



Northeast Minnesota Regional Broadband Summit

Wednesday, September 22, 2021

9:00AM - 11:00AM



Zooming in

Agreements for an Effective Meeting Space



- Remain **on-camera** at all times (except breaks).



- Remain **available-to-be-on-mic**. You can mute while others are speaking/presenting, but be ready to participate.



- Avoid distractions: turn other devices to **airplane mode** and minimize open windows on your computer.



- Feel free to **raise your hand** - on camera or using [nonverbal tools](#) in Zoom.



- Use the phrase "**I'm complete...**" to indicate when you are done speaking.



- Be mindful of your "**airtime**." We will occasionally call on people to ensure your voice is heard or create breathing room in the discussion. Consider this an invitation, not an obligation!

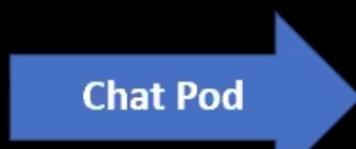


- Grab a **squeeze ball or fidget toy** to keep your hands occupied and avoid the urge to Always Be Clicking!



- Have grace with yourself and others. We're all figuring this out together!
How do you want to show up today? What's one intention you'd like to set for yourself?

As you enter into the virtual space, first, welcome!
Second, please open the chat pod and type in your name. We'll start the meeting with an introduction to some of the features in Zoom.



Participants (7)

- JK Jeremy Kautza (Co-host, me)
- AA Angie Asa-Lovstad (Host)
- IF Irina Fursman (Co-host)
- F Flower

yes no go slower go faster more

Mute All Unmute All

Zoom Group Chat

I'm also logged on through my phone too experience what it looks like

From Angie Asa-Lovstad to Everyone: Let's populate the login question here and he screen shot it

From Irina Fursman to Everyone: SURE!
TYPE YOUR NAME HERE

To: Everyone

Type message here...



Agenda

Part 1: Welcome & Introductions

Part 2: Office of Broadband Development Update

Part 3: Intelligent Community Framework and
Community Projects

Part 4: Successful Infrastructure Projects

Part 5: Arrowhead Intelligent Region Grantees

Part 6: Wrap-Up & Adjourn

Welcome!

Duluth Mayor
Emily Larson

IRRR Commissioner
Mark Phillips



Introductions

Introductions in breakout rooms...

What is your name?



Background/Organizations?



Interest in attending today?



Broadband Development Update

**Diane Wells, Office of
Broadband
Development**

**Minnesota Department
of Employment and
Economic Development**

Intelligent
Community
Forum

Bernadine Joselyn,
Director of Public
Policy and Engagement

Blandin Foundation

ECONOMIC GROWTH



SOCIAL AND CULTURAL GROWTH

Community Projects

Anthony Landgren,
Associate Planner

Arrowhead Regional
Development
Commission (ARDC)

Community Projects



Vicki Hagberg, Business Consultant, Northland SBDC



Betsy Olivanti, Business Consultant, Northland SBDC



Shawn Herhusky, Workforce Strategy Consultant,
Minnesota DEED CareerForce



Jim Yount, Co-Owner, Small Town Tech; Koochiching
County CoWorking Space



Jackie Prescott, Executive Director, Hibbing HRA



Sue Sowers, Library Director, Hoyt Lakes Library

Northland Small Business Development Center Technology Assessment Program



- **ICF Methods: Innovate; Include; Work**
- **Partnership between Blandin, D.IRRR, Northland SBDC through AIR**
- **Concept: reduce barriers for businesses to adopt technology**
 - **Assess/Recommend**
 - **Implement**
 - **Reimburse**
- **Smaller Scale: Laurentian Chamber/Blandin Broadband Communities**
- **Scaling Up: 2021-2022 Northland SBDC Project**
 - **Launching Late Fall 2021 - 7 Counties of NE MN**
 - **\$1,000 Grant w/ \$500 business match**



Housing & Redevelopment
Authority of Hibbing

BRIDGING THE GAP TO INTERNET ACCESS

Providing Quality affordable internet to low-income residents & Downtown WIFI Mesh network PILOT PROGRAM

PARTNERS



Blandin Foundation™
STRENGTHENING RURAL MINNESOTA



DEPARTMENT OF IRON RANGE
RESOURCES & REHABILITATION



Paul Bunyan
COMMUNICATIONS

PROJECT RESULTS



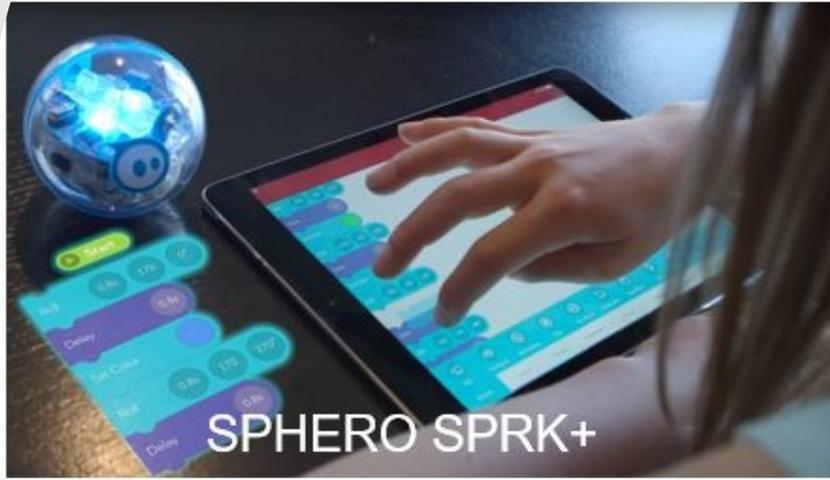
Affordable quality internet up to 10 Mbps to 60 low-income residents

Provide up to 1 Mbps for free to anyone in this downtown service area and provide additional Mbps for additional cost through Vapor Wi-Fi

Set infrastructure for the HRA to install better quality security cameras



CODE AND GO MOUSE



SPHERO SPRK+



SPECDRUMS

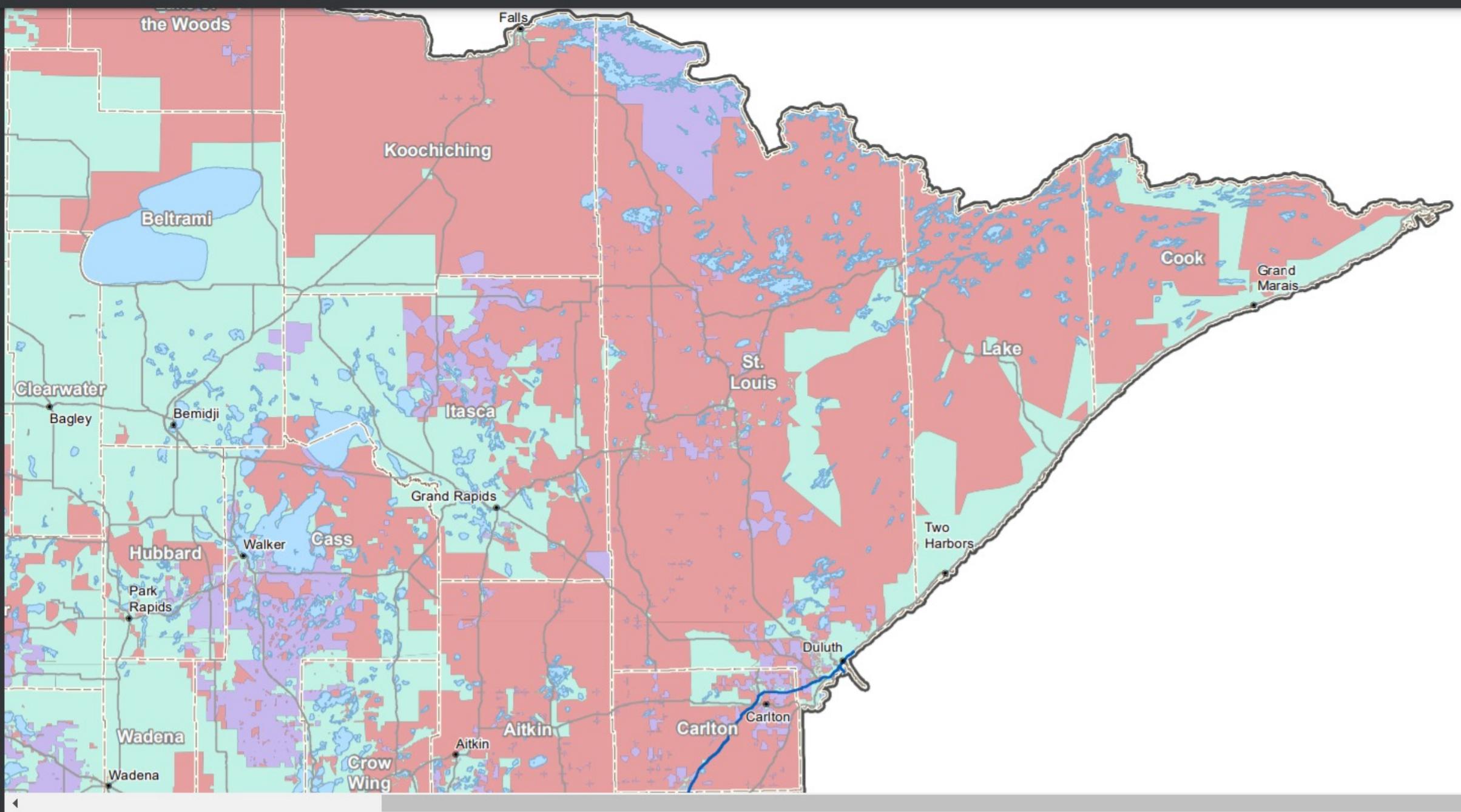


LEGO BOOST

Successful Infrastructure Projects

Whitney Ridlon,
Community Development
Representative

Department of Iron
Range Resources &
Rehabilitation



Roundtable on Successful Regional Grant Projects

Bill

Bill Schuster, Township Supervisor, Town of French, Community of Side Lake

Kip

Kip Borbiconi, Resident Broadband Liaison, Cherry Township

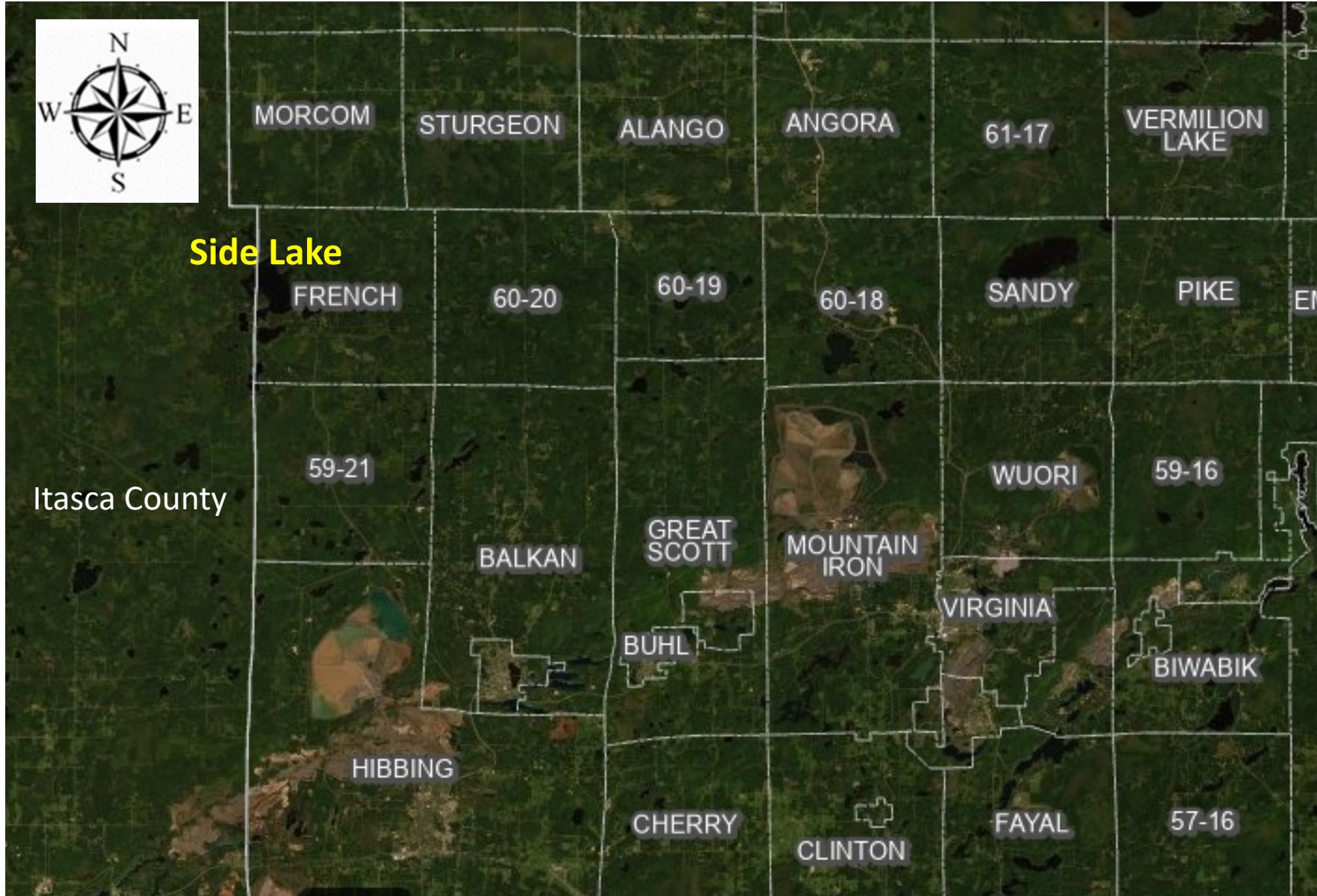
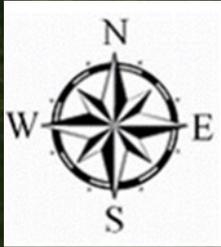
Nick

Nick Wognum, Clerk, Town of Morse

Town of French Community of Side Lake

Bill Schuster

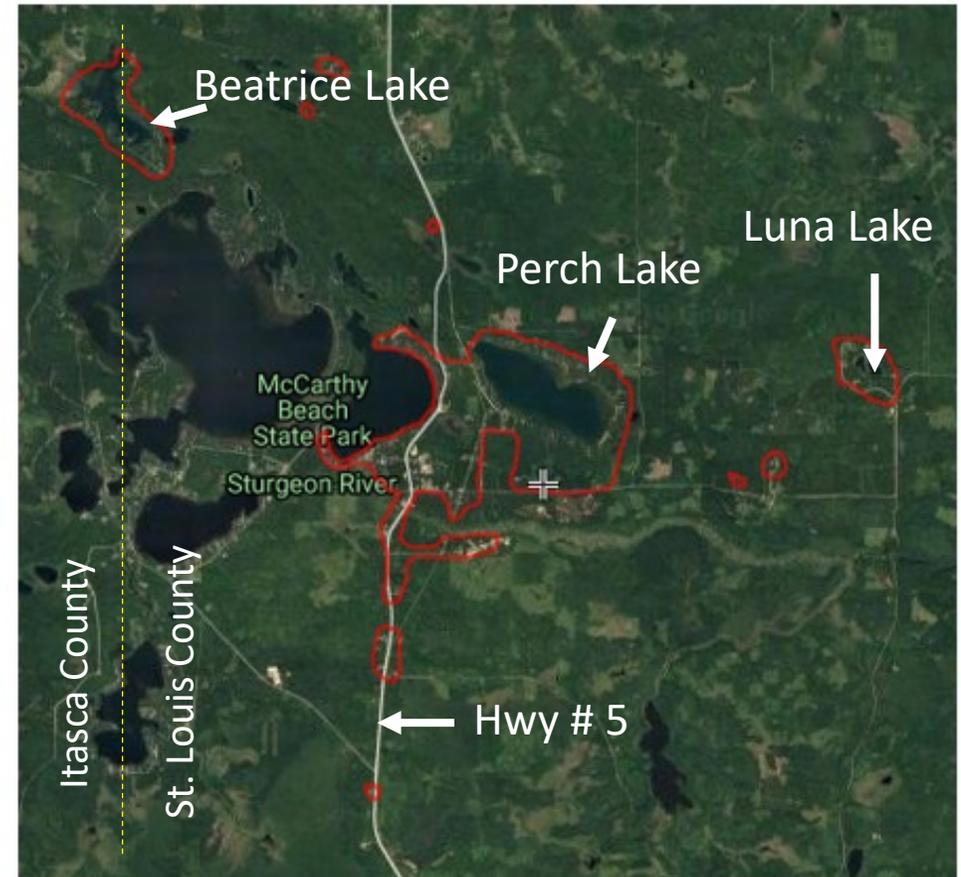
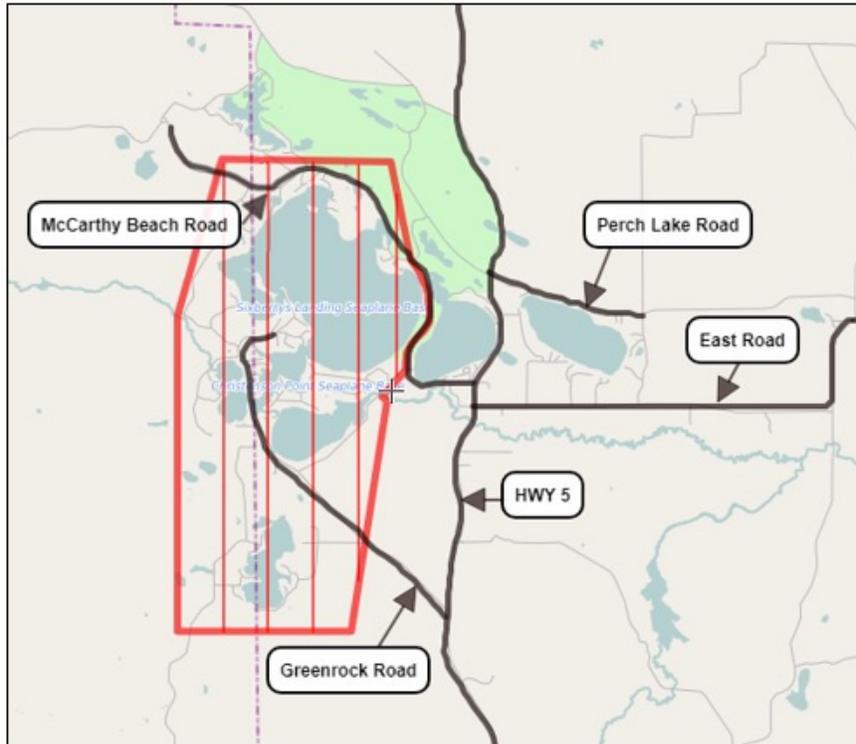
2021



Side Lake

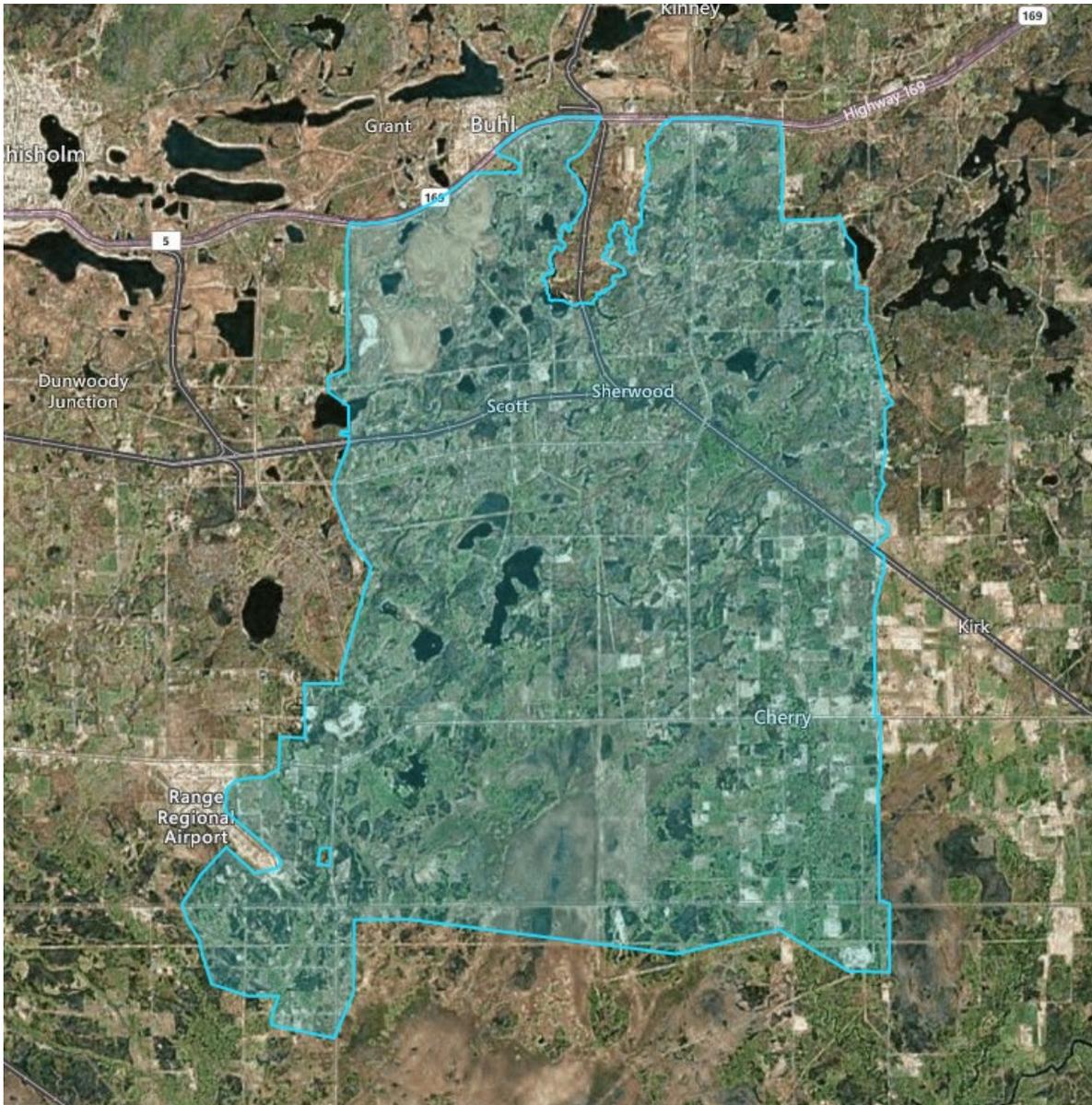
Itasca County

Community of Side Lake



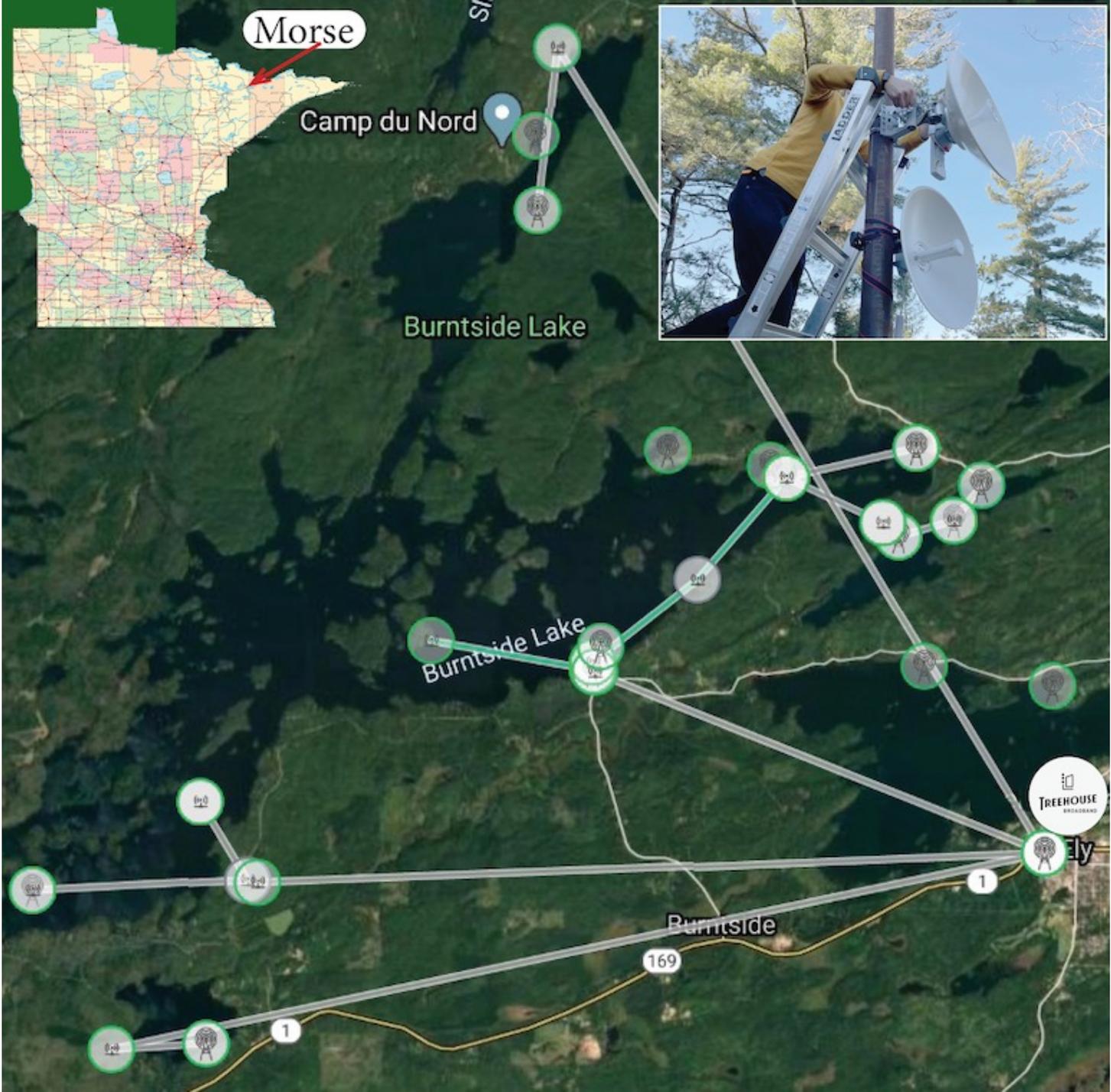
PAUL BUNYAN COMMUNICATIONS HAS OBTAINED A GRANT TO HELP BRING FIBER OPTIC BROADBAND SERVICE TO YOUR HOME IF YOU LIVE IN THE AREA DESIGNATED ON THE MAP

Year-Round Homesites and Seasonal Cabins not included in the 2019 Paul Bunyan Communications Grant



Town of Morse Fixed Wireless Project
Working with Treehouse Broadband
Funding partner: IRRRB

350 homes to receive access to 100Mbps download and 20Mbps upload speed



Successful Infrastructure Projects

Randy Long, IT Director, Boise Forte Tribal Government

Steve Howard, IT & Development Manager, Paul Bunyan Communications

Kelly Burns, Marketing Supervisor, CTC Communications

Jason Holliday, Fond du Lac Planning Director, Aaniin

Adam Fulton, Deputy Director, Planning & Economic Development, City of Duluth &
Emily Nygren, Economic Developer, City of Duluth



Paul Bunyan
COMMUNICATIONS®

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GIGAZONE®

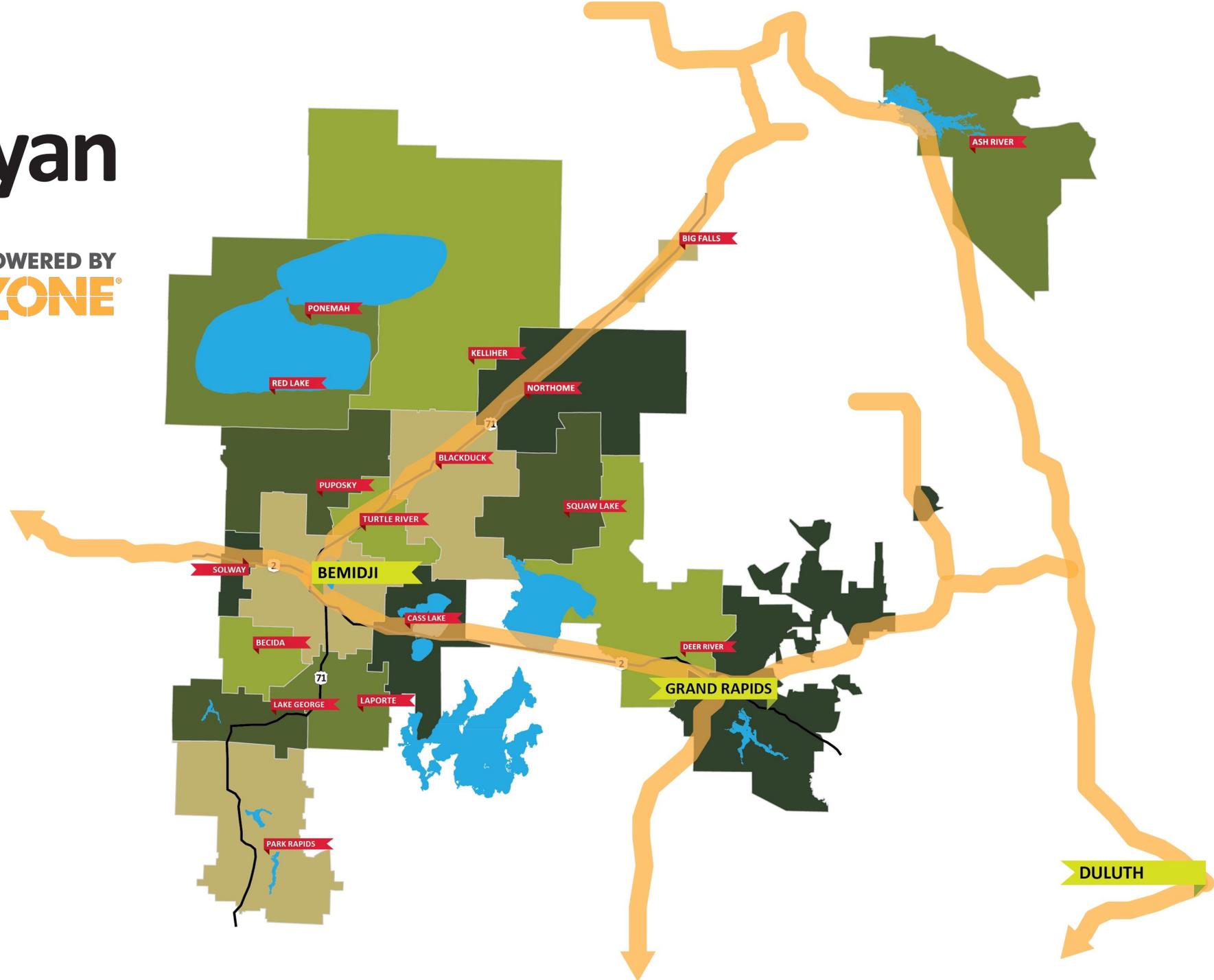
- **Established in 1952**
- **Over 6,000 square mile service area**
- **Serving over 30,000 data customers**
- **Offering Internet speeds up to 10 Gig**



Paul Bunyan

COMMUNICATIONS®

POWERED BY
GIGAZONE®





 **CTC**

RECENT & FUTURE PROJECTS

Kelly Burns, Marketing Supervisor/CTC

Overview

- Connecting the Community
- Cherry Township
- Ely
- Future



Cherry Township

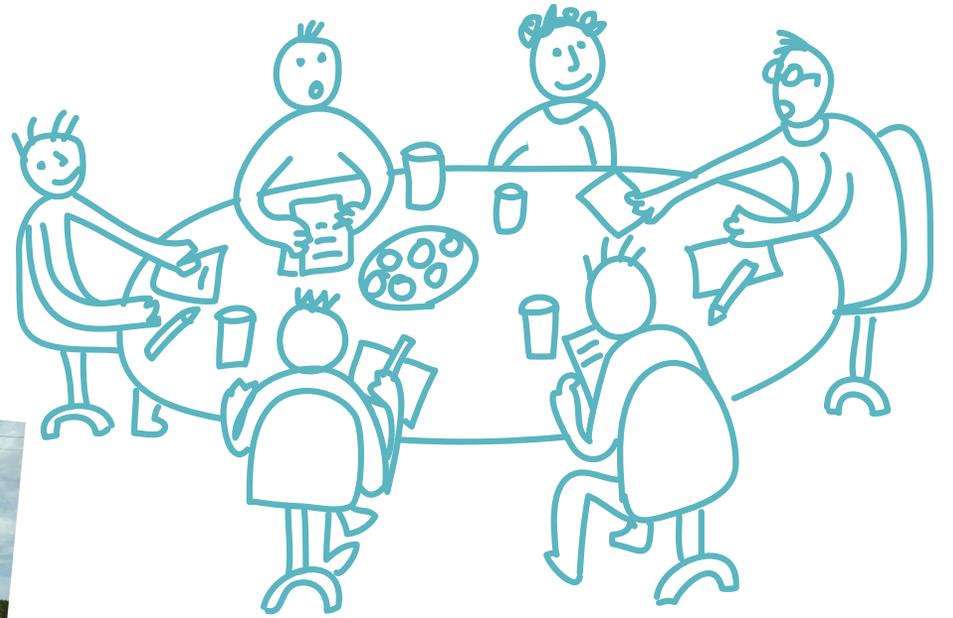


Ely

CANOE BELIEVE IT?
Fiber internet is here!



Future



Thank You!





Broadband Development Fiber to Home

Fond du Lac Band of Lake Superior Chippewa



Strategy

2012-2016

Having a Seat at the Table and Community Engagement

- ▶ MIS/IT Staff Active in State and Regional Broadband Groups
 - ▶ Governor's Task Force
- ▶ Tribal Leadership meeting with USDA
- ▶ Blandin Broadband Community
 - ▶ Computer classes
 - ▶ Increased Wireless/Wifi access @ Community Centers and K-12 School
 - ▶ “App” Development Camp with Youth



Partners

NESC

- ▶ Middle Mile (2009)
 - ▶ Connected 3 Community Centers and Several FDL Government Buildings
- ▶ 2010 Broadband Initiative Program - Technical Assistant Grant
- ▶ 2015 USDA Community Connect Application Development



Partners

Blandin Foundation

- ▶ 2012-2016
 - ▶ MN Intelligent Rural Community Program



Blandin Broadband Community

- ▶ Distribute PC's for People
- ▶ Free Computer Classes (Basic - Advanced)
- ▶ iPads in the Classroom
- ▶ "App" Development Camp for Kids
- ▶ Hot Spots
- ▶ Community Outreach Meetings

First Success

2016



- ▶ Fine tuning grants that were submitted in 2015
- ▶ Resubmission
- ▶ Approved!!!

- ▶ Woah... Now what?

Total Grants (5)

2016

- ▶ Initial two USDA Community Connect Grants moved into FDL's name

2018

- ▶ HUD - ICDBG Grant Secured and DEED Border to Border Grant Funded

2017

- ▶ Band applied for a 3rd USDA Community Connect Grant

\$8,967,211 in Grant Funding
\$3,458,527 in Cash Match
(FDL Development)

Current Status and the Future



- ▶ Over 1,000 Homes ready for Road to Home Connection
- ▶ Over 600 Homes are signed up Service Subscription
- ▶ Website up and running www.aaniin.net
- ▶ Looking to other broadband developments such a co-working space, data center.
- ▶ Potential to look to partner off Reservation with local communities

Arrowhead
Intelligent
Region (AIR)
Grantees

Bernadine Joselyn,
Director of Public
Policy and Engagement

Blandin Foundation

AIR Grantee Spotlights

Iron Range Tourism Bureau (IRTB): Casual co-working and welcoming communities, Shawn Herhusky

Innovate 218: IEDC led LaunchMN initiative, Kirstie McPherson

MN Children's Press: Mapping Litter and Publishing, Anne Braataas

NE MN Welcoming Community programming: Northspan, Amber Lewis

100 Rural Women: Coop Publishing Model, Teresa Kittridge

Choose where
you'd like to
learn more!

1. Iron Range Tourism Bureau

2. Innovate 218

3. MN Children's Press

4. NE MN Welcoming Community

5. 100 Rural Women

Wrap-Up &
Adjourn

Ida Rukavina,
Executive Director

Range Association of
Municipalities &
Schools (RAMS)



BUILDING ON BROADBAND

Inspiring Progress.

Annual Broadband Conference

October 12 - 14, 2021

Time: 9:00 am - 12:00 pm

Location: Online - Zoom



Thank you for your participation!



Enjoy your day!