ANNUAL PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information

1. Federal Agency and Organizational Element to Which Report is Submitted	2. Award Identification Number	3. DUNS Number
Department of Commerce, National Telecommunications and Information Administration	NT10BIX5570023	831497651

4. Recipient Organization

North Florida Broadband Authority 1500 Mahan Drive Suite 250, Tallahassee, FL 32308-5177

5. Current Reporting Period End Date (MM/DD/YYYY)	6. Is this the last Annual Report of the Award Period?
12-31-2013	⦿ **Yes** ◯ **No**

7. Certification: 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.

7a. Typed or Printed Name and Title of Certifying Official	7c. Telephone (area code, number and extension)
Michael Avello	3864385042
	7d. Email Address
Project Manager	mavello@nfba.net

7b. Signature of Certifying Official	7e. Date Report Submitted (MM/DD/YYYY):
Submitted Electronically	03-31-2014

OVERALL PROJECT PERFORMANCE INDICATORS

1. Please provide the following average cost figures for your project. Please review the instructions to determine how to calculate these figures. Write "0" in the second column and "N/A" in the third column if your project does not yet have this information. Depending on whether your project contains Middle Mile and/or Last Mile components, some metrics may not apply. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).

Cost Indicator	Average Cost / Speed	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Average cost per new mile (Middle Mile)	$22,144.89	Average cost per new mile is calculated as follows: Cumulative direct capital costs associated with the installation of middle mile transmission infrastructure (from project inception through the end of the 3rd quarter of calendar year 2013), divided by the route miles that the middle mile transmission infrastructure traverses. Average cost per new mile, through the end of 3rd Quarter 2013: $18,291,678.96 / 826 new miles = $22,144.89 / new mile New miles are represented by new wireless network miles determined by equipment installed at towers within a direct line of sight. Fiber leased from our upstream providers is not included in this calculation. Our baseline plan was based on our original network design. The total new middle mile network miles and average cost per mile indicated in this report reflect our updated network design, which was approved through an Award Action Request.
Average cost per household passed (Last Mile)	0	This project is a Middle Mile Network. As such, Last Mile customer provisioning costs are incurred by our Last Mile provider partner.
Average cost per subscriber (Last Mile)	0	This project is a Middle Mile Network. As such, Last Mile customer provisioning costs are incurred by our Last Mile provider partner.
Maximum broadband speed advertised (Middle Mile)	1 Gbps	Our Points of Presence are designed to deliver up to 1 Gbps to Last Mile providers and/or Community Anchor Institutions. Available speed tiers are customizable and generally increase in increments of 10 Mbps.
Maximum broadband speed advertised (Last Mile)	0	This project is a Middle Mile Network, and our network is capable of delivering maximum broadband speeds of up to 1 Gbps to Community Anchor Institutions from our Points of Presence. Our Last Mile provider partner publishes their maximum advertised broadband speeds at their discretion. Please see the attached Excel spreadsheet "Annual PPR CCI Addendum" for more details regarding broadband speeds provided to Community Anchor Institutions.
Average broadband speed provided (Middle Mile)	100 Mbps	Our network is designed to deliver up to 1 Gbps to Last Mile providers and/or Community Anchor Institutions at our Points of Presence. Available speed tiers begin at 10 Mbps and increase in increments of 10 Mbps and 100 Mbps.
Average broadband speed provided (Last Mile)	8 Mbps	This project is a Middle Mile Network. The average broadband speed listed here is based on information provided by our Last Mile provider partner and represents the average speed provided to residential, business, and Community Anchor Institution last mile customers that receive broadband service through our network. We will continue to work with our Last Mile partner to provide this information as it is made available to us. Please see the attached Excel spreadsheet "Annual PPR CCI Addendum" for more details regarding broadband speeds provided to Community Anchor Institutions.

2. Please provide each facility name and type, the county where the facility is located, and census tract information for any facilities funded by your project during this annual reporting period. Report only facilities for which construction has been completed.

Facility Identifier / Name	Facility Type	County	Census Tracts
N/A. We lease co-location facilities and vertical space on existing commercial and in-kind towers. There is no new construction for this project.	N/A	N/A	N/A

Add Facility	Remove Facility

3. Please identify (1) the total number of interconnection, peering, and/or transit agreements entered into during this annual reporting period; (2) the total number of agreements of each type that you are currently negotiating; and (3) whether you have denied any request for interconnection and if so, why. If you have not entered into any agreements, please write "N/A."

Interconnection Agreements **(600 words or less)**

We entered into one interconnection agreement to sell our wholesale broadband services to a last mile provider in our network service region. We have not denied any request for interconnection, as it is our policy to remain actively engaged in open customer acquisition.

Peering and Transit Agreements **(600 words or less)**

Co-location space is available at our upstream (First Mile) providers' facilities to allow Last Mile Internet service providers and Community Anchor Institutions to acquire space for peering and transit services, which is negotiated on an as-needed basis. We have not denied any request for peering and transit services, as it is our policy to remain actively engaged in open customer acquisition.

CAPACITY, UTILIZATION, AND CAPABILITY INDICATORS

4. Community Anchor Institutions: In the chart below, please provide information on the types of community anchor institutions capable of receiving service (i.e., anchor institutions connected to your network plus those passed by your network) as a result of BTOP funds.

Type of Community Anchor Institution	Total Number Within Service Area	Type of Community Anchor Institution	Total Number Within Service Area
Schools (K-12)	144	**Public Housing**	0
Libraries	29	**Other Institutions of Higher Education**	14
Medical and Healthcare Providers	265	**Other Community Support Organizations**	702
Public Safety Entities	74	**Other Government Facilities**	243
Community Colleges	5	**Total Community Anchor Institutions**	1,476

5. Please indicate the average increase in broadband speed provided to the community anchor institution customers as a result of your project, including a description of how this increase was calculated (600 words or less).

According to research from our partners at the Florida State University Information Institute, broadband speeds previously available for the majority of community anchor institutions in our service area were 5 Mbps or less, according to survey respondents that were asked to identify their Internet Service Provider's advertised speed. Actual speeds measured at end-user client workstations can be substantially less than advertised speeds due to high demand for broadband capacity within the facility. We therefore estimate the average increase in broadband speed provided through the North Florida Broadband Authority network to be in the range of 5 Mbps to 95 Mbps, as 10 Mbps to 100 Mbps is the level of service range that is typically offered to most community anchor institutions.

6. What retail services are being provided by this project? Please describe below. (600 words or less). As an attachment to this report, please provide pricing plans (in $ per month) associated with each retail service. Retail services description:

This project is a Middle Mile network that provides wholesale high speed Internet access to Last Mile providers and Community Anchor Institutions (as a provider of last resort, in the event Last Mile provider services are not available to the Community Anchor Institution). Our services include wholesale, enterprise, and e-Rate / discounted government Internet access. Private households and businesses are served through our last mile provider partner.

7a. What network management policies (e.g., bandwidth limitations, traffic prioritization) are in place for the services provided by your project? 7b. Have you ever limited or blocked consumers from accessing any lawful content, service, service provider, or application, or prevented any consumers from attaching any legal device to the network? If so, please explain why (300 words or less)?
Our network management policies are in compliance with the nondiscrimination and interconnection obligations outlined in the Notice of Funds Availability. Our network provides open, ubiquitous, Middle Mile access to broadband Internet services for both private entities (last mile service providers) and community anchor institutions in the underserved areas of northern Florida.

Our non-discrimination policies are available to the public, and we will provide notice to our customers of any changes to these policies. We are fully committed to offering wholesale access at reasonable rates and terms. Our network management practices and policies adhere to the principles contained in the Federal Communications Commission's Internet Policy Statement and do not show favoritism to any lawful Internet applications and content over others. The North Florida Broadband Authority network is not a private,

closed network, but instead is connected to the public Internet directly and provides open access to all Internet resources. We offer interconnection opportunities where technically feasible without exceeding current or reasonably anticipated capacity limitations, with reasonable rates and terms negotiated with requesting parties.

8. If applicable, please provide the total number and the percentage of subscribers who have dropped the broadband service provided through this project (total number of households and/or businesses and the "churn rate") and the subscribers' reasons for discontinuing their service (600 words or less).

N/A. This project is a Middle Mile network. Private households and businesses are served through our Last Mile provider partner.

9. Please provide the following information regarding the number of fiber strand-miles:

Total Number of Strand-miles	Total Number of Active Fiber Strand-miles Used by Recipient	Total Number of Leased Fiber Strand-miles	Total Number of Dark Fiber Strand-miles	Total Number of Strand-miles Being Built		
				Active	**Leased**	**Dark**
0	0	0	0	0	0	0

10. If you wholesale dark fiber, please list your wholesale customers and the number of fiber miles you currently are leasing to those customers:

N/A. We do not provide access to dark fiber, as we do not have that access.

In reference to Question 9 above, this project has not constructed any fiber miles, so therefore all 7 fields in Question 9 are N/A, or not applicable. The formatting of this report does not permit us to enter letters (such as "N/A") in these fields, so we entered "0" instead.

11. Please provide the following information regarding the facility collocation capacity:

Total Facility (total square feet for all facilities)	Number of Square Feet Used by Recipient	Number of Square Feet Leased	Number of Square Feet Available
438	438	0	438

12. If you do not own collocation space, please describe how and where other network providers and/or customers interconnect with your network (600 words or less).

The North Florida Broadband Authority has co-location space available for interconnection with our network. In addition, as a wireless network, we have 95 interconnection points with ground lease space available at each site for co-location within our core network footprint. Interconnection for customers (Last Mile providers) is available through switched multi-service access platforms located at each core network tower site.

13. To the extent that you have made any subcontracts or sub grants, please provide the number of subcontracts or sub grants that have been made to socially and economically disadvantaged small business (SDB) concerns as defined by section 8(a) of the Small Business Act, 15 U.S.C. 647, as modified by NTIA's adoption of an alternative small business size standard for use in BTOP. Please also provide the names of these SDB entities (150 words or less).

N/A. We have not issued any subcontracts or sub-grants to any socially and/or economically disadvantaged small businesses.

14. Please describe any best practices/lessons learned that can be shared with other similar BTOP projects (900 words or less).

• We continued to organize workshops and outreach events for project stakeholders, community leaders, and Last Mile service providers. Our goals with these workshops are to provide stakeholders with current information regarding the status of our network development plans and to provide them with an open forum to discuss their expectations and concerns for bandwidth and services. This interaction gives us important feedback to include as an input for our market-based engineering processes. We expect that utilizing these types of outreach events and workshops would produce similar benefits for other BTOP projects.

 • During this past calendar year, we developed and launched of series of informational videos to create awareness for our network services. These videos include testimonials from some of our early adopter customers who describe how they are using high-speed broadband Internet service provided through our network to create their own success stories, which include building a profitable startup business (ahead of schedule) and improving the quality of online educational resources for the children who attend our rural community schools. Other similar BTOP projects might benefit from these types of informational or promotional videos by using them as supplemental media on their public-facing websites and social media pages. North Florida Broadband Authority informational videos can be viewed online at: www.youtube.com/user/NFBA1

- We continued to plan and coordinate in-kind site development with our Last Mile provider partner in a collaborative effort to provide broadband service to Community Anchor Institutions. We leveraged this Middle Mile / Last Mile partnership to reduce implementation time, cost, and risk, which helped to ensure faster "time to benefit" for everyone involved.

- We continued to implement our network design enhancement plan this past calendar year, which included comprehensive independent reviews and assessments of our network's (then) current-state capabilities and future-state requirements to ensure that our network is able to meet current and anticipated customer demand for our high-speed Internet services and solutions.

15. Using the Excel spreadsheet template titled "Annual PPR CCI Addendum", please provide an updated list of Community Anchor Institutions (CAIs) that you have connected and plan to connect to your network.

16. Using the Excel spreadsheet template titled "Annual PPR CCI Addendum", please provide a list of community pairs that are receiving new or improved broadband service as a result of BTOP grant funds.

17. Please provide up-to-date network route maps in a single file, in a Google Earth compatible format (e.g., KMZ file).