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	NT10BIX5570115	080490584

4. Recipient Organization

University of Wisconsin System 432 N Lake St, Room 104 , Madison, WI 53706

5. Current Reporting Period End Date (MM/DD/YYYY)	6. Is this the last Annual Report of the Award Period?
12-31-2011	○ 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)
Carol Golisch	X
	7d. Email Address carol.golisch@uwex.edu

7b. Signature of Certifying Official	7e. Date Report Submitted (MM/DD/YYYY):
Submitted Electronically	03-14-2012

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)	$65,488	Network build has just started with initial fiber being installed in late December. Current cost is for very small portion of overall network only (a higher portion of urban and rocky conditions were experienced) and should normalize as more installation takes place in the next year.
Average cost per household passed (Last Mile)	0	No last mile service areas yet installed.
Average cost per subscriber (Last Mile)	0	No last mile service areas yet installed.
Maximum broadband speed advertised (Middle Mile)	40 Mb	Only WiMAX connections are available to date and are limited to Community Anchor Institutions. Maximum speed is 40 Mb and typical speed for WiMAX expected to be around 10 Mb.
Maximum broadband speed advertised (Last Mile)	0	No last mile service areas yet installed.
Average broadband speed provided (Middle Mile)	10 Mb	Only WiMAX connections are available to date and are limited to Community Anchor Institutions. Typical speed for WiMAX is expected to be around 10 Mb.
Average broadband speed provided (Last Mile)	0	No last mile service areas yet installed.

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 attached addendum.	See attached addendum.	See attached addendum.	See attached addendum.

<center>[Add Facility]   [Remove Facility]</center>

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)

1. No interconnection agreements were signed this year.
2. Negotiations are currently underway with two providers.
3. No interconnection agreements have been denied.

Peering and Transit Agreements (600 words or less)

No activity has occurred regarding peering and transit agreements this year.

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)	29	Public Housing	2
Libraries	2	Other Institutions of Higher Education	10
Medical and Healthcare Providers	28	Other Community Support Organizations	17
Public Safety Entities	42	Other Government Facilities	41
Community Colleges	10	Total Community Anchor Institutions	181

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).

10 Mb average improvement: The institutions connected to date are all considered "new" with a previous speed of zero. In all cases, the new broadband connections are accomplished via WiMAX with a typically expected speed of 10Mb. With no previous service, this represents an increase of 10Mb for each institution.

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 will be provided until network is available in last mile service areas.

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)?
Services provided by this project predominantly include simple, large bandwidth connectivity over fiber and using Ethernet equipment owned and operated by the connected institutions. Expected service rates will be limited only by the hardware capacity. All traffic will be allowed to each institution which has the right to filter, limit, or block as needed for that institution.
No rate limits, content filtering, or connectivity restrictions will be applied by UW-Extension or other outside party. Network management policies in each community are under development.
All policies will allow open access, interconnection and promote nondiscrimination.
UW-Extension network management policies are available on our Web site:http://broadband.uwex.edu.

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
67,995	0	0	2,499	11,100	3,400	50,996

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

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).

We are building no new collocation space with grant funds. Existing facilities will be used for interconnection, typically utilizing existing racks in data centers located at technical college and university where other network providers and/or customers may install equipment. We do not anticipate the need for providing actual floor space for customer or provider owned racks. Additional interconnect at a basic fiber-splice level will be available in buried communications vaults throughout the network footprint.

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).
0 - none of our subcontractors are small businesses.

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

Order fiber optic cable immediately; lead times run from 2 months to 12 months. If installation is intended to be direct-bury method, consider installing conduit first, then returning later to install the fiber when the order arrives.
Document all assumptions, calculation methods, and explanations for any reportable information - as much for your own future reference as to satisfy audit requirements.
Consider hiring outside project management help. Where some community partners were having a hard time making progress, bringing in a dedicated person to focus on the project immediately resulted in forward 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).