Welcome and Introductions

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Introductions

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Welcome & Introductions

Connected Nation’s Staff:

- **Tom Ferree** – Chief Operations Officer
- **Brent Legg** – Director, Stakeholder Relations & Development
- **Cassie Ruhlman** – Stakeholder Relations Manager, Michigan
- **Ernie Wood** – Executive Director, Strategic Project Office
- **Chip Spann** – Director, Engineering & Technical Services
- **Terry Holmes** – Senior Technology Assessment Consultant
- **Wes Kerr** – Senior Manager, GIS Services
- **Ashley Littell** – Manager, GIS Services
- **Jessica Ditto** – Communications Director
- **Eric Mills** – General Counsel
Connect Michigan is a subsidiary non-profit of Connected Nation, a national 501(c)(3) organization with primary offices in Washington, D.C. and Bowling Green, KY. Connected Nation’s mission is to generate and support economic development by:

1) Expanding broadband availability and
2) Increasing broadband adoption rates

Connect Michigan has partnered with the Michigan Public Service Commission to launch a broadband mapping project in Michigan that will be funded by NTIA’s State Broadband Data & Development Grant Program.

Connect Michigan’s goal is to form strong working relationships with all broadband providers within the state to create and maintain Michigan’s first detailed maps of broadband coverage and accurately pinpoint any remaining gaps in broadband availability.
The State Broadband Data and Development Grant Program (SBDD):

Broadband Mapping

- The federal Broadband Data Improvement Act (P.L 110-385) created the “State Broadband Data & Development Grant Program” (SBDD) that was funded by Congress in the American Recovery and Reinvestment Act at $240 million.

- The SBDD Grant Program provides funds to states to create and maintain broadband maps for a period of at least two years (up to five years, pending funding availability).

- The Michigan PSC chose to partner with Connected Nation to create the Connect Michigan mapping and planning initiative.

- On August 13, 2009 Connected Nation was named by Governor Jennifer Granholm as Michigan’s “single designated entity” to received SBDD grant funds.
- An application was filed with NTIA on August 14th.
- A grant award decision from NTIA was expected by September 30.
- A grant award announcement was made for Michigan on December 22.

- All 50 states, 5 U.S. territories, and the District of Columbia have applied for SBDD grants. NTIA has awarded 41 grants to date. The last 15 awards are expected in the coming weeks.
Connected Nation Mapping Examples

Wes Kerr
Minnesota’s Broadband Service Inventory
as of June 30, 2009
110 Providers Represented

Symbology
In areas where multiple broadband providers offer service, this platform composite map stacks coverage display layers in the order presented below.
- Fiber Broadband Service Available
- Cable Broadband Service Available
- DSL Broadband Service Available
- Wireless Broadband Service Available
- Mobile Wireless Broadband Available
- Unserved Areas
- City
- Interstate
- US Road
- County Boundary
- Water
- National and State Lands

Updated June 30, 2009
Household Density of Unserved Areas in Minnesota by Census Block

Symbology
- City
- Interstate
- US Road
- County Boundary
- Water
- National and State Lands

Number of Households per Square Mile, per Census Block
- 0 - 8
- 9 - 20
- 21 - 40
- 41 - 85
- 86+
- Area less than 0.25 square mile
- Broadband Available*

Updated June 30, 2009
Number of Households in Minnesota’s Unserved Areas by Census Block

Symbology
- City
- Interstate
- US Road
- County Boundary
- Water
- National and State Lands

Number of Households, per Census Block
- 0 - 10.9
- 11 - 25.9
- 26 - 50.9
- 51 - 100.9
- 101+
- Area less than 0.25 square mile
- Broadband Available*

Updated June 30, 2009
Overview of Mapping Efforts for Connect Michigan

Chip Spann & Terry Holmes
Broadband Mapping in Michigan: Next Steps

1) Connect Michigan project team members will make direct contact with each identified broadband provider within the state.

2) Connected Nation legal staff will facilitate a discussion on the signing of a non-disclosure agreement with each provider, using a sample NDA (available at www.connectmi.org under the “broadband providers” tab) as a starting point for those discussions.

3) Once a NDA is agreed upon and is executed, Connect Michigan project team members will work with each provider to transfer data to us in a usable format.

4) Connected Nation’s GIS division will process the transferred data and create a visual depiction of broadband service availability for each provider. Each provider will have an opportunity to approve the generated map before the information is applied to the aggregated statewide map.

5) Once the map is complete, it will be made available to the public via an interactive address-searchable online application called “BroadbandStat” at www.connectmi.org
6) Per the federal Notice of Funds Availability (NOFA), the raw data collected will be supplied to NTIA at the Census Block level of detail. NTIA hasn’t yet adjusted the data submission deadlines, so a “substantially complete” data set is currently due to NTIA by February 1, 2010, with a final data set to be submitted by March 1, 2010.

7) The maps will be continuously updated for a period of at least two years (up to five years, pending funding availability).

8) Our Engineering & Technical Services Division, along with our Research Division, will undertake an ongoing process of validating the coverage information reflected on the maps.

9) The public will also have an opportunity to provide feedback on the maps and report inaccuracies at the www.connectmi.org web site.
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<th>Coordinates: Latitude - Minutes (cannot be greater than 60)</th>
<th>Coordinates: Latitude - Seconds (cannot be greater than 60)</th>
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Street Level Detail - DSL
Shadow Maps (LOS)

Propagation Maps
Census Block
Vs
Census Block Group
Broadband STAT Demonstration Discussion

Wes Kerr
Broadband STAT: The Nexus Between Mapping and Planning

• The BroadbandStat web application represents the nexus between mapping current broadband availability and planning for the future.

• BroadbandStat is a powerful, yet user-friendly and customizable tool that will allow state leaders & the public to: **Search for and identify broadband service at a specific address, including available speeds and service providers**
  
  – Understand & track broadband deployment over time
  – Analyze and prioritize unserved and underserved areas using population and household density information
  – Track ARRA-funded broadband projects
  – Build and evaluate scenarios to help score and prioritize future broadband infrastructure proposals
  – Track broadband adoption rates and barriers to broadband adoption, community by community across the state.
Broadband STAT Demo

Wes Kerr
Questions?
Connect Michigan
Broadband Mapping Initiative: Provider Briefing

Michigan Public Service Commission Offices
Lansing, MI
January 8, 2010