

Federal Financial Report
(Follow form Instructions)

OMB Number: 4040-0014
Expiration Date: 02/28/2025

1. Federal Agency and Organizational Element to Which Report is Submitted National Institute of Standards and Technology		2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) 20-40-MM553	
3. Recipient Organization (Name and complete address including Zip code) Recipient Organization Name: WANRack Street1: 4550 W 109th Street Street2: City: Overland Park County: Johnson State: KS: Kansas Province: Country: USA: UNITED STATES ZIP / Postal Code: 66211-1305			
4a. UEI [REDACTED]	4b. EIN [REDACTED]	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) 20-40-MM553	
6. Report Type <input type="checkbox"/> Quarterly <input checked="" type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input type="checkbox"/> Final	7. Basis of Accounting <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual	8. Project/Grant Period From: 07/01/2023 To: 09/30/2023	9. Reporting Period End Date 09/30/2023
10. Transactions		Cumulative	
(Use lines a-c for single or multiple grant reporting)			
Federal Cash (To report multiple grants, also use FFR attachment):			
a. Cash Receipts		0.00	
b. Cash Disbursements		0.00	
c. Cash on Hand (line a minus b)		0.00	
(Use lines d-o for single grant reporting)			
Federal Expenditures and Unobligated Balance:			
d. Total Federal funds authorized		2,812,086.07	
e. Federal share of expenditures		0.00	
f. Federal share of unliquidated obligations		0.00	
g. Total Federal share (sum of lines e and f)		0.00	
h. Unobligated balance of Federal Funds (line d minus g)		2,812,086.07	
Recipient Share:			
i. Total recipient share required		2,926,865.10	
j. Recipient share of expenditures		0.00	
k. Remaining recipient share to be provided (line i minus j)		2,926,865.10	
Program Income:			
l. Total Federal program income earned		0.00	
m. Program Income expended in accordance with the deduction alternative		0.00	
n. Program Income expended in accordance with the addition alternative		0.00	
o. Unexpended program income (line l minus line m and line n)		0.00	

11. Indirect Expense						
a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
g. Totals:				<div></div>	<div></div>	<div></div>
12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:						
<div></div> <div>Add AttachmentDelete AttachmentView Attachment</div>						
13. Certification: By signing this report, I certify to the best of my knowledge and belief that the report is true, complete, and accurate, and the expenditures, disbursements and cash receipts are for the purposes and objectives set forth in the terms and conditions of the Federal award. I am aware that any false, fictitious, or fraudulent information, or the omission of any material fact, may subject me to criminal, civil or administrative penalties for fraud, false statements, false claims or otherwise. (U.S. Code Title 18, Section 1001 and Title 31, Sections 3729-3730 and 3801-3812).						
a. Name and Title of Authorized Certifying Official						
Prefix: <div>Mr.</div> First Name: <div>David</div> Middle Name: <div></div>						
Last Name: <div>Soffer</div> Suffix: <div></div>						
Title: <div>Director of Business Development</div>						
b. Signature of Authorized Certifying Official				c. Telephone (Area code, number and extension)		
<div>David Soffer</div>				<div>9177476305</div>		
d. Email Address				e. Date Report Submitted		14. Agency use only:
<div>david.soffer@wanrack.com</div>				<div>10/30/2023</div>		

Federal Financial Report Instructions

Report Submissions

- 1) Recipients will be instructed by Federal agencies to submit the *Federal Financial Report (FFR)* to a single location, except when an automated payment management reporting system is utilized. In this case, a second submission location may be required by the agency.
- 2) If recipients need more space to support their *FFRs*, or *FFR* Attachments, they should provide supplemental pages. These additional pages must indicate the following information at the top of each page: Federal grant or other identifying number (if reporting on a single award), recipient organization, Unique Entity Identifier (UEI) number, Employer Identification Number (EIN), and period covered by the report.

Reporting Requirements

- 1) The submission of interim *FFRs* will be on a quarterly, semi-annual, or annual basis, as directed by the Federal agency. A final *FFR* shall be submitted at the completion of the award agreement. The following reporting period end dates shall be used for interim reports: 3/31, 6/30, 9/30, or 12/31. For final *FFRs*, the reporting period end date shall be the end date of the project or grant period.
- 2) Quarterly and semi-annual interim reports shall be submitted no later than 30 days after the end of each reporting period. Annual reports shall be submitted no later than 90 days after the end of each reporting period. Final reports shall be submitted no later than 90 days after the project or grant period end date.

Note: For single award reporting:

- 1) Federal agencies may require both cash management information on lines 10(a) through 10(c) and financial status information lines 10(d) through 10(o).
- 2) 10(b) and 10(e) may not be the same until the final report.

Line Item Instructions for the Federal Financial Report

FFR Number	Reporting Item	Instructions
Cover Information		
1	Federal Agency and Organizational Element to Which Report is Submitted	Enter the name of the Federal agency and organizational element identified in the award document or as instructed by the agency.
2	Federal Grant or Other Identifying Number Assigned by Federal Agency	For a single award, enter the grant number assigned to the award by the Federal agency. For multiple awards, report this information on the <i>FFR</i> Attachment. <i>Do not complete this box if reporting on multiple awards.</i>
3	Recipient Organization	Enter the name and complete address of the recipient organization including zip code.
4a	UEI	Enter the recipient organization's Unique Entity Identifier (UEI) or Central Contract Registry UEI.
4b	EIN	Enter the recipient organization's Employer Identification Number (EIN).
5	Recipient Account Number or Identifying Number	Enter the account number or any other identifying number assigned by the recipient to the award. This number is for the recipient's use only and is not required by the Federal agency. For multiple awards, report this

Revised 6/28/2010

FFR Number	Reporting Item	Instructions
		information on the <i>FFR</i> Attachment. <i>Do not complete this box if reporting on multiple awards.</i>
6	Report Type	Mark appropriate box. <i>Do not complete this box if reporting on multiple awards.</i>
7	Basis of Accounting (Cash/Accrual)	Specify whether a cash or accrual basis was used for recording transactions related to the award(s) and for preparing this <i>FFR</i> . Accrual basis of accounting refers to the accounting method in which expenses are recorded when incurred. For cash basis accounting, expenses are recorded when they are paid.
8	Project/Grant Period, From: (Month, Day, Year)	Indicate the period established in the award document during which Federal sponsorship begins and ends. Note: Some agencies award multi-year grants for a project period that is funded in increments or budget periods (typically annual increments). Throughout the project period, agencies often require cumulative reporting for consecutive budget periods. Under these circumstances, enter the beginning and ending dates of the project period not the budget period. <i>Do not complete this line if reporting on multiple awards.</i>
	Project/Grant Period, To: (Month, Day, Year)	See the above instructions for "Project/Grant Period, From: (Month, Day, Year)."
9	Reporting Period End Date: (Month, Day, Year)	Enter the ending date of the reporting period. For quarterly, semi-annual, and annual interim reports, use the following reporting period end dates: 3/31, 6/30, 9/30, or 12/31. For final <i>FFRs</i> , the reporting period end date shall be the end date of the project or grant period.
10	Transactions Enter cumulative amounts from date of the inception of the award through the end date of the reporting period specified in line 9. Use Lines 10a through 10c, Lines 10d through 10o, or Lines 10a through 10o, as specified by the Federal agency, when reporting on single grants. Use Line 12, Remarks, to provide any information deemed necessary to support or explain <i>FFR</i> data.	
Federal Cash (To report multiple grants, also use <i>FFR</i> Attachment)		
10a	Cash Receipts	Enter the cumulative amount of actual cash received from the Federal agency as of the reporting period end date.
10b	Cash Disbursements	Enter the cumulative amount of Federal fund disbursements (such as cash or checks) as of the reporting period end date. Disbursements are the sum of actual cash disbursements for direct charges for goods and services, the amount of indirect expenses charged to the award, and the amount of cash advances and payments made to subrecipients and contractors. For multiple grants, report each grant separately on the <i>FFR</i> Attachment. The sum of the cumulative cash disbursements on the <i>FFR</i> Attachment must equal the amount entered on Line 10b, <i>FFR</i> .
10c	Cash On Hand (Line 10a Minus Line 10b)	Enter the amount of Line 10a minus Line 10b. This amount represents immediate cash needs. If more than three business days of cash are on hand, the Federal agency may require an explanation

FFR Number	Reporting Item	Instructions
		on Line 12, Remarks, explaining why the drawdown was made prematurely or other reasons for the excess cash.
Federal Expenditures and Unobligated Balance: Do not complete this section if reporting on multiple awards.		
10d	Total Federal Funds Authorized	Enter the total Federal funds authorized as of the reporting period end date.
10e	Federal Share of Expenditures	Enter the amount of Federal fund expenditures. For reports prepared on a cash basis, expenditures are the sum of cash disbursements for direct charges for property and services; the amount of indirect expense charged; and the amount of cash advance payments and payments made to subrecipients. For reports prepared on an accrual basis, expenditures are the sum of cash disbursements for direct charges for property and services; the amount of indirect expense incurred; and the net increase or decrease in the amounts owed by the recipient for (1) goods and other property received; (2) services performed by employees, contractors, subrecipients, and other payees; and (3) programs for which no current services or performance are required. Do not include program income expended in accordance with the deduction alternative, rebates, refunds, or other credits. (Program income expended in accordance with the deduction alternative should be reported separately on Line 10o.)
10f	Federal Share of Unliquidated Obligations	Unliquidated obligations on a cash basis are obligations incurred, but not yet paid. On an accrual basis, they are obligations incurred, but for which an expenditure has not yet been recorded. Enter the Federal portion of unliquidated obligations. Those obligations include direct and indirect expenses incurred but not yet paid or charged to the award, including amounts due to subrecipients and contractors. On the final report, this line should be zero unless the awarding agency has provided other instructions. <i>Do not include any amount in Line 10f that has been reported in Line 10e. Do not include any amount in Line 10f for a future commitment of funds (such as a long-term contract) for which an obligation or expense has not been incurred.</i>
10g	Total Federal Share (Sum of Lines 10e and 10f)	Enter the sum of Lines 10e and 10f.
10h	Unobligated Balance of Federal Funds (Line 10d Minus Line 10g)	Enter the amount of Line 10d minus Line 10g.
Recipient Share: Do not complete this section if reporting on multiple awards.		
10i	Total Recipient Share Required	Enter the total required recipient share for reporting period specified in line 9. The required recipient share should include all matching and cost sharing provided by recipients and third-party providers to meet the level required by the Federal agency. This amount should not include cost sharing and match amounts in excess of the amount required by the Federal agency (for example, cost overruns for which the recipient incurs additional expenses and, therefore, contributes a greater level of cost

FFR Number	Reporting Item	Instructions
		sharing or match than the level required by the Federal agency).
10j	Recipient Share of Expenditures	Enter the recipient share of actual cash disbursements or outlays (less any rebates, refunds, or other credits) including payments to subrecipients and contractors. This amount may include the value of allowable third party in-kind contributions and recipient share of program income used to finance the non-Federal share of the project or program. Note: On the final report this line should be equal to or greater than the amount of Line 10i.
10k	Remaining Recipient Share to be Provided (Line 10i Minus Line 10j)	Enter the amount of Line 10i minus Line 10j. If recipient share in Line 10j is greater than the required match amount in Line 10i, enter zero.
Program Income: Do not complete this section if reporting on multiple awards.		
10l	Total Federal Program Income Earned	Enter the amount of Federal program income earned. Do not report any program income here that is being allocated as part of the recipient's cost sharing amount included in Line 10j.
10m	Program Income Expended in Accordance With the Deduction Alternative	Enter the amount of program income that was used to reduce the Federal share of the total project costs.
10n	Program Income Expended in Accordance With the Addition Alternative	Enter the amount of program income that was added to funds committed to the total project costs and expended to further eligible project or program activities.
10o	Unexpended Program Income (Line 10l Minus Line 10m or Line 10n)	Enter the amount of Line 10l minus Line 10m or Line 10n. This amount equals the program income that has been earned but not expended, as of the reporting period end date.
11	Indirect Expense: Complete this information only if required by the awarding agency. Enter cumulative amounts from date of the inception of the award through the end date of the reporting period specified in line 9.	
11a	Type of Rate(s)	State whether indirect cost rate(s) is Provisional, Predetermined, Final, or Fixed.
11b	Rate	Enter the indirect cost rate(s) in effect during the reporting period.
11c	Period From; Period To	Enter the beginning and ending effective dates for the rate(s).
11d	Base	Enter the amount of the base against which the rate(s) was applied.
11e	Amount Charged	Enter the amount of indirect costs charged during the time period specified. (Multiply 11b. x 11d.)
11f	Federal Share	Enter the Federal share of the amount in 11e.
11g	Totals	Enter the totals for columns 11d, 11e, and 11f.
Remarks, Certification, and Agency Use Only		
12	Remarks	Enter any explanations or additional information required by the Federal sponsoring agency including excess cash as stated in line 10c.
13a	Typed or Printed Name and Title of Authorized Certifying Official	Enter the name and title of the authorized certifying official.
13b	Signature of Authorized Certifying Official	The authorized certifying official must sign here.
13c	Telephone (Area Code, Number and Extension)	Enter the telephone number (including area code and extension) of the individual listed in Line 13a.
13d	E-mail Address	Enter the e-mail address of the individual listed in Line 13a.

FFR Number	Reporting Item	Instructions
13e	Date Report Submitted (Month, Day, Year)	Enter the date the <i>FFR</i> is submitted to the Federal agency using the month, day, year format.
14	Agency Use Only	This section is reserved for Federal agency use.



Note: Form instructions and definitions will be created to support the report. Instructional guidance and training will be developed. Numbering to be updated based on final approved form.

RECIPIENT NAME:

Grant Control No.:
Expiration Date:

Middle Mile Grant Program Bi-Annual Performance Report				
A. GENERAL INFORMATION				
GENERAL	1a. Recipient Organization:	GANNETT	1b. Award Identification Number:	08-60-000001
	1c. Recipient Street Address:	8880 W 103RD St., Suite 118	1d. Report Date (MM/DD/YYYY):	10/30/2023
	1e. City, State, and Zip Code:	Overland Park, KS 66211	1f. Final Report:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	1g. Unique Entity Identification (UEI) Number:	000000000000000000	1h. Report Period Start Date (MM/DD/YYYY):	10/1/2023
	1i. Award Start Date (MM/DD/YYYY):	7/1/2023	1j. Report Period End Date (MM/DD/YYYY):	9/30/2023
	1k. Award End Date (MM/DD/YYYY):	6/30/2025		
1l. Name of Person Completing Report:		David Collier		
B. PROJECT NARRATIVE				
PROJECT NARRATIVE	Please use the section below to provide a project narrative of the project(s). This section aims to help reviewers better understand other projects being processed and steps taken to achieve this goal.			
	2a. A brief description of the recipient's organization and scope of work/program priorities:	GANNETT is a broadband provider which provides fiber connectivity in 33 states. The scope of this project is to build a middle mile from the northern part of Polk County, going west into Painesville, running through Daphnysville and Dade City, continuing to run north into Hernando County.		
	2b. An overview of the significant aspects and outcomes to be accomplished in the project:	GANNETT applied to build this middle mile with two goals in mind: increase middle mile offerings in the area to help drive down cost and increase connectivity options in the project area.		
	2c. How would the project meet the recipient's business and/or administrative need(s)?	GANNETT aims to be a broadband provider across the Central Florida region. GANNETT aims to have a robust, open access middle mile to help provide a multitude of broadband services including wholesale and last mile service. This project helps in in two current existing networks in Polk and Hernando counties, providing multiple connections along the way.		
2d. Provide an overview of key accomplishments achieved for this reporting period on the MM infrastructure project.		GANNETT commenced the project by signing the project agreement. GANNETT has also bid out our engineering and environmental work and made an award. The Subcontractor has begun their work and hopes to have the environmental wrapped up before the end of the year, allowing for construction to begin in Q3 of 2024.		
2e. Provide any roadblocks experienced during this reporting period impacting the expansion of the MM infrastructure project (i.e., supply chain, availability of labor).		At the moment, no road blocks have been experienced.		
2f. Provide any barriers to increasing job equity experienced during this reporting period.		No Barriers during this reporting period.		

INFRASTRUCTURE MILESTONE CATEGORIES AND PROJECT TIMELINE

Please use the chart below to provide the start date and end date of your project.

OVERALL PROJECT	PROJECT DURATION	4a. PROJECT START DATE	4b. PROJECT END DATE
	750	July 1, 2023	June 30, 2025

Please provide the duration for each milestone category of your project. The duration should be based on the start and end dates of each category. For example, if you expect to complete a particular milestone within two weeks, fill in the total days (14) in the duration field.

Please use the table provided to indicate your EXPECTED percentage of completion on a biannual basis for each year of your project. Year 1 begins with your award start date.

The percentage of completion should be based primarily on the expenditures of your project budget and should be reported cumulatively from award inception through the end of each semi-annual reporting period. For example, if you expect to complete a particular milestone within the first three periods of your project, the third period and all subsequent periods should state 100%.

Please enter "0" in the duration field if your project does not include an activity. If necessary, please insert additional milestones at the end.

ANTICIPATED PROJECT MILESTONES				Year 1 Baseline		Year 2 Baseline		Year 3 Baseline		Year 4 Baseline		Year 5 Baseline	
4a. MILESTONE CATEGORIES	4b. MILESTONE DURATION	4c. START DATE	4d. END DATE	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
Overall Project	750	1-1-23	6-30-25										
Environmental Assessment	173	1-1-23	30-Sep-23	100%	100%	100%	100%						
Network Design	183	1-1-23	30-Sep-23	100%	100%	100%	100%						
Rights Of Way	0												
Construction Permits And Other Approvals	183	1-1-24	30-Jun-24	0%	0%	100%	100%						
Site Preparation	100	1-1-23	30-1-23	0%	0%	100%	100%						
Equipment Procurement	90	1-1-24	31-12-24	0%	0%	100%	100%						
Network Build (all components - owned, leased, indefensible Rights of way, etc.)	288	1-1-24	30-Sep-25	0%	0%	0%	0%	100%	100%				
Equipment Deployment	90	1-1-24	30-Jun-25	0%	0%	0%	0%	100%	100%				
Network Testing	10	1-1-25	30-Jun-25	0%	0%	0%	0%	100%	100%				
Monitor Of Performance	0												
Other (please specify):	0												

Please use the table provided to indicate your ACTUAL percentage of completion on a biannual basis for each year of your project. Year 1 begins with your award start date.

The percentage of completion should be based primarily on the expenditures of your project budget and should be reported cumulatively from award inception through the end of each semi-annual reporting period. For example, if you expect to complete a particular milestone within the first three periods of your project, the third period and all subsequent periods should state 100%.

Please provide a brief description of the primary activities involved in meeting each milestone. A single description should be provided for each milestone, covering all periods in years one through five. Please enter "N/A" if your project does not include an activity. If necessary, please insert additional milestones at the bottom of the chart. Please add additional milestones as applicable.

ACTUAL PROJECT MILESTONES		Year 1		Year 2		Year 3		Year 4		Year 5	
4a. MILESTONE	4b. DESCRIPTION	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
Overall Project		Actual Milestone Completion (Cumulative)									
Environmental Assessment	NTPA Study	0%									
Network Design	Route Engineering	100%									
Rights Of Way											
Construction Permits And Other Approvals	County/POD/OTIS Attachment	0%									
Site Preparation	Locate/Service Traffic Control	0%									
Equipment Procurement	Router/Network Acquisition	0%									
Network Build (all components - owned, leased, indefensible Rights of way, etc.)	US/Arnet Construction, Cable placement/upgrade	0%									
Equipment Deployment		0%									
Network Testing		0%									
Monitor Of Performance		0%									
Other (please specify):		0%									

5. CLIMATE RESILIENCE

Resiliency must demonstrate that they have sufficiently assessed for current and future weather and climate related risks to new TIFIT infrastructure projects. In present, weather and climate related risks to broadband networks include wildfires, extreme heat and cold, inland and coastal flooding, and the extreme winds produced by weather events such as tornadoes, hurricanes, and other weather events. Because resiliency and new infrastructure for broadband might be expected to have a lifetime of 20 years or more, resiliency must account not only for current risks but also for how the frequency, severity, and nature of these extreme events may (likely) evolve as our climate continues to change over this coming decades.

Climate Resiliency Risk Mitigation

The purpose of this section is for the resiliency to demonstrate that they have sufficiently assessed for current and future weather and climate-related risks to new TIFIT infrastructure projects. In particular, each resiliency should demonstrate how they've addressed the known and identifiable risks of current and future projected weather and climate conditions through measures such as (but not limited to) choice of a technology platform suitable to the climate risk of the region, reliance on alternative siting of facilities (i.e., underground construction where appropriate), reinforcing or hardening of existing assets, and use of network redundancy to mitigate against choices in infrastructure.

Are there any geographic areas identified for this reporting period subject to an initial and/or updated hazard screening for future weather and climate-related risk? If so, please provide the date of this screening and provide related documentation as an attachment to this report.

IA	IB Climate Resilience Category	IC Date of Most Recent Hazard Screening	ID Name and Title of Representative Completing Most Recent Hazard Screening	IE Date of Report Completion
N/A		N/A	N/A	N/A

Identified Risk: For your TIFIT project, what are the potential weather and climate hazards that may be most important to be addressed that could impact the resiliency of the middle mile infrastructure deployed (i.e., wildfires, extreme heat and cold, inland and coastal flooding, extreme winds, tornadoes, hurricanes and other weather events)?

As with all of Florida, due to the projected increase in temperature and climate trends over the next 25 years (until at 2022), the most expected issue for Florida counties, towns, cities, and Feds is a general increase in temperatures resulting in greater numbers of extreme heat days. These issues will exacerbate the drought potential for a region which already experiences some degree of drought each decade. At the same time, it will create more

Weather and Climate Hazards: Have any significant climate or weather hazards experienced during this reporting period (i.e., floods, tornadoes, impacting infrastructure buildout or service)? Briefly describe how you monitored for weather and climate caused issues for the reliability of the system. If so, please provide the date of the disaster, location and backup documentation related (i.e., news articles).

No climate or weather hazards experienced.

Risks to Deployment of New Infrastructure: Has the team identified any risks impacting the deployment of new or repaired infrastructure due to current and future weather and climate-related threats during this reporting period?

N/A

Risk Mitigation: How will this project avoid and/or mitigate the risk identified? If not applicable, please explain why.

This project will mitigate and adapt to the risks of climate change in multiple ways. For this application, the NTIA State Climate Summaries, NOAA Resilient maps and professional studies on climate change and ecological issues along the route were used.

The overall length of this project is approximately 100,000 feet, or 1.9 miles. The preliminary routing of this project is within three Florida Counties which are: Hernando, Pasco, and Polk. The majority of the route will be in 2027 nationalities but there will also be some sections that will fall within County roads with the potential of occasional city roads utilized based on the final routing of the project.

According to the NTIA state climate summaries, Florida has over an increase in average temperature of 36° since the beginning of the 20th century. Increased warming will result in ground water evaporating much faster, increasing regional droughts (until at 2022). This has in turn caused an increase in destructive wildfires that are not historically common in the region. Flooding is also a climate factor that is projected to get worse, as storms and hurricanes during large amounts of water cause flooding in the climate, across NOAA Storm Events Database, 2022. The project will avoid routes of higher-risk locations of projected wildfires with areas around water bodies and areas of concern. This will include the water infrastructure from heat, wildfires, floods, and increased hurricanes and storm activity.

Additional Information: Is there any additional information you would like to share during this reporting period that the grant team should be aware of regarding the management of sustainable climate solutions for your TIFIT project?

We continue to move forward with applying for an evaluation, as recommended by NTIA due to us building on areas that have already been discussed. We anticipate having all the necessary documents for NTIA review in a matter of weeks.

Additional Resources

Has the team utilized the available resources to assist with mitigation and long-term planning efforts for this reporting period? If so, which resources?

2022 National Climate Assessment

NTIA's 2022 State Climate Summaries

NOAA Disaster and Risk Mapping Tool

NOAA Storm Events Database

NOAA Climate Explorer and Digital Coast

NTIA National Risk Index

Completed NTIA-approved Hazard Mitigation Plans prepared by states in which they propose to build middle mile infrastructure to help identify key risk and hazards

We have used the NTIA State climate summary and the NTIA National risk index along with plans prepared by the State of Florida.

5. Workforce																								
1. PAYEE INFORMATION	For projects receiving over \$5,000,000 (based on requested total cost), as determined by the U.S. Secretary of Labor to subchapter 17 of chapter 83 of title 40, United States Code (commonly known as the "Davis-Bacon Act"), all laborers and mechanics employed by contractors and subcontractors in the performance of such project are paid wages at rates not less than those prevailing.																							
	2. Davis-Bacon Act Certification																							
3a. Does the recipient have access to the information requested (all laborers and mechanics employed by contractors and subcontractors in the performance of such project are paid wages at rates not less than those prevailing)?																								
3b. Davis-Bacon Act Certification																								
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B. BROADBAND ACCESS KEY INDICATOR: SUBSCRIBERS AND SPEED												
PROMOTED NUMBER OF SUBSCRIBERS AND SPEED	Please use the following table to provide anticipated key indicators with the projected trends for each beneficiary category, access type and speed category for your infrastructure service or project. Except as indicated, information should be reported cumulatively from award inception through the end of the semi-annual period for Semi-Annual indicators. Please write "N/A" if your project does not include this indicator.											
	Sub/Category Type	PROMOTED NUMBER OF SUBSCRIBERS AND SPEED	Year 1		Year 2		Year 3		Year 4		Year 5	
			Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
	13a. Anchor Institutions (AI)	13a-1. Total number of AI's passed	0									
		13a-2. Number of AI's within 1,000 feet of the middle mile infrastructure	0									
		13a-3. Total number of AI's served	0									
		13a-4. AI's with new access	0									
		13a-5. AI's with improved access	0									
		13a-6. Total number of AI's served with speeds of at least 1/10 Mbps	0									
	13b. Broadband Wholesalers or Last Mile Providers	13b-1. Total number of broadband wholesalers or last mile providers served	0									
		13b-2. Broadband wholesalers or last mile providers with new access	0									
		13b-3. Broadband wholesalers or last mile providers with improved access	0									
		13b-4. Total number of broadband wholesalers or last mile providers offering speeds of at least 10/1 Mbps	0									
		13b-5. Total number of broadband wholesalers or last mile providers offering speeds of at least 100/20 Mbps	0									
		13b-6. Total number of broadband wholesalers or last mile providers offering speeds of at least 1/1 Mbps	0									
C. BROADBAND ACCESS KEY INDICATOR: NETWORK BUILD PROGRESS												
NETWORK BUILD PROGRESS	Please use the following table to provide anticipated key indicators and progress of your infrastructure project. Except as indicated, information should be reported cumulatively from award inception through the end of the semi-annual period. Please write "N/A" if your project does not include this indicator.											
	KEY INDICATOR	Year 1		Year 2		Year 3		Year 4		Year 5		
		Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	
	14a. Total of new fiber miles (aerial or buried)	0										
	14b. Total of fiber miles leased	0										
	14c. Total of existing fiber miles upgraded	N/A										
	14d. Total of new microwave links	N/A										
	14e. Total of new towers	N/A										
	14f. Total of new interconnection points	0										
	14g. Total of signed agreements with broadband wholesalers or last mile providers	0										
	14h. Total of potential agreements (i.e., agreements currently being negotiated) with broadband wholesalers or last mile providers (This Total should NOT be reported cumulatively)	0										
	D. QUANTIFIABLE METRICS											
	PROMOTED QUANTIFIABLE	Quantifiable Metrics - Section designed to assist with reporting and audit purposes to quantify how much progress was made and track the location of where the progress was made.										
		15a. Fiber Optic Demand										
		15a-1. Is the fiber a buried/aerial or undersea application?	0									
15a-2. Number of strands deployed		0										
15a-3. Number of miles of buried fiber deployed		0										
15a-4. Number of miles of aerial fiber deployed		0										
15a-5. Estimated capacity of fiber (i.e., throughput)		Other										
15a-6. Deployment cost per mile of buried fiber optics		0										
15a-7. Deployment cost per mile of aerial fiber optics		0										
15a-8. Total Spent on Buried Fiber Deployment this reporting period		0										
15a-9. Total Spent on Aerial Fiber Deployment this reporting period		0										
15a-10. Total Spent on Fiber Deployment this reporting period		0										
15a-11. Please provide any additional information about the Fiber Optic deployment (200 words or less)												
15a-12. Please provide the digital mappings (e.g., CAD, Revit, GIS) for the microwave nodes created during this reporting period.												

National Telecommunications and Information Administration (NTIA)
Middle Mile Grant Program
Bi-Annual Performance Report

17b. Microwave Band		Year 1		Year 2		Year 3		Year 4		Year 5	
		Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
MICROWAVE BAND	17b-1. How many microwave nodes have been deployed?	N/A									
	17b-2. How many microwave nodes are operating for reporting period?	N/A									
	17b-3. Installation cost per microwave node	N/A									
	17b-4. Number of new towers built to support microwave structure	N/A									
	17b-5. If applicable, what type of tower was constructed: (a) Monopole (b) Self-Support, or (c) Guyed during this reporting period?	N/A									
	17b-6. Average cost per tower installed	N/A									
	17b-7. Total spend on tower deployment this reporting period	N/A									
	17b-8. Total spend on microwave deployment this reporting period	N/A									
	17b-9. If you answered "other" to question 17b-5 or if it is a combination of multiple types, please provide a detailed narrative description detailing what type of tower or other combination of towers is used for the project and the total associated costs. (200 words or less).										
	17b-10. Please provide the digital mappings (e.g., GIS, Neils, VRS, VRS) for each new aerial fiber and buried fiber equipment installed during this reporting period. N/A										
17c. Satellite		Year 1		Year 2		Year 3		Year 4		Year 5	
		Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
SATELLITE	17c-1. What satellite provider is being used?	N/A									
	17c-2. What is the estimated capacity of the satellite link (i.e., throughput)?	N/A									
	17c-3. What is the associated cost to use this satellite service?	N/A									
	17c-4. Please provide any additional information about the Satellite deployment (200 words or less)										
17c-5. Please provide the digital mappings (e.g., GIS, Neils, VRS, VRS) for each new aerial fiber and buried fiber equipment installed during this reporting period.											
17c-6. Please provide the digital mappings (e.g., GIS, Neils, VRS, VRS) for each new aerial fiber and buried fiber equipment installed during this reporting period.											
COMPLIANCE	18. Please provide certification evidencing compliance with federal labor and employment laws along with the requirements of infrastructure investment and jobs act and federal 5G Spectrum Program, for this biannual period for which this report is being filed.										
	No labor or employment laws were applicable during this reporting period.										
	19. Please provide certification evidencing compliance with the Build America, Buy America Act, The Build America, Buy America Act requires that all of the iron, steel, manufactured products (including but not limited to fiberoptic communications facilities), and operation materials used in the project or other eligible activities are produced in the United States unless a waiver is granted.										
	No equipment was brought during this pay period.										
CONTACT INFORMATION	20. I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.										
	20a. Typed or Printed Name and Title of Authorized Certifying Official					20b. Telephone (area code, number and extension)		20c. FAX (area code, number and extension)			
	David Surfer, Director of Business Development							20d. Email Address: david.surfer@usmraa.com			
	20e. Signature of Certifying Official					20f. Date		20g. Date			

Budget Narrative for WANRack Middle Mile Grant (MMG) Florida Project Polk-Hernando

Total Federal Funding for MMG Project

The total cost for the Middle Mile Project will be \$5,738,951.17, with contingencies built into the price. Of this, WANRack will be covering 51%, which leaves the remaining 49% of federal assistance requested at \$2,812,086.07. WANRack will be covering its 51% of the cost with cash. This leaves WANRack's cash match at \$2,926,865.10. This project will take two years to construct, beginning on July 1st of 2023 and concluding on June 30th of 2025.

WANRack has the financial wherewithal to complete any and all obligations of grants awarded to the company. The company has a robust Credit Agreement with [REDACTED] (per the attached letter) with a [REDACTED]. As an alternative, given the cost of borrowed funds, the company may decide to fund the projects with [REDACTED] from our owner [REDACTED]. In either scenario, the company has excess capacity to complete any project.

WANRack conducted market study of actual on- and near-net annual commercial telecom spend along the proposed middle-mile route using [REDACTED] software. Full financial modeling of anticipated market growth, churn, inflation, and incremental operational and organizational spend was conducted to estimate financial returns over a [REDACTED] period using regionally-specific market fair share estimates. The business case takes into account annual repairs, maintenance, property tax, customer acquisition and installs, and other operating costs based on actual WANRack historical costs, in addition to a net-add of sales staff to address the market. The resulting business case produces positive cash flows by year [REDACTED] and return rates meet internal criteria for investment viability, taking into account costs of capital.

1. Administrative and Legal expenses

WANRack does not anticipate any legal expenses at this time. WANRack has in house counsel and given our familiarity with the market, we feel confident that we can handle this expense, in house, at no charge.

2. Land, structures, rights-of-way, appraisals, etc.

WANRack does not anticipate any rights of way expenses or payments for this project. WANRack is very familiar with the governing entities having built here previously and we are confident in our ability to gain access.

3. Relocation expenses and payments

WANRack does not anticipate any relocation expenses or payments for this project.

4. Architectural and engineering fees

WANRack will be conducting underground engineering in order to conduct our project completely underground to avoid some of the climate related challenges in the area. WANRack was quoted a cost of [REDACTED], at [REDACTED] feet, which brings the total cost to [REDACTED].

Description	Unit Basis	Unit Cost	Number of Units	Total Cost
Underground engineering	Foot	[REDACTED]	[REDACTED]	[REDACTED]

5. Other architectural and engineering fees

WANRack does not anticipate any other fees associated with architectural or engineering needs.

6. Project Inspection fees

WANRack anticipates two expenses related to site work. The first is a construction inspector. This will be at the cost of [REDACTED] for [REDACTED] hours bringing it to a total cost of [REDACTED]. This is for field inspection costs based on 20 hours per week, 52 weeks.

Description	Unit Basis	Unit Cost	Number of Units	Total Cost
Construction Inspector	Hour	[REDACTED]	[REDACTED]	[REDACTED]

7. Site work

WANRack anticipates one expense for site work. This is a Project Management cost of [REDACTED]/hr for [REDACTED] hours bringing it to a cost of [REDACTED]. This is for Project management costs based on 20 hours per week, 52 weeks.

Description	Unit Basis	Unit Cost	Number of Units	Total Cost
Project Management	Hour	[REDACTED]	[REDACTED]	[REDACTED]

8. Demolition and removal

WANRack does not anticipate any demolition or removal expenses.

9. Construction

For construction, WANRack will be boring [REDACTED] feet at a cost of [REDACTED] foot. The cost is to directional Bore 1x 2 inch conduit for the footage cited. This project will require a plow to be used for [REDACTED] feet worth at a rate of [REDACTED] a foot. A handhole must be installed every [REDACTED] feet for slack and splice points across the entire route. Every handhole installed would cost [REDACTED] for a total of [REDACTED]. It costs [REDACTED] to pull fiber into the conduit per foot, so that is a sum of [REDACTED]. It also costs WANRack a [REDACTED] foot to provide traffic control during construction, for the same cost of [REDACTED]. Fiber splicing is required. Reel lengths are [REDACTED] ft and will require splicing at vault location with slack and waste it will require splices there are [REDACTED] splices at each splice point. This total cost will be [REDACTED]. Splicing Prep will be required. There are going to be [REDACTED] optic cable tails at each splice point that will require a cable prep charge to install the splice case and prep the cables. The total cost will be [REDACTED]. Lastly, once all fiber cables are spliced we will have to test each fiber with a OTDR to ensure fiber losses meets manufacturing standards. Total cost of that will be [REDACTED].

Description	Unit Basis	Unit Cost	Number of Units	Total Cost
Boring	Foot	[REDACTED]	[REDACTED]	[REDACTED]
plow	Foot	[REDACTED]	[REDACTED]	[REDACTED]
Handhole install-large 24x36x24	Item	[REDACTED]	[REDACTED]	[REDACTED]
Fiber Pull in Conduit	Foot	[REDACTED]	[REDACTED]	[REDACTED]
Traffic Control	Foot	[REDACTED]	[REDACTED]	[REDACTED]
Fiber Splicing	Item	[REDACTED]	[REDACTED]	[REDACTED]
Splicing prep	Item	[REDACTED]	[REDACTED]	[REDACTED]
Fiber Testing	Item	[REDACTED]	[REDACTED]	[REDACTED]

10. Equipment

The Conduit needed to protect the fiber will be 2' and will cost [REDACTED] per conduit and will require [REDACTED] for the project. Total cost will be [REDACTED]. Handhole Vault to place storage / splice case / accesses underground fiber cable runs [REDACTED] each and will require [REDACTED] for a total of [REDACTED]. Fiber optic splice enclosure to store, splice and access fibers in the cable is required of which [REDACTED] cases will be used for a total of [REDACTED]. Fiber cables of [REDACTED] count cost [REDACTED] a foot for a total of [REDACTED]. Equipment Cabinet to house fiber optic equipment is [REDACTED] each and [REDACTED] are required for a total of [REDACTED]. DC Rectifier to power fiber optic equipment are required for a total of [REDACTED]. Backup batteries for power redundancy are required for a total of [REDACTED]. Network equipment is required to be able to light up the network. That runs a total of [REDACTED]. Concrete pads will cost [REDACTED]. Lastly, Electrical service installation will cost a total of [REDACTED].

Description	Unit Basis	Unit Cost	Number of Units	Total Cost
2" HDPE Conduit Dura-Line	Foot	[REDACTED]	[REDACTED]	[REDACTED]
Handhole - large 30x48x36 Old Castle	Item	[REDACTED]	[REDACTED]	[REDACTED]
Fiber Splice Case TYCO 450	Item	[REDACTED]	[REDACTED]	[REDACTED]
Fiber Cable 432 ct Comscope	Foot	[REDACTED]	[REDACTED]	[REDACTED]
Equipment Cabinet	Item	[REDACTED]	[REDACTED]	[REDACTED]
DC Rectifier	Item	[REDACTED]	[REDACTED]	[REDACTED]
Backup Batteries	Item	[REDACTED]	[REDACTED]	[REDACTED]
Network Equipment (Nokia)	Item	[REDACTED]	[REDACTED]	[REDACTED]
Concrete Pad	Item	[REDACTED]	[REDACTED]	[REDACTED]
Electrical Service Installation	Item	[REDACTED]	[REDACTED]	[REDACTED]

11. Total Equipment

WANRack does not anticipate any costs associated with equipment.

12. Subtotal

The subtotal cost is [REDACTED]

13. Contingencies

Due to rising cost of labor and materials due to inflation and continued challenges in the broadband supply chain, we are going to request a 6% contingency on the total project cost. The breakdown is as follows:

Description	Unit Basis	Unit Cost	Number of Units	Total Cost
Labor Contingency	Other	[REDACTED]	1	[REDACTED]
Material Contingency	Other	[REDACTED]	1	[REDACTED]

14. Subtotal

The subtotal cost is [REDACTED]

15. Project Income

WANRack does not anticipate any project income during the grant period.

16. Project Total

The subtotal cost is [REDACTED]

NETWORK LOGICAL DIAGRAM



Application for Federal Assistance SF-424

* 1. Type of Submission:

☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

04-05-2023

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

WANRack, LLC

* b. Employer Taxpayer:

Identification Number (EIN/TIN):

* c. UEI:

d. Address:

* Street1:

4550 W. 109th St

* Street2:

Suite 115

* City:

Overland Park

* County/Parish:

KS

* State:

Kansas

* Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

66211-1305

e. Organizational Unit:

* Department Name:

* Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

* Prefix:

Mr.

* First Name:

David

* Middle Name:

* Last Name:

Soffer

* Suffix:

* Title:

Director of Business Development

* Organizational Affiliation:

* Telephone Number:

8554827225

* Fax Number:

* Email:

david.soffer@wanrack.com

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

Q: For-Profit Organization (Other than Small Business)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

US Department of Commerce (DOC)

11. Catalog of Federal Domestic Assistance Number:

11.033

CFDA Title:

Middle Mile Grant Program

* 12. Funding Opportunity Number:

NTIA-MMG-2022

* Title:

Middle Mile Grant Program

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

WANRack-mm-FL2

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant **KS-03*** b. Program/Project **FL-12**

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:* a. Start Date: **07-01-2023*** b. End Date: **06-30-2025****18. Estimated Funding (\$):*** a. Federal **2,812,086.07*** b. Applicant **2,926,865.1*** c. State **0*** d. Local **0*** e. Other **0*** f. Program Income **0*** g. TOTAL **5,738,951.17***** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**☐ a. This application was made available to the State under the Executive Order 12372 Process for review on☒ b. Program is subject to E.O. 12372 but has not been selected by the State for review.☐ c. Program is not covered by E.O. 12372.*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:Prefix: **Mr.*** First Name: **David**

Middle Name:

* Last Name: **Soffer**

Suffix:

* Title: **Director of Business Development*** Telephone Number: **8554827225**

Fax Number:

* Email: **david.soffer@wanrack.com*** Signature of Authorized Representative: **David Soffer*** Date Signed: **04-05-2023**

Grant Request Number	GRN-001553
Funding Program Name	Middle Mile Broadband Infrastructure Grant Program
Funding Request Name	WANRack - Middle Mile - GRN-001553
Applying Organization	WANRack, LLC
Applicant Name	David Soffer

Primary Applicant Type

Identify the primary applicant type:

Single Entity

— — —

Primary Entity Type

Type of entity: Primary entity type, (A) a State, political subdivision of a State, Tribal government, technology company, electric utility, utility cooperative, public utility district, telecommunications company, telecommunications cooperative, nonprofit foundation, nonprofit corporation, nonprofit institution, nonprofit association, regional planning council, Native entity, or economic development authority; or (B) a partnership of two (2) or more entities described in (A).

What is the primary applicant's entity type?

Telecommunications Company

— — —

Is parent/owner of applicant a foreign entity?

No

— — —

Managerial Capability

Applicants shall submit to the Assistant Secretary one-page resumes for (a) all key management personnel and (b) all key personnel of subcontractors or other entities that will play substantial roles in building, managing, or operating the middle mile network built using Middle Mile Grant (MMG) Program funding.

[REDACTED]

— — —

Managerial Capability

Applicants shall submit to the Assistant Secretary one-page resumes for (a) all key management personnel and (b) all key personnel of subcontractors or other entities that will play substantial roles in building, managing, or operating the middle mile network built using Middle Mile Grant (MMG) Program funding.

[REDACTED]

Managerial Capability

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[REDACTED]

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[REDACTED]

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[REDACTED]

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in building, managing, or operating the middle mile network built using Middle Mile Grant (MMG) Program funding.

[REDACTED]

Organizational Charts

Each applicant shall submit any necessary organizational chart(s) detailing all of its parent companies, subsidiaries, and affiliates.

This upload section should also be used for any letters of support from the organizations that will be involved in the project as a community stakeholder.

[REDACTED]

Organizational Details

Each applicant must also provide a narrative describing the applicant's readiness to manage a middle mile broadband network. This narrative should describe the experience and qualifications of key management set to undertake this project, the applicant's experience undertaking projects of similar size and scope, recent and upcoming organizational changes including mergers and acquisitions, relevant organizational policies, and ownership information consistent with 47 CFR § 1.2112.

This narrative shall denote who will own the assets at the end of award period. This response is limited to 6000 characters as an open field narrative.

Since 2013, WANRack has built, owned and operated over 60 middle mile networks across 23 states. WANRack's executive management team has more than 200 years of combined experience in the telecommunications industry with a history of successful completion of large and complex fiber-optic construction projects for school districts, counties, municipalities, wireless carriers, and private enterprises. The executive management team has sold and installed over 232 fiber private and open access networks in 23 states. WANRack is regulated by Public Service Commissions of each state in which we operate. In Florida, WANRack has built middle miles in Polk and Hernando counties, and we are currently WAN providers for the school district in Polk and Hernando counties. WANRack has spent years focusing on connecting anchor institutions and is perfectly positioned to take on this project and provide an open access network to get all anchor institutions connected and help deliver last mile providers to the area.

WANRack's culture and philosophy is built around partnering with local governments and anchor institutions. The mission with every network that WANRack builds is making sure the community is involved from beginning to end. One perfect example of the network that mirrors the one proposed, is one completed a year ago for Taylor County, Wisconsin. The network provides open access, with two providers currently leasing fibers to provide last mile service, while the community was engaged in the build from beginning to end. Partnership is integral to the WANRack model and an area that is often forgotten about.

[REDACTED]

[REDACTED]

Form CD-511 (Certification Regarding Lobbying)

The applicant must upload a completed form that certifies that Federal funds have not and will not be used for lobbying in connection with this request for Federal financial assistance. A fillable Form CD-511 can be found in the MMG ZIP folder.

0284_001-10-31-2022 08-43-WANRack, LLC-GRN-001553.pdf, Document (7)-11-16-2022 05-17-WANRack, LLC-GRN-001553.pdf

SAM.gov Registration

Applicants are asked to upload a screenshot of their SAM.gov registration.

[REDACTED]

Executive Summary

Please describe how the applicant's proposal will advance the objectives of the MMG Program, as well as the specific objectives of outlined in the Notice of Funding Opportunity (NOFO);

An overview of the proposed route or service area(s), including information regarding rurality and socio-economic indicators in the area to be served by the proposed project.

This response is limited to 12000 characters as an open field narrative.

WANRack is proposing building an open access middle mile from north of Lakeland, FL going through Pasco and Zephyrhills/Dade City and then continuing north on Rt 98 into Hernando County. This route was chosen because of the consistent need for additional connectivity options (currently only Comcast is a provider and does not reach 20 upload speed across most of the route) along the entire route, along with a more affordable option for these communities (average terrestrial connection along the middle mile route is \$77.00). The FCC does list Verizon as a fiber provider, but currently does not provide services outside of business last mile, hence the high cost in residential service.

The total cost of this buildout will be \$5,414,104.88. WANRack will be covering 51% of the cost to build this network. Ultimately WANRack will own and operate the asset. WANRack provided an aggressive timeline of 18 months to completion, but for application purposes, WANRack will commit to 24 months, which is what WANRack is proud to guarantee. By year five, you begin to see a profit, with the first two and a half years (using a calendar year accounting system) committed to building the network. From an economic standpoint, there is no Florida region in greater need of connectivity and investment than Central Florida. Along the route designed by WANRack for this middle mile, the per capita income level, is at 77% of the national average. Polk and Hernando counties are above average in the 24-month unemployment outlook. The counties have seen a total of 18% of the population, which contributes to the need for additional broadband opportunities. In conversations with local leaders and the Florida Broadband Office, it is clear the region has been impacted by not being able to get more providers, which has harmed economic development and other key efforts.

WANRack has already built in Polk and Hernando counties. WANRack built WANs for both school districts, so WANRack is quite familiar with the environmental and geographical challenges of building in the region. WANRack specializes in network engineering and planning to make sure our networks are ready for the future climate challenges facing Florida, specifically on the hurricane front.

WANRack has had intimate discussion with each county as part of this project. Polk County, where WANRack has provided service to the school district and is still currently their WAN provider. While the County directed its team to apply for its own project without committing to a provider, they support our efforts to apply for this grant application. These applications perfectly compliment each other and the needs for the County. WANRack also met with Hernando County, who just launched a broadband task force last month. Hernando is supportive of our efforts and what it can yield the community and has provided a letter of support. Lastly, we also met with Pasco County as well. Pasco is desperately seeking additional broadband providers, as they are currently stuck with one cable provider and no additional middle mile providers. Unfortunately to date the letter still has not arrived, but we certainly encourage the NTIA to reach out to the County, which has announced support of our efforts.

By funding this, you would be perfectly setting up Polk, Pasco and Hernando Counties to expand last mile service in the near future. This would help get critical infrastructure to areas which are in dire need of assistance to help push and promote the expansion. While it is WANRack's goal to ultimately provide last mile service to all three counties, WANRack as part of this application is committing to provide wholesale broadband service at reasonable rates on a non-discriminatory basis. WANRack, a middle mile specialist with middle miles in twenty-three states, specializes in this model and look forward to adding additional miles of middle mile access in Florida.

Overall, this project is focused on the principles for why IJA was created and why the middle mile

program was funded.

Level of Need

A description of the level of need in the proposed service area(s), including but not limited to communities considered unserved and/or underserved in the proposed service area(s), discussion of the competitive landscape in the area, variations among service areas if there are any, or the general economic conditions in the proposed funded service area.

This response is limited to 12000 characters as an open field narrative.

The proposed WANRack Pasco/Hernando County Middle Mile Project will provide vital fiber network infrastructure within Pasco and Hernando Counties in central Florida.

According to U.S. Census Bureau QuickFacts, the poverty rate in Pasco and Hernando Counties are 11.6% and 12.0%, respectively. Florida's poverty rate is 13.1%. According to County Health Rankings & Roadmaps, the percentage of children eligible for free or reduced lunches in Pasco County is 54% and Hernando County is 53%. The state average is 54% for Florida. Based on U.S. Census Bureau data, the average median household income in Pasco County is \$58,084. Hernando County's median household income is \$53,301 while the state of Florida's median household income is \$61,777. The median household income in the United States is \$69,021 with a poverty rate of approximately 11.6%.

Based on these statistics from the U.S. Census Bureau, the average poverty rate in the project area is right in line with that of Florida, as well as that of the U.S. However, the median household income is lower than the averages at both of the state and national levels. Hernando County's median household income is \$53,301, nearly \$16,000 lower than the U.S. average. Pasco County's median household income is \$58,084, approximately \$11,000 lower than the U.S. and \$3,000 lower than Florida. The percentage of children eligible for free or reduced lunches is in line with that of the state of Florida.

As is evident from the above statistics, the poverty levels and percentage of children eligible for free and reduced lunches in the project area are both in line with the state of Florida. However, the median household income levels are lower than both the state and national levels. In order to promote economic development and improve opportunities and quality of life for citizens and communities in these areas, substantial investment is needed to deploy additional middle mile infrastructure. The higher cost of construction in wet, inner coastal terrain presents unique deployment challenges and economic pressures. This grant will help WANRack meet these challenges and extend its existing middle mile infrastructure.

This route was chosen because of the consistent need for additional connectivity options (currently only Comcast is a provider and does not reach 20 upload speed across most of the route) along the

entire route, along with a more affordable option for these communities (average terrestrial connection along the middle mile route is \$77.00). The FCC form 477 does list Verizon as a fiber provider, but currently does not provide services outside of business last mile, hence the high cost in residential service. There are other fiber providers on the route such as UNIFI, but none currently offer any middle mile access, let alone last mile. Most of the area is considered underserved with small pockets of unserved. The FCC form is incorrect as Verizon does not provide last mile service in Zephrrhills and should not be considered for this application as a provider, as Pasco County officials are still adamant about getting additional providers to the East side of the county. Ookla testing confirms that a vast majority of the area is not seeing upload speeds above 20. Between the lack of options and majority of the area being considered underserved with pockets of unserved, it is critical we provide more access via an open access middle mile.

Breaking it down, according to the Broadband data by the FCC (Form 477) and reinforced by data, we found 8,601 passings that are considered unserved or underserved. Broken down even further, it is 3,363 unserved and 5,238 underserved. This does not include areas we would consider in dispute based on speed testing that shows a significant difference between data on 477 vs what Ookla and MLAB state.

The WANRack Middle Mile Project encompasses primarily served and underserved areas in rural Florida as well as small pockets of unserved areas. While a good portion of the middle mile infrastructure route passes through areas considered as served or underserved by last mile broadband, based upon current broadband availability maps, the proposed project will provide the ability to deploy last mile broadband to unserved areas throughout rural central Florida. The infrastructure proposed by WANRack will allow for more reliable and more affordable services, by providing redundancy and capacity to area providers at reasonable rates, driving down middle mile costs, and ultimately end user broadband prices.

Funding for middle mile infrastructure can bring substantial benefits to previously unserved locations, including improved access to high-speed broadband and increased economic opportunities. The WANRack Middle Mile Project will enable connections for local ISP's to ultimately provide area businesses and residents access to quality broadband services.

Access to high-speed, reliable broadband services will allow residents to benefit from online education, telemedicine, and remote work opportunities. Funding for this middle mile fiber infrastructure project plays a crucial role in closing the digital divide and promoting equitable access to the benefits of quality broadband services for these rural communities.

Please see attached map we emailed NTIA in January for further detail.

State Collaboration Acknowledgement

NTIA strongly encourages prospective non-state applicants to coordinate and consult with the State Broadband Office or other coordinating body located in the jurisdiction in which the eligible entity

proposes to deploy middle mile infrastructure to ensure that the proposal is consistent with the state's broadband plan and priorities. Please confirm collaboration and consultation.

Do you confirm collaboration and consultation with the appropriate organization?

Yes

— — —

State and Local Collaboration Narrative

Please provide information on the applicant's coordination with applicable State, Territory, Tribal, and local governments, including their awareness of the proposed project and any potential impact to respective service areas; and

Information regarding the applicant's involvement and coordination with community organizations or other relevant partners in the proposed service area.

This response is limited to 6000 characters as an open field narrative.

WANRack has had intimate discussion with each county as part of this project. The Florida Broadband Office was supportive of the efforts and was helpful in arranging with some of the meetings, while WANRack was able to discuss plans with Polk and Hernando, due to a pre-existing relationship. Polk County, where WANRack has provided service to the school district and is still currently their WAN provider. While the County directed its team to apply for its own project without committing to a provider, they support our efforts to apply for this grant application. These applications perfectly compliment each other and the needs for the County. WANRack also met with Hernando County, who just launched a broadband task force last month. Hernando is supportive of our efforts and what it can yield the community and has provided a letter of support. Lastly, we also met with Pasco County as well. Pasco is desperately seeking additional broadband providers, as they are currently stuck with one cable provider and no additional middle mile providers. Unfortunately to date the letter still has not arrived, but we certainly encourage the NTIA to reach out to the County, which has announced support of our efforts.

— — —

Will the project connect middle mile infrastructure to last mile networks that provide or plan to provide broadband service to households in unserved areas?

No

— — —

Is the project connecting non-contiguous trust lands?

No

— — —

Do you commit to offering wholesale broadband service at reasonable rates on a carrier-neutral basis?

Yes

— — —

The eligible entity adopts fiscally sustainable middle mile strategies. This strategy should be described in the Budget Narrative.

Do you attest to this?

Yes

— — —

The eligible entity commits to offering non-discriminatory interconnect to terrestrial and wireless last mile broadband providers and any other party making a bona fide request. This policy will be described in the Interconnect Policy.

Do you attest to this?

Yes

— — —

The eligible entity identifies specific terrestrial and wireless last mile broadband providers that have(i) expressed written interest in interconnecting with middle mile infrastructure planned to be deployed by the eligible entity; and ii) demonstrated sustainable business plans or adequate funding sources with respect to such interconnection. This may be demonstrated in the Level of Need narrative of the Exec Summary.

Do you attest to this?

No

— — —

The eligible entity has identified supplemental investments or in-kind support (such as waived franchise or permitting fees) that will accelerate the completion of the planned project. Such acceleration may be described in the Project Timeline narrative.

Do you attest to this?

No

— — —

The eligible entity has demonstrated that the middle mile infrastructure will benefit national security interests of the United States and the Department of Defense. The benefits may be explained in the Benefitting National Security Interests Narrative.

Do you attest to this?

No

Project

Duration

Number of Years

2

Project Timeline Narrative

The narrative requires the Applicant to describe a project with critical path, including key milestones for implementation of the project, preparations, and risk factors; and a capital investment schedule evidencing that the applicant will complete build-out and the initiation of service within five years of the date on which the entity receives the grant and will meet interim buildout requirements set forth herein and in any other binding document.

If the project is able to be accelerated with supplemental investments or in-kind support to meet a statutory purpose, this should be explained.

This response is limited to 6000 characters as an open field narrative.

WANRack plans to kick the project off in July. Immediately WANRack is focused on gaining access to the rights of way. This will be done within 45 days. While this is going on, WANRack will be working internally to do a detailed project review, make sure each footage and map within WANRack's review is accurate, request any additional quotes that are needed and select a construction contractor. This process is completed on average between 60-70 days.

Next we have the underground engineering and permitting. We start that process the same time as we begin our internal kickoff. We expect permitting to take around 6 months to be complete.

Following our engineering and review processes, we make sure our material orders are accurate. We anticipate receiving our materials by 9/23. The reason we are talking about a two year build, is we feel this may be the area we need the most wiggle room on, not knowing what additional impacts the market will have on supplies.

Once materials are received, Construction will begin on 9/23 and last just over 13 months. Finally we provide a 45 day period to make sure we are satisfied that everything is in order.

Capital investment breakdown is included in the timeline file. For permitting, we anticipate the first six months to draw down \$296,680. The materials order from July to August 2023 will be \$1,640,779.00.

Lastly the construction itself will be \$3,477,646.00 and run from September 2023 to June of 2025. WANRack operates by working on areas that permitting is completed, while other areas require additional permitting attention, hence the long gap.

Project Timeline File

Applicants are asked to upload a timeline which will denote key milestones for implementation of the project, including but not limited to field survey, network design, equipment/material procurement, environmental assessment, permitting, construction, network testing, network activation and completion.

Timeline & Milestone FL - Project Plan (1)-11-01-2022 12-51-WANRack, LLC-GRN-001553.pdf, Timeline & Milestone Hernando_ FL - Project P-11-16-2022 05-25-WANRack, LLC-GRN-001553.pdf

Is an extension being requested?

No

Special Rules for Tribal Governments and Native Entities

The Infrastructure Investment and Jobs Act permits the Assistant Secretary, in consultation with Tribal governments and Native entities, to waive, or specify alternative requirements, in connection with most directives governing the MMG Program if the Assistant Secretary finds that waiver or modification of the requirement is necessary for (a) the effective delivery and administration of middle mile grants to Tribal governments or (b) the construction, improvement, or acquisition of middle mile infrastructure on trust land.

Is a waiver or alternative requirements requested?

No

Fair Labor Practices

Applicants must have a demonstrated record of and plans to be in compliance with federal labor and employment laws as described in III.H in the NOFO. This will help ensure that projects are carried out in accordance with the law, assist NTIA in ensuring that a prospective awardee is capable of carrying out activities funded by an award in a competent manner in compliance with all applicable federal, state, and local laws; and promote the effective and efficient completion of high-quality middle mile broadband infrastructure projects by ensuring a reliable supply of skilled workers and minimizing disruptive and costly delays.

This response is limited to 6000 characters as an open field narrative.

WANRack maintains comprehensive corporate policies related to, and has continually operated its business since formation more than nine years ago in compliance with, all federal labor and employment laws. These laws include, but are not limited to, those related to wages and hours, workplace safety and health, employee benefits, unions and their members, worker's compensation and

employee protection. There have been no instances in the preceding three years where WANRack has been found to have violated laws such as the Occupational Safety and Health Acts, the Fair Labor Standards Act, or any other applicable labor and employment laws.

While WANRack's contractors and subcontractors operate independently, all Master Service Agreements WANRack enters into with its contractors require the contractor to and ensure its subcontractors comply with all laws applicable to delivery of these services, including federal labor and employment. WANRack is not aware of any instances in the preceding three years where any of its contractors or subcontractors has been found to have violated laws such as the Occupational Safety and

Health Acts, the Fair Labor Standards Act, or any other applicable labor and employment laws.

WANRack

has utilized contracts on a wide variety of middle mile projects similar to the proposed project with no instances of violations of federal labor and employment laws.

WANRack will advise all of its employees performing work related to the proposed project of the continual need to comply with all applicable federal labor and employment laws. In addition, WANRack will ensure all contracts engaged to provide services related to the proposed project will comply with, and ensure all of its subcontractors comply with, all applicable federal labor and employment laws.

WANRack is committed to strong labor standards and protections for the project workforce (including contractors and subcontractors), which include:

- Using a directly employed workforce supplement by a subcontracted workforce;
- Paying prevailing wages and benefits to workers, including compliance with Davis Bacon and Service Contract Act requirements, where applicable, and collecting the required certified payrolls;
- Using project labor agreements for any union labor engaged by WANRack's contractors or subcontractors (i.e., pre-hire collective bargaining agreements between unions and contractors that govern terms and conditions of employment for all workers on a construction project);
- Use of local hire provisions;
- Commitments to union neutrality;
- Use of labor peace agreements;
- Use of an appropriately skilled workforce (e.g., through Registered Apprenticeships or other joint labor-management training programs that serve all workers, particularly those underrepresented or historically excluded);
- Use of an appropriately credentialed workforce (i.e., satisfying requirements for appropriate and relevant pre-existing occupational training, certification, and licensure); and
- Taking steps to prevent the misclassification of workers.

WANRack, LLC has utilized 3rd-party contractors on fiber construction projects. These contractors have established safety programs they follow to ensure health & well-being of their construction staff. Monthly safety training sessions typically conducted by these contractors, in compliance with OSHA standards, include a wide range of specific areas from best practices regarding hazardous waste, work zone safety, and fall protection in construction zones. These monthly training sessions can also be specifically tailored towards an upcoming project, such as the proposed middle mile construction project. WANRack will contractually require all contractors & subcontracted entities to maintain safety training records and certifications, & it reserves the right to perform periodic checks to ensure compliance with all applicable federal, state, and local labor certifications.

In the coming months, WANRack anticipates addition of a workplace safety manager & an internal safety program as part of a planned corporate expansion. WANRack's expected goal of the safety program is to ensure its employees are properly trained in workplace safety techniques & reinforce those safety rules at appropriate time intervals.

In addition to its internal safety program, WANRack will ensure that a workplace safety committee is active & authorized to raise health & safety concerns associated with proposed project. This committee will be accessible to employees of WANRack, the Contractor(s), & Subcontractor(s), & will have the authority to make recommendations to WANRack's management team regarding corrective actions pertaining to any health & safety concerns associated with the proposed NTIA MMG project. WANRack will reserve the right to require the removal of the Contractor, Subcontractor(s), or employees thereof, based on contractual violations, construction quality issues, safety concerns, noncompliance of the fair labor practices clause, or cause. In the event of any removal, the individual entities and/or individual personnel will be replaced within a reasonable timeframe so as not to affect the project timeframe or compliance with applicable local, state, and federal labor and employment laws. This helps to ensure that any issues that may arise concerning the skill or competency of the Contractor(s) or the individual personnel employed by the Contractor(s) can be swiftly and adequately addressed.

WANRack intends to work with local technical colleges, as well as established staffing agencies, to fill its respective workforce needs.

WANRack offers an internship program that allows individuals an opportunity to develop & learn skills necessary for careers in the telecommunications industry or other similar IT and construction companies

WANRack has also developed its own internal training program, working alongside external vendors, to reinvest in its own workforce by keeping it current with industry standards

Officer Certification

In order for NTIA to evaluate an applicant's demonstrated record of and plans to be in compliance with federal labor and employment laws, each applicant must provide examples of items described in III.H in the NOFO. Applicants are asked to upload a Certification from an Officer/Director-level employee (or equivalent) of the applicant evidencing consistent past compliance with federal labor and employment laws by the applicant, as well as contractors and subcontractors.

— — —
Highly Skilled Workforce

To ensure that applicants have the technical and operational capacity to carry out the project, applicants must submit a plan for ensuring that the project workforce will be an appropriately skilled and credentialed workforce (including by the applicant and each of its contractors and subcontractors). The plan for a highly skilled workforce should include the information described in III.I in the NOFO.

This response is limited to 6
000 characters as an open field narrative.

WANRack will be using direct and subcontracted workforce for this project. WANRack intends to use union and nonunion subcontracted labor for this project. Both union and nonunion subcontracted labor will be required to maintain equal standards for wages, safety training records and certifications. All direct and subcontracted Labor will use state Prevailing Wage Standards. competent skilled and unskilled workers will be given a healthy workplace by Following all OSHA standards and training. WANRack requires all contractors to maintain safety training records and certifications that are required for the job tasks (e.g., OSHA 10, OSHA 30, confined space, traffic control, lockout tagout) and other training as relevant depending on title and work being performed. WANRack does periodic checks to ensure all subcontracted labor is up to date on their certifications.

— — —
Advancing Workforce Development

A skilled workforce is critical to meeting infrastructure buildout timelines under the Infrastructure Act and connecting households across the country to reliable, affordable, high-speed broadband. A well-trained workforce will also allow for the safe deployment of sustainable networks. To meet the workforce needs of the MMG Program, applicants must make appropriate investments to develop a skilled, diverse workforce. Each applicant must provide as part of its application examples of items described in III.J in the NOFO.

This response is limited to 6000 characters as an open field narrative.

It is WANRack, LLC's policy and practice to accurately compensate employees and to do so in compliance with all applicable state and federal laws. To ensure proper payment and that no improper deductions are made, employees must review pay stubs promptly to identify and report all errors. WANRack utilizes market data and analysis based on company job descriptions to ensure at least a 70% match comparison to other roles across the country.

Annual compliance is reviewed annually by the project management team. Reports are run intermittently to automate when certificates, permits, or licenses are to expire. Renewed COIs are provided to all contractors electronically and by mail, no later than September 20th for all annual renewals.

WANRack adheres to all state and federal prevailing wage requirements. Subcontractors are sourced nationally and locally who adhere to all local and state procedures. For any public works project, where federal funding has been received, all contractors will be required to pay the higher of the state or federal wage rates, as stated in the construction contract.

B:

WANRack partners with external vendors to recruit, train, and develop associates in a variety of areas. Specifically, safety training is available monthly for OSHA compliance standards & reporting, such as hazardous waste, work zone safety, and fall protection for construction. Associates have a variety of over 1,000 different courses of training that they can enroll in at any time and if a specific need is identified, a larger team training will be provided.

WANRack is committed to diversifying its workforce by a multitude of factors including but not limited to; having at least one diverse candidate for every open role is interviewed, conducting diversity training annually, and removing gender biases from job descriptions & postings. With the ongoing evolution of work practices and environment, it is our intent to continue the pursuit of strengthening diversity, inclusion, and belonging across all associates.

WANRack also strongly believes in the need to further develop our workforce and make sure that as broadband dollars continue to be disbursed, it is critical that all providers be good stewards and develop time and efforts to workforce development in this critical field. Currently we work with multiple Governor's offices including Ohio, which is truly a leader in this field and Kansas in supporting programs to help get our younger workforce trained earlier and out in the field. WANRack also works to train our workers whether it be more GIS training, critical OSHA training, RCDD (BICSI), basic Fiber Optics Primer for those with less experience, Engineer based conferences and seminars to hear what others are revolutionizing within the industry, among others. WANRack is doing everything it can to be a leader in this field and will continue to make the appropriate investments to not only make sure our own workforce remains up to date, but also help bring others into the industry.

Climate Resiliency

Please demonstrate that the applicant has sufficiently accounted for current and future weather- and climate-related risks to new MMG Program infrastructure projects. In particular, each applicant

should clearly demonstrate how it is conducting the items listed in III.K in the NOFO.

This response is limited to 6000 characters as an open field narrative.

The overall length of this project is approximately 237,000 feet, or 44.8 miles. The preliminary routing of this project is within three Florida Counties which are: Hernando, Pasco, and Polk. The majority of the routes will be in FDOT roadways, but there will also be some sections that will fall within County roads with the potential of occasional city roads utilized based on the final routing of the project.

From a permitting perspective, all municipal permitting entities are typically easy to work. However, there may be some sensitive forest, waterway, and environmental areas within the project. Below is a breakdown of these areas.

Hernando County

The portion of this project within Hernando County is approximately 54,430 feet, or 10.31 miles.

Within

this portion of the project there are two major waterway crossings which will require environmental permitting to governmental entities if underground utility placement is considered. There are no cities located within this portion of the project, but rather some areas that appear to be unincorporated.

Withlacoochee River crossing (SR50/US98) – This waterway crossing will require Army Corps of Engineers and Florida Department of Environmental Permitting. It is also possible that survey will be required to determine the mean high-water mark, property ownership, and easement requirements for

crossing the waterway. Below are a couple of images for review.

Withlacoochee River crossing (SR35/US301) – This waterway crossing will require Army Corps of Engineers and Florida Department of Environmental Permitting. Below are a couple of images for review.

Pasco County

The portion of this project within Pasco County is approximately 121,085 feet, or 22.93 miles. Within this portion of the project there are two major waterway crossings which will require environmental permitting to governmental entities if underground utility placement is considered. The City of Dade City and The City of Zephyrhills are encountered within this portion of the project. The primary routing of the project will be in FDOT corridors but utilizing city or county roads is anticipated.

Waterway (Unknown Branch)

This waterway crossing will require Army Corps of Engineers and Florida Department of Environmental Permitting. It is also possible that survey will be required to determine the mean high-water mark, property ownership, and easement requirements for crossing the waterway. Below are a couple of

images for review.

Polk County

The portion of this project within Polk County is approximately 61,439 feet, or 11.64 miles. Within this portion of the project there are several minor waterway crossings which may require Florida Department of Environmental Permitting. It is not expected that these locations will require any survey or Army Corps of Engineers permitting. There are no cities located within this portion of the project, but

rather some areas that appear to be unincorporated.

No details were provided for the minor waterway crossings within this portion of the project.

WANRack also takes into account climate change with respect to heat changes and rising water levels that are expected to occur over the course of time. With respect to water levels, WANRack already builds in the State of Florida and is experts at making sure there will be coverage in the result of flooding or other swamp related challenges across the State. WANRack mainly focuses on underground building in Florida. This is due to challenges that hurricanes bring. If some part can't be done underground, we work to put forward as minimal a tower design as necessary with extra protection for wind resistance and other typical hurricane related weather. WANRack is also experienced building in desert like temperatures in Arizona and other climates that require our builds to account for extreme heat. This would be no different in Florida where extreme heat already can occur and will only get worse over the next twenty years. WANRack would be building for the worst case scenario in advance of these challenges and look to monitor it annually, but given the detailed planning we take into account, we do not foresee a situation where WANRack equipment would not be able to handle extreme climate that Florida is projected to face over the next 20-25 years.

Additionally, these impacts on the climate are likely to result in increasingly more and severe flooding, hurricanes and severe weather patterns (Kunkel et al 2022) in a region that already has a high flood risk Per FEMA's index (National Risk Index 2021).

Hurricanes are expected to continue to worsen in the coming years due to atmospheric warming which will result in a greater number of category four and five storms making landfall in Florida (NOAA Storm Event Database, 2022).

WANRack will utilize an existing data center in Lakeland, which already has adequate battery backup and generators to support the network equipment in the event of a power outage. In addition, WANRack intends to deploy battery backup systems and standby generators at hut or cabinet sites that will be deployed as a result of this project.

Generally, during the construction process there are daily and weekly communications among contractors, construction crews, engineering staff, and clients to ensure that the cable is placed correctly and with the most efficient method. Real-time data is also collected in the field by inspectors.

Fiber optic cables that are placed are water and weather resistant.

Civil Rights and Nondiscrimination Law Compliance

Prior to distributing any MMG Program funding to a prospective awardee, NTIA will require the prospective awardee to agree, by contract or other binding commitment, to abide by the non-discrimination requirements set forth in III.J in the NOFO.

Do you agree to abide by the non-discrimination requirements?

Yes

Certification of Technical Capability

Each applicant must supply a certification attesting that it is technically qualified to complete and operate the proposed project.

NTIA Grant Application - Officer's Certificat-11-01-2022 12-57-WANRack, LLC-GRN-001553.docx.pdf

Interconnect Policy

The Applicant must describe in detail the nondiscrimination, interconnection, and network management practices that would be adopted for the project facilities. The Applicant should describe how it will comply with nondiscrimination and interconnection obligations, particularly with connectivity to the public Internet and physical interconnection for the exchange of traffic. In addition to describing network management practices, the Applicant should disclose any practices in place to block access to illegal or harmful content.

This response is limited to 6000 characters as an open field narrative.

Non-discrimination & Interconnection Policy

WANRack maintains an open network policy and does not differentiate among applications that travel across its Internet network. WANRack offers interconnection on a non-discriminatory basis to carriers and access providers in sound financial condition and in good standing with federal, state and local regulatory agencies. Master Service agreements are required of all carriers who interconnect with WANRack whether through private line circuits, dark fiber, Ethernet services, or Dedicated Internet Access.

The policy includes information informing customers that we will not favor any lawful Internet applications and content over others; will display network management policies in a prominent location on the service provider's web page and provide notice to customers of changes to these policies. For broadband and DIA services, WANRack will connect to the public Internet directly or indirectly, such that the project is not an entirely private closed network; and offer interconnection,

where technically feasible, without exceeding current or reasonably anticipated capacity limitations, on reasonable rates and terms to be negotiated with requesting parties. Exceptions to this policy apply to the needs of law enforcement and reasonable network management.

Network Management Policy

WANRack employs reasonable network management policies to provide acceptable service levels to all customers and has measures in place to address service attacks, illegal content, and other harmful activities to protect its network integrity and reliability.

Technical Overview

Please describe targeted last mile service objectives, including last mile service provider letters of commitment, agreements, or contracts; and a description of the proposed service offerings, including the pricing of the services to be offered over the proposed facility.

This response is limited to 6000 characters as an open field narrative.

[REDACTED]

Competitive Landscape

The Applicant should describe existing middle mile offerings in the area, if any, including competitor data if applicable. This should include a description of the proposed service offerings, including the pricing and technology of the services to be offered over the proposed facility. Where possible, Applicant's project should be able to demonstrate a decline in middle mile costs that are likely to flow through to consumer broadband prices.

This response is limited to 6000 characters as an open field narrative.

This route was chosen because of the consistent need for additional connectivity options (currently only Comcast is a provider and does not reach 20 upload speed across most of the route) along the entire route, along with a more affordable option for these communities (average terrestrial connection along the middle mile route is \$77.00). The FCC does list Verizon as a fiber provider, but currently does not provide services outside of business last mile, hence the high cost in residential service.

Applicants are encouraged to upload supplemental documentation.

Copy of NTIA MM-11-01-2022 12-59-WANRack, LLC-GRN-001553.pptx

Type of technology to be used in proposal:

Fiber Optic Technology

Each applicant of an award to build middle mile infrastructure using fiber optic technology shall certify that the proposed project, upon completion, will include direct interconnection facilities that will facilitate the provision of lit broadband service, at speeds not less than 1 Gigabit per second for downloads and 1 Gigabit per second for uploads to anchor institutions located within 1,000 feet of the middle mile infrastructure, as detailed in the Template CAI below.

Do you agree to certify to the above?

Yes

Upload Template CAI. Required for Fiber Optic Technology, optional for Wireless or Other.

MMG Community Anchor Institution Draft -11-01-2022 01-01-WANRack, LLC-GRN-001553.xlsx

An eligible entity applying for a middle mile grant may seek, and the Assistant Secretary may grant, a waiver of the requirements set out in the previous paragraph, in full or in part, to the extent the eligible entity demonstrates that the requirement is not technically or economically feasible.

Do you plan to apply for a waiver? If yes, please attach the waiver application in the Application Workspace, the Application Information section, Required Documents under Required Document Question 4 "Additional Waiver Upload".

No

Network Route Maps

Applicants should provide a physical network map that includes the following (if applicable):

The Project Area and those unserved and underserved areas which it will enable.
Applicant's pre-existing service area that demonstrates current service levels.
The physical path of the network's transmission medium (e.g., backbone and lateral cable routes, microwave links), transmission type, technology, operating bandwidth, capacity (e.g., dark vs. lit strand count), and cable placement (e.g., aerial, burial) should be displayed.
Points of interconnection (purely passive and non-environmentally controlled nodes, e.g., splice points are optional):Provider Facilities
Collocation Facilities
Private Interconnection Points with partnering service provider/private network

Wireless towers and associated coverage areas.
Anchor institutions within 1,000 feet, if desired.
Additionally, the maps should delineate between network and facilities that are:Part of the Applicant's/key partners' existing network;
Proposed as part of this project;
Leased from a third party;
Utilized under some alternative arrangement; or
Relevant to interconnection with either Last Mile or Middle Mile service providers.

PLEASE NOTE: Only ESRI Shapefiles will be accepted and uploaded.

Routes-line-11-01-2022 01-03-WANRack, LLC-GRN-001553.cpg, Access_Points-point-11-01-2022 01-03-WANRack, LLC-GRN-001553.shp, Access_Points-point-11-01-2022 01-03-WANRack, LLC-GRN-001553.prj, Access_Points-point-11-01-2022 01-03-WANRack, LLC-GRN-001553.dbf, Access_Points-point-11-01-2022 01-03-WANRack, LLC-GRN-001553.cpg, Routes-line-11-01-2022 01-03-WANRack, LLC-GRN-001553.shx, Routes-line-11-01-2022 01-03-WANRack, LLC-GRN-001553.dbf, Routes-line-11-01-2022 01-03-WANRack, LLC-GRN-001553.shp, Routes-line-11-01-2022 01-03-WANRack, LLC-GRN-001553.prj, Access_Points-point-11-01-2022 01-03-WANRack, LLC-GRN-001553.shx

Data Submission Specification

There is a template "Upload Template Data Submission Specification" which shall be uploaded.
Applicants must complete the table with information for all interconnection points proposed for the network. This table has three required fields: Point Name, Latitude and Longitude. This should accommodate all of the points of interconnection (passive, non-environmentally controlled points of interconnection, e.g., splice points, may be excluded), collocation facilities, central offices, head ends, and other centralized facilities, network access points to Last Mile service providers, Internet peering points, and towers.

Network Diagram

The Applicant must provide a high-level network diagram to be uploaded for the project that is a representation of the network, capacities, and facilities. The diagram must clearly denote which of the network elements already exist. The diagram should show:

The links between the network nodes. The types of facilities used in connecting the network elements (fiber, wireless microwave, etc.).

The points of interconnection and collocation facilities, including Internet peering points, access to local exchange carriers, central offices, or cable head ends.

The proposed aggregation node facilities that will provide the egress point(s) from the broadband backbone to the networks of the selected service provider(s), named Last Mile service providers, and the selected named Internet Service Provider(s) in the new infrastructure.

The Applicant should show which technologies are used and include bandwidth capacity constraints.

Environmental Narrative

Any project-related activity that may adversely affect the environment must not be undertaken prior to the completion of the environmental review process prescribed by NTIA. Doing so may jeopardize consideration of the application.

All Applicants for MMG projects must comply with the National Environmental Policy Act, the National Historic Preservation Act, and the Endangered Species Act, and other applicable environmental regulations.

Please provide a service-area environmental description that describes the physical project area and its surroundings (e.g., disturbed or developed land vs. open space; adjacent natural resources, such as rivers, wetlands, or forestlands; and any protected lands or resources in or near the project area), including site photographs and aerial photographs (e.g., Google Earth or Google Maps images), if the project includes construction and/or ground disturbing activities.

This response is limited to 12000 characters as an open field narrative with image files to be uploaded.

The overall length of this project is approximately 237,000 feet, or 44.8 miles. The preliminary routing of this project is within three Florida Counties which are: Hernando, Pasco, and Polk. The majority of the routes will be in FDOT roadways, but there will also be some sections that will fall within County roads with the potential of occasional city roads utilized based on the final routing of the project.

From a permitting perspective, all municipal permitting entities are typically easy to work. However, there may be some sensitive forest, waterway, and environmental areas within the project. Below is a breakdown of these areas.

Hernando County

The portion of this project within Hernando County is approximately 54,430 feet, or 10.31 miles.

Within

this portion of the project there are two major waterway crossings which will require environmental permitting to governmental entities if underground utility placement is considered. There are no cities located within this portion of the project, but rather some areas that appear to be unincorporated. Withlacoochee River crossing (SR50/US98) – This waterway crossing will require Army Corps of Engineers and Florida Department of Environmental Permitting. It is also possible that survey will be required to determine the mean high-water mark, property ownership, and easement requirements for crossing the waterway. Below are a couple of images for review.

Withlacoochee River crossing (SR35/US301) – This waterway crossing will require Army Corps of Engineers and Florida Department of Environmental Permitting. Below are a couple of images for review.

Pasco County

The portion of this project within Pasco County is approximately 121,085 feet, or 22.93 miles. Within this portion of the project there are two major waterway crossings which will require environmental permitting to governmental entities if underground utility placement is considered. The City of Dade City and The City of Zephyrhills are encountered within this portion of the project. The primary routing of the project will be in FDOT corridors but utilizing city or county roads is anticipated.

Waterway (Unknown Branch)

This waterway crossing will require Army Corps of Engineers and Florida Department of Environmental Permitting. It is also possible that survey will be required to determine the mean high-water mark, property ownership, and easement requirements for crossing the waterway. Below are a couple of images for review.

Polk County

The portion of this project within Polk County is approximately 61,439 feet, or 11.64 miles. Within this

portion of the project there are several minor waterway crossings which may require Florida Department of Environmental Permitting. It is not expected that these locations will require any survey or Army Corps of Engineers permitting. There are no cities located within this portion of the project, but rather some areas that appear to be unincorporated. No details were provided for the minor waterway crossings within this portion of the project.

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Upload Map Images:

Florida NTIA-11-01-2022 01-05-WANRack, LLC-GRN-001553.docx

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Template Table of Funded Partners and Unfunded Collaborators

List all funded and unfunded project collaborators, including partners, subrecipients, match providers, major contractors/supplies, details on role/scope of work for project. A fillable Template of Funded Partners and Unfunded Collaborators can be found in found in the MMG ZIP folder.

Template Table of Funded Part-10-31-2022 09-0-11-01-2022 09-47-WANRack, LLC-GRN-001553. and Unfunded Collaborators Polk Pasco Hernando.xlsx, Template Table of Funded Part-GRN-001553 4-5--04-05-2023 12-51-WANRack, LLC-GRN-001553.xlsx

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Certificate of Operational Capability

Each applicant must supply a certification from an officer-level employee (or individual of comparable rank) attesting to the applicant's operational capability to complete and operate the proposed project.

If the applicant has provided a voice and/or broadband internet access service, it must supply a certification from an officer-level employee (or individual of comparable rank) attesting that it has filed FCC Form 477s and the Broadband DATA Act submission, if applicable, to the extent required during this time period and otherwise complied with the Commission's rules and regulations. Alternatively, the applicant must explain any pending or completed enforcement action, civil litigation, or other matter in which it was alleged to have failed to comply with Commission rules or regulations.

If the applicant has operated only an electric transmission or distribution service, it must submit qualified operating or financial reports that it has filed with the relevant financial institution for the relevant time period along with a certification that the submission is a true and accurate copy of the reports that were provided to the relevant financial institution.

If applicable, the applicant must submit a certification from an officer-level employee (or individual

of comparable rank) that is has operated a middle mile broadband network for at least two years or that it is a wholly owned subsidiary of such an entity and must specify the number of years the applicant or its parent company has been operating.

NTIA Grant Application - Officer's Certificat-10-31-2022 09-08-WANRack, LLC-GRN-001553.docx.pdf

Certification of Financial Capability

Each applicant must supply a certification from an officer-level employee (or individual of comparable rank) attesting that it is financially qualified to meet the obligations associated with a project, that they will have available funds for all project costs that exceed the amount of the grant, and that they will comply with all MMG Program requirements, including service milestones.

NTIA Grant Application - Officer's Certificat-10-31-2022 09-09-WANRack, LLC-GRN-001553.docx.pdf

Letter of Credit

During the application process, each applicant must submit a letter from a bank meeting eligibility requirements consistent with those set forth in 47 C.F.R. § 54.804(c)(2) committing to issue an irrevocable stand-by letter of credit, in the required form, to the applicant. The letter shall at a minimum provide the dollar amount of credit offered and the issuing bank's agreement to follow the terms and conditions of NTIA's model letter of credit. NTIA shall publish on its website a model letter of credit substantially similar to the model letter of credit established by the Federal Communications Commission in connection with the Rural Digital Opportunity Fund (RDOF - Rural Digital Opportunity Fund Order, 35 FCC Rcd at 773-77, Appx. C.).

NTIA will ensure, prior to issuing a middle mile grant award, that each eligible entity obtains an acceptable, irrevocable standby letter of credit in a value of no less than 25 percent of the award amount.

Each eligible entity shall provide with its letter of credit an opinion letter from its legal counsel clearly stating, subject only to customary assumptions, limitations, and qualifications, that in a proceeding under Title 11 of the United States Code, 11 U.S.C. § 101 et seq. (the "Bankruptcy Code"), the bankruptcy court would not treat the letter of credit or proceeds of the letter of credit as property of the winning bidder's bankruptcy estate under Section 541 of the Bankruptcy Code.

Audited Financial Statement (Previous 3 Years)

Each applicant shall submit financial statements from the most recent fiscal year that are audited by an independent certified public accountant. If the applicant is not audited in the ordinary course of

business, in lieu of submitting audited financial statements it must submit unaudited financial statements from the three prior fiscal years and certify that it will provide financial statements from the three prior fiscal years that are audited by an independent certified public accountant by an NTIA specified deadline.

*You must provide 3 years of audited financial statements.

[REDACTED]

Historical Financial Statements (Previous 3 Years)

Each applicant shall submit financial statements from the three prior fiscal years that are audited by an independent certified public accountant. If the applicant is not audited in the ordinary course of business, in lieu of submitting audited financial statements it must submit unaudited financial statements from the three prior fiscal years and certify that it will provide financial statements from the three prior fiscal years that are audited by an independent certified public accountant by an NTIA specified deadline.

*You must provide 3 years of historical financial statements.

[REDACTED]

Budget Narrative

Applicants will create and submit a budget narrative that adequately describes all proposed activities and costs for their grant-funded project. Applicants must complete the file template, fill in all required information, and upload the file . The file must be uploaded as a Word file, and not converted to a PDF. You can find additional guidance in the MMG Application Guidance.

[REDACTED]

Template Detailed Budget Justification

The Detailed Budget Justification spreadsheet must reflect the cost categories that appear on the SF-424 and SF-424C and include itemized calculations for each cost placed under those categories. A

fillable Template Detailed Budget Justification can be found in found in the MMG ZIP folder.

Any other funding provided for this project?

No

Template Pro Forma

Pro forma financial projection and analysis related to the project's sustainability, inclusive of subscriber (e.g., last mile network connections, other wholesale services), across an eight-year forecast period. A fillable Template Pro Forms can be found in the MMG ZIP folder.