

Speaker Series Overview

Alliant Energy launched its speaker series in the Fall of 2021 in an
effort to engage key stakeholders in a series of discussions on
expanding access to broadband and digital opportunity in some of the
Midwest's most digitally challenged rural communities.

• Why it matters?

- On average, 67 percent of Alliant Energy customers in Wisconsin and 75 percent of customers in Iowa lack sufficient access to reliable and affordable high-speed internet service.
- This digital divide is hindering our customers' ability to effectively engage in remote work, remote learning and telehealth due to gaps in infrastructure access, affordability, device ownership and digital literacy. The result: they are often disconnected from educational and economic opportunities in today's increasingly digital world.





Today's discussion

As part of this webinar series, todays' speakers will discuss the impact of the digital divide and the importance of closing the digital divide. Our speakers will discuss the challenges they face in their respective industries as they strive to expand broadband access, especially in our communities.

Moderator: Lydia Angel, Federal Affairs Specialist DC



Panelists

- David Schneider, MD, is a tenured Associate Professor at University of Wisconsin Health in the Department of Surgery
- Gene Dalhoff, IOM, VP of Talent and Education at Madison Region Economic Partnership (MadREP)
- Steve Goldberg, Executive Director, WEA Member Benefits Foundation



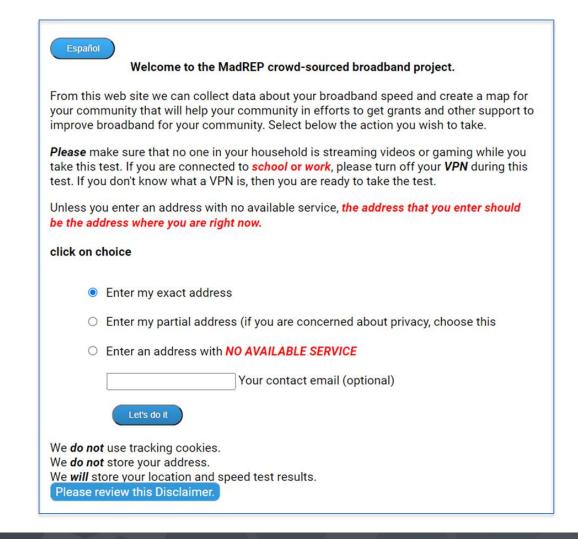




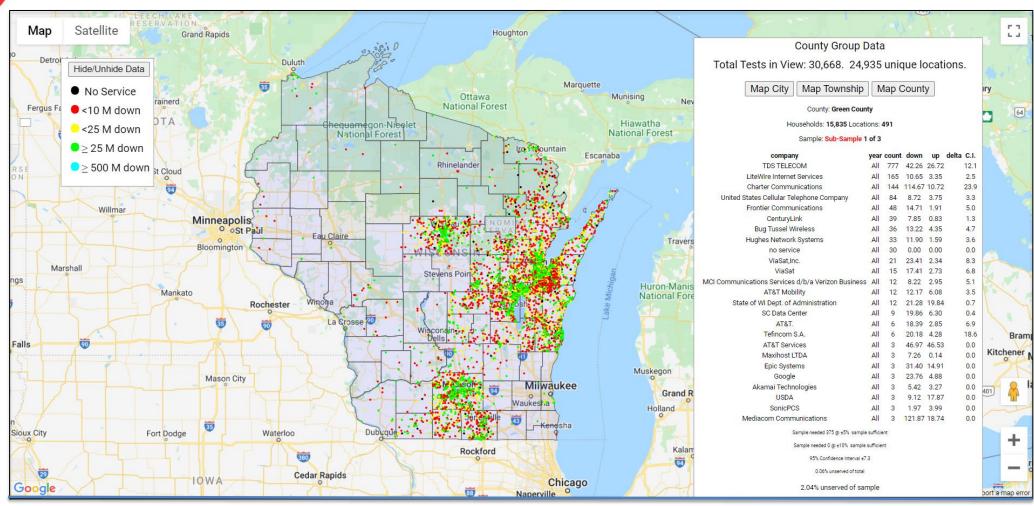
- MadREP began work in broadband space in early 2021.
- In speaking with communities across the region, it became apparent that communities that had mapped their broadband speeds had a clear advantage over those that hadn't when it came to accessing grant funds.
- Access to these grant funds created an even greater gulf between the "have" and "have not" communities when it came to broadband expansion.
- MadREP decided our broadband efforts would be best spent trying to level the playing field in terms of communities accessing grant funds. Step one is helping communities across our region to map their broadband speeds.



- We launched our speed test in early November 2021.
- Speed testing continues and anticipate it will likely go through late spring or early summer.
- Conferring with key individuals in each county about their outreach efforts.
- Outside of MadREP & New North, remainder of state will begin their outreach soon.









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Green County

 Households
 15,835

 Population
 36,842

 Test locations
 357

 Total Tests
 497

 Percent participation
 2.25%

 Participation goal (10%)
 1,584

Download

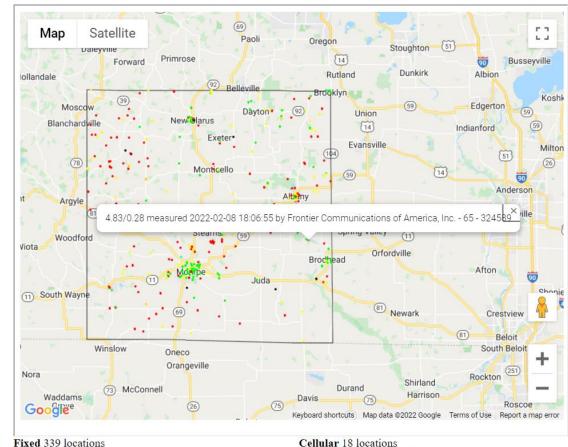
• No Service 7 2.0% •0-10 Mbps 144 40.3% •10-25 Mbps 98 27.5% •25-150 Mbps 83 23.2% •150+ Mbps 25 7.0%

Upload

No Service 7 2.0% <3 Mbps 176 49.3% 3-10 Mbps 96 26.9% 10-25 Mbps 53 14.8% 25-150 Mbps 18 5.0% > 150 Mbps 7 2.0%

Min Max Med Mbps

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Fixed 339 locations Download Upload No Service 7 2.1% No Service 7 2.1% 0-10 Mbps 136 40.1% <3 Mbps</td> 173 51.0% 10-25 Mbps 89 26.3% 3-10 Mbps 82 24.2% 25-150 Mbps 82 24.2% 10-25 Mbps 53 15.6% 150+ Mbps 25 7.4% 25-150 Mbps 17 5.0%

Cellular 18 locations Download Upload 0-10 Mbps 8 44.4% <3 Mbps</td> 3 16.7% 10-25 Mbps 9 50.0% 3-10 Mbps 14 77.8% 25-150 Mbps 1 5.6% 10-25 Mbps 0 0.0% 150+ Mbps 0 0.0% 25-150 Mbps 1 5.6% > 150 Mbps 0 0.0%



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Dane County

 Households
 215,946

 Population
 488,068

 Test locations
 1,488

 Total Tests
 2,196

 Percent participation
 0.69%

 Participation goal (10%)
 21,595

Download

• No Service 15 1.0% •0-10 Mbps 415 27.9% •10-25 Mbps 287 19.3% •25-150 Mbps 474 31.9% •150+ Mbps 297 20.0%

Upload

Too Expensive

No Service 15 1.0% <3 Mbps 508 34.1% 3-10 Mbps 333 22.4% 10-25 Mbps 398 26.7% 25-150 Mbps 128 8.6% > 150 Mbps 106 7.1%

Min Max Med Mbps

7.69%

Arlington Satellite Map Prairie Du Sac East Bristol • (73) York Center Portland Cassell Arena (14) Vermont (78) Barneveld (18) Busseyville Forward. Albion andale Moscow Edgerton Blanchardville Indianford Google Keyboard shortcuts Map data @2022 Google Terms of Use Report a map error

Fixed 1,327 locations

Download		Upload			
No Service	15	1.1%	No Service	15	1.1%
0-10 Mbps	355	26.8%	<3 Mbps	454	34.2%
10-25 Mbps	246	18.5%	3-10 Mbps	280	21.1%
25-150 Mbps	433	32.6%	10-25 Mbps	373	28.1%
150+ Mbps	278	20.9%	25-150 Mbps	116	8.7%
			> 150 Mbps	89	6.7%

Cellular 161 locations

Download			
0-10 Mbps	60 37.3%	<3 Mbps	54 33.5%
10-25 Mbps	41 25.5%	3-10 Mbps	53 32.9%
25-150 Mbps	41 25.5%	10-25 Mbps	25 15.5%
150+ Mbps	19 11.8%	25-150 Mbps	12 7.5%
		> 150 Mbps	17 10.6%

Telemedicine and the Digital Divide

David F. Schneider, MD, MS

Medical Director - Virtual Care, UW Health

Alliant Energy Broadband Speaker Series
March 17, 2022





Not "The Future" Anymore



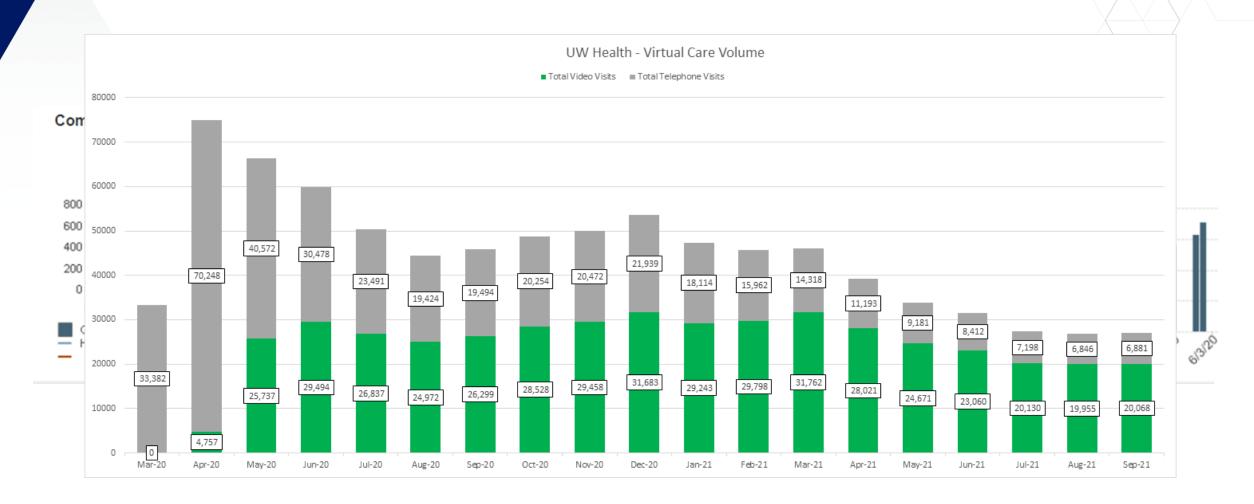


The Jetsons, ABC, 1962



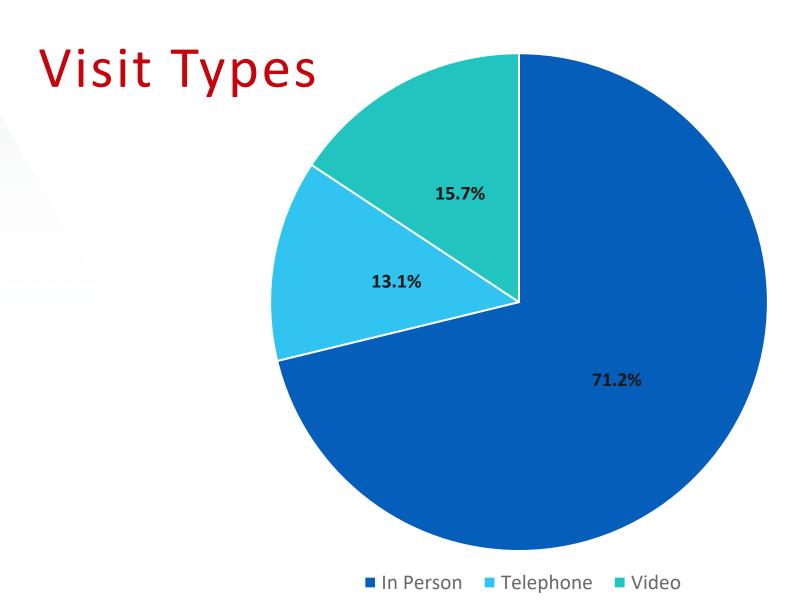


Visit Volumes - Initial Period













Predictors of Video Visit



Variable			Max Tech	nology l	Jsed	i e
Age 65-74			In Person P	hone \	/ideo	1
Age >/= 75	URBAN VS RURAL	OUT OF STATE	84.71%	5.13%	10.16%	1
Male		RURAL	81.93%	6.61%	11.46%	1
Asian		URBAN	81.42%	5.16%	13.42%	1
Black		Grand Total	81.53%	5.37%	13.09%	1
Hispanic		0.87 (0.80 – 0.94)			1	
Rural	0.63 (0.1 – 0	0.63 (0.1 – 0.66))1	
Spanish Speaking	0.36 (0.29 –	0.36 (0.29 – 0.43))1	

All of these groups were less likely to have a video visit







Expanding Private Philanthropy Funding for K-12 Student Internet Access in Wisconsin

Steve Goldberg, Executive Director

We Are a Catalyst

- Bringing more philanthropy to the table
- Major "missing piece"
- Statewide funding model
- Pilot project

K-12 Student Internet Access

- Partners: Department of Public Instruction (DPI), Public Service Commission (PSC), Cooperative Educational Service Agency (CESA Purchasing)
- Affordability gap
- ► PSC grant

Pilot Project: Sept. 2021-Aug. 2022

- ► PSC grant
- WEA Member Benefits Foundation
- ► Alliant Energy Foundation *
- Goal: 210 student households

Pilot School Districts

- Janesville, Menasha, Shawano, Beaver Dam, Sheboygan Falls, Madison, Portage
- DPI/CESA Digital Learning Bridge

The Impact of "Bulk & Batch"

- Group purchasing power/pricing
- Upfront, lump sum payment for full 12 months of access
- ISP cooperation

The Appeal to Funders

- Uses an established funding vehicle: "plug & play"
- Opportunity to adopt specific school districts
- We are the matchmaker

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