



Collaborative Governance Council

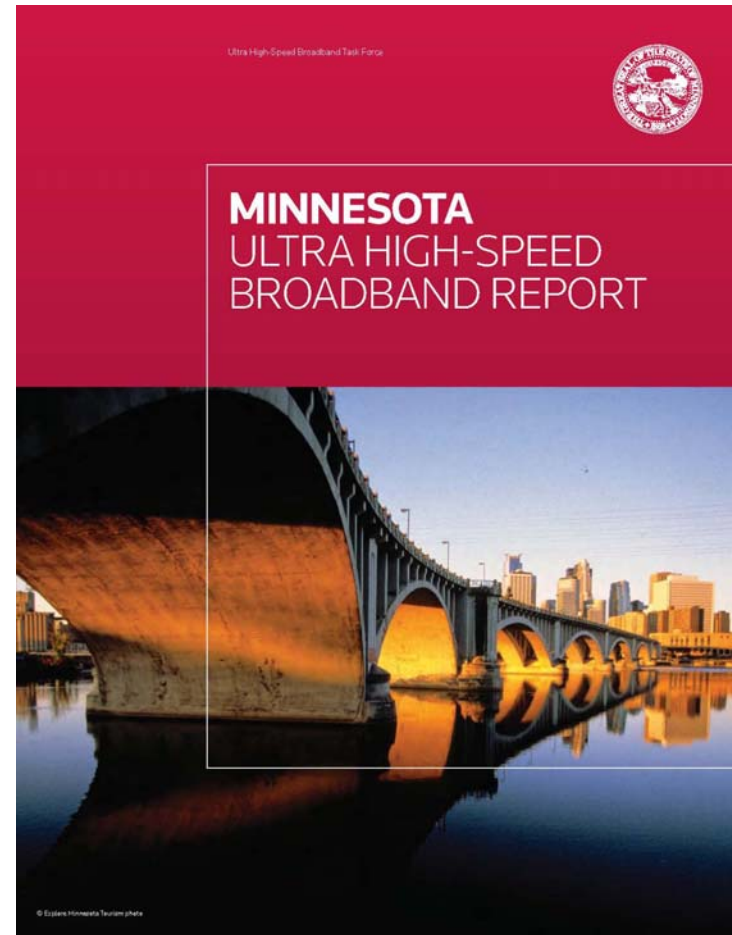
Rick King, Chair

MN Ultra-High Speed Broadband Task Force



Today's Topics

- What we did
- How we did it
- What we learned



What we did

- Pre-work
- Law April 2008
- TF started August 2008
- Comprehensive report
 - Nov 2009
- Legislative action – April 2010
 - State goals set
 - Annual report
- On going Council created



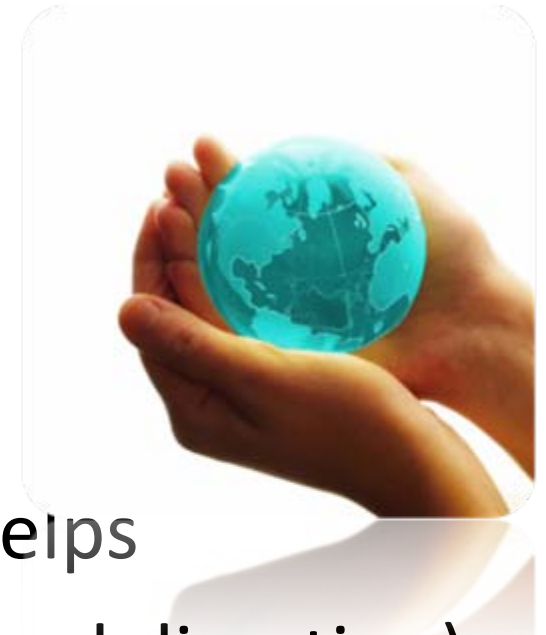
How we did it

- 23 diverse people met 18 times for a full day over a 16 month period
- Early “OD” approach
- The art of the possible
- Agreed to without or dissention or votes
- Listening and collaborative spirit developed
- Took the show on the road



What we learned

- You can do things by consensus
- Trust is key
- Early values work helped
- Social time (meals and drinks) helps
- Where there is a will (and declared direction), there is a way
- Lobbyist and media help



Personal Thoughts

- Impediments – laws & attitudes
- Funding – private, public
- What about partnerships?
 - Example: Eagan e-TV
- How do we encourage creative solutions?
- How do we find the common ground and build on it?

The Challenge for the New Broadband Advisory Council

How to meet the stated
goals by 2015



Questions / Discussion



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appendix

Nov 2009 Report

- Minnesota should have **ubiquitous (every home and business in the state) high-speed broadband** coverage as soon as possible but **no later than 2015**.
- At a minimum, we recommend speeds of **10-20 Megabits per second (Mbps) (download) and 5-10 Mbps (upload)** for all residents of the state by 2015. Additionally, we recommend Minnesota should aspire to be:
 - In the **top 5 states** of the United States for overall **speed**.
 - In the **top 5 states** for broadband **penetration**.
 - In the **top 15 globally** for broadband **penetration**.
- We outline **financial incentives open to the state** to support both the **supply and demand** sides of broadband.



Nov 2009 Report

- We made detailed recommendations for the **enhanced security and redundancy** of the existing infrastructure.
- We recommended the creation of a **Broadband Advisory Council** to oversee the actions put forth in this report and to see that these objectives are achieved.
- We recommend that the Federal Communications Commission (FCC) adopt a higher standard for the definition of broadband. The current definition is 768 kilobits per second (Kbps).

Report Adopted – Law Passed

- Legislature adopted TF's recommendations
- Passed law in April 2010 to establish as recommended
 - State Broadband Goals
 - Annual report
 - On-going Council

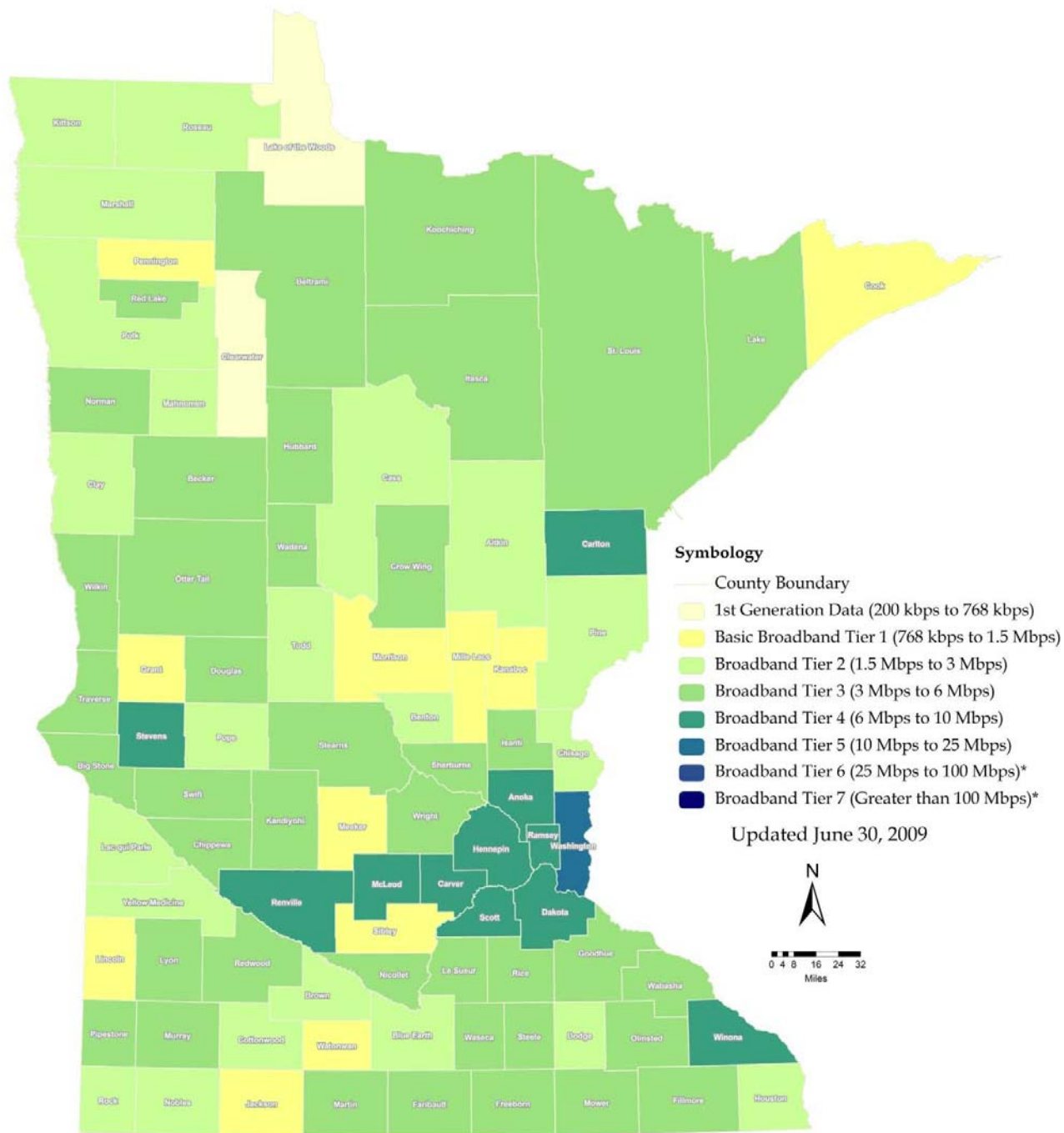
“The Good”

- Approximately **94%** of Minnesota Households have access to broadband service that meets the FCC’s minimum threshold for broadband at 768 Kbps.
- The remaining **6%** comprises approximately 97,300 households, or about 313,000 people, that do not have access.
- Providers in the Twin Cities, along with some rural providers, provide much higher bandwidth services to consumers—well beyond the **768 Kbps minimum** of the time.

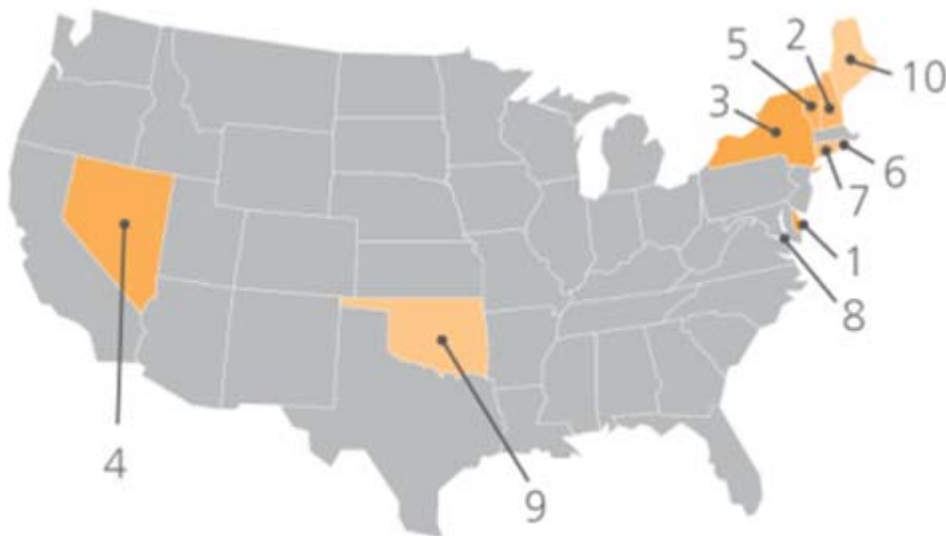
The sample size is comprised of approximately **519,674** tests performed between November 2008 and June 2009



Average Residential Download Speed



Broadband Speed within the United States



State	% above 5 Mbps	Q1 08–Q4 08 Change	YoY Change
1 Delaware	62%	+0.6%	+6.7%
2 New Hampshire	59%	+5.1%	+100%
3 New York	49%	+5.8%	+38%
4 Nevada	45%	+16.2%	+36%
5 Vermont	44%	+3.9%	+128%
6 Rhode Island	42%	+4.3%	+0.5%
7 Connecticut	42%	-1.2%	+30%
8 District of Columbia	41%	+15%	+51%
9 Oklahoma	40%	+12%	+22%
10 Maine	38%	-1.1%	+371%

Minnesota's Ranking in Q1 of 2009 is #23

Source: Akamai Technologies Q2-2009 High Broadband Connectivity, Fastest U.S. States.

Broadband Leaders Worldwide

Country	Broadband IPs Per Capita
- Global	0.02
1 Monaco	0.34
2 Norway	0.32
3 Sweden	0.30
4 Denmark	0.30
5 Netherlands	0.30
6 Switzerland	0.29
7 South Korea	0.28
8 Germany	0.28
9 Iceland	0.27
10 Belgium	0.26
...	
14 United States	0.21



The United States is 14th

Source: Akamai Technologies Q2 - 2009: Global Broadband Penetration.

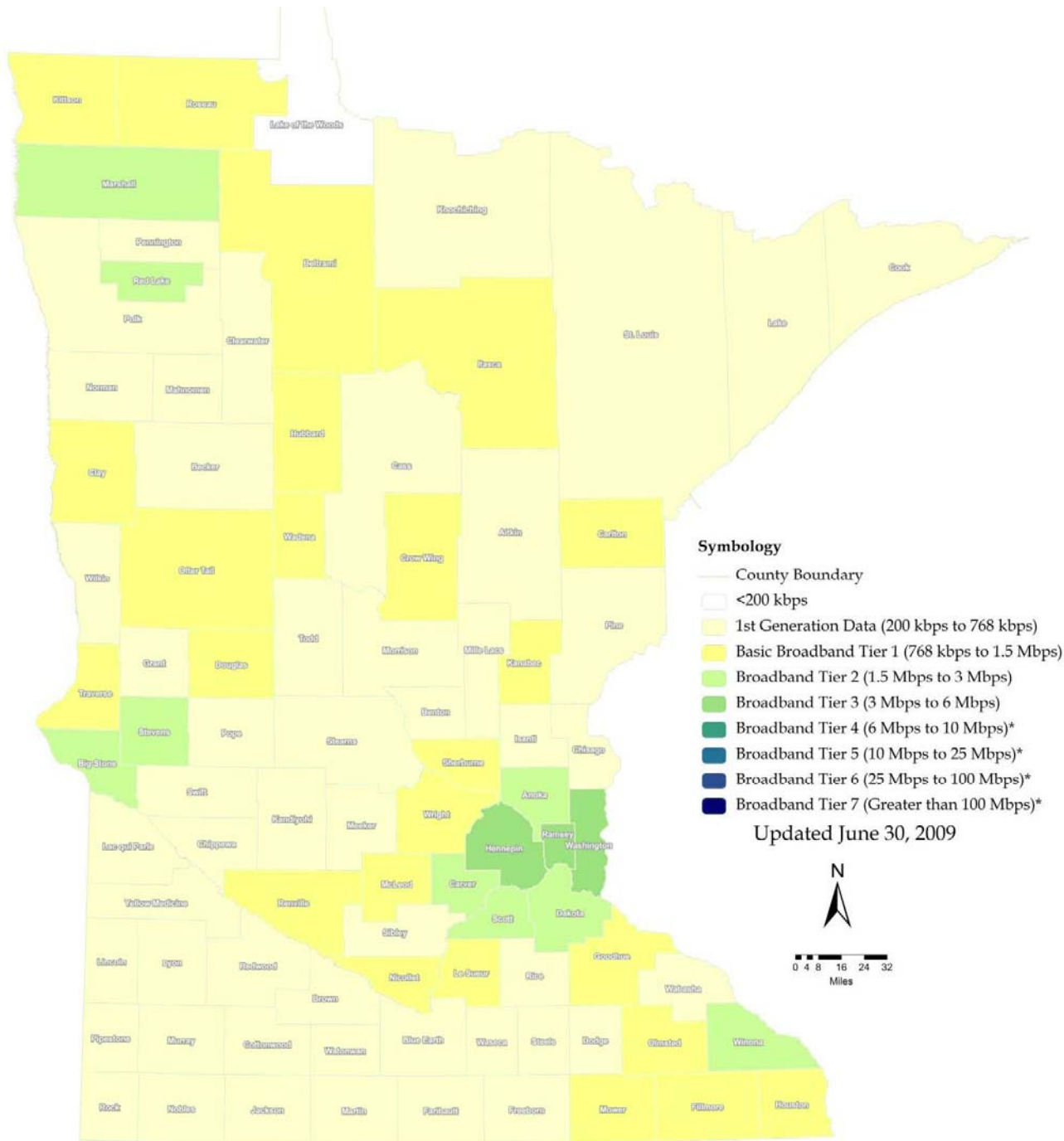
“The Bad”

- Only **17%** of the connections met both the **10Mbps download** threshold and **5Mbps upload** threshold
- Only **Washington County** produced download speed results that were, on average, greater than **10Mbps**
- On the upload side, only **Washington, Ramsey, and Hennepin counties** demonstrated upload speeds that were 3-6Mbps, on average



For Further Information

www.ultra-high-speed-mn.org



Average Residential Upload Speeds

Task Force had a broad composition

We had 23 members.....

- education (2)
- telecoms (3)
- cable (2)
- wireless (1)
- rural citizens and businesses (2)
- healthcare (2)
- unions (1)
- libraries (1)
- metro citizens and business (2)
- government* (7), including the Commissioners of Commerce, DEED and OET.

