MARATHON COUNTY
BROADBAND TASK FORCE MEETING
<mark>AMENDED</mark> AGENDA

Date & Time of Meeting: **Monday, August 23, 2021 at 4:00 P.M.**
Meeting Location: <mark>**WebEx/Courthouse Assembly Room, B-105, 500 Forest Street, Wausau WI**</mark>

Task Force Members: Eric Budleski, Sandi Cihlar, Jon Euting, Sara Guild, Jacob Langenhahn, Milton Olson, John Robinson, and Kurt Schoenrock

Task Force Purpose: *Develop recommendations identifying the potential role of Marathon County in facilitating the expansion of Broadband access in Marathon County. Review the Report: Broadband for Marathon County Broadband Assessment and Plan prepared by Design Nine and develop broad policies and partnership recommendations relating to the expansion of broadband/internet services throughout Marathon County.*

The meeting site identified above will be open to the public. However, due to the COVID-19 pandemic and associated public health directives, Marathon County encourages Task Force members and the public to attend this meeting remotely. Instead of attendance in person, Task Force members and the public may attend this meeting by **telephone conference**. If Task Force members or members of the public cannot attend remotely, Marathon County requests that appropriate safety measures, including adequate social distancing, be utilized by all in-person attendees.

Phone #: 1-408-418-9388   Access Code: 146 159 7938
When you enter the telephone conference, **PLEASE PUT YOUR PHONE ON MUTE!**

1. Call Meeting to Order
2. Public Comments (15 Minute limit)
3. Approval of the July 7, 2021 Broadband Task Force Meeting Minutes
4. Educational Presentations and Committee Discussion:
    A. Update on Grant Applications For the Wisconsin PSC's American Rescue Act Broadband Access Grant
    B. Update on Marathon County/Charter application to NTIA
    C. Potential Federal and State Funding Sources For Broadband Expansion and Affordability
5. Policy Discussion And Possible Action:
    A. <mark>Bug Tussel Conduit Bonding Proposal</mark>
    B. Marathon County's Future Role As A Fiscal Partner For Broadband Expansion
        1. Define Role of County
        2. Commitments: Financial or other
            a) Potential use of ARPA funds
        3. Expectations of Internet Service Providers/Partners
        4. Partnerships to extend service too hard to reach areas
        5. Staff support for broadband expansion efforts
    B. Review of Marathon County Broadband Survey and Distribution Plan
    C. Development of a Request for Proposals for Broadband Services (based on Kewaunee County approach)
6. Next Meeting: Monday, September 27, 2021: Topics
7. Next Steps
8. Adjournment

"*Any person planning to attend this meeting who needs some type of special accommodation in order to participate should call the County Clerk's Office at 715-261-1500 or e-mail infomarathon@mail.co.marathon.wi.us one business day before the meeting.*

SIGNED /s/ John Robinson
Presiding Officer or Designee

FAXED/EMAILED TO: Wausau Daily Herald, City Pages, and Other Media Groups

NOTICE POSTED AT COURTHOUSE

FAXED/EMAILED BY: T. Ranallo
FAXED/EMAIL DATE/TIME: 8/19/2021 10:45 A.M.

BY: T. Ranallo
DATE/TIME: 8/19/2021 10:45 A.M

MARATHON COUNTY
BROADBAND TASK FORCE MEETING
MINUTES

Wednesday, July 7, 2021 at 4:00 P.M.
Conference Room 5, 212 River Drive, Wausau, WI

Members	Present/Web-Phone	Absent
Chair John Robinson	X	
Randy Fifrick	X	
Eric Budleski	X	
Sandi Cihlar	X	
Sara Guild	X	
Jacob Langenhahn	X	
Jon Euting	X	
Milton Olson	X	
Wade Carroll		X
Lance Leonhard	X	
Kurt Gibbs	X	
Gerry Klein	X	
Melinda Osterberg	X	
Jean Maszk	X	
Kurt Schoenrock	X	
Scott Nyman	X	
Valerie Carrillo	X	
Sarah Dowidat	X	
Scott Feldt	X	
Jonathan Fisher	X	
Chris Dickenson	X	
Bill Flood	X	
Jeremy Carolfi	X	
Scott Nyman	X	

1. Call Meeting to Order
The meeting was called to order by Chair Robinson at 4:03 pm. All participants were welcomed.

2. Public Comments (15 Minute limit)
No public comment

3. Approval of the June 21, 2021 Broadband Task Force Meeting Minutes
MOTION BY SUPERVISOR LANGENHAHN; SECOND BY GUILD TO APPROVE THE JUNE 21, 2021 BROADBAND TASK FORCE MEETING MINUTES. MOTION CARRIED.

4. Educational Presentations and Committee Discussion:
A. Kewaunee County Request for Broadband Services - Scott Feldt, Kewaunee County Administrator

Chair Robinson introduced Kewaunee County Administrator Scott Feldt and shared that the County had completed a Countywide RFP process for broadband expansion.

Scott Feldt shared information regarding Kewaunee County's approach to broadband expansion. The County partnered with an ISP on several grant applications of which only one small application was funded by the PSC. The County issued an RFP for broadband expansion, the County received nine proposals, interviewed four providers, and selected Bug Tussel to partner with. Two applications to the PSC partnering with Bug Tussel were awarded. Feldt shared that

Kewaunee County's match was in the form of a 12 year loan. Bug Tussel will pay any interest incurred by the County, plus .50%. Through this project Kewaunee County anticipates that 85% of the County will be covered at project completion. Feldt relayed that the work of Bug Tussel has encouraged other internet service providers to expand service within the County. Kewaunee County will continue to lend money to interested internet service providers, but will not grant funds. The project uses tower equipment with an 8-10 year life span and provides speeds of 12 Mbps for a monthly fee of $50 a month.

B.   **Recognition of Melinda Osterberg for her Contributions toward Broadband Expansion**
   The Broadband Task Force thanked Melinda Osterberg for her support of broadband expansion in Marathon County.

C.   **Staff Support of the Broadband Task Force**
 Gerry Klein will be supporting the PSC grant application with support from Sarah Dowidat in Administration. Sara Guild relayed the EEECD Committee has been in discussion with UW-Madison Extension on what support educators can provide the Broadband Task Force, the Committee is also examining different project management structures.

6. Policy Discussion And Possible Action:
A.   **Review and rank potential internet service provider partnership proposals for 2021 WI PSC ARPA Broadband Expansion Grant program**
Chair Robinson indicated that the PSC ARPA grant criteria are different from the annual PSC grant program and that there is a bias towards fiber projects. Marathon County has received four proposals to date and are included in the meeting packet.

Scott Nyman, Wittenberg Telephone, introduced their proposal of a 6-mile fiber build connecting 101 homes and three businesses. Nyman indicated the proposed area was determined by PSC's ARPA map, as the area is depicted as underserved on PSC mapping.

Jeremy Carolfi, Country Wireless, stated that the two areas are within Country Wireless's service area and they are adjacent to existing fiber. The SW Marathon County Project is anticipated to be 28.94 miles of fiber serving 223 households and the Maryel Subdivision Projects will be 6.38 miles of fiber serving 113 households. Country Wireless is requesting $500,000 in funding from Marathon County and 1.2 million from the PSC.

Bug Tussel is requesting Marathon County to underwrite a $16,600,000 loan for broadband expansion. The project includes middle mile 215 miles of fiber and 13 broadband towers. Bug Tussel will also request $1.5 million in PSC funding.

LTD Wireless is $250,000 in funding from Marathon County for a $1.184 million fiber broadband project. LTD wireless anticipates that 20,200 people will be served upon project completion.

The Task Force discussed speeds provided by the proposals, with Bug Tussel and Country Wireless providing phased proposals that may not immediately provides symmetrical 100 Mbps service. LTD and Wittenberg Telephone will provide symmetrical gig service.

The PSC ARPA criteria prioritizes fiber service and "last mile connection." The Task Force discussed supporting Cirrinity's proposal given the PSC ARPA grant requirements. The Task Force

discussed the ambiguity of Country Wireless a grant and loan combination.

County Board Chair Gibbs suggested that the Task Force determine a per household basis cost share for the Wittenberg/Cirrinity and Country Wireless proposals.

Chair Robinson suggested that the $177,000 remaining County budgeted funds be divided on a per household basis for the Cirrinity and Country Wireless proposals with the providers providing certified numbers in anticipation of preparation of PSC grant materials.

Olson motioned to support the Cirrinity, Country Wireless and Bug Tussel proposals, including $62,992 for Cirrinity with the balance of the capital improvement program broadband funding allocated to Country Wireless. Chilar seconded the motion. Motion carried unanimously. The County Board will need to evaluate the funding for the Bug Tussel proposal.

Chair Robinson indicated that template letters of support will be available for Task Force members to circulate. Letters will need to be provided to the ISPs by July 21st.

Marathon County will be seeking input on use of APRA funds from the Marathon County Towns Association and other members of the general public at four different forums.

B.   Review of Marathon County Broadband Survey and Distribution Plan
Discussion and action was tabled due to time constraints and will be on the July 26th meeting.

C.   Development of a Request for Proposals for Broadband Service
Discussion and action was tabled due to time constraints and will be on the July 26th meeting.

6. Next Meeting Logistics And Topics
Chair Robinson stated the next regular meeting will be July 26, 2021.

7. Adjournment
   Chilar motioned to adjourn, seconded by Guild. Motion carried unanimously. MEETING ADJOURNED AT 6:37 PM.
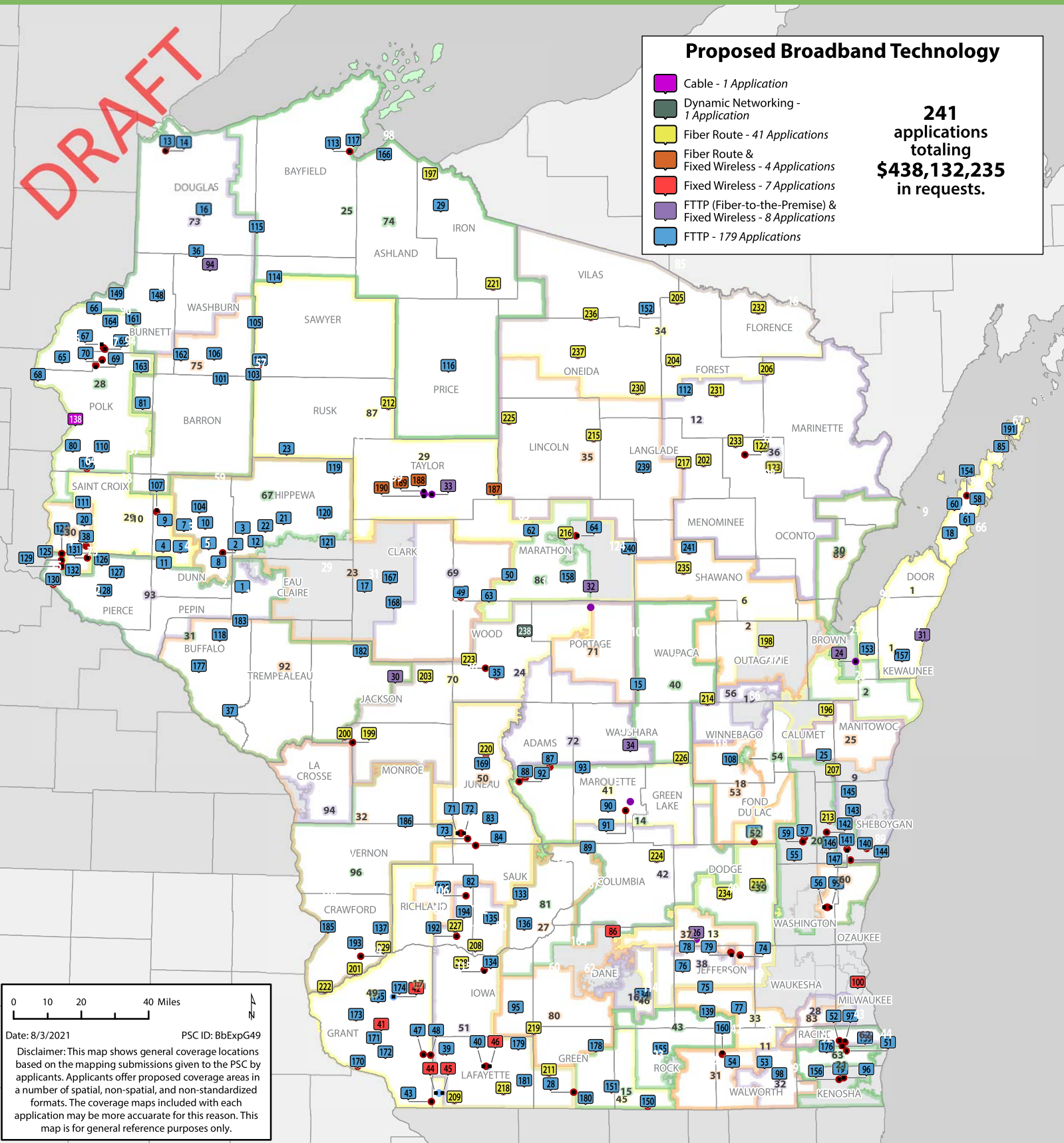
ARPA BROADBAND GRANT APPLICANTS, FISCAL YEAR 2022
Presented by the Wisconsin Broadband Office

Proposed Broadband Technology

- Cable - *1 Application*
- Dynamic Networking - *1 Application*
- Fiber Route - *41 Applications*
- Fiber Route & Fixed Wireless - *4 Applications*
- Fixed Wireless - *7 Applications*
- FTTP (Fiber-to-the-Premise) & Fixed Wireless - *8 Applications*
- FTTP - *179 Applications*

241 applications totaling $438,132,235 in requests.

0 10 20 40 Miles

Date: 8/3/2021   PSC ID: BbExpG49

Disclaimer: This map shows general coverage locations based on the mapping submissions given to the PSC by applicants. Applicants offer proposed coverage areas in a number of spatial, non-spatial, and non-standardized formats. The coverage maps included with each application may be more accurate for this reason. This map is for general reference purposes only.

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Map Label	Project	Request Total
1	24-7 Telcom #1 (T. Brunswick)	$869,545
2	24-7 Telcom #2 (T. Elk Mound)	$1,383,320
3	24-7 Telcom #3 (T. Howard)	$529,635
4	24-7 Telcom #4 (T. Lucas)	$857,915
5	24-7 Telcom #5 (T. Menomonie)	$1,069,815
6	24-7 Telcom #6 (T. Red Cedar, Phase 3)	$1,479,140
7	24-7 Telcom #7 (T. Sherman, Phase 2)	$1,305,440
8	24-7 Telcom #8 (T. Spring Brook)	$794,835
9	24-7 Telcom #9 (T. Stanton)	$1,506,790
10	24-7 Telcom #10 (T. Tainter)	$1,438,035
11	24-7 Telcom #11 (T. Weston, Phase 2)	$616,285
12	24-7 Telcom #12 (T. Wheaton, Phase 2)	$1,421,630
13	AirFiber #1 (Co. Douglas, Afterburner)	$340,496
14	AirFiber #2 (Co. Douglas, Through the Trees)	$648,450
15	Amherst Tel. Co. (T. Dayton, Phase 2)	$147,640
16	Astrea Connect #1 (Co. Douglas, Phase 2)	$2,370,831
17	Astrea Connect #2 (T. Foster, Rock Dam Lake)	$179,048
18	AT&T #1 (Sturgeon Bay)	$1,861,446
19	AT&T #2 (Union Grove)	$1,718,714
20	Baldwin Telecom (T. Warren)	$2,894,539
21	Bloomer Tel. Co. #1 (T. Eagle Point)	$1,216,759
22	Bloomer Tel. Co. #2 (T. Tilden)	$663,340
23	Bruce Tel. Co. (Fireside Lake)	$66,225
24	Bug Tussel #1 (Co. Brown)	$1,381,516
25	Bug Tussel #2 (Co. Calumet)	$1,028,610
26	Bug Tussel #3 (Co. Dodge)	$2,000,799
27	Bug Tussel #4 (Co. Fond du Lac)	$2,199,908
28	Bug Tussel #5 (Co. Green)	$1,173,394
29	Bug Tussel #6 (Co. Iron)	$1,408,035
30	Bug Tussel #7 (Co. Jackson)	$1,618,356
31	Bug Tussel #8 (Co. Kewaunee)	$975,305
32	Bug Tussel #9 (Co. Marathon)	$2,347,073
33	Bug Tussel #10 (Co. Taylor)	$1,637,181
34	Bug Tussel #11 (Co. Waushara)	$2,261,992
35	Bug Tussel #12 (Co. Wood)	$1,819,798
36	CenturyLink (Minong)	$2,527,247
37	Cochrane Coop. (T. Cross)	$2,100,000
38	Comcast (T. Kinnickinnic)	$2,460,000
39	ComElec #1 (Belmont)	$585,650
40	ComElec #2 (Darlington)	$631,681
41	ComElec #3 (Co. Grant, 23 Sites)	$942,808
42	ComElec #4 (Co. Grant, Upgrades)	$196,586
43	ComElec #5 (Hazel Green)	$193,184
44	ComElec #6 (Co. Lafayette, 2 Sites)	$85,156
45	ComElec #7 (Co. Lafayette, 9 Sites)	$382,275
46	ComElec #8 (Co. Lafayette, Upgrades)	$319,355
47	ComElec #9 (C. Platteville)	$345,369
48	ComElec #10 (Platteville East Side Fiber)	$329,187
49	Country Wireless #1 (Co. Marathon - Southwest)	$751,306
50	Country Wireless #2 (Maryel Subdivision)	$340,057
51	e-vergent #1 (Paris)	$2,197,176
52	e-vergent #2 (Co. Racine)	$600,000
53	Edge Broadband #1 (T. Lafayette)	$144,804
54	Edge Broadband #2 (T. Richmond & Sugar Creek)	$1,357,956
55	Ethoplex #1 (T. Auburn)	$299,376
56	Ethoplex #2 (T. Jackson)	$386,417
57	Ethoplex #3 (T. Osceola)	$368,122
58	Frontier #1 (Baileys Harbor)	$5,335,870
59	Frontier #2 (Campbellsport)	$6,759,636
60	Frontier #3 (Egg Harbor)	$2,085,737
61	Frontier #4 (Jacksonport)	$1,399,451
62	Frontier #5 (Marathon)	$7,249,363
63	Frontier #6 (Marshfield)	$6,998,802
64	Frontier #7 (Wausau)	$4,765,585
65	Grantsburg Telcom #1 (Anderson)	$223,530
66	Grantsburg Telcom #2 (Clam River, Phase 1)	$251,545
67	Grantsburg Telcom #3 (Daniels, Dunham Lake)	$250,446
68	Grantsburg Telcom #4 (Sterling)	$403,324
69	Grantsburg Telcom #5 (Trade Lake & West Sweden)	$108,822
70	Grantsburg Telcom #6 (West Sweden, Phase 2)	$108,986
71	Hillsboro Tel. Co. #1 (Co. Juneau, Sauk, Vernon)	$3,015,819
72	Hillsboro Tel. Co. #2 (V. Union Center)	$297,387
73	Hillsboro Tel. Co. #3 (V. Wonewoc)	$1,067,860
74	Jefferson County #1 (T. Ixonia)	$3,381,190
75	Jefferson County #2 (T. Jefferson)	$2,998,569
76	Jefferson County #3 (T. Lake Mills)	$3,885,767
77	Jefferson County #4 (T. Palmyra, Phase 2)	$1,768,906
78	Jefferson County #5 (T. Waterloo)	$2,481,356
79	Jefferson County #6 (T. Watertown, Phase 3)	$316,038
80	Lakeland Comm. #1 (T. Alden, Farmington & Osceola)	$1,550,000
81	Lakeland Comm. #2 (T. Johnstown)	$1,469,000
82	LaValle Tel. Coop. #1 (Lime Ridge)	$856,000
83	LaValle Tel. Coop. #2 (STH 58, Phase 2 - Route to Mauston)	$624,750
84	LaValle Tel. Coop. #3 (T. Woodland)	$949,500
85	Liberty Grove, Town of (Northport FTTH Pilot)	$318,500
86	Madison Campground	$11,922
87	Marquette-Adams #1 (T. Adams - East)	$998,510
88	Marquette-Adams #2 (T. Adams - West)	$538,645
89	Marquette-Adams #3 (T. Fort Winnebago & Lewiston)	$901,679
90	Marquette-Adams #4 (T. Harris & Packwaukee)	$324,091
91	Marquette-Adams #5 (T. Towns of Mecan, Montello & Shields)	$2,422,837
92	Marquette-Adams #6 (T. Quincy)	$986,180
93	Marquette-Adams #7 (T. Springfield)	$790,568
94	Metify Inc. (Co. Washburn)	$477,010
95	MHTC (CTH K)	$610,405
96	Midwest Fiber #1 (Co. Kenosha)	$2,947,088
97	Midwest Fiber #2 (Co. Milwaukee & Racine)	$4,938,795
98	Midwest Fiber #3 (Co. Walworth)	$2,936,634
99	Midwest Fiber #4 (Co. Washington)	$1,539,937
100	Milwaukee, City of (Metro Milwaukee Connected)	$12,520,549
101	Mosaic Technologies #1 (Bear Lake & Oak Grove)	$3,625,483
102	Mosaic Technologies #2 (Big Chetac)	$4,093,321
103	Mosaic Technologies #3 (Four Corners)	$185,530
104	Mosaic Technologies #4 (T. Otter Creek)	$878,700
105	Mosaic Technologies #5 (Sand Lake & Stone Lake)	$10,978,863
106	Mosaic Technologies #6 (T. Sarona)	$4,233,425
107	Nextgen Broadband (Glenwood City)	$2,130,629
108	Northern Tel. & Data (Co. Winnebago)	$541,790
109	Northwest Comm. #1 / Somerset Tel. Co. (T. Alden)	$333,200
110	Northwest Comm. #2 / Amery Telcom (Amery Exchange)	$980,000
111	Northwest Comm. #3 / Northwest Community Comm. (T. Richmond)	$479,400
112	Northwoods Connect (Co. Forest, Oneida & Vilas)	$2,283,772
113	Norvado #1 (T. Barksdale)	$624,580
114	Norvado #2 (T. Lenroot)	$613,130
115	Norvado #3 (Lower Eau Claire)	$141,070
116	Norvado #4 / Price County Tel. Co. (Phillips - East, Musser Lake)	$1,994,994
117	Norvado #5 (Washburn - North)	$483,365
118	NTEC (T. Mondovi)	$1,585,200
119	Ntera #1 (Arnold)	$673,650
120	Ntera #2 (Colburn & Crescent)	$436,403
121	Ntera #3 (Delmar & Edson)	$1,065,000
122	Oconto County EDC #1 (Lakeland & Townsend)	$945,710
123	Oconto County EDC #2 (Montain & Riverview)	$1,595,464

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Map Label	Project	Request Total
124	Pierce Pepin Coop. #1 (Clifton - North)	$1,080,103
125	Pierce Pepin Coop. #2 (Clifton - South)	$537,725
126	Pierce Pepin Coop. #3 (T. Ellsworth)	$627,174
127	Pierce Pepin Coop. #4 (El Paso)	$1,293,497
128	Pierce Pepin Coop. #5 (Esdaile - Northwest)	$591,698
129	Pierce Pepin Coop. #6 (Oak Grove - North)	$712,130
130	Pierce Pepin Coop. #7 (Oak Grove - South)	$507,549
131	Pierce Pepin Coop. #8 (T. River Falls - Northeast)	$804,340
132	Pierce Pepin Coop. #9 (Trimbelle - West)	$575,465
133	Reedsburg Utility Comm. #1 (Happy Hill)	$2,362,500
134	Reedsburg Utility Comm. #2 (Co. Iowa)	$2,025,000
135	Reedsburg Utility Comm. #3 (White Mound)	$3,757,500
136	Reedsburg Utility Comm. #4 (Witwen)	$3,600,000
137	Richland-Grant Tel. Coop. (Co. Crawford)	$2,364,000
138	St. Croix Falls, City of (Valley View)	$25,000
139	School District of Fort Atkinson (Fort Atkinson Rural Fiber Initiative)	$5,992,186
140	Sheboygan County EDC #1 (T. Holland)	$3,834,533
141	Sheboygan County EDC #2 (T. Lyndon)	$3,577,260
142	Sheboygan County EDC #3 (T. Mitchell)	$6,842,101
143	Sheboygan County EDC #4 (T. Plymouth)	$1,317,794
144	Sheboygan County EDC #5 (V. Random Lake)	$1,385,027
145	Sheboygan County EDC #6 (T. Rhine)	$4,349,704
146	Sheboygan County EDC #7 (T. Scott)	$3,253,365
147	Sheboygan County EDC #8 (T. Sherman)	$4,782,430
148	Siren Tel. Co. #1 (T. Jackson, Voyager Village, Phase 2)	$421,948
149	Siren Tel. Co. #2 (T. Oakland, West Yellow River Rd)	$252,264
150	Sonic Spectrum #1 (T. Newark)	$523,355
151	Sonic Spectrum #2 (T. Spring Grove)	$297,355
152	SonicNet (T. Washington, Bass Lake)	$349,658
153	Spectrum #1 (Co. Brown)	$4,099,228
154	Spectrum #2 (T. Gibraltar)	$2,079,851
155	Spectrum #3 (T. Janesville)	$133,654
156	Spectrum #4 (Co. Kenosha)	$872,171
157	Spectrum #5 (Co. Kewaunee)	$13,485,382
158	Spectrum #6 (Co. Marathon)	$14,923,366
159	Spectrum #7 (Co. Racine)	$629,616
160	Spectrum #8 (Co. Walworth)	$3,004,617
161	Starwire #1 (Austin & Bass Lakes)	$505,015
162	Starwire #2 (Barronett, Roosevelt & Sarona)	$469,942
163	Starwire #3 (Indian Creek - South, Phase 2)	$540,057
164	Starwire #4 (Old 35 & Black Brook Rd, Phase 2)	$224,485
165	Starwire #5 (West Sweden, Phase 2)	$621,605
166	Superior Connections (Rez Connect)	$6,041,269
167	TDS #1 / Badger Telecom (Greenwood)	$3,980,369
168	TDS #2 / Badger Telecom (Neillsville)	$3,363,290
169	TDS #3 / Central State Tel. Co. (Necedah)	$1,088,791
170	TDS #4 / The Farmers Tel. Co. (Cassville)	$829,364
171	TDS #5 / The Farmers Tel. Co. (Lancaster)	$2,899,797
172	TDS #6 / The Farmers Tel. Co. (Potosi)	$943,333
173	TDS #7 / Grantland Telecom (Bloomington)	$1,860,245
174	TDS #8 / Grantland Telecom (Fennimore)	$2,084,859
175	TDS #9 / Grantland Telecom (Mt. Hope)	$1,944,081
176	TDS #10 / Southeast Tel. Co. of Wi. (Waterford)	$279,324
177	TDS #11 / Tenney Tel. Co. (Alma)	$3,437,253
178	TDS #12 / UTELCO (Albany)	$1,035,441
179	TDS #13 / UTELCO (Blanchardville)	$3,661,475
180	TDS #14 / UTELCO (Juda)	$1,100,873
181	TDS #15 / UTELCO (South Wayne)	$972,504
182	Tri-County Coop #1 (T. Alma)	$2,177,500
183	Tri-County Coop #2 (T. Naples)	$1,137,500
184	UpNetWI (T. Pleasant Springs)	$90,346
185	Vernon Comm. Coop. #1 (Co. Crawford)	$5,697,500
186	Vernon Comm. Coop. #2 (V. Ontario)	$1,430,160
187	WANRack #1 (Goodrich Town Hall)	$908,657
188	WANRack #2 (Grover Town Hall)	$900,440
189	WANRack #3 (Hammel Town Hall)	$183,151
190	WANRack #4 (Jump River Town Hall)	$1,171,618
191	Washington Island Electric Coop. (Washington Island, Phase 3)	$1,060,178
192	WIConnect #1 (T. Buena Vista)	$220,000
193	WIConnect #2 (Co. Crawford)	$1,567,000
194	WIConnect #3 (T. Ithaca)	$198,000
195	WIConnect #4 (T. Willow)	$352,000
196	WIN #1 (Appleton to Manitowoc)	$2,051,894
197	WIN #2 (Ashland to STHs 47 & 182)	$3,463,156
198	WIN #3 (Ashwaubenon to New London)	$1,574,996
199	WIN #4 (Black River Falls to Bangor)	$2,048,374
200	WIN #5 (Black River Falls to Meet Bangor Line)	$1,419,916
201	WIN #6 (Bridgeport to Boscobel)	$1,306,434
202	WIN #7 (Crandon to Shawano)	$3,225,895
203	WIN #8 (Dexterville to Black River Falls)	$2,585,231
204	WIN #9 (Eagle River to Crandon)	$2,345,328
205	WIN #10 (Eagle River to Tipler)	$2,053,160
206	WIN #11 (Florence to Goodman)	$1,792,949
207	WIN #12 (Forest Junction to Plymouth)	$2,129,064
208	WIN #13 (Gotham to Spring Green)	$748,535
209	WIN #14 (Hazel Green to Gratiot)	$1,901,230
210	WIN #15 (Horicon to Allenton)	$1,099,249
211	WIN #16 (Janesville to Platteville)	$4,681,703
212	WIN #17 (Ladysmith to Prentice)	$1,675,177
213	WIN #18 (Lomira to Sheboygan)	$2,457,441
214	WIN #19 (Menasha to Waupaca)	$1,442,704
215	WIN #20 (Merrill to Rhinelander)	$2,275,986
216	WIN #21 (Merrill to Rothschild)	$893,068
217	WIN #22 (Merrill to Wabeno)	$3,102,207
218	WIN #23 (Monroe to Benton)	$2,385,394
219	WIN #24 (Mount Horeb to Argyle)	$1,544,979
220	WIN #25 (Necedah)	$1,197,886
221	WIN #26 (Park Falls to Woodruff)	$2,576,715
222	WIN #27 (Patch Grove to Prairie du Chien)	$947,810
223	WIN #28 (Pittsville to Babcock)	$642,075
224	WIN #29 (Portage to Waupun)	$1,950,587
225	WIN #30 (Prentice to Merrill)	$2,395,370
226	WIN #31 (Richford to Fond du Lac)	$2,437,435
227	WIN #32 (Richland Center to Gotham)	$653,313
228	WIN #33 (Spring Green to Dodgeville)	$1,192,562
229	WIN #34 (Steuben to Wauzeka)	$459,922
230	WIN #35 (Three Lakes to Rhinelander)	$2,043,735
231	WIN #36 (Tipler to Crandon)	$2,472,582
232	WIN #37 (Tipler to Florence)	$1,343,430
233	WIN #38 (Wabeno to Lakewood)	$853,342
234	WIN #39 (Waupun to Watertown)	$1,766,383
235	WIN #40 (Wittenberg to Shawano)	$867,657
236	WIN #41 (Woodruff to Eagle River)	$1,518,179
237	WIN #42 (Woodruff to Rhinelander)	$1,578,144
238	WiscLift (State-wide Dynamic Networking)	$10,000,000
239	Wittenberg Tel. Co. #1 (Co. Langlade)	$544,850
240	Wittenberg Tel. Co. #2 (T. Norrie)	$150,000
241	Wittenberg Tel. Co. #3 (Stockbridge-Munsee)	$543,400

GRANT REQUEST TOTAL $438,132,235

BROADBAND GRANT SCHEDULE

Wisconsin PSC ARPA Broadband Grant

$100 million available 241 applications submitted for $438,132,235

 July 27, 2021, Applications due

August 20, 2021, Last day for submitting an objection to a grant application

August 27, 2021, Last day for submitting a response to an objection

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National Telecommunication and Information Administration Broadband Access Grant

$288 million available nationwide

August 17, 2021, Applications due

Nov. 15, 2021, NTIA completes its review, selection of successful applicants, and award processing

November 29, 2021, earliest start date for awards

Marathon County Broadband Access Survey

Broadband access in Marathon County, particularly outside of the incorporated cities, remains limited with service often unavailable or inconsistent. The recent COVID-19 pandemic has amplified the need for quality access to high speed internet.

Whatever your situation is related to broadband internet access, we know there are challenges and opportunities for improvement. Without reliable and affordable broadband internet, our communities will fall behind in attracting and retaining residents and providing quality jobs, and our kids will lack access to opportunities that other areas are building upon.

Marathon County Government and Marathon County-UW Madison Extension have been looking at options and potential solutions to our broadband challenges and are proactively moving forward on many fronts. To understand the needs, **we must have sound data about our situation as it exists now, and where we need improvements.**

The two main questions we need to address are what really exists in Marathon County for access to broadband internet and how is the quality of that resource. That information is essential to moving forward with better options and new solutions. Data collected will be valuable when we apply for **grants**, look for other **partners and financial resources**, and develop plans to **attract existing and new broadband internet service providers to Marathon County.**

To have the most useful information, we are requesting your complete address. We promise we will not share your address publicly but will use it as a way of mapping the internet services for the County. Survey results will be reviewed and reported in a way that **protects your individual anonymity.** If you have questions about the survey, please visit our website at <insert website> contact us by email at <insert email> or by phone at <insert phone number>.
The survey will take approximately 15 minutes. **Please complete the survey by August 1, 2021**. We appreciate your time and the information you are sharing. **You can help make this change!** *This survey was initially developed by Barry Hottmann, Iowa County Community Development Educator with the University of Wisconsin-Madison and modified by Melinda Osterberg, Marathon County Community Development Educator.*

Understanding Broadband Terminology: Broadband internet service is a form of high-speed internet access.

Wireless Broadband Internet Service: is exactly what the name implies: it is high-speed internet access without cables or wires.

Wireless Broadband Network: A term you may recognize in association with wireless broadband internet service includes wireless broadband network. A wireless network is a <u>single</u>

broadband internet arrangement established for **your home or office**. It requires several pieces of equipment and requires you to subscribe (pay for) to the broadband services on a continual (usually monthly) basis. You cannot utilize your wireless broadband network and equipment without an ongoing broadband service. Together, the wireless devices and the broadband internet service make up your wireless broadband network.

Wireless Broadband Mobile: Wireless internet connectivity in cell phones is growing in popularity as well. Cell phones, and other devices featuring windows mobile applications, are now all being designed with advanced wireless technology. This allows them the ability to connect to a wireless broadband internet service within a broadband network, or to the internet via their own cellular phone network.

For the purposes of this survey, we want to know about your access/availability to a wired or wireless <u>broadband internet service</u> as part of a broadband network <u>in your home</u>. If you are utilizing a cell phone or other mobile broadband device (hotspots, etc.), we <u>do NOT</u> consider that to be <u>subscribing</u> (paying for every month) to broadband internet services. This survey is for property you may own in MARATHON COUNTY, Wisconsin. If you received more than one survey invitation in the mail, it means you own more than one improved tax parcel in Marathon County. If this is the case, feel free to fill out the survey for each tax parcel (to the best of your abilities) as it pertains to broadband internet accessibility at that address location.

Q2 Please list your complete street address of your Marathon County, Wisconsin property (accuracy of this information is important).

_____

Q3 Please list the town, city or village where your Marathon County, Wisconsin property is located.

▼ Bergen (Town) (1) ... Other (62)

Q44 Please enter the town, city of village where your Marathon County, Wisconsin property is located.

_____

Q4 Please enter the zip code of where your Marathon County, Wisconsin property is located.

▼ Other (1) ... 54414 (77)

Q43 Please enter the zip code of where your Marathon County, Wisconsin property is located.

_____

ACCESS TO BROADBAND INTERNET SERVICE

Q6 Which of these best describes your access to broadband internet at your home?

○ I pay for a monthly subscription for internet services (this refers to a wired or fixed wireless solution). (1)

○ I have access to broadband internet service at my house but choose to not pay for a subscription. (2)

○ I do not have access to this type of service, but I do need internet access and I am able to have internet access as part of my cellular data plan using my phone or hotspot. (3)

○ I do not have access to broadband internet service at my house OR a reliable, affordable option for access. (4)

Q7 If **you do NOT subscribe** (pay for) or have **NO access** to broadband internet service, why not? (select all that apply)

☐ Service is not available where I live (1)

☐ Service is too slow (2)

☐ Concerned about online privacy (3)

☐ I have no need (4)

☐ Service is inconsistent or unreliable (5)

☐ I use the internet somewhere else (6)

☐ Service is too expensive (7)

☐ Not Applicable, I subscribe to broadband internet service (8)

☐ Other: (9) _____

Q8 If **you do NOT subscribe** (pay for) to broadband internet service, what would it take for you to subscribe to broadband internet service? (more affordable, faster speeds, etc.)

_____

_____

_____

Type and Cost of Broadband Internet Services

Q11 How do you access the internet at home? (choose all that apply)

☐ Cellular data plan using my phone or hotspot (Verizon, US Cellular, etc.) (1)

☐ Fiber-optic (Spectrum Enterprise, TDS, etc.) (2)

☐ Use my landline or digital subscriber line (DSL) (Frontier, etc.) (3)

☐ Use my cable service or cable modem (Charter, Spectrum, etc.) (4)

☐ Use an antenna/modem or fixed wireless (AirRunner, Net Pros, Country Wireless etc.) (5)

☐ Satellite (Hughes Net, Viasat, etc.) (6)

☐ Dial-up (7)

☐ Unsure (8)

☐ Other (9) _____

☐ Not Applicable. I do not access the internet from home. (10)

☐ Star Link (11)

Q12 Who is your current provider for how you receive broadband internet services (choose all that apply)?

☐ Spectrum/Charter (1)

☐ Frontier (2)

☐ AirRunner (3)

☐ Net Pros (4)

☐ Hughes Net (5)

☐ Viasat (6)

☐ Verizon (7)

☐ AT&T (8)

☐ US Cellular (9)

☐ TDS (10)

☐ Cellcom (11)

☐ Other (12) _____

☐ Not Applicable. I do not subscribe to a monthly broadband internet service (13)

☐ Star Link (14)

☐ King Street Wireless (16)

☐ Cirrinity (17)

Q13 Is your monthly broadband internet service billed as part of a bundle (TV, phone, internet, etc.)?

○ Yes (1)

○ No (2)

○ I do not know (3)

○ N/A (4)

Q14 What is your monthly cost **(not bundled cost)** for only your broadband internet service? If your monthly cost increases based on use, please estimate your AVERAGE monthly cost.

○ Less than $40 (1)

○ $40 - $60 (2)

○ $61 -$80 (3)

○ $81 - $100 (4)

○ Over $100 (5)

○ Not Applicable. I do not subscribe to a monthly broadband internet service. (8)

Q15 It is valuable to know the speed of your broadband services at your home or home-based business. If you are taking this survey on a computer at a location other than your home, not using your own broadband services, or completing this survey on your smartphone, please do NOT answer this question.
   What is the speed of your broadband connection?   If possible, we would like you to check your speed. Please go to your internet browser and type in www.speedtest.net. If you click on the hyperlink, please open the webpage in a new tab or previous survey answers will be lost. Then click on Begin Test. **Please note the download and upload speeds (the numbers will be followed by Mbps)**. Place the appropriate number in the corresponding boxes below.

○ Download Speed (1) _____

○ Upload Speed (2) _____

○ Server (found under the speed information) (3)

_____

Q16 If you currently subscribe to broadband internet services, how satisfied are you with the service?

○ Extremely Satisfied (1)

○ Moderately satisfied (2)

○ Slightly satisfied (3)

○ Neither satisfied nor dissatisfied (4)

○ Slightly dissatisfied (5)

○ Moderately dissatisfied (6)

○ Extremely dissatisfied (7)

○ Not Applicable. I do not subscribe to broadband internet service. (8)

Display This Question:

> *If If you currently subscribe to broadband internet services, how satisfied are you with the service? = Neither satisfied nor dissatisfied*
>
> *Or If you currently subscribe to broadband internet services, how satisfied are you with the service? = Slightly dissatisfied*
>
> *Or If you currently subscribe to broadband internet services, how satisfied are you with the service? = Moderately dissatisfied*
>
> *Or If you currently subscribe to broadband internet services, how satisfied are you with the service? = Extremely dissatisfied*

Q17 If you **are NOT satisfied (dissatisfied)** with your broadband internet services, why? (select all that apply)

☐ Service is too expensive (1)

☐ Service is inconsistent (2)

☐ Service is too slow (3)

☐ Other: (4) _____

☐ Not applicable. I do not subscribe to broadband internet service. (5)

Use of Broadband Internet Services

Q20 Including yourself, **how many** people in your home use (or would use if service were available) your home broadband internet services daily?

○ Children up to age 12 (1) _____

○ Teens - Ages 13 to 18 (2) _____

○ Adults - Ages 19 to 25 (3) _____

○ Adults - Ages 26 to 45 (4) _____

○ Adults - Ages 46 to 65 (5) _____

○ Adults over 65 (6) _____

Q22 Please indicate how frequently you use (or would use if service were available) your home broadband internet services to engage in each of the following uses:

	Never (1)	Sometimes (2)	Frequently (3)
Job search, apply for, or advertise a job (1)	○	○	○
Access resources for the management of my farm / business (2)	○	○	○
Pay bills (3)	○	○	○
Shop (Amazon, ebay, etc.) (4)	○	○	○
Looking for OR selling a home (5)	○	○	○
Access medical information / services (6)	○	○	○
Telecommuting (work from home for your employer) (7)	○	○	○
Home-based business (8)	○	○	○
Gaming / video games / streaming movies and TV (9)	○	○	○
School / Education / Homework / Coursework (10)	○	○	○
Stay connected to family and/or friends (11)	○	○	○
Other (12)	○	○	○

Q23 Please identify the digital devices that you currently OR would like to access the internet with from your home broadband internet network or would access if service were available? (check all that apply)

- Streaming device (Roku, Apple TV, Amazon Fire TV, etc.) (1)

- Desktop or laptop computer (3)

- Tablet / E-reader (Kindle, iPad, etc.) (4)

- Smart TV (5)

- Smartphone (6)

- Gaming System (Xbox, Play Station, Nintendo, etc.) (7)

- Household Security Devices (Nest, Ring, etc.) (8)

- Other (9) _____

Value of Broadband Internet Service

Q25 How important is high-speed broadband internet service to your home?

- ○ Extremely important (1)

- ○ Very important (2)

- ○ Moderately important (3)

- ○ Slightly important (4)

- ○ Not at all important (5)

Q26 How much per month <u>would you be willing to pay</u> for <u>more than adequate</u> broadband internet service? As a point of reference, the Federal minimum speed standards for adequate broadband internet services is 25 Mbps download and 3 Mbps upload. **What would you pay for service better than the minimum speeds mentioned?**

○ $40 - $60 (1)

○ $61 - $80 (2)

○ $81 - $100 (3)

○ $101 - $125 (4)

○ Over $125 (5)

○ I would not be willing to pay extra for increased broadband speed. (6)

Q27 Is there a minimum download/upload speed that you need to complete all your internet related tasks? Is there a download/upload speed that ideally you would want? (check all that apply)

 NOTE: For any live TV streaming services like YouTube TV, Sling TV, Hulu, etc., a minimum of 10-25 Mbps download would be needed depending on how many devices are accessing high-definition content. If you were using multiple devices, 25-50 Mbps downloads or more would be potentially necessary. For streaming video services from Amazon Prime Video, Netflix, Disney +, etc., similar speeds would be necessary, and more if you want multiple devices using this same network for those services or others. It is important as well to consider the number of people in your household and all the devices which may be used in the house simultaneously.

	Need (1)	Want (2)
15 Mbps download / 3 Mbps upload (1)	☐	☐
25 Mbps download / 5 Mbps upload (2)	☐	☐
50 Mbps download / 10 Mbps upload (3)	☐	☐
75 Mbps download / 15 Mbps upload (4)	☐	☐
100 Mbps (symmetrical download/upload) (5)	☐	☐

250 Mbps (symmetrical download/upload) (6)	☐	☐
500 Mbps (symmetrical download/upload) (7)	☐	☐
>1,000 Mbps (symmetrical download/upload) (8)	☐	☐

Q28 Would you be willing to pay an installation fee (one-time) to have high-speed broadband internet services at speeds?   A **one-time installation fee**, for example, could pay for the cost to run a fiber optic line (high speed data transmission line) to your home from the street. Or, it could pay to install a utility pole with broadband internet equipment which would provide wireless high-speed broadband internet services to your rural location.

○ Yes (1)

○ Maybe - depends on cost, etc. (2)

○ No (3)

Q29 How much would you be willing to pay for a one-time installation fee to have high-speed broadband internet services to your home?

○ Up to $100 (1)

○ $101 - $250 (2)

○ $251 - $500 (3)

○ $501 - $750 (4)

○ $751 - $1,000 (5)

○ More than $1,000 (6)

○ I would not be willing to pay a one-time installation fee (7)

Q30 **Business and Telecommuting Use of Broadband Internet Services**

Q31 Please indicate if someone in your household telecommutes or has a home-based business:

	Yes (1)	No (2)
Current Home Based Business (1)	○	○
Future Home Based Business (2)	○	○
Currently Telecommuting (3)	○	○
Future Telecommuting (4)	○	○

Q32 Would you be likely to start, move, or grow a business (including a home-based business) in Marathon County if you had access to adequate, reliable and affordable broadband internet services?

○ Very Unlikely (1)

○ Unlikely (2)

○ Not Sure N/A (3)

○ Likely (4)

○ Very Likely (5)

Q33 If you are involved in Agriculture, how valuable is having broadband internet services for your agriculture business?

○ Extremely Valuable (1)

○ Very Valuable (2)

○ Moderately Valuable (3)

○ Not at all Valuable (4)

○ N/A Not Involved in Agriculture (5)

Q34 <u>If you are involved with Agriculture,</u> please **check all the boxes below** that best describe how you use broadband internet services:

☐ Local Markets (1)

☐ Global Markets (2)

☐ Buying Products (3)

☐ Information (4)

☐ Agriculture New & Events (5)

☐ New Agriculture Technology (6)

☐ GPS and Precision Ag (7)

☐ Other (8) _____

☐ Not Involved in Agriculture (9)

Q35 How likely would you be to telecommute from your Marathon County address (if supported by your employer) if you had access to adequate, reliable, and affordable broadband internet services?

○ Very Unlikely (1)

○ Unlikely (2)

○ Not Sure N/A (3)

○ Likely (4)

○ Very Likely (5)

Q36 If you <u>do not</u> use broadband internet services for your home/farm/business operation, why not? (check all that apply)

☐ Do not see any use for it (1)

☐ Service not available (2)

☐ Not a business owner (3)

☐ I do not need it for my business (4)

☐ Too expensive (5)

☐ No computer (6)

☐ Other: (7) _____

Additional Information As we look to find unique solutions to our broadband challenges in the rural landscape, we need your assistance. Please provide the following information so that we can develop an accurate summary of Marathon County's broadband environment.

Q40 Please rate the quality of other telecommunications infrastructure in your area.

	Poor (1)	Satisfactory (2)	Good (3)	Do Not Know (4)
Cellular Phone Service (1)	○	○	○	○
Landline Phone Service (2)	○	○	○	○

Q41 How confident do you feel you could easily connect to and communicate with emergency service (911) from your property?

○ Extremely confident (29)

○ Somewhat confident (30)

○ Neither confident nor unconfident (31)

○ Somewhat unconfident (32)

○ Extremely unconfident (33)

Q42 Do you believe that lack of telecommunication infrastructure (landline phone, cellular phone service, broadband access) poses a safety concern for your household or business?

○ Definitely yes (9)

○ Probably yes (10)

○ Might or might not (11)

○ Probably not (12)

○ Definitely not (13)

Q39 Any additional comments?

_____

_____

_____

_____

_____

KEWAUNEE COUNTY

Broadband Study Committee

c/o County Administrator's Office
810 Lincoln Street
Kewaunee, W 54216

Kewaunee County Broadband Committee
Request for Proposal

Kewaunee County is requesting proposals for High Speed Internet. The scope and details are noted below. The Kewaunee County Broadband Committee has set aside four, one hour closed door presentation sessions. Each closed door proposal presentation will be allowed one hour. Proposals will be selected on a first come, first to present order (assuming the proposal has all key information). If all available slots are used, or the vendor cannot present on Oct 25th, Kewaunee County may elect to have additional dates.

Location of presentation: **810 Lincoln St, Kewaunee, WI 54216**
Date/Time: **Oct 25th from 1pm to 4pm**

Submit Proposals by Oct 22nd to (or contact with questions):
    Name: Scott Feldt
    Email: feldt.scott@kewauneeco.org
    Phone: 920-388-7164

Proposal Scope:

Provide broadband (high speed internet) of at least **25 down** and **10 up** for all rural residents within Kewaunee County), preferably higher than 100mbps down and 25mbps up. Fiber, wireless or a combination are acceptable. All technologies are under consideration including but not limited to: fiber (FTTH), fixed wireless, wifi or wifi mesh, WhiteSpace, point to point, 4G and 5G.

If the Kewaunee board moves forward, a vendor (or vendors) will be selected. The selected vendor will participate in the preparation of grants requests for WI state broadband and related federal grants including rural broadband, e-Rate and rural economic development.

Each vendor proposal must include the following information:
1. Speed up, speed down (if there are multiple speeds, note them)
2. Backhaul bandwidth per 100 users.
    a. Identify number of internet sources
    b. Oversubscription rate: such as (20 to 1) or (50 to 1)
    Cost per month per service offering
    Life expectancy of major components
    Overall Cost, financing and/or up front funding if needed (Kewaunee may provide a combination of: loans, cash, and/or grants to facilitate the offering of the services to underserved areas of the County.)
    Rough coverage map within the county
    Examples of other successes - preferably government and/or regional contacts.
    Summary of how we (vendor and Broadband committee) can
        a. educate the community on the services and value it provides.
        b. Communicate to the community and to the County Board