

**QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS**

**General Information**

<b>1. Federal Agency and Organizational Element to Which Report is Submitted</b>  Department of Commerce, National Telecommunications and Information Administration	<b>2. Award Identification Number</b>  NT10BIX5570116	<b>3. DUNS Number</b>  866946353
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<b>4. Recipient Organization</b>  North Central New Mexico Economic Development District College of Santa Fe Building T40, Santa Fe, NM 87505-7615
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<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  09-30-2012	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> No
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**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.

<b>7a. Typed or Printed Name and Title of Certifying Official</b>  Tim Armer	<b>7c. Telephone (area code, number and extension)</b>  X
	<b>7d. Email Address</b>  tima@ncnmedd.com

<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  11-15-2012
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**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**  
 - Construction activities: 12 new network miles deployed during the current reporting period. 20 new network miles were forecasted. Variance related to delays with EA Addendum approval, which resulted in demobilization/remobilization of the construction crews.  
 - Network readiness: Launched "trial" services, as a pre-production network burn-in, to stabilize the network operating environment and to enable a limited number of CAIs to receive bandwidth services needed. The secondary POP was activated in Los Alamos, NM as well. Significant coordination held with the NOC, reviewing technical and billing details, in an effort to prepare the NOC for "go-live."  
 - Contracts and Agreements: Network operations agreement executed. Outside plant maintenance agreement in final negotiations. Last-mile provider Service Level Agreements being negotiated. Pole attachment agreement being negotiated with US Dept. of Energy.

**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	85	Based on total expenditures, 85% of project funds were obligated through the end of Q3 2012. Deviations from the baseline are described below and are associated with initial delays in receiving the FONSI and recent delays involving make-ready and the EA Addendum.
2b.	Environmental Assessment	100	A Finding of No Significant Impact (FONSI) was issued on June 20, 2011. Completion of this milestone was anticipated in Q1 2011. While the Environmental Assessment was completed on time, the federal review, federal comments and revisions to the EA took longer than expected. EA Addendum approved on 10/5/2012.
2c.	Network Design	100	All engineering design was completed Q2 2011 as projected in baseline.
2d.	Rights of Way	100	ROW permits with the US Bureau of Land Management (BLM) and New Mexico State Land Office were granted within the current reporting period.
2e.	Construction Permits and Other Approvals	100	EA Addendum required additional construction permits with the US Dept of Energy and Los Alamos County, NM, which are in process.
2f.	Site Preparation	100	Site prep was completed during the current reporting period. The Los Alamos County POP was the last remaining site requiring prep work.
2g.	Equipment Procurement	100	Major equipment procurement was completed during Q3 2011, with smaller supplemental orders during Q2 2012.
2h.	Network Build (all components - owned, leased, IRU, etc)	78	Network construction began on June 27, 2011, immediately following issuance of the FONSI on June 20. Activities in the current reporting period include directional drilling, conduit placement, innerduct placement in existing conduit, internal building work, make ready (pole replacements, anchor setting, framing, etc), aerial fiber attachment, underground fiber installation, and POP activities. The original baseline anticipated 100% completion of the network in Q1 2012. Deviations from the baseline are associated with initial delays in receiving the FONSI, make-ready challenges, and approval of the EA Addendum.
2i.	Equipment Deployment	90	Equipment installed at the primary POP location and 119 CAIs. 4 CAIs are pending equipment installation, along with the secondary POP. Equipment deployment itself will not impact overall project delivery, as it is pre-staged and ready for installation upon completion of fiber testing.
2j.	Network Testing	70	Testing was completed on approximately 99 of the 142 new network miles to be deployed, in-line with the original baseline.
2k.	Other (please specify): Project Management	79	Project management work continued as planned, providing construction management, procurement, and general oversight. In-line with previous forecast and original baseline.

**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 primary challenges faced during the past quarter were related to delays with receiving approval of the EA Addendum. This

resulted in having to demobilize the aerial fiber construction crew due to lack of work, thus impacting project delivery. The project also experienced disruptions due to work flow issues on pole replacements; however, progress has been made with the respective electric co-op and continuous oversight is being provided to keep that effort moving forward.

**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	99	Catching up with original baseline but still behind due to EA, EA Addendum, and make-ready delays.
New network miles leased	0	N/A
Existing network miles upgraded	5	5.33 miles of existing fiber
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	99	Catching up with original baseline but still behind due still behind due to EA, EA Addendum, and make-ready delays.
Number of new wireless links	0	N/A
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	1	1 interconnect point established with upstream Internet gateway provider.

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	4
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:**

Wholesale pricing schedule provided in Q1 2012. The REDI Net Board and Finance Committee are continuously evaluating new wholesale offerings and related policy considerations, for services such as Aggregated Internet Bandwidth, CoLocation, and potential dark fiber strategies. The Board will ensure these requests do not negatively impact current bandwidth commitments to community anchor institutions and other last-mile providers, and do not or will not in the next five years cause REDI Net to exceed its oversubscription rate or fiber asset management. REDI Net is currently providing network services on a "trial" basis to a limited number of CAIs, in an effort to stabilize the network operating environment and offer CAIs bandwidth needed.

**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).**

REDI Net has signed a three-year Network Management Agreement with Kit Carson Electric Cooperative and Telecom, as described in the original BTOP grant application. Kit Carson Telecom will provide network management for 100% of REDI Net. Kit Carson Telecom is not a sub-recipient, contractor or subcontractor under the BTOP grant, but is providing network management at no charge to REDI Net for its first 3 years of operation. Address: 201 Cruz Alta Road, Suite B, Taos NM, 87571.

**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	No services are being provided to date.
	Providers with signed agreements receiving improved access	0	No services are being provided to date.
	Providers with signed agreements receiving access to dark fiber	0	No services are being provided to date.
Community Anchor Institutions (including Government institutions)	Please identify the speed tiers that are available and the number of subscribers for each	0	No services are being provided to date.
	Total subscribers served	27	Services are being provided on a limited, "trial" basis as part of the network stabilization and "burn-in" period.
	Subscribers receiving new access	27	Services are being provided on a limited, "trial" basis as part of the network stabilization and "burn-in" period.
Residential / Households	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number or subscribers for each	4	Services are being provided on a limited, "trial" basis as part of the network stabilization and "burn-in" period. Speeds being offered are 5 Mbps to 100 Mbps. 5 Mbps = 20 CAI 20 Mbps = 3 CAI 50 Mbps = 2 CAI 100 Mbps = 2 CAI
	Entities passed	0	Residential services will be provided by last-mile providers.
Businesses	Total subscribers served	0	Residential services will be provided by last-mile providers.
	Subscribers receiving new access	0	Residential services will be provided by last-mile providers.
	Subscribers receiving improved access	0	Residential services will be provided by last-mile providers.
	Please identify the speed tiers that are available and the number of subscribers for each	0	Residential services will be provided by last-mile providers.
	Entities passed	0	Business services will be provided by last-mile providers.
Businesses	Total subscribers served	0	Business services will be provided by last-mile providers.
	Subscribers receiving new access	0	Business services will be provided by last-mile providers.
	Subscribers receiving improved access	0	Business services will be provided by last-mile providers.
	Please identify the speed tiers that are available and the number of subscribers for each	0	Business services will be provided by last-mile providers.
	Entities passed	0	Business services will be provided by last-mile providers.

**7. Please describe any special offerings you may provide (600 words or less).**  
 REDI Net will provide the following service offerings: For community anchor institutions: Bundled Internet/Ethernet Access, Ethernet Transport. For last-mile service providers: Per Subscriber Bandwidth, Aggregated Internet Bandwidth, Ethernet Transport, CoLocation.

**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 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
City of Espanola - Bond House Museum	Rio Arriba County	Government	Yes	Local network transport to network hub.
City of Espanola - City Hall	Rio Arriba County	Government	Yes	Network hub and Internet access.
City of Espanola - Convento Mission	Rio Arriba County	Government	Yes	Local network transport to network hub.
City of Espanola - Hunter Building	Rio Arriba County	Government	Yes	Local network transport to network hub.
City of Espanola - Public Works Main	Rio Arriba County	Government	Yes	Local network transport to network hub.
City of Espanola - Public Works Warehouse	Rio Arriba County	Government	Yes	Local network transport to network hub.
City of Espanola - Police Dept	Rio Arriba County	Government	Yes	Local network transport to network hub.
ASPEN ELEMENTARY	Los Alamos County	Public School	Yes	Local network transport to network hub.
BARRANCA ELEMENTARY	Los Alamos County	Public School	Yes	Local network transport to network hub.
CANYON SCHOOL COMPLEX	Los Alamos County	Public School	Yes	Local network transport to network hub.
LITTLE VALLEY COMPLEX	Los Alamos County	Public School	Yes	Local network transport to network hub.
LOS ALAMOS HIGH SCHOOL	Los Alamos County	Public School	Yes	Network hub and Internet access.
LOS ALAMOS MIDDLE SCHOOL	Los Alamos County	Public School	Yes	Local network transport to network hub.
MOUNTAIN ELEMENTARY	Los Alamos County	Public School	Yes	Local network transport to network hub.
PAJARITO COMPLEX	Los Alamos County	Public School	Yes	Local network transport to network hub.
PUEBLO COMPLEX	Los Alamos County	Public School	Yes	Local network transport to network hub.
Ohkay Owingeh Community Day School	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Ohkay Owingeh Community Health Resource	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.

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
Ohkay Owingeh Fire Station	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Ohkay Owingeh HeadStart	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Ohkay Owingeh Housing	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Ohkay Owingeh Community Center	Rio Arriba County	Tribal Government	Yes	Network hub and Internet access.
Ohkay Owingeh Police Station	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Ohkay Owingeh Senior Center & Realty	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Ohkay Owingeh Utilities	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Ohkay Owingeh Accounting Office	Rio Arriba County	Tribal Government	Yes	Local network transport to network hub.
Regional Transit District (RTD)	Rio Arriba County	Government	Yes	Internet access.

**Project Indicators (Next Quarter)**

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

- Construction Activities: 30 new network miles will be deployed, with final production dependent upon pole replacements. Other work includes network testing, secondary POP setup, and remaining CAI equipment installation.
- Contracts and Agreements: REDI Net intends to finalize operations and maintenance agreement and 4 last-mile provider agreements.
- Services: REDI Net plans to "go-live" with production broadband services in November 2012. 44 additional CAIs will be activated. 2 last-mile providers should also be connected.

**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	92	Project close-out draws near as construction activity focuses on routes approved in the EA Addendum.
2b.	Environmental Assessment	100	Complete
2c.	Network Design	100	Complete
2d.	Rights of Way	100	Complete
2e.	Construction Permits and Other Approvals	100	Complete
2f.	Site Preparation	100	Complete
2g.	Equipment Procurement	100	Complete
2h.	Network Build (all components - owned, leased, IRU, etc.)	90	Construction and procurement activities started late June 2011, due to delays with the FONSI. Since initiating construction, there were some additional challenges with pole attachment applications, make-ready, and materials supply, all of which have been resolved. Construction is now well underway and will continue to meet our revised quarterly projections. Upcoming activities are focused on building the route changes authorized under the EA Addendum.
2i.	Equipment Deployment	100	Complete

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2j.	Network Testing	80	The majority of network testing will be completed in the upcoming reporting period, reflective of the route changes completed.
2k.	Other (please specify): Project Management	90	Project management work should continue as planned, providing construction management, procurement, and general oversight.

**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).**

In the upcoming reporting period, we expect to complete building the majority of the route changes as we near project completion - provided that pole replacement activities continue as scheduled with the electric utility. Prompt approval of the construction easement / pole attachment agreement with the US Dept of Energy, along with a microwave installation permit from Los Alamos will also be required to meet our quarterly objectives. In the upcoming reporting period, we intend to "go-live" with broadband services to CAIs and last-mile providers, provided that the associated Service Level Agreements (SLAs) are finalized.

**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.

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		
Cost Classification	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	\$150,000	\$31,664	\$118,336	\$180,290	\$35,198	\$145,092	\$189,998	\$37,247	\$152,751
b. Land, structures, right-of-ways, appraisals, etc.	\$867,400	\$867,400	\$0	\$823,900	\$823,900	\$0	\$823,900	\$823,900	\$0
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$1,579,060	\$333,196	\$1,245,864	\$1,327,062	\$269,112	\$1,057,950	\$1,490,754	\$314,563	\$1,176,191
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$10,794,983	\$1,593,391	\$9,201,592	\$8,986,712	\$1,270,717	\$7,715,995	\$9,845,740	\$1,453,278	\$8,392,462
j. Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>l. SUBTOTAL (add a through k)</b>	\$13,391,443	\$2,825,651	\$10,565,792	\$11,317,964	\$2,398,927	\$8,919,037	\$12,350,392	\$2,628,988	\$9,721,404
m. Contingencies	\$0	\$0	\$0						
<b>n. TOTALS (sum of l and m)</b>	\$13,391,443	\$2,825,651	\$10,565,792	\$11,317,964	\$2,398,927	\$8,919,037	\$12,350,392	\$2,628,988	\$9,721,404

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: \$169,480	b. Program Income to Date: \$0
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