Last Mile Provider Letters of Commitment by Route

Peninsula Fiber Network's NTIA MM Application

Project Title: Infrastructure for Michigan Peninsulas and Critical Crossings (IMPACC)

Last Mile Provider	Route
123NET, Inc.	1
Bloomingdale Communications, Inc.	1
Agri-Valley Services, Inc.	2
Cherry Capital Connection, LLC	2
TDS Telecommunications, LLC	2
123NET, Inc.	3
Agri-Valley Services, Inc.	3

Route Number and Names

1. Lake Michigan Crossing – Chicago Connection
2. Lake Michigan Crossing – Peninsula and Island Connection
3. [redacted] Flint to Port Huron [redacted]

9/22/2022

Scott Randall
General Manager
Peninsula Fiber Network, LLC
1901 West Ridge Street, Suite 2
Marquette, MI 48955

Dear Scott,

123NET is pleased to provide this letter of commitment for the NTIA Middle Mile grant application submitted by Peninsula Fiber Network (PFN). PFN's proposed project will provide additional middle mile infrastructure and lays the groundwork for additional connectivity improvements in these and neighboring communities and counties.

123NET was founded to make Michigan communities and businesses the best connected on the planet. We are building a middle-mile network infrastructure to connect communities across the state with high-speed internet access. Our team is working with local governments and private partners to bring our network to unserved and underserved areas throughout Michigan

We believe that by building this network, we can help improve the quality of life for Michiganders by connecting them to the opportunities that high-speed internet provides. 123NET is a Michigan-based company with over 2,500 miles of network throughout the state. Today, 123NET provides reliable, high-speed internet access to over 1,800 customers. We are committed to providing the best possible customer experience with the most reliable and cost-effective service available.

Our Mission is simple: to build the best network in Michigan so that our customers can connect with their communities and businesses more easily than ever before. We're building a new middle mile network that will provide better access for both residential and business customers alike

The information below outlines 123NET plans to utilize this new middle mile infrastructure to expand our end user service offerings in various communities in our region.

PROJECT 1

Community Name: West Michigan Route

Description of planned connectivity project that will utilize middle mile infrastructure:

- Location of Project: Allegan County, Van Buren County, Berrien County, and Kent County
- Population of community: 34,686

- Number of end users to be served and basis for projections: 1,675 end users projected to be served based on residents that fall within 500 feet of proposed route. 123NET will continue to expand and add to the number of end users served with this network based on successful market penetration.
- Location designated as served or unserved: Per the Michigan Broadband Map the proposed route goes through both unserved and under-served areas.
- Type of service to be offered: Fiber to the Home
- Speed of service to be offered: 250 Mbps-synchronous 1 Gbps - synchronous
- [redacted]

Community benefit: The middle mile is the link between the last mile of a network and the core network. It is what facilitates high-speed data transfer between networks, allowing for more efficient and cost-effective operations. Middle mile infrastructure provides many benefits to operators, including:

Cost reduction: Middle mile infrastructure can reduce costs by as much as 50%, thanks to its ability to provide operators with access to lower-cost bandwidth.

Enhanced Capacity: Middle mile infrastructure offers greater capacity than traditional networks, which means operators can handle more traffic from customers through their networks. The addition of new services such as video conferencing or interactive gaming will also help boost capacity without having to invest in expensive upgrades at the core level of network.

Economic Development: Many countries around the world are looking at how they can use middle mile infrastructure as part of their economic development plans. In these cases, middle mile infrastructure becomes an important piece of a country's overall strategy for growth and prosperity.

PROJECT 2

Community Name: East Michigan Route

Description of planned connectivity project that will utilize middle mile infrastructure:

- Location of Project: Macomb County, St. Clair County, Lapeer County and Genesee County
- Population of community: 46,710
- Number of end users to be served and basis for projections. 2,575 end users are projected to be serviced based on residents that fall within 500 feet of the proposed route. 123NET will continue to

expand and add to the number of end users served with this network based on successful market penetration.

- Location designated as served or unserved: Per the Michigan Broadband Map the proposed route goes through both unserved and under-served areas.
- Type of service to be offered: Fiber to the Home
- Speed of service to be offered: 250 Mbps-synchronous 1 Gbps - synchronous
- [redacted]

Community benefit: The middle mile is the link between the last mile of a network and the core network. It is what facilitates high-speed data transfer between networks, allowing for more efficient and cost-effective operations. Middle mile infrastructure provides many benefits to operators, including:

Cost reduction: Middle mile infrastructure can reduce costs by as much as 50%, thanks to its ability to provide operators with access to lower-cost bandwidth.

Enhanced Capacity: Middle mile infrastructure offers greater capacity than traditional networks, which means operators can handle more traffic from customers through their networks. The addition of new services such as video conferencing or interactive gaming will also help boost capacity without having to invest in expensive upgrades at the core level of network.

Economic Development: Many countries around the world are looking at how they can use middle mile infrastructure as part of their economic development plans. In these cases, middle mile infrastructure becomes an important piece of a country's overall strategy for growth and prosperity.

As a last-mile service provider, we are committed to partner with PFN bringing reliable broadband infrastructure to our community believing it will increase economic growth throughout the county, improve access to all forms of education, increase opportunities for online business ventures, and improve connectivity for telehealth and other vital community services.

Please do not hesitate to contact me if you require additional information regarding our support for PFN and this important project.

[redacted]

August 29, 2022

Scott Randall, General Manager
Peninsula Fiber Network, LLC
1901 West Ridge Street, Suite 2
Marquette, MI 48955

Dear Scott,

Bloomingdale Telephone Company (dba Bloomingdale Communications, Inc.) is pleased to provide this letter of commitment for the NTIA Middle Mile grant application submitted by Peninsula Fiber Network (PFN). PFN's proposed project will provide additional middle mile infrastructure in Byron Center-Benton Harbor-Chicago and lays the groundwork for additional connectivity improvements in the neighboring communities and counties which we serve.

Bloomingdale Telephone Company (dba Bloomingdale Communications, Inc.) has extensive history providing advanced broadband services to our customers. Bloomingdale Communications, Inc. has been in operations since 1905 and we provide services to businesses and residential customers in Allegan, Kalamazoo and Van Buren Counties through our Bloomingdale Telephone Company ILEC operations and also our Southwest Michigan Communications CLEC operations. We are an all fiber to the premises provider and we rely heavily on our connecting partners for middle mile bandwidth. We currently provide service to more than 4,000 customers and we also provide internet/connectivity services to all of the schools, libraries and community anchor institutions in Van Buren County. In the past 5 years, our company has invested more than $12.5 million in fiber and equipment infrastructure buildouts.

Bloomingdale Communications will leverage its recent USDA-RUS grant awards by investing an additional $18.5 million or more to expand to approximately 3,500 more homes and businesses in rural Allegan, Kalamazoo and Van Buren Counties. These planned projects will definitely require our company to increase its internet connectivity to the outside world. Having additional middle mile capacity will be critically important in our ability to serve these additional customers.

Aside from utilizing this middle mile infrastructure for our connectivity needs, Bloomingdale is pleased this project will include the installation of an undersea cable to Chicago's inter-exchange carrier. Currently, our internet traffic runs in the same location as nearly all other Michigan providers – creating a pinch point in Indiana enroute to Illinois. The installation of an undersea cable across Lake Michigan provides a truly redundant and resilient route, protecting our network viability should the existing land routes become compromised.

The information below outlines Bloomingdale Telephone Company's plans to utilize this new middle mile infrastructure to help us to expand our end user service offerings in various communities in our region.

PROJECT 1 – USDA-RUS ReConnect Round 1

Community Name: Allegan and Van Buren Counties

101 W. Kalamazoo Street, P.O. Box 187, Bloomingdale, MI 49026 | Phone: (269) 521-7300 or (800) 377-3130 | Fax: (269) 521-7373
114 S. Kalamazoo St., P.O. Box 205, Paw Paw MI 49079 | Phone: (269) 415-0500 or (866) 668-7254 | Fax: (269) 657-6246
www.bloomingdalecom.net | E-mail: staff@bloomingdalecom.net

Served or Unserved designation: This $12 million project will provide fiber to the premise service to approximately 2,200 locations (homes and businesses) determined to be less than 10Mbps download by 1Mbps upload as determined by the FCC and USDA-RUS.

Description of planned connectivity project that will utilize middle mile infrastructure: The service planned is fiber to the premise with speeds starting at 50Mbps download by 50Mbps upload. We are currently offering 1Gbps download by 1Gbps upload as our fastest speed.

Description of end-user services and prices: ***Please see attached pricing/service sheet.***

Community benefit: The middle mile component of this service is critically important to our ability to serve all of these new customers with high-speed internet. The community benefit to this project includes increased ability for residents to work from home; enhancing educational opportunities for students and enabling participation in online learning, telemedicine and economic development endeavors.

PROJECT 2 – USDA-RUS ReConnect Round 2
Community Name: Allegan, Kalamazoo and Van Buren Counties

Served or Unserved designation: This $6.5 million project will provide fiber to the premise service to approximately 1,000 locations (homes and businesses) determined to be less than 10Mbps download by 1Mbps upload as determined by the FCC and USDA-RUS.

Description of planned connectivity project that will utilize middle mile infrastructure: the service planned is all fiber to the premise with speeds currently starting at 50Mbps download by 50Mbps upload. We are currently offering 1Gbps download by 1Gbps upload as our fastest speed.

Description of end-user services and prices: ***Please see attached pricing/service sheet.***

Community benefit: The middle mile component of this service is critically important to our ability to serve all of these new customers with high-speed internet. The community benefit to this project includes increased ability for residents to work from home; enhancing educational opportunities for students and enabling participation in online learning, telemedicine and economic development endeavors.

As a last-mile service provider, we are committed to collaborate and partner with PFN bringing reliable broadband infrastructure to our community believing it will increase economic growth throughout the areas that we serve, improve access to all forms of education, increase opportunities for online business ventures, and improve connectivity for telehealth and other vital community services.

Please do not hesitate to contact me if you require additional information regarding our support for PFN and this critically important project.

Sincerely,

[redacted]

August 30, 2022

Scott Randall
General Manager
Peninsula Fiber Network, LLC
1901 West Ridge Street, Suite 2
Marquette, MI 48955

Dear Scott,

Agri-Valley Services is pleased to provide this letter of commitment for the NTIA Middle Mile grant application submitted by Peninsula Fiber Network (PFN). PFN's proposed project will provide additional middle mile infrastructure in Mancelona, Elmira, Gaylord, Port Huron and Blue Water Bridge areas and lays the groundwork for additional connectivity improvements in these and neighboring communities and counties.

Agri-Valley Services has an extensive history of providing a variety of internet services to our customers. Agri-Valley Services has been in operation since 1999 and has provided over 8000 customers with a combination of fixed wireless broadband, vDSL and FTTH services. Our primary service area is the three counties that make up the "Thumb of Michigan" in addition to a number of rural areas in the lower peninsula of Michigan. We have invested over $35 million in
our network and we collaborate closely with community leaders to expand broadband in ours and other regions in Michigan.

The information below outlines Agri-Valley Services' plans to utilize this new middle mile infrastructure to expand our end user service offerings in various communities in our region.

Community Name: Mancelona Township, Star Township, Alba, Antrim County, and portions of Otsego County.

Description of planned connectivity project that will utilize middle mile infrastructure:

This will be a hybrid project consisting of both Fiber-To-The-Home (FTTH) and fixed wireless services.

FTTH service will be provided to areas currently underserved by Agri-Valley Services vDSL deployment within the Pigeon Telephone Exchange areas. There are approximately 7,500 mappable dwellings within this market currently. PFN's middle mile infrastructure could provide AVS with middle mile transport for additional service nodes and / or serve as additional distribution backbone depending on network design.

Beyond the exchange borders, fixed wireless would be deployed using licensed spectrum currently owned by Agri-Valley Services to further reach unserved / underserved subscribers in adjacent areas. We anticipate this portion of the project would expand service availability to 5837 residents currently unserved and/or underserved. PFN's middle mile infrastructure would be utilized in creating backhaul transport to feed the selected tower sites. Looking ahead, as additional middle mile is brought our counties, we can extend FTTH to these service areas increasing speeds to 300/300.

Description of end-user services and prices:

Service offerings to be available are as follows:

(Fixed Wireless)	DL x UL
Standard Unlimited	10 x 2
Plus Unlimited	15 x 2
Premium Unlimited	20 x 3
Premium Plus Unlimited /CBRS	35 x 3

(Fiber-To-The-Home)	DL x UL
Ultra	100 DL x 100 UL
Ultra Plus	200 DL x 200 UL
Extreme	300 DL x 300 UL

* Includes $8.00 ONU Rental

(Fiber to the Business)	DL x UL
Business 300	300 DL x 300 UL
Business 500	500 DL x 500 UL
Business 700	700 DL x 700 UL
Business 1G	1G DL x 1G UL

Community benefit: Due to the physical limitations of vDSL, current subscribers with longer line loop lengths are currently limited to speeds of 10/1 or 25/3. By upgrading the service offering to FTTH, all current subscribers will have access to increased speeds of 300/300 (or more.) This increase in bandwidth will allow customers in this market additional options for streaming entertainment, work at home opportunities, remote learning, and more.

PFN middle mile infrastructure upgrades will also provide opportunities for AVS to build last mile fiber to certain tower locations in Star Township and Mancelona Township. Having connectivity to these tower sites will allow us to deploy fixed wireless service to subscribers in the surrounding areas, bringing broadband service to unserved locations where potential subscribers are currently left without options for service

Lastly, with additional PFN middle mile routes available, Agri-Valley Services will be able to access diverse and redundant feeds into our network to ensure stability and reliability for our subscribers.

Our goal is to meet the bandwidth and reliability needs of all residents, businesses, and anchor institutions now and into the future.

Agri-Valley Services
An Agri-Valley Communications Company

As a last-mile service provider, we are committed to partner with/support PFN bringing reliable broadband infrastructure to our community believing it will increase economic growth throughout the county, improve access to all forms of education, increase opportunities for online business ventures, and improve connectivity for telehealth and other vital community services.

Please do not hesitate to contact me if you require additional information regarding our support for PFN and this important project.

Sincerely,

[redacted]

Sarah Bleau - Middle Mile Director
Office of internet Connectivity and Growth
Nation Telecommunications and information Administration
U.S. Department of Commerce
1401 Constitution Avenue, NW
Washington, D.C. 20230

Sarah Bleau - Middle Mile Director,

Cherry Capital Connection is pleased to provide this letter of commitment for the NTIA Middle Mile grant application submitted by Peninsula Fiber Network (PFN). PFN's proposed project will provide additional middle mile infrastructure in the Counties of Charlevoix and Antrim and lays the groundwork for additional connectivity improvements in these and neighboring communities and counties.

Cherry Capital Connection, LLC (CCC) has extensive history providing advanced broadband services to our customers. CCC is a Michigan based CLEC and Eligible Telephone company providing High Speed Internet access and telephone services since 2001. Since 2019 PFN has been an essential component in our deployment strategy by providing CCC middle mile access for our XgsPON last mile delivery. This access has enabled CCC to transition our existing Fixed-Point Wireless (FPW) customers to PON while connecting over 70% of their neighbors. We provide 490 customers with FPW and over 400 XgsPON customers with Gig symmetrical services in our service area which is in northwest rural Michigan. Since 2020 CCC has been focused 100% on connecting all households to Gig symmetrical fiber services. Our company continues to invest millions in our network annually, and we collaborate closely with community leaders to expand broadband in our 11-county region. CCC was the recipient of $5.6 million RDOF phase 1 support in 2021 and over $1.2 million is county/township ARPA support.

The information below outlines CCC plans to utilize this new middle mile infrastructure to expand our end user service offerings in various communities in our region.

PROJECT 1

Community Name: [Antrim County]

Description of planned connectivity project that will utilize middle mile infrastructure:

- Location: underserved and underserved areas of Antrim County defined as the rural areas that serviced by Consumers Energy Electrical and expanding CCC current network into the most rural and remote areas of the service region.
- 9,600 households passed
- 4,896 households to be connected
- The rural areas associated with the area along M-66 and M-88 that are not serviced by cable service. This area was identified by a survey done by Antrim County and was included in an RFP posted by Antrim County. Additionally, this area has been service by unlicensed fix point wireless and is served using 2.4Ghz and 900Mhz limiting the serviceable area to 10 x 1. CCC is a FPW provider in this registered area with a greater than 15-year history. Compared with RDOF data and state of Michigan published data
- *XgsPON fiber to the premise*
- *Gig symmetrical*
- [redacted]

Community benefit:
Reducing the cost of construction will result in lower pricing and expands the service area to be constructed. The area being service average 18 households per route mile, PFN middle mile pricing enables monthly subscription rates to be competitive and provide a sustainable business model for the provider. The middle mile proposed will provide redundancy for existing data centers. Many of our small businesses work from home and require gig capable levels of service. Fiber enables the ability for small businesses to reduce telephone charges through VoIP. Similar projects completed by CCC has resulted in 85% adoption rates. Required middle mile to expand beyond FPW.

PROJECT 2

Community Name: [Charlevoix County]

Description of planned connectivity project that will utilize middle mile infrastructure:

- Location: underserved and underserved areas of Antrim County defined as the rural areas that serviced by Charlevoix Electric and expanding CCC existing network into the most rural and remote areas.
- Houses passed 3,800
- Area serviced by exclusively serviced by Fixed Point Wireless at 10 Mbps x 1 Mbps 1,500 based on operational experience. Compared with RDOF data and state of Michigan published data.
- Location designated as served or unserved: The households is based on a 15-year operation history of FPW in current inability to provide higher levels of service.
- *XgsPON fiber to the premise*
- *Gig symmetrical*
- [redacted]

Community benefit Reducing the cost of construction will result in lower pricing and expands the service area to be constructed. The area being service average 18 households per route mile, PFN middle mile pricing enables monthly subscription rates to be competitive and provide a sustainable business model for the provider. The middle mile proposed will provide redundancy for existing data centers. Many of our small businesses work from home and require gig capable levels of service. Fiber enables the ability for small businesses to reduce telephone charges through VoIP. Similar projects completed by CCC has resulted in 85% adoption rates. Required middle mile to expand beyond FPW.

As a last-mile service provider, we are committed to continued collaboration with and partnering with PFN bringing reliable broadband infrastructure to our community believing it will increase economic growth throughout our service region, improve access to all forms of education, increase opportunities for online business ventures, and improve connectivity for telehealth and other vital community services.

Please do not hesitate to contact me if you require additional information regarding our support for PFN and this important project.

Sincerely,

[redacted]

Cherry Capital Communications

A modern Internet Service Provider (CLEC)

www.cccfiber.com

2022 Service Reservation Form for End-to-End Fiber to the Home

Name:

Phone Number(s) Email Address(es)

Service Location address:

Billing Address (if different):

Requirements to be considered seasonal: **Seasonal terms:** https://www.cherrycapitalcommunications.com/terms

All service plans offer unlimited data. Home router not included.

A) Fiber to the home installation pricing varies per project. Below is suggested monthly subscription pricing.

Plans	[redacted]	Download speed	Upload Speed	Data***	Select
2022-1		100Mbps	100Mbps	Unlimited	
2022-2		250Mbps	250Mbps	Unlimited	
2022-3		500Mbps	500Mbps	Unlimited	
2022-4		1Gbps	500Mbps	Unlimited	
2022-5		1Gbps	1Gbps	Unlimited	

Verify your FCC ACP eligibility to get $30 per month financial assistance: https://www.fcc.gov/acp

[redacted]

*****The FCC has defined unlimited data as 2TB of data per month.**

**** Price listed requires a 12-month commitment.**

Please indicate yes or no if you have special financial needs: _____

Please indicate primary use: ____Home, ___Business, ___Government

***By signing this form**

1) you are expressing interest in our product,

2) you agree to receive e-mail communications from C.C.C. for purposes of marketing and customer surveys,

3) you understand that only one discount offered can be applied per account and,

4) you understand final determination of pricing is solely the responsibility of CCC.

5) you understand that speeds experienced are affected by your inside network. To experience speeds above 100Mbps may require upgrading your inside network equipment at your own expense.

Sign: _____ Date: _____

Your personal experience will be greatly influenced by what router and wireless you use at home

Router selected most by our customer base: https://eero.com/find-your-system/quiz

September 9, 2022

Scott Randall
General Manager
Peninsula Fiber Network, LLC
1901 West Ridge Street, Suite 2
Marquette, MI 48955

Dear Scott,

TDS Telecommunications LLC (TDS Telecom/TDS) is pleased to provide this letter of commitment for the NTIA Middle Mile grant application submitted by Peninsula Fiber Network (PFN). PFN's proposed project will provide additional middle mile infrastructure to Beaver Island, Michigan and lays the groundwork for additional connectivity improvements in these and neighboring communities and counties.

TDS Telecom has extensive history providing advanced broadband services to our customers. Founded in 1969, TDS Inc. employs 9,100 people and has approximately six million connections nationwide through its businesses U.S. Cellular, TDS Telecom, OneNeck IT Solutions LLC, and TDS Broadband Service. TDS Inc. has been named to several Forbes lists, including America's Best Employers for Diversity, Best Large Employers, and Best Employers for Women. TDS Telecom, headquartered in Madison, Wis., employs 2,900 people and is a subsidiary of Telephone and Data Systems, Inc. [NYSE: TDS], a Fortune 1000® company.

TDS Telecom delivers high-speed internet, TV entertainment, and phone services to nearly 1,000 rural, suburban, and metropolitan communities across the U.S. With 1.2 million connections, TDS is a rapidly growing technology company. Powered by fiber-optics and new industry-leading technologies, TDS delivers up to 1 Gigabit internet speeds and offers internet-protocol based TV entertainment solutions along with traditional phone services. TDS also offers businesses VoIP advanced communications solutions, dedicated internet service, data networking, and hosted-managed services. Visit tdstelecom.com.

TDS Telecom has been doing business in Michigan since 1982 and owns five telephone companies in the state: CCM Telephone Company (1990), Chatham Telephone Company (1984), Island Telephone, Company (1989), Shiawassee Telephone Company (1982), and Wolverine Telephone Company (1986).

In Michigan, TDS is leveraging Alternative Connect America funds to expand and improve broadband service to its ILEC customers. In 2017, the Federal Communications Commission (FCC) allocated $3.3 million to reach residents in some of the hardest to serve areas in Michigan. The FCC's Alternative Connect America Cost Model (A-CAM) provided funding for 671 locations on Beaver Island.
The information below outlines TDS Telecom's plans to utilize this new middle mile infrastructure to expand our end user service offerings for the communities we serve on Beaver Island.

PROJECT 1

Community Name: Beaver Island – St. James and Peaine Townships, Charlevoix County, Michigan

Description of planned connectivity project that will utilize middle mile infrastructure:

Location of Project	Beaver Island, MI
Population	657
Number of end users to be served and basis for projections	1,084 locations. Based on the number of locations in service area.
Location designated as served or unserved	Unserved: 486 locations (<25/3) Underserved: 598 locations (>= 25/3 <100/20)
Type of service to be offered	GPON FTTH
Speed of service to be offered	1 Gbps symetrical

Description of end-user prices: Describe briefly and attached additional information if needed.

Service Tier	Max Download/Upload	[redacted]
1Gig Fiber Internet	1Gbps/1Gbps	[redacted]
Extreme 600 Fiber Internet	600Mbps/600Mbps	[redacted]
Extreme 300 Fiber Internet	300Mbps/300Mbps	[redacted]

Note:

(1) TDS also offers these products at rates for bundled services.
(2) Promotional pricing varies and may not be available in all areas.
(3) Lower speed options are available, but rates are similar to the 300Mbps offering

Community benefit:

The Covid-19 Pandemic highlighted the need for high-speed broadband in many rural areas, including Beaver Island, Michigan. Broadband service at fast speeds is no longer optional for many consumers. The pandemic also highlighted the need for fast broadband to enable remote work, remote schooling, remote health care, and options for online shopping and entertainment.

Beaver Island is the most remote populated island in Lake Michigan, with a year-round population of approximately 650 residents that can increase to several thousand with summer residents and visitors. Since the pandemic began, the number of permanent residents on Beaver Island has increased dramatically to levels no one anticipated. Pre-pandemic, TDS had approximately 400 customers on Beaver Island and today there are over 600.

The increased demand for broadband service on Beaver Island created a need for greater backhaul capacity. Awarding funds for PFN's middle-mile project will provide access to high-speed and reliable fiber backhaul, which will allow TDS to provide FTTH connectivity for its Beaver Island customers.

As a last-mile service provider, we are committed to collaborating with PFN to bring reliable high-speed broadband infrastructure to Beaver Island believing it will increase economic growth throughout the county, improve access to all forms of education, increase opportunities for online business ventures, and improve connectivity for telehealth and other vital community services.

Please do not hesitate to contact me if you require additional information regarding our support for PFN and this important project.

[redacted]

9/22/2022

Scott Randall
General Manager
Peninsula Fiber Network, LLC
1901 West Ridge Street, Suite 2
Marquette, MI 48955

Dear Scott,

123NET is pleased to provide this letter of commitment for the NTIA Middle Mile grant application submitted by Peninsula Fiber Network (PFN). PFN's proposed project will provide additional middle mile infrastructure and lays the groundwork for additional connectivity improvements in these and neighboring communities and counties.

123NET was founded to make Michigan communities and businesses the best connected on the planet. We are building a middle-mile network infrastructure to connect communities across the state with high-speed internet access. Our team is working with local governments and private partners to bring our network to unserved and underserved areas throughout Michigan

We believe that by building this network, we can help improve the quality of life for Michiganders by connecting them to the opportunities that high-speed internet provides. 123NET is a Michigan-based company with over 2,500 miles of network throughout the state. Today, 123NET provides reliable, high-speed internet access to over 1,800 customers. We are committed to providing the best possible customer experience with the most reliable and cost-effective service available.

Our Mission is simple: to build the best network in Michigan so that our customers can connect with their communities and businesses more easily than ever before. We're building a new middle mile network that will provide better access for both residential and business customers alike

The information below outlines 123NET plans to utilize this new middle mile infrastructure to expand our end user service offerings in various communities in our region.

PROJECT 1

Community Name: West Michigan Route

Description of planned connectivity project that will utilize middle mile infrastructure:

- Location of Project: Allegan County, Van Buren County, Berrien County, and Kent County
- Population of community: 34,686

- Number of end users to be served and basis for projections: 1,675 end users projected to be served based on residents that fall within 500 feet of proposed route. 123NET will continue to expand and add to the number of end users served with this network based on successful market penetration.
- Location designated as served or unserved: Per the Michigan Broadband Map the proposed route goes through both unserved and under-served areas.
- Type of service to be offered: Fiber to the Home
- Speed of service to be offered: 250 Mbps-synchronous 1 Gbps - synchronous
- [redacted]

Community benefit: The middle mile is the link between the last mile of a network and the core network. It is what facilitates high-speed data transfer between networks, allowing for more efficient and cost-effective operations. Middle mile infrastructure provides many benefits to operators, including:

Cost reduction: Middle mile infrastructure can reduce costs by as much as 50%, thanks to its ability to provide operators with access to lower-cost bandwidth.

Enhanced Capacity: Middle mile infrastructure offers greater capacity than traditional networks, which means operators can handle more traffic from customers through their networks. The addition of new services such as video conferencing or interactive gaming will also help boost capacity without having to invest in expensive upgrades at the core level of network.

Economic Development: Many countries around the world are looking at how they can use middle mile infrastructure as part of their economic development plans. In these cases, middle mile infrastructure becomes an important piece of a country's overall strategy for growth and prosperity.

PROJECT 2

Community Name: East Michigan Route

Description of planned connectivity project that will utilize middle mile infrastructure:

- Location of Project: Macomb County, St. Clair County, Lapeer County and Genesee County
- Population of community: 46,710
- Number of end users to be served and basis for projections. 2,575 end users are projected to be serviced based on residents that fall within 500 feet of the proposed route. 123NET will continue to

expand and add to the number of end users served with this network based on successful market penetration.

- Location designated as served or unserved: Per the Michigan Broadband Map the proposed route goes through both unserved and under-served areas.
- Type of service to be offered: Fiber to the Home
- Speed of service to be offered: 250 Mbps-synchronous 1 Gbps - synchronous
- [redacted]

Community benefit: The middle mile is the link between the last mile of a network and the core network. It is what facilitates high-speed data transfer between networks, allowing for more efficient and cost-effective operations. Middle mile infrastructure provides many benefits to operators, including:

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Economic Development: Many countries around the world are looking at how they can use middle mile infrastructure as part of their economic development plans. In these cases, middle mile infrastructure becomes an important piece of a country's overall strategy for growth and prosperity.

As a last-mile service provider, we are committed to partner with PFN bringing reliable broadband infrastructure to our community believing it will increase economic growth throughout the county, improve access to all forms of education, increase opportunities for online business ventures, and improve connectivity for telehealth and other vital community services.

Please do not hesitate to contact me if you require additional information regarding our support for PFN and this important project.

[redacted]

Agri-Valley Services
An Agri-Valley Communications Company

August 30, 2022

Scott Randall
General Manager
Peninsula Fiber Network, LLC
1901 West Ridge Street, Suite 2
Marquette, MI 48955

Dear Scott,

Agri-Valley Services is pleased to provide this letter of commitment for the NTIA Middle Mile grant application submitted by Peninsula Fiber Network (PFN). PFN's proposed project will provide additional middle mile infrastructure in St. Clair, Lapeer, and Genesee County areas and lays the groundwork for additional connectivity improvements in these and neighboring communities and counties.

Agri-Valley Services has an extensive history of providing a variety of internet services to our customers. Agri-Valley Services has been in operation since 1999 and has provided over 8000 customers with a combination of fixed wireless broadband, vDSL and FTTH services. Our primary service area is the three counties that make up the "Thumb of Michigan" in addition to a number of rural areas in the lower peninsula of Michigan. We have invested over $35 million in
our network and we collaborate closely with community leaders to expand broadband in ours and other regions in Michigan.

The information below outlines Agri-Valley Services' plans to utilize this new middle mile infrastructure to expand our end user service offerings in various communities in our region.

Community Name: City of Lapeer, Lapeer County, St. Clair County, & surrounding counties

Description of planned connectivity project that will utilize middle mile infrastructure:

Agri-Valley Services would utilize PFN's middle mile infrastructure to deploy additional fixed wireless services within Lapeer, St. Clair and potentially adjacent counties. We would leverage our existing FCC Wireless licenses to further reach unserved / underserved subscribers in these areas. PFN's middle mile infrastructure would be utilized in creating backhaul transport to feed the selected tower sites. Looking ahead, as additional middle mile is brought to these counties, we can look to extend FTTH to select areas increasing speeds to 300/300 or more.

Description of end-user services and prices:

Service offerings to be available are as follows:

(Fixed Wireless)	DL x UL	[redacted]
Standard Unlimited	10 x 2	
Plus Unlimited	15 x 2	
Premium Unlimited	20 x 3	
Premium Plus Unlimited /CBRS	35 x 3	

(Fiber-To-The-Home)	DL x UL
Ultra	100 DL x 100 UL
Ultra Plus	200 DL x 200 UL
Extreme	300 DL x 300 UL

* Includes $8.00 ONU Rental

(Fiber to the Business)	DL x UL
Business 300	300 DL x 300 UL
Business 500	500 DL x 500 UL
Business 700	700 DL x 700 UL
Business 1G	1G DL x 1G UL

Community benefit: This project would increase service availability to households and/or businesses currently unserved or underserved. Our project will allow customers in this market additional options for streaming entertainment, work at home opportunities, remote learning, and more.

Additionally, with additional PFN middle mile routes available, Agri-Valley Services will be able to access diverse and redundant feeds into our network to ensure stability and reliability for our subscribers.

Our goal is to meet the bandwidth and reliability needs of all residents, businesses, and anchor institutions now and into the future.

As a last-mile service provider, we are committed to partner with/support PFN bringing reliable broadband infrastructure to our community believing it will increase economic growth throughout the county, improve access to all forms of education, increase opportunities for online business ventures, and improve connectivity for telehealth and other vital community services.

Please do not hesitate to contact me if you require additional information regarding our support for PFN and this important project.

Sincerely,