


SPECIAL MEETING OF ELECTORS
AD HOC TECHNOLOGY COMMITTEE
INTERNET REVIEW & PROPOSAL

10/18/2022





JACKSONPORT AD HOC TECHNOLOGY
COMMITTEE



Rob Edmundson, Chair

Lynn Wilson, Secretary

David Crawford

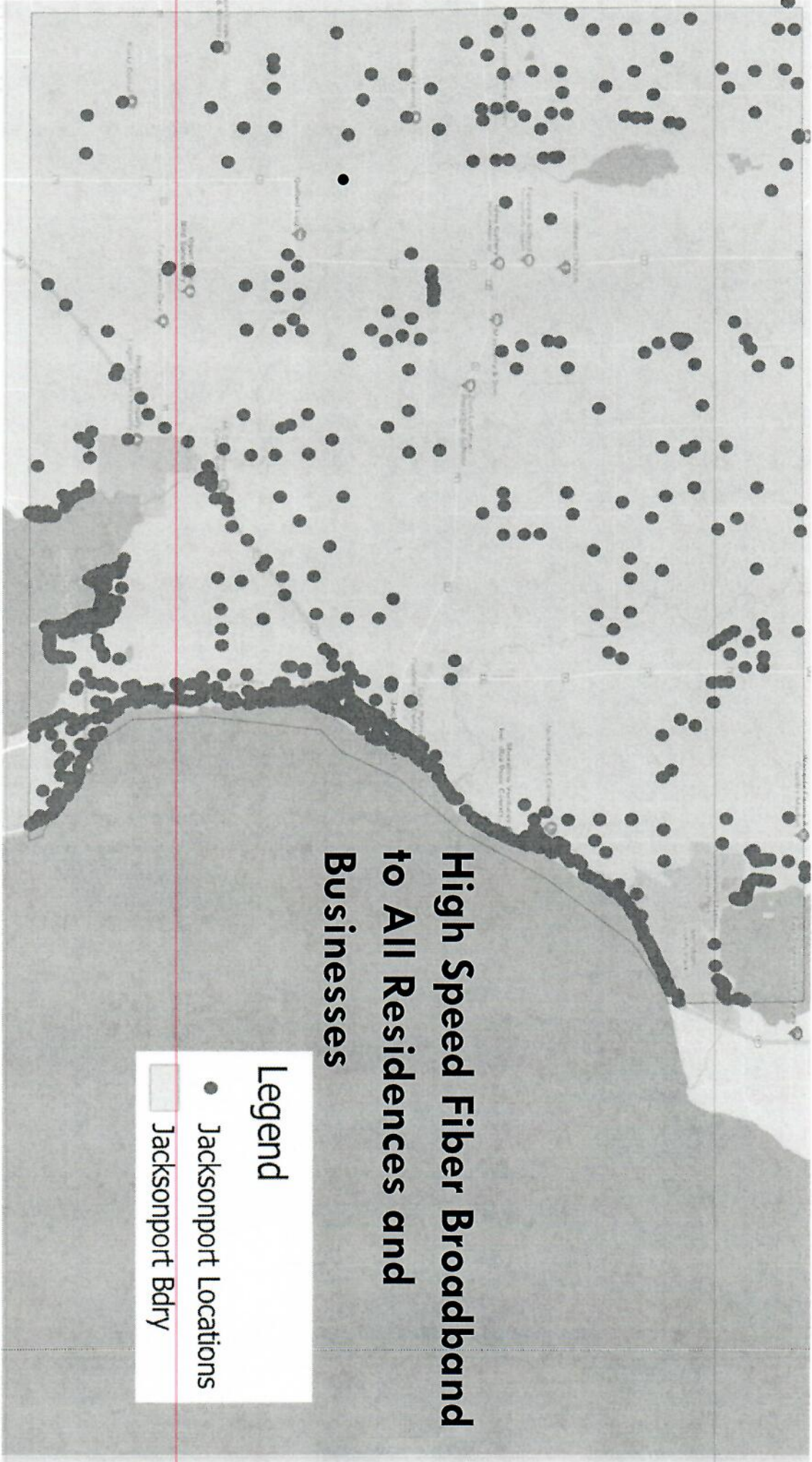
Tom Hollingshead

Bob Kufrin

Joe McMahon



High Speed Fiber Broadband to All Residences and Businesses



Legend

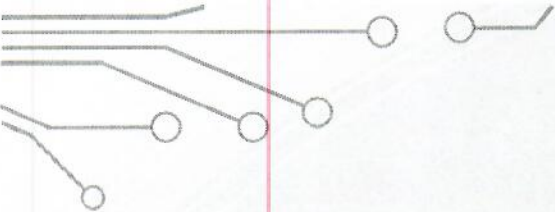
- Jacksonport Locations
- Jacksonport Bdry



TECHNOLOGY COMMITTEE PROCESS



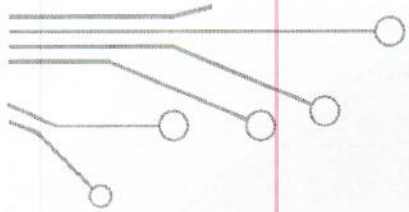

- ✓ Create Jacksonport Broadband Requirements
- ✓ Evaluate ISPs – Nsight, DCB/Bertram, Frontier, Charter/Spectrum
- ✓ Frontier Communications was recommended and approved by Board
 - Obtain Community Support and Funding Commitment
 - Develop Contract
 - Pursue Grants to help fund
 - Implement solution
- On-going collaboration with County and other towns





TOWN SURVEY SUMMARY – 200 RESPONSES



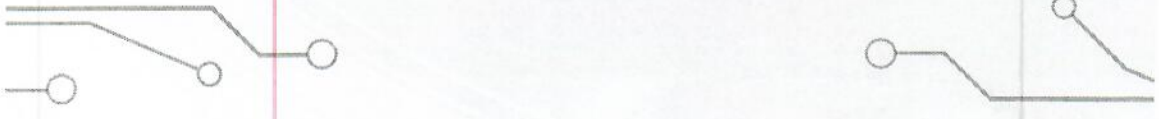
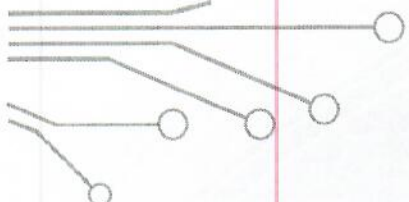
- Internet is a necessary utility
 - Dissatisfied with internet speed, reliability, and current providers
 - Working from home difficult & remote education frustrating
 - Virtual meetings, doctor visits, and medical reporting challenging
 - Would like to stream movies & TV, do more research, and would spend more time in Jacksonport if we had better internet services
 - Business transactions slow, staff and customers frustrated
 - 96% in favor of implementing high speed broadband
- 
- 



HOW IS YOUR SERVICE?

According to Survey Results:

Current Internet service averages about 14 Mbps Download and 6 Mbps Upload for \$100 per month





PROPOSED NEW FRONTIER SERVICE




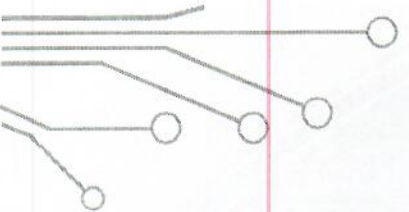
Residences:

500 Mbps Download / 500 Mbps Upload for
\$60 per Month (\$50 first year)

(Free Installation and No Equipment Rental or Purchases)

Businesses:

300 Mbps Download / 300 Mbps Upload for
\$56 per Month

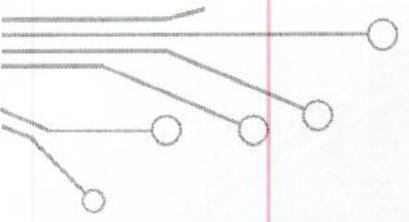




HIGH SPEED BROADBAND PROJECT HIGHLIGHTS

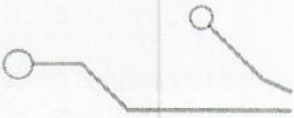


- Fiber to All Jacksonport Residences and Businesses
- Total Implementation Cost - \$3.5M
- 2 year Implementation (Estimated 60% fiber underground)
- Capacity to handle seasonal traffic
- Wi-Fi Service to Town Parks
- Frontier will perform and fund Town engineering study
- Affordability Connectivity Program for qualifying residents
- Seasonal service suspension - \$39.99





HOW DO WE PAY FOR THIS?

- Total Project Cost = \$3.5 M
 - Frontier investment = \$1.75M
 - Jacksonport Town = \$1.75M (Maximum Amount - Assuming no contributions or grants)
- 



WHAT'S THE FINANCIAL IMPACT ON ME?



\$1.75M financed over 15 years at 5.25%

Annual Debt Service approx. \$175,000

\$60 per \$100,000 valuation

(Annual tax increase of \$180 on a \$300,000 residence)

Not done with the financial impact... next slide!





FINANCIAL IMPACT CONTINUED.... YOU WILL SAVE MONEY!



Current avg. internet cost: \$100 / mo.

Cost of new Frontier service: \$ 60/mo.

Monthly Savings: \$ 40/mo.

Annual subscription savings: \$ 480

Annual tax increase: \$ 180

Net Annual Savings: \$ 300

Streaming services, TV, phone, gaming, etc. could provide addl. savings





SUMMARY

With Jacksonport building a fiber network to **every** address:

- Increased internet speed by a factor of at least 30 times
- Increased internet reliability
- Saves you money!



QUESTIONS?

Jacksonport Broadband Requirements/ISP Assessment Criteria (8/22)	DCB/Bertram	Frontier	Nsight	Charter/Spectrum
Importance 3:				
Scope - All of Jacksonport Twp	Required Yes	Yes	Yes	Yes (459)
Capacity to handle seasonal traffic (triple normal)	Required n/a	Yes	Yes	FTTP EPON architecture
Total Implementation Cost	Estimate \$6,101,501.00	\$3,500,000.00	\$6,000,000	\$7,414,490
ISP Funding Contribution	\$ or % \$1,408,039.00	\$1,750,000	\$400,000	\$1,147,500
Town Share of Project Cost	\$4,693,462.00	\$1,750,000.00	\$5,600,000	\$6,266,990
Estimated Grant Opportunity (30%?)	\$1,830,450.30	\$1,050,000.00	\$1,800,000	\$2,224,347
Customer installation / drop charges	Y/N - \$ Free or \$6,500 + activation fee \$1;	No charge	For aerial drops, we estimate of \$1	(Installation Fee \$49.99 + hourly le
Grant Written by ISP	Y/N Yes	Yes	Yes	Yes
Grant Writing funded by ISP	Y/N Yes	Yes	Yes	Yes
Engineering Study performed/contracted by ISP	Y/N Yes	Yes	Yes	Yes
Engineering Study funded by ISP	Y/N Yes	Yes	No	Yes
Customer service and repair locations	Where Baileys H/Random Lake	Sister Bay	Sister Bay	dozens of retail locations, 3 large c
Importance 2:				
Fiber to the home	Desired Yes	Yes	Yes	Yes (hybrid solution)
Scalable Download Speeds	List 250mbps/500mbps/1gbps/(10gbps)	500mbps/500mbps (up to 2 Gig)	250 Mbps to 1000 Mbps	30mbps/200mbps/400mbps/1000r
Timeframe for Installation (Start - Complete)	Estimate 3-5 Months	2 years	30 month (1 season?)	2 years
Provide wireless solution at Parks and other Town locations	Y/N Yes	provide a broadband connection	Yes	Charter to discuss further based on
Community contacts where similar service is provided	Name/# Random Lake and Utah	n/a	Luxemburg Fiber-to-the-Premise, I	Sturgeon Bay (hybrid solution)
Importance 1:				
Scalable Upload Speeds	List 250mbps/500mbps/1gbps/(10gbps)	500mbps/500mbps (up to 2 Gig)	20 Mbps to 1000 Mbps	4mbps/10mbps/20, mbps/500mbps
Subscription Rates	List 250mbps-\$47.99/500mbps-\$69.99	500/500Mbps \$64.99, 940/880Mbf	300/300 Mbps \$64.95, 500/500 Mf	Spectrum Internet Assist 30/4 \$17.
Seasonal service suspension charges	Y/N - \$ \$29 per month (October-April)	one-time \$39.99 for 2-9 months	\$25/service/season	Yes
How long will subscription rates be locked in	# Months ?	up to 4 years	12 months?	All of Spectrum service rates are n
US Affordable Connectivity Program	Y/N Yes	Yes	Yes	Yes
Company Presence in Door	Where DCB	Egg Harbor, Jacksonport, Washing	Sister Bay (Sturgeon Bay?)	Charter currently provides 1 Gigab
Fiber Presence in Door	Where 85 towers (DCB)	None	9 miles in Jacksonport	multiple municipalities with a fiber-
Fiber Presence in WI	Where 900 towers	currently constructing Edgerton, Si	4000 route miles	tens of thousands of miles of fiber