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** NT10BIX5570024	**3. DUNS Number** 009095365

4. Recipient Organization

University of Utah, The 201 Presidents Cir., Rm 408, Salt Lake City, UT 84112-9023

5. Current Reporting Period End Date (MM/DD/YYYY) 03-31-2013	**6. Is this the last 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 Lisa Kuhn Dir. of Finance UIT	**7c. Telephone (area code, number and extension)** 8015853224
	7d. Email Address Lkuhn@media.utah.edu
7b. Signature of Certifying Official Submitted Electronically	**7e. Date Report Submitted (MM/DD/YYYY):** 05-31-2013

Project Indicators (This Quarter)

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

During the first quarter of 2013, the University of Utah / Utah Education Network (U of U/UEN) received approval for an extension to complete the build out of two Community Anchor Institutions (CAIs) in our project. This approval extends our grant deadline to May 31, 2013. During this period the U of U/UEN has also contracted four (4) additional IRUs to further develop network ring infrastructure that serves community institutions and will include procurement of additional networking equipment needed to support these new paths. A fifth (5) IRU contract is expected to be signed in April.

Four (4) new CAIs have been added to the project during the extension period for a project total of one hundred forty-four (144). The U of U/UEN has completed connectivity to seven (7) CAIs during this first quarter of 2013, for a total of one hundred forty-two (142) completed CAIs.

The U of U/UEN has completed the installation of over fifty-seven (57) new fiber miles (99% of the project total). An additional Seventy-five (75) new leased fiber miles have been added to the project in the form of IRUs, for a total of fourteen hundred nineteen (1,419) new leased fiber miles. The U of U/ has completed installation of thirteen hundred eighty (1,380) of these new leased fiber miles.

The U of U/UEN continues to develop and provide community outreach materials in support of this project.

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	66	This milestone is behind schedule. Although project implementation is near completion the amount of federal funds spent to date is less than the completed network build out indicates. The U of U/UEN billing process does not permit pre-payment and invoicing by sub-recipients is not made until all work is completed. For this reason the draw down of federal funds is delayed and follows behind the completion of construction and network build out activities.
2b.	Environmental Assessment	100	The NTIA approved the U of U/UEN Environmental Assessment and issued a Finding of No Significant Impact (FONSI) in November of 2010.
2c.	Network Design	100	All network designs and contracts with Telecommunication Providers have been completed.
2d.	Rights of Way	100	All Rights of Way for this project have been approved and build out is underway.
2e.	Construction Permits and Other Approvals	100	All Construction Permits have been granted and build out is underway.
2f.	Site Preparation	66	This milestone is behind schedule. Although project implementation is near completion the amount of federal funds spent to date is less than the completed network build out indicates. The U of U/UEN billing process does not permit pre-payment and invoicing by sub-recipients is not made until all work is completed. For this reason the draw down of federal funds is delayed and follows behind the completion of construction and network build out activities.
2g.	Equipment Procurement	100	All equipment procurement for this project is completed.
2h.	Network Build (all components - owned, leased, IRU, etc)	66	This milestone is behind schedule. Although project implementation is near completion the amount of federal funds spent to date is less than the completed network build out indicates. The U of U/UEN billing process does not permit pre-payment and invoicing by sub-recipients is not made until all work is completed. For this reason the draw down of federal funds is delayed and follows behind the completion of construction and network build out activities.

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2i.	Equipment Deployment	66	This milestone is behind schedule. Although project implementation is near completion the amount of federal funds spent to date is less than the completed network build out indicates. The U of U/UEN billing process does not permit pre-payment and invoicing by sub-recipients is not made until all work is completed. For this reason the draw down of federal funds is delayed and follows behind the completion of construction and network build out activities.
2j.	Network Testing	66	This milestone is behind schedule. Although project implementation is near completion the amount of federal funds spent to date is less than the completed network build out indicates. The U of U/UEN billing process does not permit pre-payment and invoicing by sub-recipients is not made until all work is completed. For this reason the draw down of federal funds is delayed and follows behind the completion of construction and network build out activities.
2k.	Other (please specify): N/A	0	N/A

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).

The U of U/UEN's major challenges during this quarter have been related to construction activities. Specifically, crushed conduit and blocked inner-duct during fiber installations. None of these obstacles could be anticipated, but required substantial time and manpower to resolve. These delays created enough slippage in the project schedule to cause the U of U/UEN to miss the milestone for CAIs connected for the 4th quarter. The U of U/UEN received approval from the NTIA for an extension to complete installation of these outstanding CAIs.

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	57	This milestone is behind schedule. Obstacles encountered during installation, such as crushed conduit, have delayed the installation at some locations, slipping our implementation schedule. Despite this delay, ninety-nine (99) percent of the total number of new fiber miles has been installed. As such, UEN will miss this milestone for the quarter.
New network miles leased	1,380	This milestone is on schedule and accounts for 97% of the total number of leased fiber miles for the project.
Existing network miles upgraded	0	No variance to Baseline Report
Existing network miles leased	0	No variance to Baseline Report
Number of miles of new fiber (aerial or underground)	57	This milestone is behind schedule. Obstacles encountered during installation, such as crushed conduit, have delayed the installation at some locations, slipping our implementation schedule. Despite this delay, ninety-nine (99) percent of the total number of new fiber miles has been installed. As such, UEN will miss this milestone for the quarter.
Number of new wireless links	0	No variance to Baseline Report
Number of new towers	0	No variance to Baseline Report
Number of new and/or upgraded interconnection points	142	This milestone is on schedule. Four (4) additional CAIs were added to the project during the extension period, all but two (2) CAIs are connected or ninety-nine (99) percent of the project total.

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	7
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
Average term of signed agreements (in quarters)	40

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers:
1. Qwest Communications Corporation / CenturyLink
2. UTOPIA (Utah Telecommunications Open Infrastructure Agency)
3. CentraCom Interactive
4. Wireless Beehive
5. Syringa Networks
6. Zayo
7. Integra

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:
The U of U/UEN is not a wholesale provider. Our BTOP project will deliver broadband connections to specific CAIs working with incumbent Telecommunications Providers who will provision critical fiber infrastructure to the CAI end sites. These Telecommunications Providers intend to make sue of this infrastructure by offering telecommunication services to residential and business customers on a retail basis in these service areas.

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).
All of the following Telecommunications Partners are sub recipients and will operate a portion of the U of U/UEN network. They will be providing the U of U/UEN with an end to end service that includes responsibility for monitoring, managing and maintaining the fiber physical infrastructure as well as the optical transport equipment. In all cases this includes Customer Premise Equipment (CPE) that will require on site access by the Telecommunications Partners for troubleshooting and or maintenance of this equipment.
1. Qwest Communications Corporation / CenturyLink (sub recipient) - Salt Lake City, Utah, (800) 899-7780
2. UTOPIA (sub recipient) - West Valley City, Utah, (801) 613-3800
3. CentraCom Interactive (sub recipient) - Fairview, Utah, (800) 427-8449
4. Wireless Beehive (sub recipient) - Lakepoint, Utah, (435) 837-6000

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	All four sub-recipients that we have entered into agreements with have existing service.
	Providers with signed agreements receiving improved access	7	U of U/UEN has entered into agreements with four (4) providers that will see improvements to existing services Three others are in support of fiber IRUs. Since the original submission of the U of U/UEN grant application and Baseline Report projections, several providers were not able to meet all of the Special Award Conditions and elected to opt out of the project, while other providers have been added for a total of seven (7) signed agreements. It is for these reasons there is a discrepancy with the Baseline Report.
	Providers with signed agreements receiving access to dark fiber	0	There are no dark fiber segments included in this project which is consistent with the Baseline Report.
	Please identify the speed tiers that are available and the number of subscribers for each	6	100000 Mbps = 1, 10000 Mbps = 4, 1000 Mbps = 7, 100 Mbps = 7, 10 Mbps = 7, 2 Mbps = 7
Community Anchor Institutions (including	Total subscribers served	142	The U of U/UEN has successfully completed connectivity to one hundred forty-two (142) CAIs. Four (4) additional CAIs were

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Government institutions)			added to the project during the extension period, all but two (2) CAIs are connected or ninety-nine (99) percent of the project total. ~~None of the CAI installations completed is receiving new access.~~ This is consistent with the Baseline Report.
	Subscribers receiving new access	0	
	Subscribers receiving improved access	142	All of the CAI installations completed are receiving improved access. This is consistent with the Baseline Report.
	Please identify the speed tiers that are available and the number or subscribers for each	6	100000 Mbps = 0, 10000 Mbps = 4, 1000 Mbps = 85, 100 Mbps = 41, 10 Mbps = 11, 2 Mbps = 1
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
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).
The U of U/UEN is not providing any special offerings.

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

8b. If so, please describe the changes (300 words or less).
The U of U/UEN has not changed its Network Management Practices during this past quarter.

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
Weber State University	**Ogden, Utah**	**Other Institutions of Higher Eduation**	**Yes**	**BTOP funding is providing the network infrastructure necessary for the CAI to connect to the U of U/UEN backbone and access Wide Area Network (WAN) services.**
Salt Lake Community College	**Salt Lake City, Utah**	**Other Institutions of Higher Eduation**	**Yes**	**BTOP funding is providing the network infrastructure necessary for the CAI to connect to the U of U/UEN backbone and access Wide Area Network (WAN) services.**

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
Utah Valley University	Orem, Utah	Other Institutions of Higher Eduation	Yes	BTOP funding is providing the network infrastructure necessary for the CAI to connect to the U of U/UEN backbone and access Wide Area Network (WAN) services.
Brigham Young University	Provo, Utah	Other Institutions of Higher Eduation	Yes	BTOP funding is providing the network infrastructure necessary for the CAI to connect to the U of U/UEN backbone and access Wide Area Network (WAN) services.
Ogden Weber Community Action Partnership Head Start Annex	Ogden, Utah	School (K-12)	Yes	BTOP funding is providing the network infrastructure necessary for the CAI to connect to the U of U/UEN backbone and access Wide Area Network (WAN) services.
Majestic Head Start Center	West Jordan, Utah	School (K-12	Yes	BTOP funding is providing the network infrastructure necessary for the CAI to connect to the U of U/UEN backbone and access Wide Area Network (WAN) services.
Catherine C. Hoskins Head Start Center	West Valley City, Utah	School (K-12	Yes	BTOP funding is providing the network infrastructure necessary for the CAI to connect to the U of U/UEN backbone and access Wide Area Network (WAN) services.

Project Indicators (Next Quarter)

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

The U of U/UEN is continuing to focus on completing the network build out, installation and turn up of the remaining CAIs. The U of U/UEN is scheduled to complete the Broadband Opportunities Program Project, Utah Anchors; A Community Broadband Project by the end of the grant period on May 31, 2013. These activities will include signing a contract for one remaining IRU, installation and turn up of two (2) remaining CAIs and the remaining installation of network and optical equipment.

a. New network miles deployed = 58

b. New network miles leased = 1,419

c. Existing network miles upgraded = 0

d. Existing network miles leased = 0

e. Total CAI subscribers served (CAIs connected) = 144

f. Number of signed agreements with broadband wholesalers or last mile providers = 7

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	93	The U of U/UEN is projecting that the Utah's Broadband Technologies Program project, Utah Anchors: A Community Broadband Project, will be completed in the 2nd quarter of 2013. Aside from some invoicing and related payments that may carry over into the 3rd quarter of 2013, the projection for overall percentage of completion represents actual expenditures. The actual costs for construction activities were less than budgeted.
2b.	Environmental Assessment	100	No variance to Baseline Report.
2c.	Network Design	100	No variance to Baseline Report.
2d.	Rights of Way	100	No variance to Baseline Report.
2e.	Construction Permits and Other Approvals	100	No variance to Baseline Report.
2f.	Site Preparation	93	The U of U/UEN is projecting that the Utah's Broadband Technologies Program project, Utah Anchors: A Community Broadband Project, will be completed in the 2nd quarter of 2013. Aside from some invoicing and related payments that may carry over into the 3rd quarter of 2013, the projection for overall percentage of completion represents actual expenditures. The actual costs for construction activities were less than budgeted.
2g.	Equipment Procurement	100	No variance to Baseline Report.

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2h.	Network Build (all components - owned, leased, IRU, etc.)	93	The U of U/UEN is projecting that the Utah's Broadband Technologies Program project, Utah Anchors: A Community Broadband Project, will be completed in the 2nd quarter of 2013. Aside from some invoicing and related payments that may carry over into the 3rd quarter of 2013, the projection for overall percentage of completion represents actual expenditures. The actual costs for construction activities were less than budgeted.
2i.	Equipment Deployment	93	The U of U/UEN is projecting that the Utah's Broadband Technologies Program project, Utah Anchors: A Community Broadband Project, will be completed in the 2nd quarter of 2013. Aside from some invoicing and related payments that may carry over into the 3rd quarter of 2013, the projection for overall percentage of completion represents actual expenditures. The actual costs for construction activities were less than budgeted.
2j.	Network Testing	93	The U of U/UEN is projecting that the Utah's Broadband Technologies Program project, Utah Anchors: A Community Broadband Project, will be completed in the 2nd quarter of 2013. Aside from some invoicing and related payments that may carry over into the 3rd quarter of 2013, the projection for overall percentage of completion represents actual expenditures. The actual costs for construction activities were less than budgeted.
2k.	Other (please specify): N/A	0	N/A

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).

The U of U/UEN will closeout our BTOP project, Utah Anchors; A Community Broadband Project effective May 31st, 2013.

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	$3,500	$3,500	$0	$3,490	$3,490	$0	$3,490	$3,490	$0
b. Land, structures, right-of-ways, appraisals, etc.	$0	$0	$0	$0	$0	$0	$0	$0	$0
c. Relocation expenses and payments	$0	$0	$0	$0	$0	$0	$0	$0	$0
d. Architectural and engineering fees	$1,273,375	$14,375	$1,259,000	$1,069,626	$14,375	$1,055,251	$1,084,626	$14,375	$1,070,251
e. Other architectural and engineering fees	$0	$0	$0	$0	$0	$0	$0	$0	$0
f. Project inspection fees	$0	$0	$0	$0	$0	$0	$0	$0	$0
g. Site work	$685,185	$229,597	$455,588	$447,923	$107,801	$340,122	$449,923	$109,801	$340,122
h. Demolition and removal	$0	$0	$0	$0	$0	$0	$0	$0	$0
i. Construction	$7,742,930	$1,908,078	$5,834,852	$5,738,097	$1,434,263	$4,303,834	$6,938,980	$1,734,484	$5,204,496
j. Equipment	$7,150,931	$1,430,186	$5,720,745	$3,668,965	$733,790	$2,935,175	$7,177,255	$1,435,451	$5,741,804
k. Miscellaneous	$639,770	$508,859	$130,911	$611,374	$519,783	$91,591	$659,024	$529,313	$129,711
l. SUBTOTAL (add a through k)	$17,495,691	$4,094,595	$13,401,096	$11,539,475	$2,813,502	$8,725,973	$16,313,298	$3,826,914	$12,486,384
m. Contingencies	$0	$0	$0	$0	$0	$0	$0	$0	$0
n. TOTALS (sum of l and m)	$17,495,691	$4,094,595	$13,401,096	$11,539,475	$2,813,502	$8,725,973	$16,313,298	$3,826,914	$12,486,384

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