QUARTERLY 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 Report of the Award Period?
12-31-2012	○ 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	6088904248
	7d. Email Address
Fiscal Compliance & Reports Manager	carol.golisch@uwex.edu

7b. Signature of Certifying Official	7e. Date Report Submitted (MM/DD/YYYY):
Submitted Electronically	02-12-2013

Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).

During this quarter several significant activities have taken place to assist us in completing the Building Community Capacity through Broadband initiative in a timely fashion.

Construction has resumed throughout the State. During the quarter we had delays in construction in selected areas pending approval of route changes and resolution of environmental issues.

For the overall project, a total of 388 fiber miles have been installed to date. Detail follows.

To date, 263 miles of fiber have been installed in the areas between Summit Lake to Wausau, Wausau to Stevens Point, Stevens Point to Eau Claire, Eau Claire to Superior, and Platteville to Madison.

For the Chippewa Valley, a total of 118 miles of fiber has been installed to date. Fiber splicing, electronics installation and testing continue with 40 Community Anchor Institutions connected thus far. In Chippewa Valley, tower installation has occurred for four of the 15 sites planned for the community. Procurement steps are in final stages for the remaining towers with installation to be completed next spring.

For Platteville, a total of 4 miles of fiber has been installed to date. For Wausau, construction continued this quarter with fiber installation and network testing to occur next quarter. For Superior, all 3 miles of fiber has been installed. Expectations are that all remaining construction for these three communities will be completed next spring.

We are still on target to complete the project by the end of the grant period.

Much of our community outreach is conducted through a separate Sustainable Broadband Adoption grant. Notable highlights include continuing discussions to develop a sustainability plan for the network after the grant ends and continuation of outreach and educational programming this quarter.

A total of 1.15 jobs were created this quarter.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	78	Actual recorded federal and match spending for network build are lower caused by build delays due to late receipt of the Finding of No Significant Impact and environmental permitting delays in 2012.
2b.	Environmental Assessment	100	Actual spending exceeds budget. Initial assessment is complete.
2c.	Network Design	29	Design activity is complete. Full budget will not be spent since outside consultants were not utilized to the extent originally budgeted.
2d.	Rights of Way	100	Activity is complete.
2e.	Construction Permits and Other Approvals	74	Permitting is underway. See 2a above.
2f.	Site Preparation	0	NA
2g.	Equipment Procurement	0	NA
2h.	Network Build (all components - owned, leased, IRU, etc)	82	Construction is underway. See 2a above.
2i.	Equipment Deployment	62	Much of the new equipment purchases are on hold until tower installation occurs next quarter.
2j.	Network Testing	97	Purchase of network testing equipment is complete.
2k.	Other (please specify): Fiscal and Project Management	77	Staff expenses are not likely to meet budget. Project expenses at the start of project were not as high as originally planned.

3. To the extent not covered above, please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

Tower construction for three more towers is almost complete. Local zoning issues remain for just one of the 15 tower sites.

The final outstanding environmental issues were resolved early in the quarter. Construction continued in earnest through the end of the quarter with the mild winter start.

A river crossing near Wausau was originally intended to be an underwater bore, but dense rock was encountered when the bore was attempted. Alternate plans were considered and an attachment to the adjacent bridge was selected as the preferred alternative. NTIA

was instrumental in getting the change in installation method approved quickly. Final approval from Wisconsin Department of Transportation is expected soon and installation should be completed in Q1, 2013, thereby providing a path sought by third party providers.

4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative column if your project does not include this activity. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	388	Baseline plan has 584. Delayed receipt of the Finding of No Significant Impact delayed the start of network build. The extensive review required for environmental permitting also delayed construction.
New network miles leased	0	NA
Existing network miles upgraded	0	See explanation for new miles deployed above.
Existing network miles leased	0	NA
Number of miles of new fiber (aerial or underground)	388	See explanation for new miles deployed above.
Number of new wireless links	56	Baseline has 101 links. See explanation for new miles deployed above.
Number of new towers	1	Baseline has 12 new towers. See explanation for new miles deployed above. Three towers are almost complete. Construction contracts were being finalized for the remaining towers.
Number of new and/or upgraded interconnection points	0	See explanation for new miles deployed above.

For questions 5 and 6 please include information relating to agreements that you are negotiating or have entered into, or that your sub recipient, contractor or subcontractor is negotiating or entered into.

5a. If applicable, please provide the following information with regard to agreements with broadband wholesalers and/or last mile providers as a result of your project.

Indicators	
Number of signed agreements with broadband wholesalers or last mile providers	1
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	3
Average term of signed agreements (in quarters)	12

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:
We have a signed agreement with Packerland Broadband as sub recipient.

5c. What wholesale services are being provided by this project? Please describe below. As an attachment to this report, please provide pricing plans (in $ per month) associated with each wholesale service provided by your product (100 words or less). Wholesale services description:
As sub recipient, Packerland Broadband will receive access to dark fiber. Packerland Broadband will provide wholesale services to third party provider. Specific pricing plans for those services are not yet available.

5d. If you have designated a third party to operate all or a portion of your network, please provide the name and contact information for this third party, indicate if this entity is a sub recipient, contractor, and/or subcontractor, and describe with specificity the portion of your network this this third party operates (600 words or less).
The following subrecipients will be operating a portion of the network as indicated below:
Packerland Broadband, (800) 236-8434 in Iron Mountain MI, for long haul, wholesale and last mile providers,
WiscNet, (608) 265- 6761 in Madison WI, for the long haul connections as the Research and Education operator for the University of Wisconsin System,
Chippewa Valley Inter-Networking Consortium, (715) 723-0341, for the Chippewa Valley area,
Northcentral Technical College, (715) 675-3331 in Wausau, for the Wausau Community Area Network,

Platteville Community Area Network, (608) 342-1491, for the Platteville area, and
University of Wisconsin-Superior, (715) 394-8101 in Superior, for the Superior Community Area Network.

6. Please provide the data according to the type of subscriber. Write "0" in the Total column and "N/A" in the Narrative column if your project does not pass or serve a particular subscriber type. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (300 words or less).

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Broadband Wholesalers or Last Mile Providers	**Providers with signed agreements receiving new access**	0	Baseline plan has 1. Delayed receipt of the Finding of No Significant Impact delayed the start of network build. The extensive review required for environmental permitting also delayed construction.
	Providers with signed agreements receiving improved access	0	NA
	Providers with signed agreements receiving access to dark fiber	1	Baseline plan has 11. See explanation above.
	Please identify the speed tiers that are available and the number of subscribers for each	0	See explanation above.
Community Anchor Institutions (including Government institutions)	**Total subscribers served**	40	Baseline plan has 1. Delayed receipt of the Finding of No Significant Impact delayed the start of network build. The extensive review required for environmental permitting also delayed construction.
	Subscribers receiving new access	37	See explanation above.
	Subscribers receiving improved access	3	See explanation above.
	Please identify the speed tiers that are available and the number or subscribers for each	1,000	1000 Mb (1Gb) is the most common connection speed. One subscriber is at 40 Gb, 3 subscribers are at 10 Gb, the other 36 subscribers are at 1 Gb.
Residential / Households	**Entities passed**	0	Baseline plan has 3,098 entities passed. Delayed receipt of the Finding of No Significant Impact delayed the start of network build. The extensive review required for environmental permitting also delayed construction.
	Total subscribers served	0	See explanation above.
	Subscribers receiving new access	0	See explanation above.
	Subscribers receiving improved access	0	See explanation above.
	Please identify the speed tiers that are available and the number of subscribers for each	0	See explanation above.
Businesses	**Entities passed**	0	Baseline plan has 550 entities passed. Delayed receipt of the Finding of No Significant Impact delayed the start of network build. The extensive review required for environmental permitting also delayed construction.
	Total subscribers served	0	See explanation above.
	Subscribers receiving new access	0	See explanation above.
	Subscribers receiving improved access	0	See explanation above.
	Please identify the speed tiers that are available and the number of subscribers for each	0	See explanation above.

7. Please describe any special offerings you may provide (600 words or less).

No special offerings have been provided.

8a. Have your network management practices changed over the last quarter?	○ Yes	◉ No

8b. If so, please describe the changes (300 words or less).

A copy of our network management policies can be found on our website at http:/broadband.uwex.edu.

9. Community Anchor Institutions:
Using the table below, please provide a list by service area of the community anchor institutions (including Government institutions) connected to your network as a result of BTOP funds. Figures should be reported for the most recent reporting quarter only (NOT cumulatively). Also indicate whether your organization is currently providing broadband service to the anchor institution. Finally, provide a short narrative description with examples of how institutions are using BTOP-funded infrastructure (300 words or less).

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
Altoona High School	Altoona	K12	No	Deliver educational services to school district residents
Altoona City Hall	City of Altoona	Public Safety	No	Deliver public safety services to area residents
City of Altoona	City of Altoona	Other Government	No	Deliver other government services to area residents
Chippewa County Courthouse Tower	Chippewa County	Public Safety	No	Deliver public safety services to area residents
Eau Claire City Park Towers	City of Eau Claire	Public Housing	No	Deliver public housing services to area residents
Eau Claire City Stoplights 21 intersections	City of Eau Claire	Public Safety	No	Deliver public safety services to area residents
Eau Claire City Carson Park	City of Eau Claire	Other Government	No	Deliver other government services to area residents
Eau Claire City Owen Rust Apartments	City of Eau Claire	Public Housing	No	Deliver public housing services to area residents
Sacred Heart Hospital	Eau Claire	Healthcare	No	Deliver healthcare services to area residents
CVTC - Menomonie	Menomonie	Community College	No	Deliver educational services to area residents
Luther Midelfort Menomonie HomeCare	Menomonie	Healthcare	No	Deliver healthcare services to area residents
UW - Stout	Menomonie	Other Institution of Higher Education	No	Deliver educational services to area residents

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).

With the exception of some fiber pulling, fiber network construction will be halted until spring thaw allows construction to continue. Tower construction will continue on nine new towers currently in progress as will equipment installation at four collocation sites. Construction of the last new tower will begin after the spring thaw. All communities will be working on connecting their Community Anchor Institutions.
Key activities this quarter include negotiating contracts for ongoing fiber maintenance (notably locates and repairs) and refining network operating budgets.

Key project performance indicators for this quarter (cumulative):
New network miles installed: 422
Total Community Anchor Institutions connected: 65
Signed agreement for broadband or last mile providers: 2

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Planned Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from

award inception to the end of the next reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2a.	Overall Project	83	Actual recorded federal and match spending for network build are lower caused by build delays due to late receipt of the Finding of No Significant Impact and the further delays in 2012 pending negotiations between NTIA and U.S. Fish and Wildlife Services regarding the Karner Blue Butterfly. Given the success with construction catch up last quarter, we plan to complete construction before the end of the grant.
2b.	Environmental Assessment	100	Activity is complete.
2c.	Network Design	31	Outside consultants have not been required to the extent originally planned.
2d.	Rights of Way	100	Activity is complete.
2e.	Construction Permits and Other Approvals	74	See explanation in 2a above.
2f.	Site Preparation	0	NA
2g.	Equipment Procurement	0	NA
2h.	Network Build (all components - owned, leased, IRU, etc.)	87	See explanation in 2a above.
2i.	Equipment Deployment	62	See explanation in 2a above.
2j.	Network Testing	97	Purchase of network testing equipment is complete.
2k.	Other (please specify): Fiscal and Project Management	87	Staff expenses are not likely to meet budget. Early project expenses were not as high as originally planned.

3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

There is some danger of a prolonged winter that will not allow construction to resume until after the end of the quarter, which will compress the schedule through the rest of the project but should not threaten the overall ability to finish the project on time.

A specific challenge has emerged in the long haul portion of the project where considerable rock has been found. Changes to installation techniques may be required to avoid a budget shortfall. Detailed analysis of terrain in question is being conducted at this time and we expect to submit any needed change requests to our BTOP program officer shortly.

Infrastructure Budget Execution Details

Activity Based Expenditures (Infrastructure)

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Cost Classification	Budget for Entire Project			Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Administrative and legal expenses	$1,660,444	$498,133	$1,162,311	$1,262,279	$74,367	$1,187,912	$1,429,304	$74,367	$1,354,937
b. Land, structures, right-of-ways, appraisals, etc.	$3,805,578	$1,141,673	$2,663,905	$2,185,005	$1,509,000	$676,005	$2,428,995	$1,661,000	$767,995
c. Relocation expenses and payments	$0	$0	$0	$0	$0	$0	$0	$0	$0
d. Architectural and engineering fees	$1,791,619	$537,486	$1,254,133	$797,272	$60,871	$736,401	$842,705	$60,871	$781,834
e. Other architectural and engineering fees	$7,500	$2,250	$5,250	$7,500	$7,500	$0	$7,500	$7,500	$0
f. Project inspection fees	$0	$0	$0	$0	$0	$0	$0	$0	$0
g. Site work	$0	$0	$0	$0	$0	$0	$0	$0	$0
h. Demolition and removal	$0	$0	$0	$0	$0	$0	$0	$0	$0
i. Construction	$28,819,806	$8,669,749	$20,150,057	$24,572,272	$7,787,880	$16,784,392	$25,872,809	$8,241,159	$17,631,650
j. Equipment	$6,553,615	$1,966,084	$4,587,531	$4,480,278	$550,000	$3,930,278	$4,742,484	$550,000	$4,192,484
k. Miscellaneous	$88,182	$26,455	$61,727	$34,006	$33,658	$348	$34,006	$33,658	$348
l. SUBTOTAL (add a through k)	$42,726,744	$12,841,830	$29,884,914	$33,338,612	$10,023,276	$23,315,336	$35,357,803	$10,628,555	$24,729,248
m. Contingencies									
n. TOTALS (sum of l and m)	$42,726,744	$12,841,830	$29,884,914	$33,338,612	$10,023,276	$23,315,336	$35,357,803	$10,628,555	$24,729,248

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: $0	b. Program Income to Date: $0