RECIPIENT NAME: University of Wisconsin System

AWARD NUMBER: NT10BIX5570115 OMB CONTROL NUMBER: 0660-0037 DATE: 03/17/2014 EXPIRATION DATE: 6/30/2015 ANNUAL PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS **General Information** 1. Federal Agency and Organizational Element to 2. Award Identification Number 3. DUNS Number Which Report is Submitted Department of Commerce, National NT10BIX5570115 080490584 Telecommunications and Information Administration 4. Recipient Organization University of Wisconsin System 432 N Lake St, Room 104, Madison, WI 53706 6. Is this the last Annual Report of the Award Period? 5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2013 Yes \bigcirc 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) 6082625975 Mark Dorn 7d. Email Address UW Extension/Controller mark.dorn@uwex.edu 7b. Signature of Certifying Official 7e. Date Report Submitted (MM/DD/YYYY): 03-17-2014 Submitted Electronically

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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)	50,220	Average cost in Baseline Plan was 52,916.
Average cost per household passed (Last Mile)	142	Average cost in Baseline Plan was 167.
Average cost per subscriber (Last Mile)	31,232	Average cost in Baseline Plan was 941. The Baseline Plan assumed 331 residential and 220 business subscribers over a two year growth period. However, actual services were limited to 14 residential subscribers since services did not become available until the last quarter of the project.
Maximum broadband speed advertised (Middle Mile)	40Gb	Baseline Plan was 10Gb. Actual connections for Community Anchor Institutions included one subscriber at 40Gb, 2 subscribers at 20Gb and 12 subscribers at 10Gb. New technology and demands exceeded expectations set three years prior.
Maximum broadband speed advertised (Last Mile)	20Mb	Baseline Plan was 10,000 Mb. Of the 14 actual subscribers connected, eight of them are at 20 Mb. The variance is due to a new understanding of this category since initial application: the baseline value falsely included wholesale backbone circuit sizes. Those wholesale links are excluded in this calculation, leaving just business and residences in last mile service areas.
Average broadband speed provided (Middle Mile)	1874Mb	The baseline plan was 513 Mb. Most new connections are 1Gb. The speeds range from 10 Mb to 40Gb. We calculated the average of all 172 Community Anchor Institutions currently receiving services. The variance is due to more users with high speed connections (10Gb, 20Gb and 40Gb) than initially anticipated.
Average broadband speed provided (Last Mile)	17Mb	Of the 14 actual subscribers connected, eight of them are at 20 Mb, three are at 15Mb and three are at 10Mb. The variance from baseline is due to a new understanding of this category since initial application: the baseline value incorrectly included wholesale backbone circuit sizes. Those wholesale links are excluded here, leaving just business and residences in last mile service areas.

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 addendum	See addendum See addendum		See addendum	
Add Facil	ity	R	emove 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)

- 1. No interconnection agreements were signed this year.
- 2. No negotiations are currently underway.
- 3. No interconnection agreements were denied this year.

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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.

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Type of Community Anchor Institution	Total Number Within Service Area	Type of Community Anchor Institution	Total Number Within Service Area	
Schools (K-12)	32	Public Housing	2	
Libraries	5	Other Institutions of Higher Education	11	
Medical and Healthcare Providers	26	Other Community Support Organizations	16	
Public Safety Entities	20	Other Government Facilities	50	
Community Colleges	10	Total Community Anchor Institutions	172	

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 average broadband speed for 20 UPGRADED connections increased from 734Mb to 4,300 Mb - institutions previously had 20-2,000Mb connections that increased to 1,000 - 20,000Mb. The increase was calculated for each individual site and then averaged together.

The average broadband speed for 152 NEW connections increased from 0 speed to 1.17Gb - institutions considered "new" are institutions never before served by sub recipient. The new connections are typically 1 or 2Gb, with five at 10Gb and one at 40Gb. The increase was calculated for each site and averaged together.

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:

Our last mile service provider is offering High-Speed Internet access delivered via cable modem and fiber architecture to residential customers with speed range from 10-20Mb and price range of \$36.95 - \$56.95 per month. Business customers offerings include high Speed Cable Modems with a low speed of 10Mb at \$89.95 per month to highest Point-to-Point speed of 1,000 Mb for \$2,450 per month.

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 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. 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).

NA

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	Leased Fiber Strand-miles	Total Number of Dark Fiber Strand-miles	Total Number of Strand-miles Being Built			
				Active	Leased	Dark	

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12. If you do not or network (600 word) We are building in racks in data centequipment. We do interconnect at a 13. To the extent the been made to socio 15 U.S.C. 647, as in of these SDB entite to 15 u.S.C. 647, as in of these SDB entite to 16 u.S.C. 647, as in of these SDB entite to 17 u.S.C. 647, as in of these SDB entite to 18 u.S.C. 647, as in of these SDB entite to 19 u.S.C. 647, as in of the 19 u	o new collocation of new colloca	pace, please describe on space with grant for space with grant for space and the need for providing level will be available de any subcontracts of ically disadvantaged is adoption of an alter less). In the space with grant for space and the need for providing disadvantaged is adoption of an alter less). In the space with grant	unds. Existin university when a catual floor sub grants, small busines mative small busines and throughous example and endangered of our key paragred the goals l, construction at in this project aking the number of the connect to you paragred to you paragred the goals l, construction at in this project aking the number of the paragred of the goals l, construction at in this project aking the number of the paragree of the goals l, construction at in this project aking the number of the paragree of the goals l, construction at in this project aking the number of the paragree of the goals l, construction at in this project aking the number of the goals l, construction at l	g facillere other spaces (SDE ousines of the ouse of t	er network providers a ities will be used for ither network providers e for customer or prounications vaults throe provide the number of concerns as defined as size standard for use with other similar BTO chases of project concerns as the confederally-funded puirements, such as the cies. The particle of the particle	ontercores and/o vider o vider o ughout of subcations are in BT of see	ects (900 words than might off the sigement skill se invaluable. In the project of the project o	connect with your ally utilizing existing ay install dditional otprint. grants that have Small Business Act, o provide the names or less). perts are not involved than erwise be the case cheological, aboration with trengths of each ets needed for Our partners have ject successfully. unity Anchor
17. Please provide	e up-to-date netw	ork route maps in a s	ingle file, in a	Googl	le Earth compatible fo	rmat (e.	.g., KMZ file).	