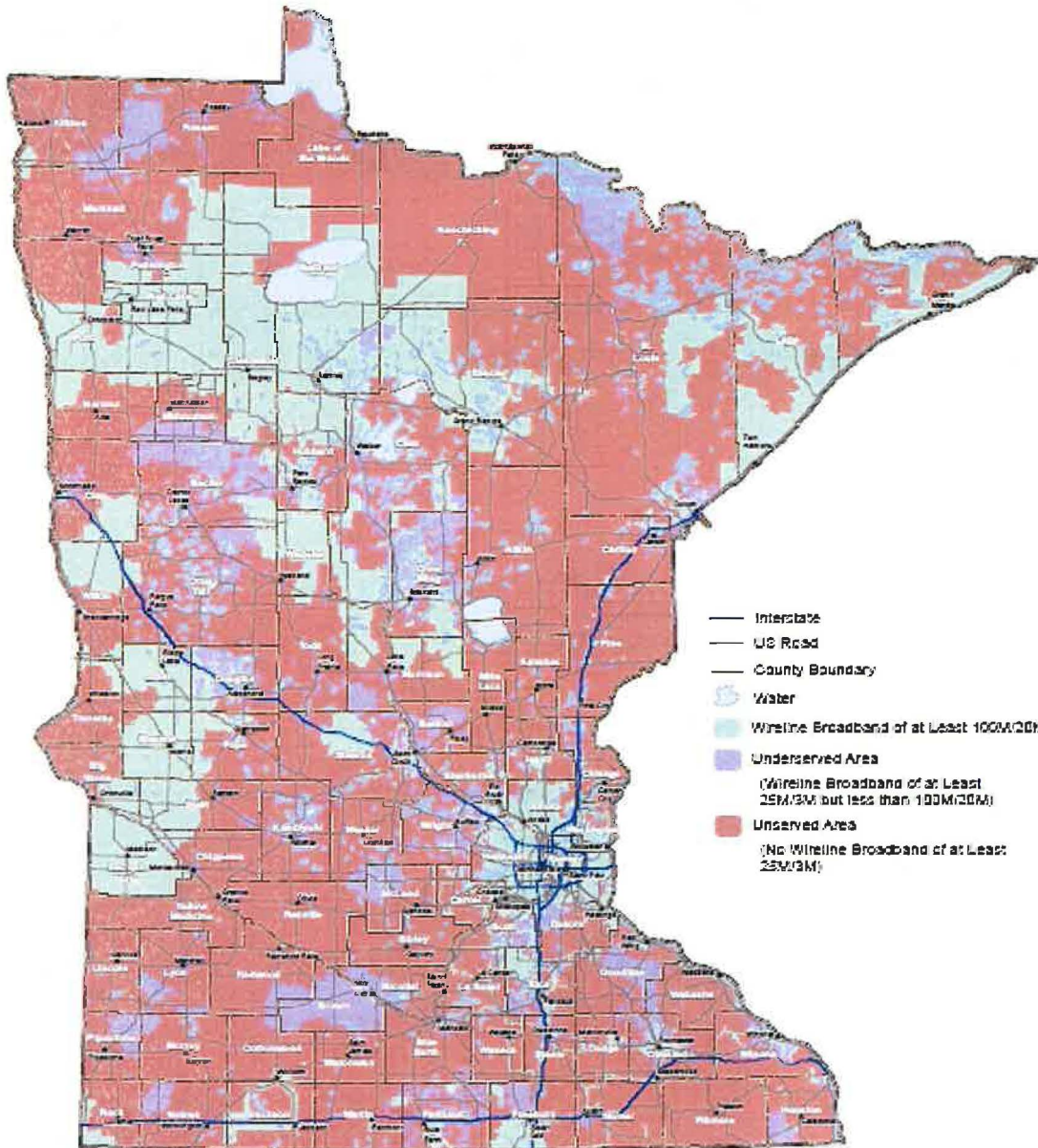
Office of Broadband Development Roles and Responsibilities - Highlights

- Provide technical assistance to communities and providers
- Administer the Border to Border broadband grant program
- Measure and map broadband availability across the state
- Inform and support state broadband policy discussions
- Clearinghouse for state and federal program resources
- Measure and Analyze community anchor institution needs
- Support digital inclusion (literacy and affordability)
- Build community broadband needs into local planning processes
- Dig Once/conduit/ROW mgmt/permitting
- Etc....

2016 Broadband Service Inventory for the State of Minnesota

Border-to-Border Broadband Development Grant Program

Unserved, Underserved and Served Wireline Broadband Areas



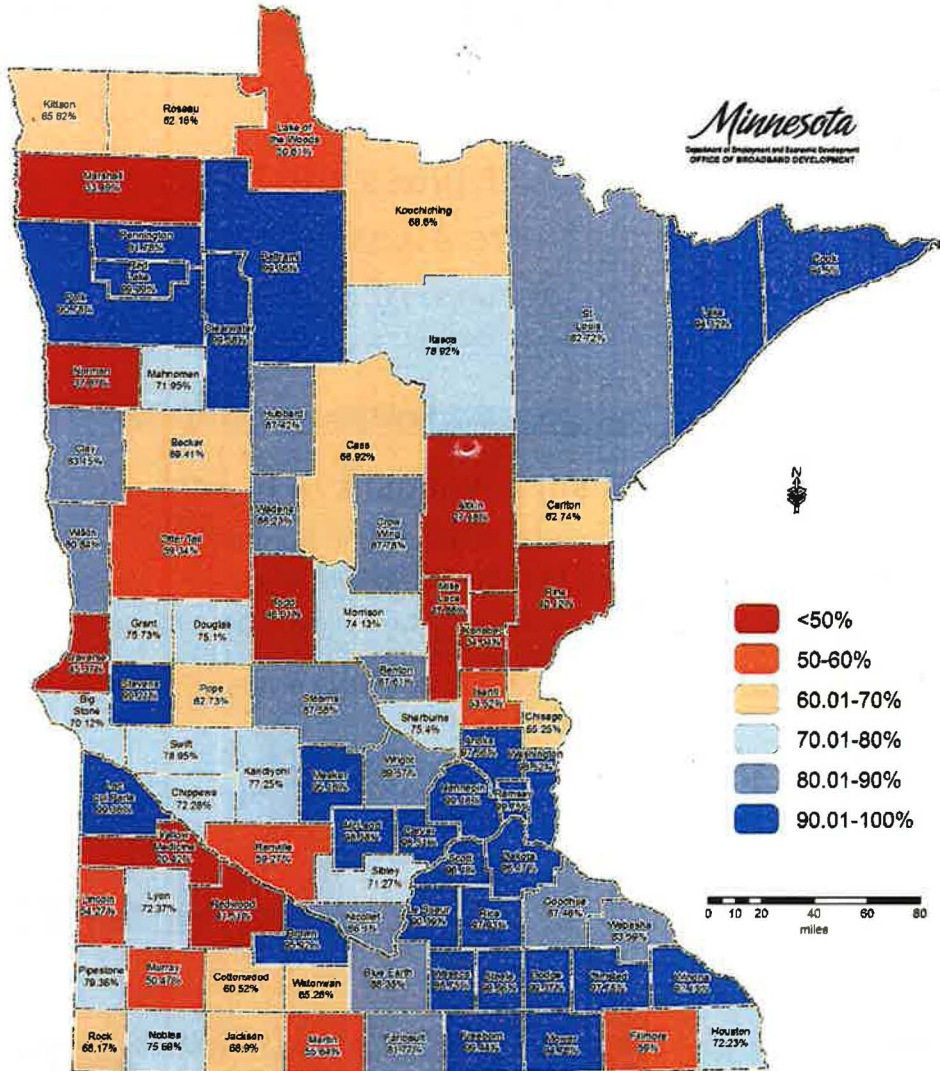
Minnesota State Broadband Goals

All Homes and Businesses will have access to broadband service of at least:

- 25 Mbps download by 3 Mbps upload (Current FCC definition) by 2022
- 100 Mbps download by 20 Mbps upload by 2026

2016 Broadband Availability in the State of Minnesota

Percentage of Households Served by Fixed, Non-Mobile Broadband Service
At Least 25 Mbps Download/3 Mbps Upload Speeds
(2022 State Broadband Goal)
Statewide Availability: 89.98%, Rural: 77.45%



2016 Broadband Availability By County

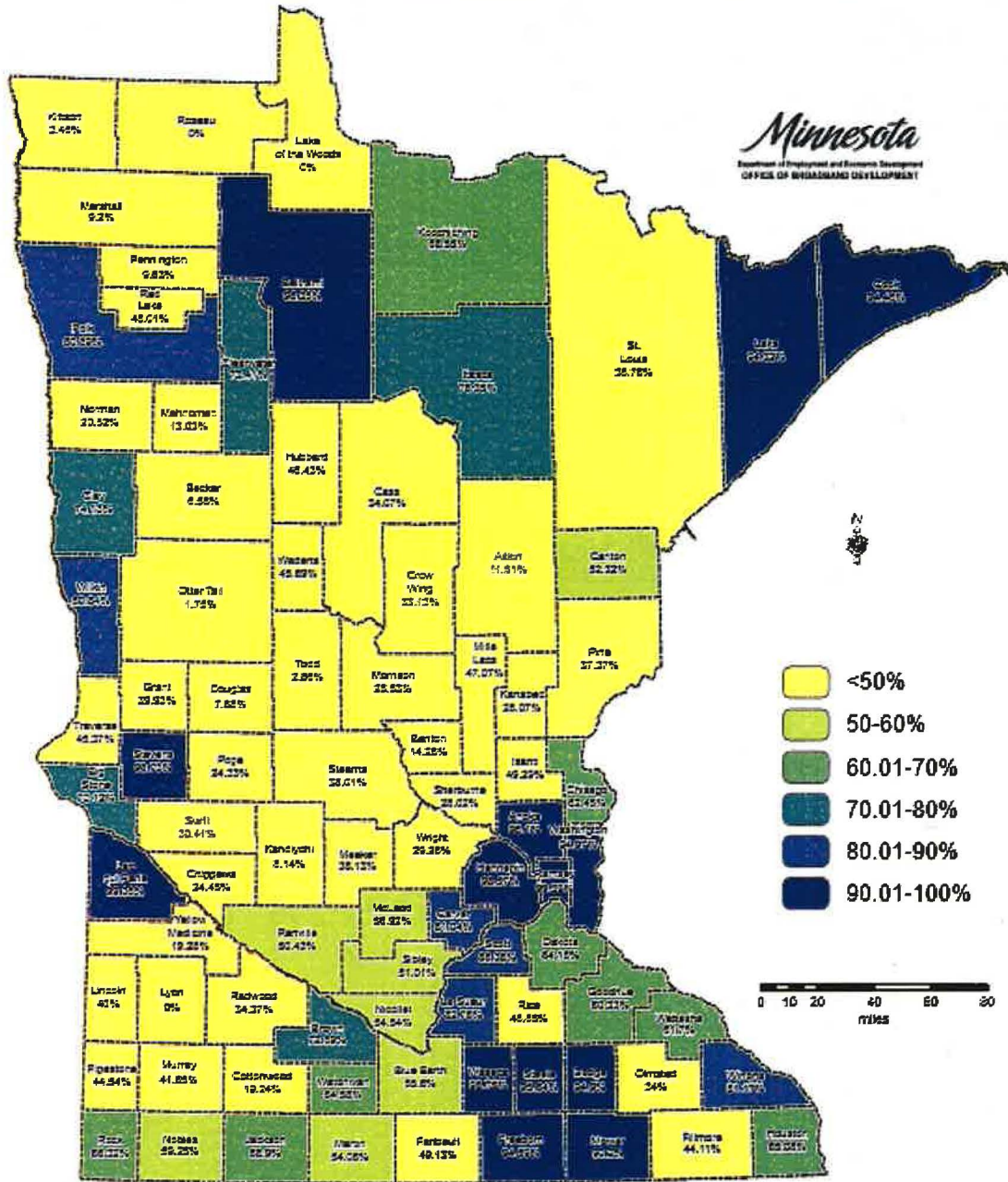
Percentage of Households Served by Fixed, Non-Mobile Broadband Service

Households that DO NOT HAVE At Least 25 Mbps download by 3 Mbps upload (2022 state goal):

Statewide: 209,000
Rural: 202,000

Broadband 2026

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By 2026 it is a state goal to have all homes and businesses have access to at least one provider of service at or above 100Mbps Download by 20 Mbps upload

Statewide: 70.83%
 Rural: 52.46%

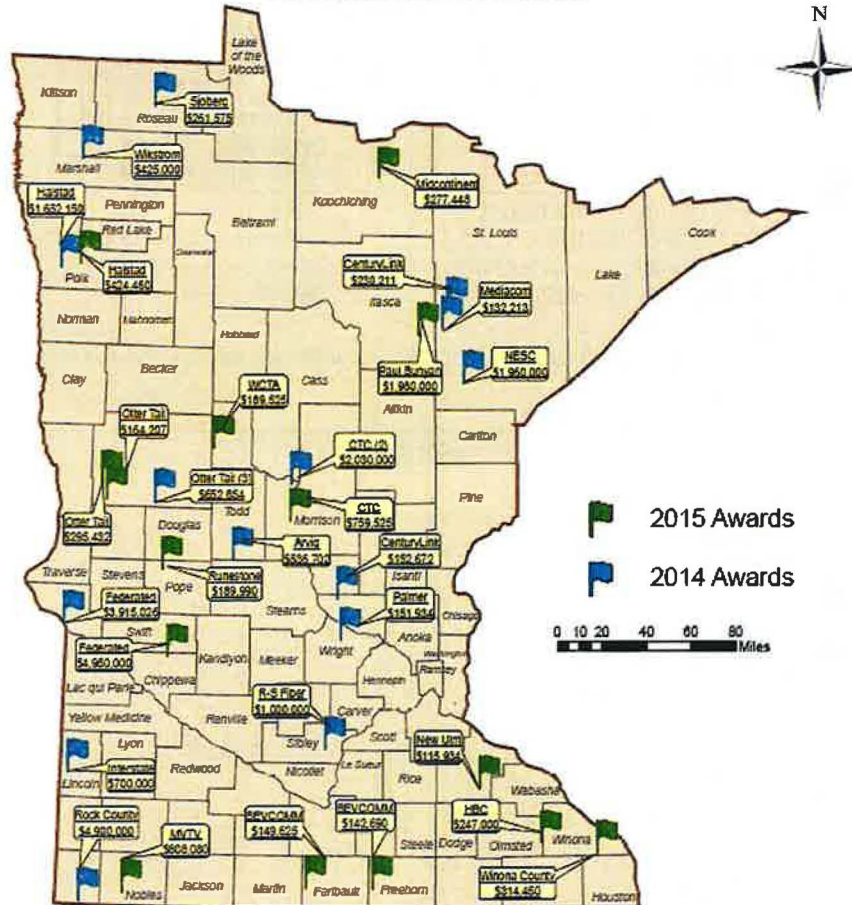
Border to Border Broadband Development Grant - Purpose

- **Purpose:** to provide financial incentive for the acquisition and installation of broadband infrastructure into unserved and underserved areas of Minnesota
- **Allowable costs:** project planning, construction permits, purchase or construction of facilities for last-mile and middle-mile infrastructure, and the installation and testing of the equipment used to provide broadband service.

Minnesota

Department of Employment and Economic Development
OFFICE OF BROADBAND DEVELOPMENT

Minnesota Border-to-Border Broadband Development Grant 2014 and 2015 Awards



2014 Grant round:
6,100 Households Served
150 Businesses Served
83 Institutions Served

2015 Grant round:
3,222 Households Served
786 Businesses Served
90 Institutions Served

\$30 million in total grant awards, which leveraged \$41 million in private investments

Prepared by MN Office of Broadband Development 11/20/15

Grant Awards

	2014	2015
Funding	\$20 M	\$10.588 M
Applications Received	40	44
Awards:		
Awards Made	16 (17)	15
Households Served	6,100	3,222
Businesses Served	150	786
Institutions Served	83	90
Public/Private partnerships	8	6
Projects:		
Matching Investments	\$23.1 M	\$ 18.2 M
Completed	5	0
Miles of Fiber	562 (to date)	n/a



Questions?

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<http://mn.gov/deed/broadband>

