

RECIPIENT NAME: Navajo Tribal Utility Authority Company

AWARD NUMBER: NT10BIX5570055

DATE: 03/16/2012

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

## 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**

NT10BIX5570055

**3. DUNS Number**

800021990

**4. Recipient Organization**

Navajo Tribal Utility Authority Company Highway 12 N, Fort Defiance, AZ 86504

**5. Current Reporting Period End Date (MM/DD/YYYY)**

12-31-2011

**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**

Lester Lee

**7c. Telephone (area code, number and extension)**

X

**7d. Email Address**

lesterl@ntua.com

**7b. Signature of Certifying Official**

Submitted Electronically

**7e. Date Report Submitted (MM/DD/YYYY):**

03-16-2012

**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)	N/A	N/A
Average cost per household passed (Last Mile)	N/A	N/A
Average cost per subscriber (Last Mile)	N/A	N/A
Maximum broadband speed advertised (Middle Mile)	N/A	N/A
Maximum broadband speed advertised (Last Mile)	N/A	N/A
Average broadband speed provided (Middle Mile)	N/A	N/A
Average broadband speed provided (Last Mile)	N/A	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)**

1. NTUA has finalized the Tri-State indefeasible right of use (IRU) agreement to obtain dark fibers to a point of presence (POP) in Albuquerque, NM.
2. The total number of agreements NTUA is currently negotiating is one. NTUA is currently negotiating an interconnection agreement with CenturyLink to provide a back up route to Albuquerque, NM via Gallup, NM.
3. NTUA has not denied any request for interconnection.

**Peering and Transit Agreements (600 words or less)**

N/A

**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)	112	Public Housing	19
Libraries	10	Other Institutions of Higher Education	7
Medical and Healthcare Providers	63	Other Community Support Organizations	307
Public Safety Entities	27	Other Government Facilities	274
Community Colleges	9	Total Community Anchor Institutions	828

**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).**

Current broadband speeds available on the Navajo Nation are limited to T-1 (1.5 Mb/s) lines provided by the incumbent telephone provider. Although NTUA is not providing any broadband services at this time, NTUA's system as a result of the BTOP grant will allow for up to 10 Gb/s of data transfer speeds. This is a tenfold increase of capacity available.

**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:**

NTUA and sub-recipient partner, NTUA Wireless will provide a host of wholesale and retail services to various entities on the Navajo Nation. Services include dedicated fiber optic solutions, point to point connections for community anchor institutions, private network connections to enable virtual private networks (VPNs) for hospitals, public safety, transport services to a point of presence, and wireless services for small business and residences. NTUA anticipates completion of the Broadband Rate study by the first month of the following quarter at which time NTUA will provide pricing plans for all services provided.

**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)?**

In regards to network management policies, NTUA has committed to nondiscrimination, interconnection with other providers, and network openness, with respect to both the middle-mile and last-mile portions of this proposal. NTUA and NTUA Wireless will display any network management policies in a prominent location on the service provider's web page and provide notice to customers of changes in these policies as soon as the policies are developed. NTUA anticipates completion of network management policies and procedures during the following quarter.

**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
55,372	0	652	17,568	0	0	37,152

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

Although NTUA is currently not leasing any dark fibers, NTUA has agreements in place to provide dark fibers to the following entities:

1. Navajo Nation - NTUA has committed to offer up to 12 dark fibers to the Navajo Nation for a total of 6840 fiber strand miles.
2. Bureau of Reclamations (BoR) - NTUA has committed to provide 4 dark fibers to the BoR for a total of 2280 fiber strand miles.

**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

15,000	0	0	15,000
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**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).**

N/A

**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).**

N/A

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

Listed below are the best practices/lessons learned:

1. Order all materials early! Waiting to order materials such as fiber optic cable and hardware can be detrimental to construction progress in the later stages of the grants.
2. Anticipate any potential changes in the build-out that may require additional environmental assessment.
3. Have adequate processes in place with respect to accounting practices to allow for maximum transparencies.
4. Submit any applications for rights of way or permitting as soon as possible.
5. Follow the rules and guidelines as stated in the NOFA.
6. Utilize the staff at the NTIA to assist with any questions, issues or concerns that may arise.

**15. Using the Excel spreadsheet template titled "Annual PPR CCI Addendum", please provide an updated list of Community Anchor Institutions (CAIs) that you have connected and plan to connect to your network.**

**16. Using the Excel spreadsheet template titled "Annual PPR CCI Addendum", please provide a list of community pairs that are receiving new or improved broadband service as a result of BTOP grant funds.**

**17. Please provide up-to-date network route maps in a single file, in a Google Earth compatible format (e.g., KMZ file).**