

RECIPIENT NAME: University System of New Hampshire

AWARD NUMBER: NT10BIX5570082

DATE: 03/15/2012

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

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 NT10BIX5570082	3. DUNS Number 111089470
4. Recipient Organization University System of New Hampshire 51 College Road Service Bldg 107, Durham, NH 03824-3585		
5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2011	6. Is this the last Annual Report of the Award Period? <input type="radio"/> Yes <input checked="" 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 Scott A Valcourt Director	7c. Telephone (area code, number and extension) 6038624489	
	7d. Email Address sav@unh.edu	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 03-15-2012	

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)	0	0 at this time due to current construction phase.
Average cost per household passed (Last Mile)	0	0 at this time due to current construction phase.
Average cost per subscriber (Last Mile)	0	0 at this time due to current construction phase.
Maximum broadband speed advertised (Middle Mile)	10GB	No variance from plan.
Maximum broadband speed advertised (Last Mile)	0	0 at this time due to current construction phase.
Average broadband speed provided (Middle Mile)	1.3GB	No variance from plan.
Average broadband speed provided (Last Mile)	0	0 at this time due to current construction phase.

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
University of New Hampshire (also a CAI)	Collocation Facility	Strafford	33017080201
Keene State College (also a CAI)	Collocation Facility	Cheshire	33005971401
DSCI	Collocation Facility	Hillsborough	33011001900

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)

- Interconnection agreements are in place with Keene State College and DSCI corporation.
- We are currently working on interconnection agreements with Plymouth State College, Dartmouth College, NH Community College System, Granite State College, UNH Law in Concord, and Northern Community Investment Organization.
- We have not denied requests for interconnection.

Peering and Transit Agreements (600 words or less)

N/A

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)	159	Public Housing	1
Libraries	234	Other Institutions of Higher Education	8
Medical and Healthcare Providers	197	Other Community Support Organizations	19
Public Safety Entities	134	Other Government Facilities	145
Community Colleges	11	Total Community Anchor Institutions	908

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).

Average broadband speed is estimated to increase to 1.3 GB which is based on averaging their current speed factored with an estimated 20x increase in speed.

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 were provided in 2011.

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)?

7a. We are utilizing BTOP optical network equipment to light fiber between the University of New Hampshire and Keene State College. The equipment is dividing a 10 GB wave into 1 GB VLANS. Bandwidth is being allocated for internet services, video conferencing, and disaster recovery. We use Quality of Service (QOS) for voice and video services.
 7b. No consumers have been limited or blocked from accessing any lawful content, service, service provider, or application, or prevented any consumers from attaching any legal device to the network.

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

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
135,936	0	0	17,280	0	0	118,656

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 leasing in 2011.

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
0	0	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).
 Colocation space is owned.

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).
 None

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

a. Communicate frequently with state and local officials frequently on the project status and benefits it can bring to the region. Focus on what's important, economic, educational, and medical seem to be the hot buttons for our project.

b. Work closely with the state regulatory groups. We meet quarterly to provide updates both positive and negative. In challenging situations we make every effort to work through the problems independently first before reaching out to the regulating authorities. They appreciate the efforts and if it does come time to actually meet over an issue we find them to be more receptive to our project.

c. We've worked very hard on our relationships with the local utility companies. Making adjustments when necessary to accommodate their processes and communicating regularly helps to keep things moving and provides a level of visibility necessary for such a big project.

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).