

QUARTERLY 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 NT10BIX5570153	3. DUNS Number 025488169
4. Recipient Organization Ocean State Higher Education Economic Development Administrative Network 6946 Post Rd., Ste 402, North Kingstown, RI 02852-7613		
5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2011	6. Is this the last 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 Alison Ferreira	7c. Telephone (area code, number and extension) 401 886088 X203	
	7d. Email Address alison@oshean.org	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 02-10-2012	

Project Indicators (This Quarter)

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

Network Design

The network design for Beacon 2.0 is complete, save any change orders that may be required for minimal alterations to proposed Community Anchor Institution (CAIs) laterals, and minor backbone route adjustments.

Site Preparation

Site preparation at the four Massachusetts Optical node locations is complete. In Rhode Island, site preparation for five Optical node locations are complete; a power distribution unit was ordered for the final node location. Delivery and installation of the power distribution unit is expected in 2012 Q1, at which time all site preparation efforts will be complete.

Equipment Procurement

Ocean State Higher Education Economic Development and Administrative Network executed its optical equipment contract with Atrion Networking Corporation. During the quarter, OSHEAN received the DWDM optical equipment required for its optical nodes. In November, a second equipment order as placed for the CPT50 optical gear required for CAI connectivity. As of the close of the quarter, approximately fifty (50) percent of the CPT50 optical equipment was received.

Network Build

In Rhode Island, two hundred forty six (246) miles of backbone fiber have been installed by Cox Communications. In Providence County, one hundred seventy four (174) miles of the 246 miles were tested and accepted by OSHEAN. The remaining seventy two (72) miles were installed in Kent County. These miles of fiber are expected to be tested and turned over to OSHEAN in 2012 Q1. The fiber for thirty (38) Community Anchor Institution (CAI) laterals has been installed. OSHEAN has tested and accepted the fiber for two (2) of those CAIs. Grounding and testing of the remaining thirty six (36) CAI laterals is scheduled for 2012 Q3. In Massachusetts, Sidera Networks completed the licensing and make-ready work required for the fiber installation. Community Anchor Institution site visits continue in both states.

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	51	See Below.
2b.	Environmental Assessment	0	N/A
2c.	Network Design	100	The core network design for Beacon 2.0 is complete. The only foreseen need for further network design efforts result from any required Change Orders for Community Anchor Institution laterals.
2d.	Rights of Way	0	N/A
2e.	Construction Permits and Other Approvals	0	N/A
2f.	Site Preparation	14	Massachusetts site prep efforts are complete. Site prep at five Rhode Island node locations are complete. One Rhode Island node only requires installation of a power distribution unit. Preparation efforts are projected to be under budget overall.
2g.	Equipment Procurement	99	The Cisco 15454 and CPT50 optical equipment was ordered; a majority of the equipment was delivered.
2h.	Network Build (all components - owned, leased, IRU, etc)	56	In Rhode Island, two hundred forty six (246) miles of backbone fiber have been installed by Cox Communications. In Providence County, one hundred seventy four (174) miles of the 246 miles were tested and accepted by OSHEAN. The remaining seventy two (72) miles were installed in Kent County. These miles of fiber are expected to be tested and turned over to OSHEAN in 2012 Q1. The fiber for thirty (38) Community Anchor Institution (CAI) laterals has been installed. OSHEAN has tested and accepted the fiber for two (2) of those CAIs. Grounding and testing of the remaining thirty six (36) CAI laterals is scheduled for 2012 Q3. In Massachusetts, Sidera Networks completed

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
			the licensing and make-ready work required for the fiber installation. Community Anchor Institution site visits continue in both states.
	2i. Equipment Deployment	100	Actual % = 179% Because of an increase in professional service expense required to deploy the optical equipment, over 100% of the baseline projected funds have been expended. However, actual deployment efforts are only approximated at 15% completion.
	2j. Network Testing	13	Network testing of the Providence county Backbone fiber in Rhode Island was performed.
	2k. Other (please specify):	50	A better valuation of "Other" which includes Community Outreach efforts, audit, etc. has allowed for a proper representation of milestone completion percentages. This has no impact on major milestones required by the grant.

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).

None

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	0	N/A
New network miles leased	174	Priority has been placed on leased (IRU) fiber deployment. In Providence County, RI, 174 miles were tested and accepted by OSHEAN.
Existing network miles upgraded	0	Zero existing network miles upgraded during this period due to a minimal delay in optical equipment delivery. This has no impact on major milestones required by the grant.
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	0	Zero miles of new fiber during this period. Priority has been placed on leased (IRU) fiber deployment.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	0	Zero new or upgraded interconnection points during this period due to a minimal delay in optical equipment delivery. This has no impact on major milestones required by the grant.

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	0
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
Average term of signed agreements (in quarters)	0

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:
N/A

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:
N/A

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 third party operates (600 words or less).
N/A

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	N/A
	Providers with signed agreements receiving improved access	0	N/A
	Providers with signed agreements receiving access to dark fiber	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Community Anchor Institutions (including Government institutions)	Total subscribers served	2	Subscriber connections are ahead of the baseline schedule because Rhode Island fiber deployment is ahead of schedule.
	Subscribers receiving new access	0	Zero subscribers received new access during this period
	Subscribers receiving improved access	2	Subscriber connections are ahead of the baseline schedule because Rhode Island fiber deployment is ahead of schedule.
	Please identify the speed tiers that are available and the number or subscribers for each	2	Subscribers will have access to 1GigE and 10GigE speed tiers.
Residential / Households	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Businesses	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

7. Please describe any special offerings you may provide (600 words or less).
None.

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

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

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 BTOF 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 BTOF-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 BTOF-funded infrastructure
Roger Williams Medical Center	Providence County, RI	Hospital	No	When the Beacon 2.0 backbone is lit, Roger Williams Medical Center will use the broadband connection to connect to its multi-hospital network.
Our Lady of Fatima Hospital	Providence County, RI	Hospital	No	When the Beacon 2.0 backbone is lit, Our Lady of Fatima Hospital will use the broadband connection to connect to its multi-hospital network.

Project Indicators (Next Quarter)

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

Network Design
The network design for Beacon 2.0 will be complete, save any change orders that may be required for minimal alterations to proposed Community Anchor Institution laterals, and minor backbone route adjustments.

Site Preparation
Site preparation efforts are scheduled to be 100% complete.

Equipment Procurement
Ocean State Higher Education Economic Development and Administrative Network (OSHEAN) expects to complete all equipment procurement efforts.

Network Build
In Rhode Island, seventy two (72) miles of Kent County backbone fiber are expected to be tested and accepted by OSHEAN. Cox is scheduled to begin the Washington County fiber installation. The connections for fifteen (15) Community Anchor Institution (CAI) laterals are scheduled. Testing of the Providence County IRU fiber is scheduled for testing. In Massachusetts, Sidera is expected to begin pulling fiber in Plymouth and Bristol counties.

Equipment Deployment.

OSHEAN expects to deploy the Cisco 15454 optical equipment at its node locations.

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	60	See Below.
2b.	Environmental Assessment	0	N/A
2c.	Network Design	100	The core network design for Beacon 2.0 is complete. The only foreseen need for further network design efforts result from any required Change Orders for Community Anchor Institution laterals.
2d.	Rights of Way	0	N/A
2e.	Construction Permits and Other Approvals	0	N/A
2f.	Site Preparation	15	All Site Prep requirements are expected to be completed. Preparation efforts are projected to be under budget overall.
2g.	Equipment Procurement	100	All optical equipment is expected to be ordered and delivered during this quarter.
2h.	Network Build (all components - owned, leased, IRU, etc.)	59	Kent County, RI fiber totalling 72 miles is expected to be tested and accepted by OSHEAN. Cox is scheduled to begin the 78 mile build in Washington County, RI. Sidera is scheduled to begin pulling fiber in Bristol and Plymouth Counties, MA. OSHEAN expects 15 Community Anchor Institution laterals to be installed during this quarter.
2i.	Equipment Deployment	100	Cisco 15454 optical equipment will be installed at the optical node locations.
2j.	Network Testing	25	The Kent County, RI backbone fiber will be tested.
2k.	Other (please specify):	56	No major change from baseline.

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).

None.

