

Broadband and Partnerships

WISCONSIN COUNTIES ASSOCIATION

La Crosse Center

September 27, 2021

Overview

- Current Broadband Situation
- FCC Programs
- ARPA Grant Cycle
- Broadband Expansion Grant Program
- Partnership Examples

Current Broadband Situation

- Statewide Wisconsin FCC Data, June 2020
 - DSL, Cable, Fiber and Fixed Wireless
 - 94.5% of all homes with 25Mbps/3Mbps
 - 5.5% of all homes without 25Mbps/3Mbps

Current Broadband Situation

- Statewide Wisconsin FCC Data, June ~~2020~~ **2016**
 - DSL, Cable, Fiber and Fixed Wireless
 - ~~94.5%~~ **85.5%** of all homes with 25Mbps/3Mbps
 - ~~5.5%~~ **14.5%** of all homes without 25Mbps/3Mbps

Current Broadband Situation

- Rural Wisconsin FCC Data, June 2020
 - DSL, Cable, Fiber and Fixed Wireless
 - 82.5% of rural homes with 25Mbps/3Mbps
 - 17.5% of rural homes without 25Mbps/3Mbps

Current Broadband Situation

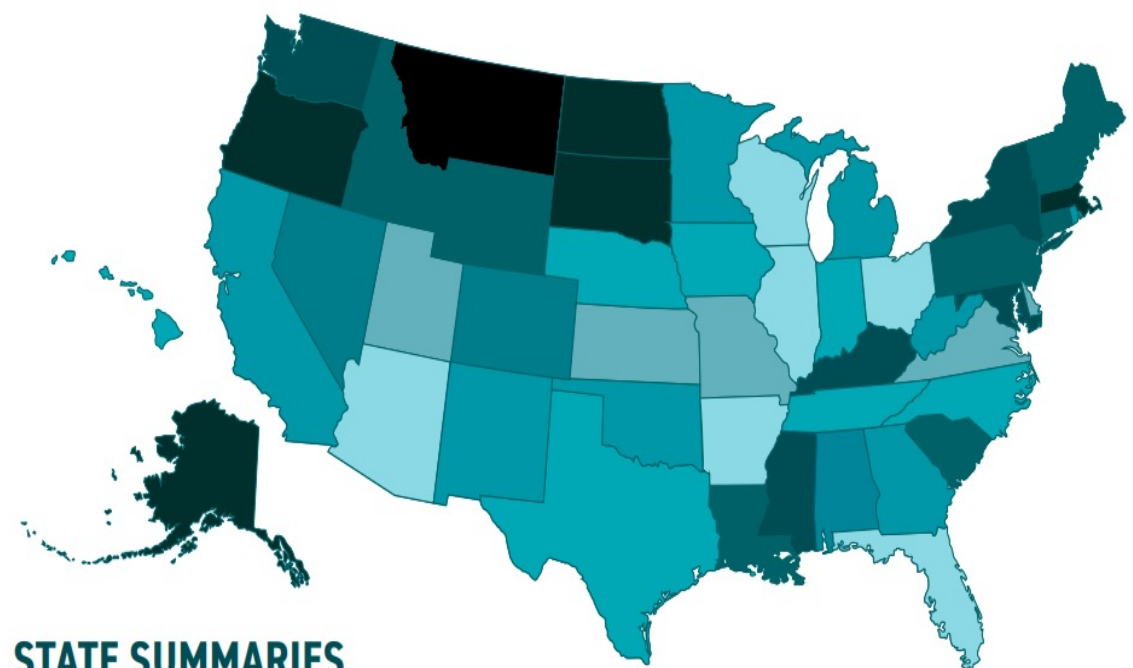
- Rural Wisconsin FCC Data, June ~~2020~~ **2016**
 - DSL, Cable, Fiber and Fixed Wireless
 - ~~82.5%~~ **54%** of rural homes with 25Mbps/3Mbps
 - ~~17.5%~~ **46%** of rural homes without 25Mbps/3Mbps

Current Broadband Situation

- R Street Institute 2020 Broadband Scorecard
 - Ranks every state according to how well their laws govern various aspects of broadband deployment



Current Broadband Situation



STATE SUMMARIES

A	A-	B+	B	B-	C+	C	C-	D+	D
ARIZONA ARKANSAS FLORIDA ILLINOIS OHIO WISCONSIN	DELAWARE KANSAS MISSOURI UTAH VIRGINIA	HAWAII INDIANA IOWA NEBRASKA NORTH CAROLINA TENNESSEE TEXAS	CALIFORNIA GEORGIA MICHIGAN MINNESOTA NEW MEXICO OKLAHOMA RHODE ISLAND WEST VIRGINIA	ALABAMA	COLORADO NEVADA	CONNECTICUT IDAHO LOUISIANA MAINE NEW HAMPSHIRE NEW JERSEY PENNSYLVANIA SOUTH CAROLINA VERMONT WYOMING	KENTUCKY MARYLAND MISSISSIPPI NEW YORK WASHINGTON	ALASKA MASSACHUSETTS NORTH DAKOTA OREGON SOUTH DAKOTA	MONTANA

WISCONSIN

RAW SCORE: 32
FINAL SCORE: 97

A



Wisconsin passed additional tax relief for broadband providers in rural areas, which will likely help make the business case for additional deployments. Wisconsin continues to score excellently on the scorecard, but the state could still do more, including exemptions from zoning review for new poles and a statewide dig-once policy.

FCC Programs

- CAF II - \$570 million, 6 years
- A-CAM - \$300 million, 10 years
- A-CAM II - \$160 million, 10 years
- RDOF - 👍 \$373 million, 10 years

ARPA Grant Cycle

- American Rescue Plan Act - \$100 Million Grant Cycle
 - 241 applications seeking \$438 million in grants
 - Guidance prioritizes physical connections and fiber
- Decisions expected between *“mid-late September and mid-late October”*

ARPA Grant Cycle



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www.wicounties.org

MEMORANDUM

TO: Wisconsin County Officials
FROM: Mark D. O'Connell, Executive Director
DATE: June 15, 2021
SUBJECT: Broadband Expansion Funding

On May 18, 2021, Governor Evers announced the Public Service Commission of Wisconsin (PSC) will launch a round of broadband expansion funding with \$100 million from the federal American Rescue Plan Act (ARPA).

On June 1, 2021, the PSC officially opened the grant cycle and released application instructions for ARPA broadband grants. Applications for the \$100 million ARPA grant cycle are due July 27, 2021.

According to the PSC, internet service providers, telecommunications utilities, cooperatives, local governments, and for-profit and non-profit organizations are eligible to apply for grants.

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Broadband Expansion Funding
June 16, 2021

- and businesses without a wireline connection reliably delivering 25Mbps download and 3Mbps upload.
- Eligible projects should deliver internet service that reliably meets or exceeds symmetrical (upload and download) speeds of 100 Mbps (or at least 100 Mbps download and at least 20 Mbps upload, if it is not practicable to deliver the higher upload speeds due to geography, topography, or excessive costs), and be scalable to 100 Mbps upload in the future.

From an infrastructure and partnership perspective, the scoring for ARPA grant cycle applications will prioritize:

- Projects that deliver physical broadband connections for the last mile connection.
- Investments in fiber optic infrastructure.
- Broadband networks owned, operated by, or affiliated with local governments, non-profits, and cooperatives.

To the extent your county boards are facing decisions to expand broadband access to unserved or underserved homes and businesses, we encourage you to explore partnerships with providers proposing fiber-to-the-premise projects offering at least 100Mbps download and 100Mbps upload internet service.

Additional information regarding the ARPA grant cycle is [available on the PSC website](#).

WCA is happy to help facilitate discussions with potential provider partners.



Broadband Expansion Grant Program

- Funding in the 2021-2023 Biennial Budget
 - \$125,000,000 in new general obligation bonds
 - \$2,000,000 in unencumbered USF funds each year
 - \$129,000,000 total over the biennium

Broadband Expansion Grant Program

- FY2022 Broadband Expansion Grant Cycle
 - *May* be ~3 months after ARPA awards?
 - Allocation unclear - \$127 million available now?
- Additional ARPA grant cycle?

Partnerships

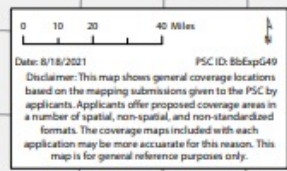
<https://youtu.be/UPkaT07s8Gc>



Presented by the Wisconsin Broadband Office

Presented

Presented by the Wisconsin Broadband Office



Map Label	Project
1	24-7 Telcom #1 (T. Brunswick)
2	24-7 Telcom #2 (T. Elk Mound)
3	24-7 Telcom #3 (T. Howard)
4	24-7 Telcom #4 (T. Lucas)
5	24-7 Telcom #5 (T. Menominee)
6	24-7 Telcom #6 (T. Red Cedar, Phase 3)
7	24-7 Telcom #7 (T. Sherman, Phase 2)
8	24-7 Telcom #8 (T. Spring Brook)
9	24-7 Telcom #9 (T. Stanton)
10	24-7 Telcom #10 (T. Tainter)
11	24-7 Telcom #11 (T. Weston, Phase 2)
12	24-7 Telcom #12 (T. Wheaton, Phase 2)
13	AirFiber #1 (Co. Douglas, Afterburner)
14	AirFiber #2 (Co. Douglas, Through the Trees)
15	Ambient Tel. Co. (T. Dayton, Phase 2)
16	Astrea Connect #1 (Co. Douglas, Phase 2)
17	Astrea Connect #2 (T. Foster, Rock Dam Lake)
18	AT&T #1 (Stangeon Bay)
19	AT&T #2 (Union Grove)
20	Baldwin Telecom (T. Wamen)
21	Bloomer Tel. Co. #1 (T. Eagle Point)
22	Bloomer Tel. Co. #2 (T. Tilden)
23	Bruce Tel. Co. (Fireside Lake)
24	Bug Tussel #1 (Co. Brown)
25	Bug Tussel #2 (Co. Cullman)
26	Bug Tussel #3 (Co. Dodge)
27	Bug Tussel #4 (Co. Fond du Lac)
28	Bug Tussel #5 (Co. Green)
29	Bug Tussel #6 (Co. Iron)
30	Bug Tussel #7 (Co. Jackson)
31	Bug Tussel #8 (Co. Keweenaw)
32	Bug Tussel #9 (Co. Marathon)
33	Bug Tussel #10 (Co. Taylor)
34	Bug Tussel #11 (Co. Washburn)
35	Bug Tussel #12 (Co. Wood)
36	CenturyLink (Minong)
37	Cochrane Coop. (T. Crow)
38	Comcast (T. Kinnickinnic)
39	Comillec #1 (Belmont)
40	Comillec #2 (Darlington)
41	Comillec #3 (Co. Grant, 33 Sites)
42	Comillec #4 (Co. Grant, Upgrades)
43	Comillec #5 (Hazel Green)
44	Comillec #6 (Co. Lafayette, 2 Sites)
45	Comillec #7 (Co. Lafayette, 9 Sites)
46	Comillec #8 (Co. Lafayette, Upgrades)
47	Comillec #9 (C. Platteville)
48	Comillec #10 (Platteville East Side Fiber)
49	Country Wireless #1 (Co. Marathon - Southwest)
50	Country Wireless #2 (Mayfield Subdivision)
51	e-vegent #1 (Paris)
52	e-vegent #2 (Co. Racine)
53	Edge Broadband #1 (T. Lafayette)
54	Edge Broadband #2 (T. Richmond & Sugar Creek)
55	Ethioplex #1 (T. Auburn)
56	Ethioplex #2 (T. Jackson)
57	Ethioplex #3 (T. Osceola)
58	Frontier #1 (Baileys Harbor)
59	Frontier #2 (Campbellport)
60	Frontier #3 (Sigg Harbor)
61	Frontier #4 (Jacksonport)
62	Frontier #5 (Marathon)
63	Frontier #6 (Marshall)

Map Label	Project
124	Piecee Pegun Coop. #1 (Clifton - North)
125	Piecee Pegun Coop. #2 (Clifton - South)
126	Piecee Pegun Coop. #3 (T. Ellsworth)
127	Piecee Pegun Coop. #4 (El Paso)
128	Piecee Pegun Coop. #5 (Sadale - Northwest)
129	Piecee Pegun Coop. #6 (Oak Grove - North)
130	Piecee Pegun Coop. #7 (Oak Grove - South)
131	Piecee Pegun Coop. #8 (T. River Falls - Northeast)
132	Piecee Pegun Coop. #9 (Trimble - West)
133	Reediburg Utility Comm. #1 (Happy Hill)
134	Reediburg Utility Comm. #2 (Co. Iowa)
135	Reediburg Utility Comm. #3 (White Mound)
136	Reediburg Utility Comm. #4 (Whitew)
137	Richland-Grant Tel. Coop. (Co. Crawford)
138	St. Croix Falls, City of (Valley View)
139	School District of Fort Atkinson (Fort Atkinson Rural Fiber Initiative)
140	Shelbogan County EDC #1 (T. Holland)
141	Shelbogan County EDC #2 (T. Lyndon)
142	Shelbogan County EDC #3 (T. Mitchell)
143	Shelbogan County EDC #4 (T. Plymouth)
144	Shelbogan County EDC #5 (W. Randolph Lake)
145	Shelbogan County EDC #6 (T. Rhine)
146	Shelbogan County EDC #7 (T. Scott)
147	Shelbogan County EDC #8 (T. Shenman)
148	Siren Tel. Co. #1 (T. Jackson, Voyager Village, Phase 2)
149	Siren Tel. Co. #2 (T. Oakland, West Yellow River Rd)
150	Sonic Spectrum #1 (T. Newark)
151	Sonic Spectrum #2 (T. Spring Grove)
152	Sorichent (T. Washington, Bass Lake)
153	Spectrum #1 (Co. Brown)
154	Spectrum #2 (T. Gibraltar)
155	Spectrum #3 (T. Janesville)
156	Spectrum #4 (Co. Kenosha)
157	Spectrum #5 (Co. Kewauonee)
158	Spectrum #6 (Co. Marathon)
159	Spectrum #7 (Co. Racine)
160	Spectrum #8 (Co. Walworth)
161	Starwire #1 (Austin & Bass Lakes)
162	Starwire #2 (Barnett, Roosevelt & Sarona)
163	Starwire #3 (Indian Creek - South, Phase 2)
164	Starwire #4 (Old 25 & Black Brook Rd, Phase 2)
165	Starwire #5 (West Sweden, Phase 2)
166	Superior Connections (Raz Connect)
167	TDS #1 / Badger Telecom (Greenwood)
168	TDS #2 / Badger Telecom (Neillsville)
169	TDS #3 / Central State Tel. Co. (Neosho)
170	TDS #4 / The Farmers Tel. Co. (Cassville)
171	TDS #5 / The Farmers Tel. Co. (Lancaster)
172	TDS #6 / The Farmers Tel. Co. (Potosi)
173	TDS #7 / Grantland Telecom (Bloomington)
174	TDS #8 / Grantland Telecom (Fennimore)
175	TDS #9 / Grantland Telecom (Mt. Hope)
176	TDS #10 / Southeast Tel. Co. of WI. (Waterford)
177	TDS #11 / Tenney Tel. Co. (Alma)
178	TDS #12 / UTULCD (Albany)
179	TDS #13 / UTULCD (Blanchardville)
180	TDS #14 / UTULCD (Juda)
181	TDS #15 / UTULCD (South Wayne)
182	Tri-County Coop #1 (T. Alma)

Request Total	Map Label	Project	Request Total
\$1,080,103	183	Tri-County Coop #2 (T. Naples)	\$1,137,500
\$527,725	184	Uppermill (T. Pleasant Springs)	\$96,340
\$627,174	185	Vernon Comm. Coop. #1 (Co. Crawford)	\$5,697,500
\$1,291,497	186	Vernon Comm. Coop. #2 (V. Ontario)	\$1,436,160
\$591,698	187	WARHack #1 (Goodrich Town Hall)	\$1,698,665
\$712,130	188	WARHack #2 (Grover Town Hall)	\$906,444
\$587,549	189	WARHack #3 (Hammel Town Hall)	\$183,150
\$864,340	190	WARHack #4 (Jump River Town Hall)	\$1,171,611
\$575,465	191	Washington Island Electric Coop. (Washington Island, Phase 2)	\$1,068,170
\$2,362,500	192	WConnect #1 (T. Buena Vista)	\$226,000
\$2,005,000	193	WConnect #2 (Co. Crawford)	\$1,567,600
\$3,757,500	194	WConnect #3 (T. Bhaca)	\$198,000
\$3,680,000	195	WConnect #4 (T. Willow)	\$252,000
\$2,364,000	196	WN #1 (Appleton to Manitowoc)	\$2,051,890
\$35,000	197	WN #2 (Ashland to StHS 47 & 182)	\$3,462,150
\$5,992,186	198	WN #3 (Ashwaubenton to New London)	\$1,574,990
\$3,840,533	199	WN #4 (Black River Falls to Bangor)	\$2,048,370
\$3,577,260	200	WN #5 (Black River Falls to West Bangor Line)	\$1,419,910
\$6,842,101	201	WN #6 (Bridgeport to Escobedo)	\$1,306,430
\$1,317,794	202	WN #7 (Clendon to Shawano)	\$3,225,890
\$1,385,027	203	WN #8 (Deererville to Black River Falls)	\$2,585,230
\$4,348,704	204	WN #9 (Eagle River to Cranston)	\$2,345,320
\$3,253,365	205	WN #10 (Eagle River to Tippler)	\$2,053,160
\$4,782,430	206	WN #11 (Florence to Goodman)	\$1,793,840
\$42,194	207	WN #12 (Forest Junction to Plymouth)	\$2,129,060
\$252,264	208	WN #13 (Gotham to Spring Green)	\$748,530
\$52,355	209	WN #14 (Hazel Green to Gratiot)	\$1,901,190
\$297,355	210	WN #15 (Horicon to Allenton)	\$1,096,240
\$349,658	211	WN #16 (Janesville to Plainville)	\$4,681,700
\$4,096,228	212	WN #17 (Ladysmith to Prentice)	\$1,675,170
\$2,079,851	213	WN #18 (Lomax to Shelbyville)	\$2,457,440
\$133,654	214	WN #19 (Menasha to Waupaca)	\$1,442,700
\$872,171	215	WN #20 (Menish to Rhinelander)	\$2,375,980
\$13,485,382	216	WN #21 (Menish to Rothschild)	\$893,060
\$1,492,366	217	WN #22 (Menish to Waubesa)	\$3,103,200
\$62,616	218	WN #23 (Monroe to Benton)	\$2,385,290
\$3,064,617	219	WN #24 (Mount Horeb to Argyle)	\$1,544,670
\$265,015	220	WN #25 (Neenah)	\$1,197,880
\$46,942	221	WN #26 (Park Falls to Woodruff)	\$2,576,570
\$540,057	222	WN #27 (Patch Grove to Prairie du Chien)	\$947,810
\$234,485	223	WN #28 (Pittsville to Babcock)	\$642,670
\$62,1605	224	WN #29 (Portage to Waupun)	\$1,958,580
\$6,041,269	225	WN #30 (Prentice to Menish)	\$2,395,370
\$3,980,369	226	WN #31 (Richland to Fond du Lac)	\$2,437,430
\$3,363,290	227	WN #32 (Richland Center to Gotham)	\$653,210
\$1,088,791	228	WN #33 (Spring Green to Dodgeville)	\$1,192,560
\$83,364	229	WN #34 (Stouben to Wausau)	\$459,620
\$2,896,797	230	WN #35 (Three Lakes to Rhinelander)	\$2,043,730
\$943,333	231	WN #36 (Tippler to Cranston)	\$2,472,580
\$1,860,245	232	WN #37 (Tippler to Florence)	\$1,343,430
\$2,084,859	233	WN #38 (Waubesa to Lakewood)	\$853,340
\$1,944,081	234	WN #39 (Waupun to Watertown)	\$1,766,380
\$278,324	235	WN #40 (Watertown to Shawano)	\$867,650
\$3,437,253	236	WN #41 (Woodruff to Eagle River)	\$1,518,170
\$1,035,441	237	WN #42 (Woodruff to Rhinelander)	\$1,578,140
\$3,661,475	238	WicLit (State-wide Dynamic Networking)	\$10,000,000
\$1,160,873	239	Wisconsin Tel. Co. #1 (Co. Langlade)	\$544,850
\$972,504	240	Wisconsin Tel. Co. #2 (T. Norrie)	\$150,000
\$2,177,500	241	Wisconsin Tel. Co. #3 (Stockbridge-Munroe)	\$543,000

GRANT REQUEST TOTAL \$438,132,235

BROADBAND EXPANSION GRANT AWARDEES, FISCAL YEAR 2018

Presented by the Wisconsin Broadband Office

BROADBAND EXPANSION GRANT AWARDEES, FISCAL YEAR 2018

Presented by the Wisconsin Broadband Office

BROADBAND EXPANSION GRANT AWARDEES, FISCAL YEARS 2014 - 2019

Presented by the Wisconsin Broadband Office

Map Label	Project	Request Total	Map Label	Project	Request Total
1	24-7 Telecom, Inc. (T. Brunswick - CTH 2)	\$185,725	30	Night (Washington Island, WI)	\$273,300
2	24-7 Telecom, Inc. (T. Drumnien - West)	\$708,700	31	Nitra (Chippewa County)	\$688,000
3	24-7 Telecom, Inc. (T. Menomonie - CTH 88)	\$328,300	32	Nitra (Gilman)	\$78,500
4	24-7 Telecom, Inc. (T. Menomonie - Irvington West)	\$335,160	33	Nitra (Sheldon)	\$148,000
5	24-7 Telecom, Inc. (T. Red Cedar)	\$467,250	34	Pierce Pepin Co-op. Services	\$82,250
6	Bayfield Wireless (Co. Bayfield)	\$472,539	35	Pierce Pepin Co-op. Services	\$81,000
7	Bewcomm / Hager Telecom (T. Hartland & Trenton)	\$387,886	36	Price County Tel. Co. (Soo La)	\$478,985
8	Bewcomm / Indianhead Tel. Co. (Potato Lake)	\$461,929	37	Price County Tel. Co. (Soo La)	\$444,211
9	Bloomer Tel. Co. (T. Colfax, Phase 2)	\$947,548	38	Reedsburg Utility Comm. (R)	\$688,538
10	Bug Tussel Wireless (Co. Florence)	\$237,248	39	Reedsburg Utility Comm. (T)	\$36,207
11	Bug Tussel Wireless (Co. Fond du Lac)	\$213,472	40	Reedsburg Utility Comm. (T)	\$96,000
12	Bug Tussel Wireless (Co. Iron)	\$511,627	41	Reedsburg Utility Comm. (T)	\$756,000
13	Bug Tussel Wireless (Co. Wood)	\$482,988	42	Reedsburg Utility Comm. (R)	\$1,088,371
14	Bug Tussel Wireless (Co. Wood - Southwest - Pittsville SD)	\$489,233	43	Reedsburg Utility Comm. (R)	\$732,310
15	CCI Systems, Inc. (T. Solon Springs & Gordon)	\$336,858	44	Richland Grant Tel. Coop. (C)	\$35,676
16	CCI Systems, Inc. (Green Lake, T. Mountain)	\$66,897	45	Richland Grant Tel. Coop. (S)	\$1,624,094
17	CenturyLink (Boulder Junction, Phase 2)	\$2,225,032	46	Siren Tel. Co. (Green Lake & I)	\$11,010
18	ChoiceTel (T. St. Germain, Phase 2)	\$588,925	47	Siren Tel. Co. (Sand Lake)	\$48,000
19	Clear Lake Tel. Co. (Clear Lake)	\$488,000	48	Spectrum Mid-America - Ba	\$8,658
20	Edge Broadband / Whitewater Wideband (Whitewater Lake)	\$237,093	49	Starline Technologies (T. Co	\$76,744
21	Hilbert Communications (Co. Kewaunee)	\$1,482,537	50	Starline Technologies (Inda	\$54,716
22	Marquette-Adams Tel. Co-op. (T. Dakota & Watoma)	\$162,543	51	Starline Technologies (West	\$133,645
23	Marquette-Adams Tel. Co-op. (T. Harris & Westfield)	\$164,242	52	Superior Connections (Bad I	\$341,461
24	Marquette-Adams Tel. Co-op. (T. Newport, Phase 2)	\$84,064	53	Tech Com (Co. Richland, Pha	\$184,034
25	Midcontinent Comm. (Ellsworth)	\$83,169	54	Tech Com (Co. Richland, Pha	\$188,044
26	Mosaic Technologies (T. Cedar Lake)	\$1,263,791	55	Tri-County Comm. Co-op. (T	\$16,500
27	Mosaic Technologies (T. New Haven & Prairie Farm)	\$946,819	56	Tri-County Comm. Co-op. (T	\$71,163
28	Mosaic Technologies (T. Otter Creek & Sand Creek)	\$968,218	57	Tri-County Comm. Co-op. (N	\$123,423
29	Northwest Comm. / Somerset Tel. Co. (T. Star Prairie)	\$168,000	58	UpNettel, LLC (T. Bristol)	\$358,000
			59	UpNettel, LLC (T. Cottage Gr	\$65,282
			60	US Internet (Light the Lake)	\$248,458
			61	US Internet (Light the Lake)	\$283,467
			62	US Internet (Light the Lake)	\$93,200
			63	Vernon Comm. Co-op. (Crav	\$114,230
			64	Vernon Comm. Co-op. (Vern	\$153,100
			65	Wittenberg Tel. Co. (Co. Ma	\$187,825

GRANT AWARD 1

Map Label	Project	Request Total	Map Label	Project	Request Total
1	24-7 Telecom, Inc. #1 (CTH 8)	\$273,300	37	Li	
2	24-7 Telecom, Inc. #2 (T. Sherman)	\$688,000	38	Li	
3	24-7 Telecom, Inc. #3 (T. Wheaton)	\$78,500	39	Li	
4	AirFiber, Inc. (Douglas Co.)	\$148,000	40	M	
5	Amery Telecom, Inc. #1 (T. Cylon)	\$82,250	41	M	
6	Amery Telecom, Inc. #2 (T. Lincoln)	\$81,000	42	M	
7	Amherst Tel. Co. (T. Buena Vista & Dayton)	\$478,985	43	M	
8	BEVCOMM / Hager Telecom (T. Diamond Bluff, Phase 3)	\$444,211	44	N	
9	Bloomer Tel. Co. (T. Colfax)	\$688,538	45	N	
10	Bruce Tel. Co. (Chippewa Ave.)	\$36,207	46	N	
11	Bug Tussel Wireless #1 (Co. Kewaunee)	\$96,000	47	N	
12	Bug Tussel Wireless #2 (Menominee Indian Tribe of WI)	\$756,000	48	N	
13	Bug Tussel Wireless #4 / Hilbert Comm., LLC (Green County)	\$1,088,371	49	N	
14	Bug Tussel Wireless #5 / Hilbert Comm., LLC (Iowa County)	\$732,310	50	N	
15	CenturyLink #3 (Bona Coulee)	\$35,676	51	N	
16	CenturyLink #4 (Boulder Junction)	\$1,624,094	52	N	
17	CenturyLink #9 (Tomah)	\$11,010	53	O	
18	Charter Comm. #1 (T. Anson)	\$48,000	54	O	
19	Charter Comm. #2 (T. Belgrave)	\$8,658	55	P	
20	Charter Comm. #5 (V. Fairwater)	\$76,744	56	R	
21	Charter Comm. #8 (T. Jackson)	\$54,716	57	R	
22	Charter Comm. #10 (T. Lincoln & Washington)	\$133,645	58	R	
23	Charter Comm. #12 (V. Marquette)	\$341,461	59	R	
24	Charter Comm. #16 (V. Randolph)	\$184,034	60	R	
25	Charter Comm. #20 (T. Sturgeon Bay)	\$188,044	61	S	
26	Charter Comm. #21 (T. Woodruff)	\$16,500	62	Si	
27	Chibardun Tel. Coop. #2 (T. Barron)	\$71,163	63	Si	
28	Chibardun Tel. Coop. #3 (T. Tazewell)	\$123,423	64	Ti	
29	Clear Lake Tel. Co. (V. Clear Lake)	\$358,000	65	Ti	
30	Door County Broadband LLC #4 (T. Neshawapee)	\$65,282	66	Ti	
31	e-Verget.com (T. Raymond & V. Yorkville)	\$248,458	67	U	
32	Edge Broadband / Whitewater Wideband (Lake Lorraine, North & Turtle Lake)	\$283,467	68	U	
33	Forest County	\$93,200	69	V	
34	Janesville, City of	\$114,230	70	V	
35	Lakeland Comm. #2 (T. Sunika, Phase 3)	\$153,100	71	V	
36	Lakeland Comm. #3 (T. Sunika, Phase 4)	\$187,825	72	W	

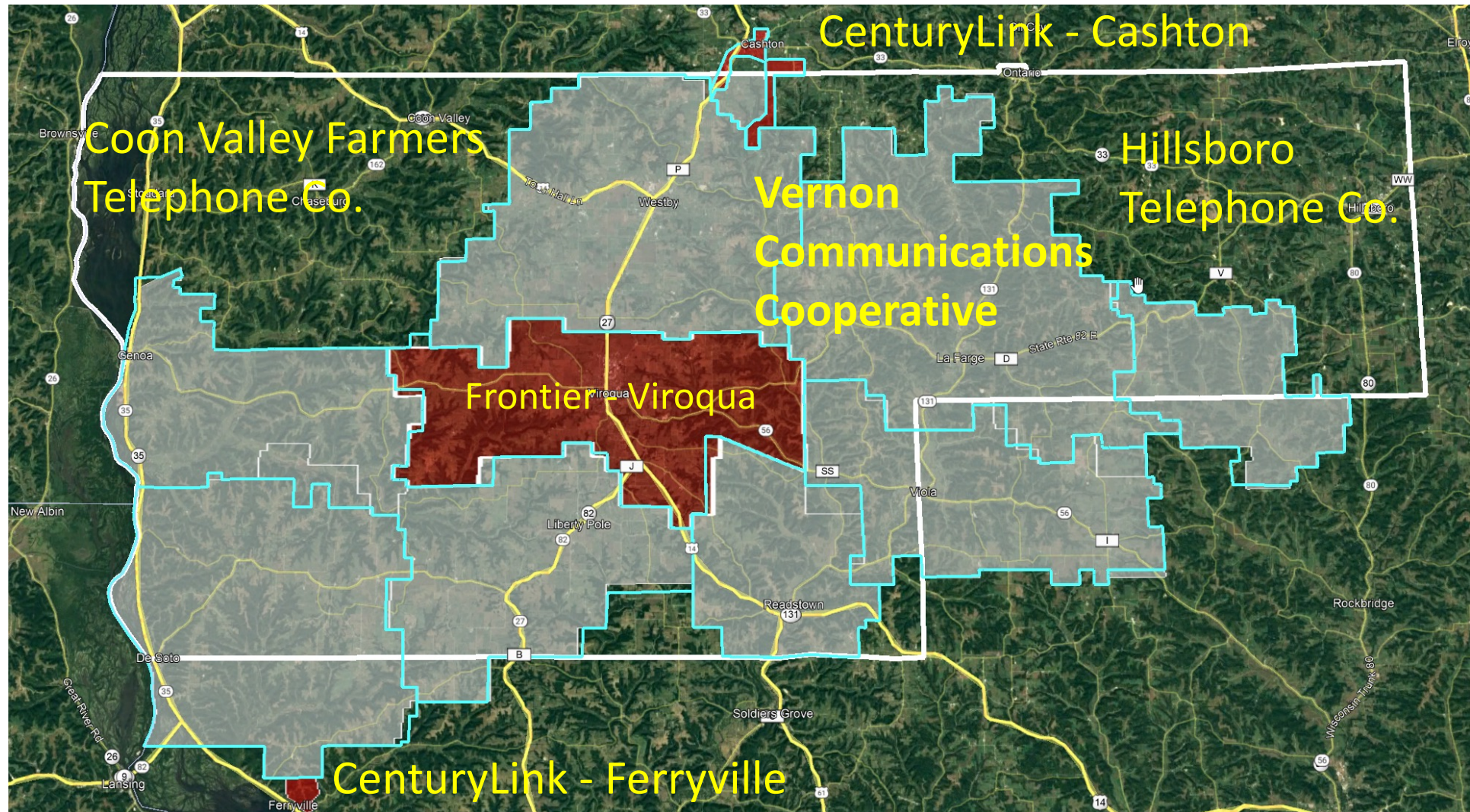
Map Label	Project	Award Total	Map Label	Project	Award Total
1	FY 2014 - \$500,000 Awarded		68	FY 2018, Round 2 continued	
2	CO Systems (Lake Eau Claire)	\$138,467	69	CenturyLink (Cambria Area)	\$174,150
3	ChoiceTel (T. St. Germain)	\$588,925	70	CenturyLink (City of Prairie du Chien)	\$68,480
4	ChoiceTel (Hwy 17)	\$427,177	71	CenturyLink (Eastville Area)	\$35,870
5	ChoiceTel (Hwy 17)	\$427,177	72	CenturyLink (Town of Maunabo)	\$10,500
6	ChoiceTel (Village of Weston)	\$1,387,4	73	Chequamegon Comm. Co-op. (Town of Ilwaco, Phase 1)	\$190,000
7	ChoiceTel (Village of Weston)	\$1,387,4	74	ChoiceTel (St. Germain Area)	\$158,326
8	ChoiceTel (Village of Weston)	\$1,387,4	75	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
9	ChoiceTel (Village of Weston)	\$1,387,4	76	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
10	ChoiceTel (Village of Weston)	\$1,387,4	77	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
11	ChoiceTel (Village of Weston)	\$1,387,4	78	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
12	ChoiceTel (Village of Weston)	\$1,387,4	79	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
13	ChoiceTel (Village of Weston)	\$1,387,4	80	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
14	ChoiceTel (Village of Weston)	\$1,387,4	81	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
15	ChoiceTel (Village of Weston)	\$1,387,4	82	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
16	ChoiceTel (Village of Weston)	\$1,387,4	83	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
17	ChoiceTel (Village of Weston)	\$1,387,4	84	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
18	ChoiceTel (Village of Weston)	\$1,387,4	85	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
19	ChoiceTel (Village of Weston)	\$1,387,4	86	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
20	ChoiceTel (Village of Weston)	\$1,387,4	87	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
21	ChoiceTel (Village of Weston)	\$1,387,4	88	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
22	ChoiceTel (Village of Weston)	\$1,387,4	89	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
23	ChoiceTel (Village of Weston)	\$1,387,4	90	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
24	ChoiceTel (Village of Weston)	\$1,387,4	91	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
25	ChoiceTel (Village of Weston)	\$1,387,4	92	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
26	ChoiceTel (Village of Weston)	\$1,387,4	93	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
27	ChoiceTel (Village of Weston)	\$1,387,4	94	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
28	ChoiceTel (Village of Weston)	\$1,387,4	95	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
29	ChoiceTel (Village of Weston)	\$1,387,4	96	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
30	ChoiceTel (Village of Weston)	\$1,387,4	97	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
31	ChoiceTel (Village of Weston)	\$1,387,4	98	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
32	ChoiceTel (Village of Weston)	\$1,387,4	99	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
33	ChoiceTel (Village of Weston)	\$1,387,4	100	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
34	ChoiceTel (Village of Weston)	\$1,387,4	101	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
35	ChoiceTel (Village of Weston)	\$1,387,4	102	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
36	ChoiceTel (Village of Weston)	\$1,387,4	103	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
37	ChoiceTel (Village of Weston)	\$1,387,4	104	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
38	ChoiceTel (Village of Weston)	\$1,387,4	105	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
39	ChoiceTel (Village of Weston)	\$1,387,4	106	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
40	ChoiceTel (Village of Weston)	\$1,387,4	107	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
41	ChoiceTel (Village of Weston)	\$1,387,4	108	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
42	ChoiceTel (Village of Weston)	\$1,387,4	109	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
43	ChoiceTel (Village of Weston)	\$1,387,4	110	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
44	ChoiceTel (Village of Weston)	\$1,387,4	111	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
45	ChoiceTel (Village of Weston)	\$1,387,4	112	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
46	ChoiceTel (Village of Weston)	\$1,387,4	113	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
47	ChoiceTel (Village of Weston)	\$1,387,4	114	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
48	ChoiceTel (Village of Weston)	\$1,387,4	115	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
49	ChoiceTel (Village of Weston)	\$1,387,4	116	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
50	ChoiceTel (Village of Weston)	\$1,387,4	117	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
51	ChoiceTel (Village of Weston)	\$1,387,4	118	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
52	ChoiceTel (Village of Weston)	\$1,387,4	119	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
53	ChoiceTel (Village of Weston)	\$1,387,4	120	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
54	ChoiceTel (Village of Weston)	\$1,387,4	121	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
55	ChoiceTel (Village of Weston)	\$1,387,4	122	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
56	ChoiceTel (Village of Weston)	\$1,387,4	123	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
57	ChoiceTel (Village of Weston)	\$1,387,4	124	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
58	ChoiceTel (Village of Weston)	\$1,387,4	125	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
59	ChoiceTel (Village of Weston)	\$1,387,4	126	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
60	ChoiceTel (Village of Weston)	\$1,387,4	127	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
61	ChoiceTel (Village of Weston)	\$1,387,4	128	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
62	ChoiceTel (Village of Weston)	\$1,387,4	129	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
63	ChoiceTel (Village of Weston)	\$1,387,4	130	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
64	ChoiceTel (Village of Weston)	\$1,387,4	131	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
65	ChoiceTel (Village of Weston)	\$1,387,4	132	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
66	ChoiceTel (Village of Weston)	\$1,387,4	133	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
67	ChoiceTel (Village of Weston)	\$1,387,4	134	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
68	ChoiceTel (Village of Weston)	\$1,387,4	135	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
69	ChoiceTel (Village of Weston)	\$1,387,4	136	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
70	ChoiceTel (Village of Weston)	\$1,387,4	137	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
71	ChoiceTel (Village of Weston)	\$1,387,4	138	Cochrane Co-op. Tel. Co. (Town of Milton)	\$391,807
72	ChoiceTel (Village of Weston)	\$1,387,4			

Vernon Communications Cooperative Serving Area

8,500 Current Cooperative Members (Large Amish Population)

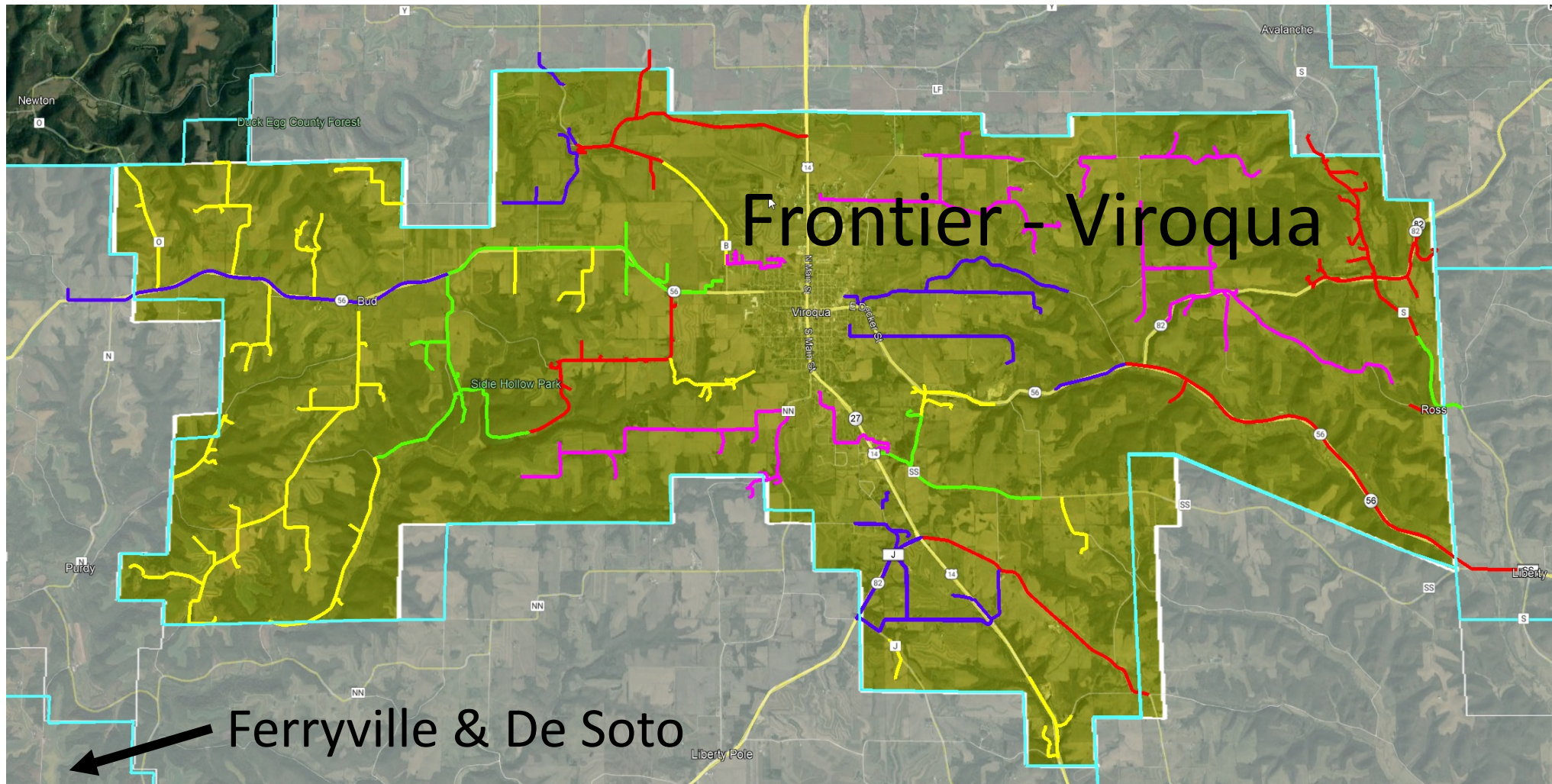
Pass 13,062 Locations & 615 Sq. Miles (ILEC & CLEC)

99.8% have FTTH in place or to the property Line



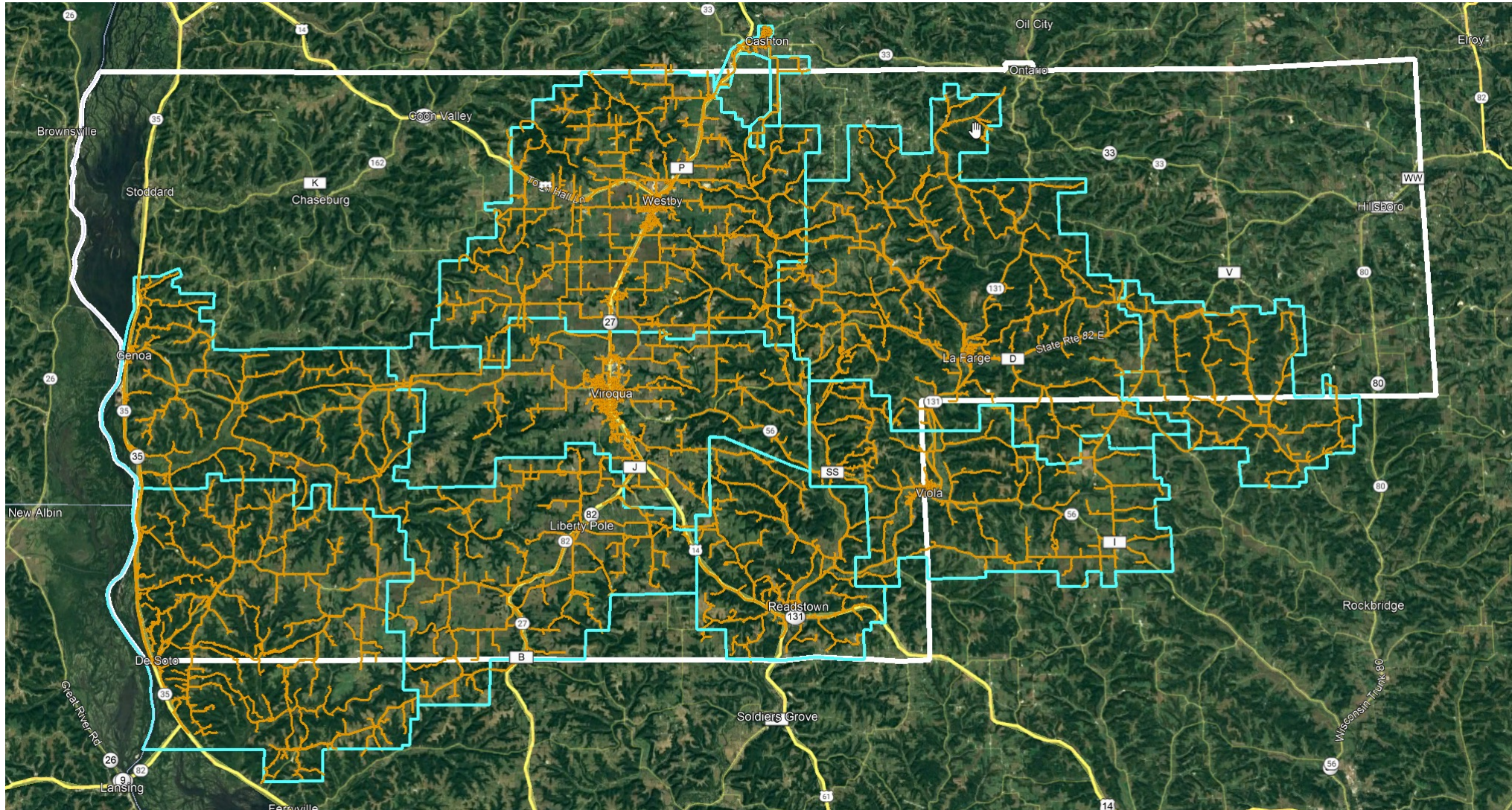
PSC Broadband Grant Projects - Fiber-to-the-Home

Frontier Viroqua (Rural)	5 – Phases	\$1,598,597	5-Grants (100% Overbuilt)
Ferryville (Rural)		\$ 172,900	Grant
De Soto (Village)		\$ 129,525	Grant
Total Grants Awarded		\$1,901,022	



Vernon Communications Cooperative Fiber-to-the- Home Coverage

Miles of Fiber ILEC = 1,950
 CLEC = 275
 Total = 2,225

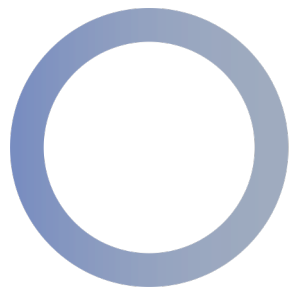


TCC Broadband Expansion

- Town of Drammen
 - Two Providers
 - TCC
 - West Wisconsin Telcom – 24/7
 - Property Tax
- Newcomb Valley

TCC Broadband Expansion

- Current Grant Applications
 - Town of Naples
 - Jackson County
- Future Grant Applications



QUESTIONS



THANK YOU!

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