

**ANNUAL PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS**

**General Information**

<b>1. Federal Agency and Organizational Element to Which Report is Submitted</b> Department of Commerce, National Telecommunications and Information Administration	<b>2. Award Identification Number</b> NT10BIX5570017	<b>3. DUNS Number</b> 188655898
<b>4. Recipient Organization</b> Executive Office of the Commonwealth of Pennsylvania (Office of Administration) 225 Capitol Building, Harrisburg, PA 17120-0001		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b> 12-31-2012	<b>6. Is this the last Annual Report of the Award Period?</b> <input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>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.</b>		
<b>7a. Typed or Printed Name and Title of Certifying Official</b> Holly Caudill Administrative Officer	<b>7c. Telephone (area code, number and extension)</b> 7174257650	
	<b>7d. Email Address</b> hcaudill@state.pa.us	
<b>7b. Signature of Certifying Official</b> Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b> 03-05-2013	

**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 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 speeds have been advertised to date; however, we have connected to two last mile service providers in order to test the network. The maximum speed that these customers are receiving as part of the test, is 10 Mbps. The "Maximum broadband speed advertised metric" noted in our baseline report was 50Mbps; however, as our project reached the stage of connecting customers to the network, we found that most of the project footprint was not necessarily in need of faster broadband, they instead were in need of reliable service at reasonable pricing. With that in mind, advertising faster speeds is not necessarily a driving force in generating demand.
Maximum broadband speed advertised (Last Mile)	n/a	This is a middle mile project.
Average broadband speed provided (Middle Mile)	10	While we are still negotiating an agreement with three last mile service providers, we have actually connected to two of them in order to test the network. The maximum speed that these customers are currently receiving is 10 Mbps. This "average speed provided" metric differs from our baseline report which noted that we would provide an average of 20 Mbps. This variance can be explained in that the customers we are in the process of negotiating contracts with to date, have requested less bandwidth than we had predicted when the baseline report was created. As additional customers are added to the network, the "average speed provided" is expected to change and more closely align with our baseline.
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)**

N/A. No interconnection agreements have been signed to date; however, we are currently in negotiations with three last mile service providers as well as a few community anchor institutions each with multiple locations in our project footprint. We have not denied any requests for service in 2012.

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

N/A. No peering or transit agreements have been signed to date. Additionally, we have not denied any requests for service in 2012.

**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).**

N/A. No services have been provided to Community Anchor Institutions at this point; however, we are in negotiations with multiple government facilities (state and local) as well as multiple public safety entities that we intend to connect in the 2013 calendar year.

**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 services have been provided at this point.

**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)?**

No services have been provided at this point due to the completion of switching equipment upgrades occurring in mid December of 2012; however, the network management policies that we plan to implement are as follows. Our standard features will include Layer 2 MPLS Ethernet ports and best effort routing with route protection in backbone connections. The base price shall include burst capability of up to 25% of contracted bandwidth at no cost if excess capacity is available. We anticipate that the agreements will also include access to the tower site compound but not tower space or access to the Commonwealth's shelter. We intend to have 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. Only the testing of services has occurred to date as we continue to finalize agreements with our first two last mile service providers.

**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
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**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. There is no plan to lease dark fiber 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
2,700	2,700	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 will be located within our shelters; however, we will run a fiber jumper between the shelter and an interconnect cabinet within the compound. This interconnect cabinet will be mounted to an elevated platform where our last mile providers may add their own secure cabinet and connect to our network. The construction of the platforms is nearing completion as of the writing of this report; however, since they are not complete, they have not been included in the collocation information above. We will not allow 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 practice/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 bring our vendors and staff together for a group discussion. During these face to face meetings, we dissect each area of the project and discuss 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).**