June 2022 Kewaunee County

Bug Tussel & Kewaunee County Partnership

THE PARTNERSHIP

Bug Tussel Wireless is proud to be partnered with Kewaunee County through a grant that was issued in the winter of 2021. The project will primarily take place during the fiscal year 2022, with Bug Tussel's goal to have towers completed and online by January of 2023 and fiber connections to follow.

THE PROJECT

The project, **ROAD to Digital Equality: Kewaunee County** is designed to equip Kewaunee County with a fiberoptic backbone network and wireless internet access through rural areas in the county. Bug Tussel will install 7 towers and 61.7 miles of fiber within 1-3 years, with options for expansion available as agreed upon by Bug Tussel and the county.

BUG TUSSEL UNIVERSITY

Email: bugtusseluniversity@bugtusselwireless.com
Phone: (920) 940-0158

LEARN MORE!
Visit https://www.bugtusselwireless.com/bug-tussel-university-3/ or scan the QR code with your smartphone camera.

Bug Tussel University (BTU) is Bug Tussel's educational branch focused on providing rural education for everyday use. We offer free in-person, hands-on classes on computers, technology, internet, and more. We teach classes throughout rural Wisconsin at local libraries, schools, and community centers.

BTU has been offering basic technology classes at the Kewaunee Public Library located at 822 Juneau St, Kewaunee, WI 54216. Classes included Internet Basics and Email Basics. One participant was grateful all her questions were answered regarding her Gmail account her grandchildren had help set up for her.

SALES & MARKETING

The sales team has been targeting customers along the fiber route, offering pre-sales for fiber. Along with AT&T and Bug Tussel sales, we made 137 pre-sales for fiber internet.

Bug Tussel currently has 391 total subscriptions, with several recent activations.

The Bug Tussel marketing team published county-wide Facebook ads advertising fiber and sent 2,016 mailers including a brochure, fiber fact sheet, and pre-registration interest form to addresses along the fiber route. Bug Tussel also reached 107,236 people with a billboard "Fiber coming soon" campaign.

GET IN TOUCH

Customer Service
Phone: (877) 227-0924
Email: customerservice@bugtusselwireless.com
Website: bugtusselwireless.com

Your sales representatives

Scott Nasgovitz
Business Development Manager
Phone:
(920) 530-1311
Email:
Scott.Nasgovitz@bugtusselwireless.com

Kristin Lambrecht
Regional Business Development Manager
Phone:
(920) 501-8515
Email:
Kristin.Lambrecht@bugtusselwireless.com

Report prepared by Melody Schuetz, Director of Community Engagement
Email: melody.schuetz@bugtusselwireless.com
Phone: (920) 940-0158

TOWERS

On Air: 8

- Tower construction and installation complete
- Internet is live and operational

Under Construction: 1

- Establish tower foundation
- Construct tower by stacking from bottom to top
- Install antenna, lines, and integrate network

Regulatory/Zoning: 0

- Submit permits and receive approval from the FCC and FAA
- Submit permits and receive approval from local government (county, city, village, etc.)
- Plan to add AT&T equipment to tower

Site Acquisition: 1

- Search for and determine tower site
- Obtain lease from landowner

SITE UNDER CONSTRUCTION

Our **Norman** tower is currently under construction in Kewaunee County.

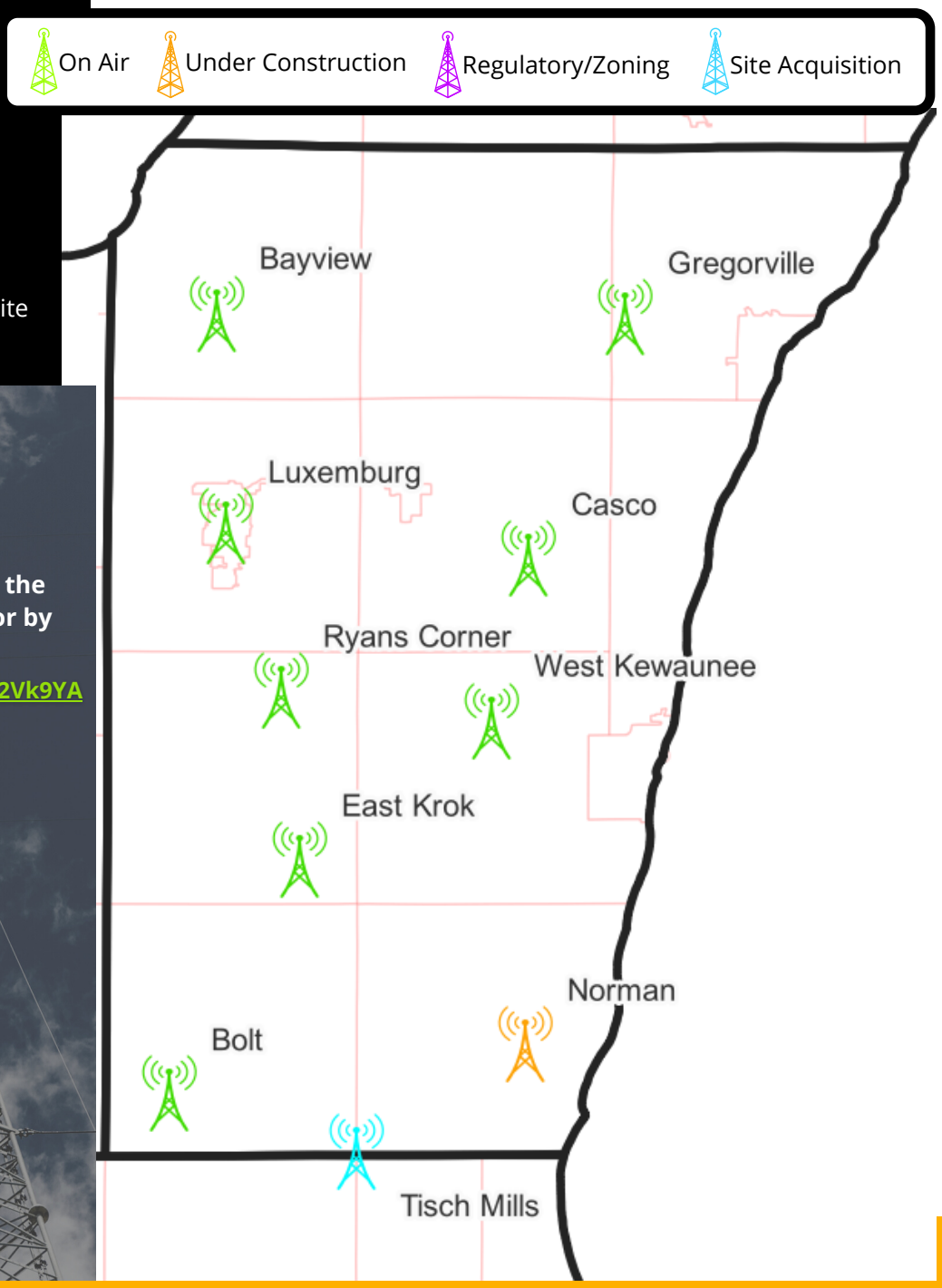
Construction crews from **Red Tail Tower**, Bug Tussel's sister company, have completed the "stacking" phase of construction in which sections of the tower are lifted by crane and secured piece-by-piece from bottom to top to construction the tower.

Crews are now working on installing equipment to integrate the tower with the internet network. Norman tower will likely be ready to go on air in **late July**.

YOUR TOWER CONSTRUCTION!

Watch the construction of Kewaunee's Gregorville tower in Algoma by scanning the QR code with your smartphone camera or by visiting our YouTube page at:

https://www.youtube.com/watch?v=JUEYx2Vk9YA



**This map includes a rough estimate of site locations and may not accurately reflect actual tower placement.*

FIBER NETWORK IS IN PROGRESS!

Design Complete
Engineering and design, which include mapping the route and determining in-the-field routing and equipment decisions, were completed on June 1st.

Permits In-Progress!
Permits have been approved for the north end of the route. We are in the process of obtaining permits for the remainder of the route.

FIBER

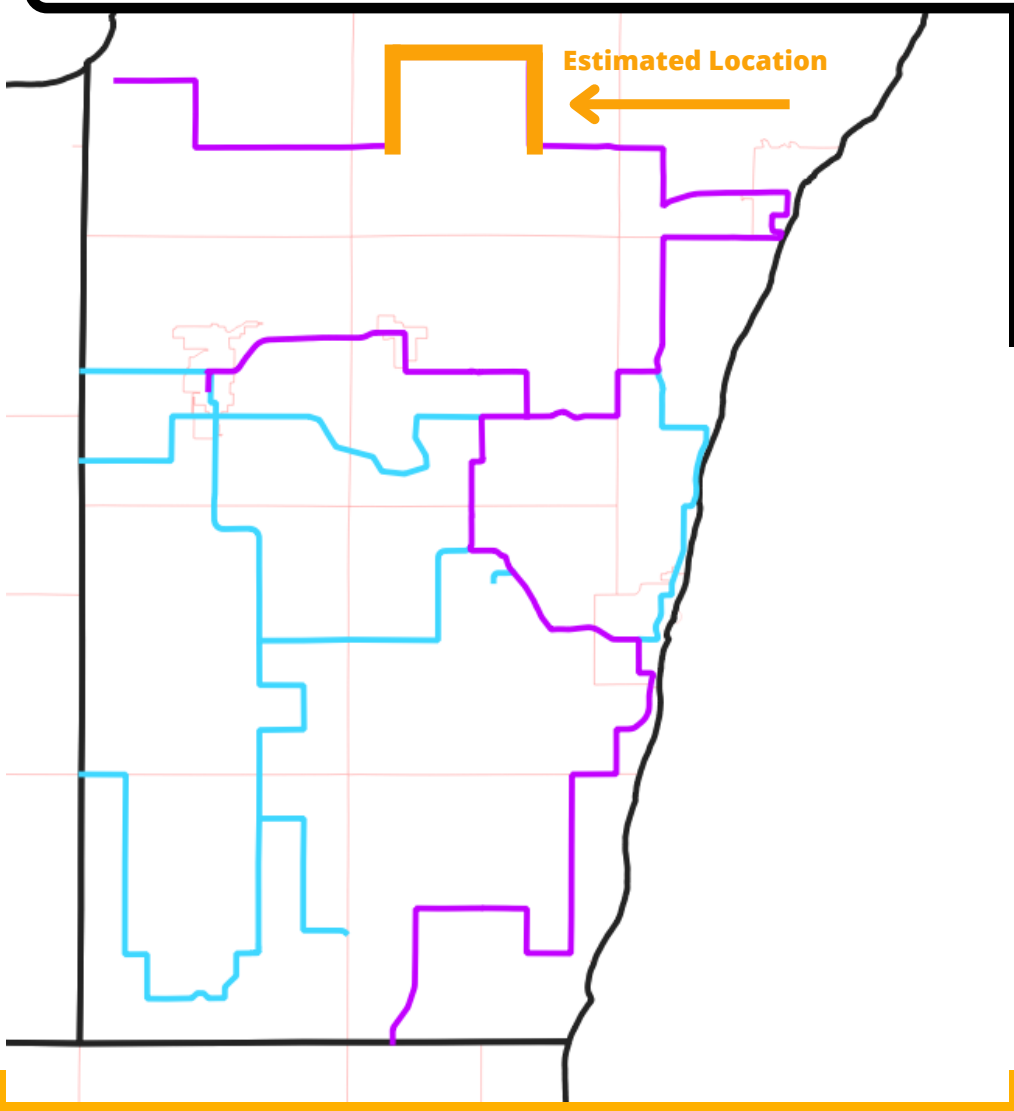
On Air: 0 miles
- Fiber installation is complete
- Internet is live and operational

Under Construction: estimated 22 miles
- Drill or plow conduit (protection tubing) in the ground
- Install access hatches
- Send fiber through conduit via "blowing", a technique that uses an air blowing machine to send fiber through conduit on wheels, reducing risk of friction and damage

Regulatory/Zoning: estimated 46.7 miles
- Submit permits and receive approval

Engineering/Design: estimated 62 miles
- Map fiber route
- Determine equipment needed for each section of the route
- Determine in-the-field routing decisions based on landscape

On Air | Under Construction | Regulatory/Zoning | Engineering/Design



Route is Under Construction
Bug Tussel crews began construction on the north end of the route in May.

Conduit is normally installed with two pieces of equipment used alternately depending on the terrain: a drill and a plow. Crews have been faced with the challenge of working only with a drill at this time due to a delay in the arrival of a plow ordered from a supplier. As a result, conduit installation is taking longer than usual.

**This map includes a rough estimate of the fiber network and may not accurately reflect final route.*