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	NT10BIX5570017	188655898

4. Recipient Organization

Executive Office of the Commonwealth of Pennsylvania (Office of Administration) 225 Capitol Building, Harrisburg, PA 17120-0001

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)
Holly Caudill	7174257650
	7d. Email Address hcaudill@state.pa.us
Administrative Officer	

7b. Signature of Certifying Official	7e. Date Report Submitted (MM/DD/YYYY):
Submitted Electronically	12-24-2013

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)	N/A	The miles of network that have been upgraded as part of this project are not considered to be "new" miles.
Average cost per household passed (Last Mile)	N/A	This is a middle mile project.
Average cost per subscriber (Last Mile)	N/A	This is a middle mile project.
Maximum broadband speed advertised (Middle Mile)	0	No broadband speeds were advertised; however, the baseline report that was submitted at the start of this project noted that we would advertise speeds of 50 Mbps. As the project began the process of connecting customers to the network, it was realized that most customers in the northern tier were not interested in speeds over 10 Mbps. Reliable service at reasonable pricing was the driving factor in making connections for our project.
Maximum broadband speed advertised (Last Mile)	N/A	This is a middle mile project.
Average broadband speed provided (Middle Mile)	10	Most of the customers that have connected to the network are receiving speeds of 10 Mbps; however, we do have four Community Anchor Institutions receiving speeds of 40 Mbps. Our baseline report noted that we would provide an average of 20 Mbps; however, most of the customers that actually connected to the network were more interested in reliable service than they were in speeds over 10 Mbps.
Average broadband speed provided (Last Mile)	N/A	This is a middle mile project.

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	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 have signed agreements with two last mile service providers within the northern tier of Pennsylvania. Through these providers, we were able to provide service to 47 Community Anchor Institutions (CAIs) requiring reliable, low cost high speed internet. Of these CAIs, two are receiving new service while the others are receiving improved services.
The last mile service providers that we have connected to are KCNet of Lock Haven, Pennsylvania and North Central Pennsylvania Regional Planning and Development Commission of Ridgway, Pennsylvania.
No requests for interconnection were denied.

Peering and Transit Agreements (600 words or less)

N/A. No peering or transit agreements have been signed. Additionally, no requests for service were denied.

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)	34	Public Housing	0
Libraries	5	Other Institutions of Higher Education	3
Medical and Healthcare Providers	9	Other Community Support Organizations	1
Public Safety Entities	44	Other Government Facilities	2
Community Colleges	0	Total Community Anchor Institutions	98

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).

The lowest speed increase is zero (same speed, just a more reliable connection) and the highest increase is 567% where a T1 line was replaced by a 10MB wireless connection. The CAI-wide average increase in broadband speed is 242%.
This figure wad derived by subtracting new speed from old speed for each CAI yielding a delta percent; averaging all of these, then, provides the overall average of 242%.

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:

N/A. No retail services have been provided as part of this project. Only wholesale services were sold in order to remain in compliance with the Pennsylvania Utility Commission's requirements.

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 standard features include Layer 2 MPLS Ethernet ports and best effort routing with route protection in backbone connections. The base price includes burst capability of up to 25% of contracted bandwidth at no cost if excess capacity is available. The agreements include access to the tower site compound but not tower space or access to the Commonwealth's shelter. Our customers connect to the network through an elevated platform structure where their own secure cabinet can be placed and cabling be routed through existing conduit into our equipment shelter.

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. No subscribers have dropped the services provided through this project.

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. No dark fiber was leased as part of this project.

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
5,436	2,830	0	0

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 Commonwealth of Pennsylvania's switching equipment has been located within our shelters with a fiber jumper between the shelter and an interconnect cabinet within the compound. This interconnect cabinet has been mounted to an elevated platform where our last mile providers have added their own secure cabinet and connected to our network. We have not allowed collocation within our shelters for security reasons.

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. The Commonwealth of Pennsylvania has not made any subcontracts or sub grants.

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

The best practices/lessons learned that we could share with other similar BTOP projects would be to ensure regular meetings of the project team to allow for discussion in depth of project happenings. Monthly, we brought our vendors and staff together for a group discussion.   During these face to face meetings, we dissected each area of the project and discussed any accomplishments as well as potentials for delay. We are sure to address with our vendors any need for feedback between the parties and deadlines that are necessary to ensure continued progress.

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).