

RECIPIENT NAME: Nelson, County of
AWARD NUMBER: NT10BIX5570049
DATE: 01/10/2014

OMB CONTROL NUMBER: 0660-0037
EXPIRATION DATE: 6/30/2015

ANNUAL PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information

1. Federal Agency and Organizational Element to Which Report is Submitted Department of Commerce, National Telecommunications and Information Administration	2. Award Identification Number NT10BIX5570049	3. DUNS Number 052551322
4. Recipient Organization Nelson, County of 84 Court House Square, Lovingson, VA 22949-0000		
5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2013	6. Is this the last Annual Report of the Award Period? <input checked="" type="radio"/> Yes <input type="radio"/> 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 Stephen A Carter County Administrator	7c. Telephone (area code, number and extension) 4342637000	7d. Email Address scarter@nelsoncounty.org
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 01-10-2014	

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)	57,442	Variance due to increase in construction costs to deploy all fiber underground in conduit rather than primarily aerial as initially proposed.
Average cost per household passed (Last Mile)	0	N/A
Average cost per subscriber (Last Mile)	0	N/A: The County does not provide services on the network
Maximum broadband speed advertised (Middle Mile)	1 Gbps	No Variance
Maximum broadband speed advertised (Last Mile)	0	N/A: The County does not provide services on the network
Average broadband speed provided (Middle Mile)	0	N/A: The county is not providing services on the network and no private providers have begun offering services. Network testing confirms 1 Gbps capability.
Average broadband speed provided (Last Mile)	0	N/A: The County does not provide services on the network

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
See Excel Addendum	see addendum	Nelson	see addendum

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)

At the end of the grant period, the County had completed interconnection with Blue Ridge InterNetworks. An initial agreement with provider Lumos had been negotiated and the connection completed, but the final agreement has not been executed. One additional interconnection agreement is currently being negotiated with Mid Atlantic Broadband. No requests for interconnection have been denied.

Peering and Transit Agreements (600 words or less)

No peering or transit agreements were proposed or completed. Interconnection has been completed with Blue Ridge InterNetworks, and negotiations continue with Lumos. Lumos has completed interconnection of their facilities in the Lovingson network operating center and an initial 25 Mbps Internet circuit is available from Lumos for wholesale services to private providers who wish to use the middle mile network.

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)	4	Public Housing	0			
Libraries	1	Other Institutions of Higher Education	0			
Medical and Healthcare Providers	2	Other Community Support Organizations	2			
Public Safety Entities	5	Other Government Facilities	9			
Community Colleges	0	Total Community Anchor Institutions	23			
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).						
Currently Nelson County is providing 15 Mbps Internet service to their facilities across the middle mile network. Previously each of those county facilities was capable of receiving only 1.5 Mbps T1 service. The remaining community anchor institutions are to be served by private providers at speeds desired up to 1 Gbps.						
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:						
No retail services are provided.						
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)?						
The County has contracted with Blue Ridge InterNetworks for third party network operation services. Rates for transport have been established by the County and agreements used to govern contractual relationships and network use policies. Bandwidth is limited only by the capability of the electronics (currently 1 Gbps). No private providers are serving customers from the middle mile network currently but last mile services planning by Blue Ridge InterNetworks is in progress. No limiting or blocking has occurred.						
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).						
Not applicable. The County is not a service provider on this network.						
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
4,464	0	0	0	4,464	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:						
No dark fiber has been leased although capacity is available if desired.						
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			
392	84	36	272			

DATE: 01/10/2014

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 County does provide collocation space for interconnection at the Lovington network operating center. Additional interconnection points are at the Colleen, Afton, Avon, and Lovington equipment shelters and network cabinets. Two providers are currently collocated in the Lovington network operating center.

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).

No subgrants or subcontracts have been made by the recipient to SDB concerns.

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

All aspects of implementing the broadband network were new for Nelson County personnel. The most important lesson learned is that it is crucial for elected officials to be engaged in the project early and to be aware of all aspects of ongoing implementation for effective communication with constituents and timely approval of any resolutions or decisions to keep the project on schedule.

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).