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** NT10BIX5570045	**3. DUNS Number** 161202122

4. Recipient Organization

University of Wisconsin System Research & Sponsored Programs
21 N. Park St., STE 6401, Madison, WI 53715-1218

5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2010	**6. Is this the last Annual Report of the Award Period?** ◯ 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 John P Freeman Accountant	**7c. Telephone (area code, number and extension)** 6088903068
	7d. Email Address jpfreeman@rsp.wisc.edu
7b. Signature of Certifying Official Submitted Electronically	**7e. Date Report Submitted (MM/DD/YYYY):** 01-28-2011

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	We received an Environmental Assessment (EA) Finding of No Significant Impact (FONSI) on 12/23/10 such that no construction occurred in 2010
Average cost per household passed (Last Mile)	0	N/A
Average cost per subscriber (Last Mile)	0	N/A
Maximum broadband speed advertised (Middle Mile)	0	We received an Environmental Assessment (EA) Finding of No Significant Impact (FONSI) on 12/23/10 such that no construction occurred in 2010. We are offering dark fiber such that speed can be anything from 10Mb to 100Gbps.
Maximum broadband speed advertised (Last Mile)	0	N/A
Average broadband speed provided (Middle Mile)	0	We received an Environmental Assessment (EA) Finding of No Significant Impact (FONSI) on 12/23/10 such that no construction occurred in 2010 and our 1 wholesale contract has not begun using MUFN (BTOP-funded) facilities yet.
Average broadband speed provided (Last Mile)	0	N/A

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)

MUFN has entered into 1 interconnection agreement during the reporting period. We are currently and actively negotiating 2 additional interconnection agreements. We have not denied any request for interconnection.

Peering and Transit Agreements (600 words or less)

MUFN has entered into 3 peering agreements at the Network222 Internet peering point we identified in our original proposal to NTIA. We have not entered into any transit agreements. We are not currently negotiating any additional peering or transit agreements and have not denied any requests for peering and transit agreements during the reporting period.

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)	0	**Public Housing**	0
Libraries	0	**Other Institutions of Higher Education**	0
Medical and Healthcare Providers	0	**Other Community Support Organizations**	0
Public Safety Entities	0	**Other Government Facilities**	0
Community Colleges	0	**Total Community Anchor Institutions**	

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 - we received a FONSI on 12/23/10 such that we did not perform any construction in 2010 with BTOP funds.

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 - MUFN is a middle-mile project and is not providing retail services directly to the public. Our pricing plan is attached for the wholesale services we are offering.

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)?
MUFN offers wireline services via fiber optic strands consistent w/ the NTIA BTOP NOFA non-discrimination & network interconnection obligations. MUFN supports network neutrality and will not limit, restrict, prioritize or otherwise hinder system users' access to any lawful Internet content, applications or services of their choice except for reasonable system preservation purposes (e.g. security events).

System users, at their full expense, will be permitted to connect their choice of hardware to dark fiber strands, provided such hardware does not adversely affect the use by and/or electronic or optronic equipment of other system users. General network management policies include: users must pay all initial and ongoing costs to connect to MUFN facilities; system users can request interconnect at MUFN system manholes, handholes, identified interconnection "wire serving or termination" locations and other splice points as determined by MUFN and designated in the course of negotiation; MUFN may route system user fiber through its facilities at MUFN's sole discretion, provided such routing does not materially impact system user's use of facilities; system users shall execute a separate agreement with reasonable terms and conditions for interconnection of MUFN facilities with a 3rd party facilities; MUFN, with 120 day notice and minimized disruption to system user, may at its sole option and full expense, substitute fiber on any fiber segment(s) or portions thereof with an equal number of alternative fiber of like quality and specifications without impact to other portions of an existing agreement; MUFN or its agents will be responsible for performing all "One Call" cable locates and fiber restoration activities and provide notification to system users via a 24x7 NOC

MUFN has never limited or blocked consumers from accessing any lawful content, service, service provider, or application, or prevented any consumer 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
6,057	161	0	1,578	240	1,845	2,473

10. If you wholesale dark fiber, please list your wholesale customers and the number of fiber miles you currently are leasing to those customers:

Mad City Broadband is currently our only wholesale customer. We have not leased any fiber strand-miles to them yet as we did not receive a FONSI until 12/23/10 and therefore did not build any fiber plant yet (and they have not looked to use our existing in-kind plant yet either).

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
13,858	13,645	0	213

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).

MUFN does not have a collocation service offering. Rather, our plan is to permit entities to interconnect to existing and grant-funded fiber infrastructure at over 105 interconnect points (splice cases, patch panels within CAI facilities, Internet peering points). We have leased space at Network222 (an Internet peering point) where other commercial entities offer collocation space within the building (i.e. 5Nines data center, Fiore Company) and other network providers/customers can cross-connect to fiber infrastructure in our leased collocation space (many already do). Finally, individual MUFN consortium members are permitted to negotiate privately with other network providers and customers to offer collocation services within their facility as permitted by law and executive management/board of directors.

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).

We have not made any subcontracts/sub grants to socially and economically disadvantaged small businesses.

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

1. Perform engineering study for aerial fiber installations before hiring a contractor to furnish and install materials such that construction vendors will be able to bid jobs tighter than if engineering is not performed (buffer added).

2. Plot/use of GIS maps with portable shapefiles has been very helpful in order to overlay streets, other utilities, environmental assessment data (i.e. brownfields, wetlands, land use).

3. Sharing of information (i.e. RFPs/bids, problems) among affinity groups such as higher education and state education and research networks has been extremely useful.