

RECIPIENT NAME:Iowa Communications Network

AWARD NUMBER: NT10BIX5570069

DATE: 03/19/2012

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 NT10BIX5570069	3. DUNS Number 943058925
4. Recipient Organization Iowa Communications Network 400 E 14TH ST, Des Moines, IA 50319-9000		
5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2011	6. Is this the last Annual 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 Mike Cruise	7c. Telephone (area code, number and extension) X	
	7d. Email Address Mike.Cruise@iowa.gov	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 03-19-2012	

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)	0	No new miles have yet been constructed. Baseline shows total for end of project.
Average cost per household passed (Last Mile)	0	Baseline indicates N/A.
Average cost per subscriber (Last Mile)	0	Baseline indicates N/A.
Maximum broadband speed advertised (Middle Mile)	1Gbps	No variation from baseline.
Maximum broadband speed advertised (Last Mile)	1Gbps	No variation from baseline.
Average broadband speed provided (Middle Mile)	34Mbps	No variation from baseline.
Average broadband speed provided (Last Mile)	34Mbps	No variation from baseline.

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
Attachment	Attachment	Attachment	Attachment

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)

N/A Project does not include interconnection agreements.

Peering and Transit Agreements (600 words or less)

N/A No new peering and/or transit agreements have been entered in to.

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)	600	Public Housing	0
Libraries	65	Other Institutions of Higher Education	213
Medical and Healthcare Providers	241	Other Community Support Organizations	132
Public Safety Entities	366	Other Government Facilities	1,350
Community Colleges	113	Total Community Anchor Institutions	3,080

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).

Broadband speeds are increased at the request of customers. For example, Community School District in Williamsburg, Iowa ordered an increase from 25Mb to 100Mb of Ethernet services in December 2011. Previous to the BTOP switch and DWDM deployment, the maximum capacity at the location was 45Mb of which 25Mb was the maximum Ethernet service they could get. Current maximum capacity now is 1Gbps which allowed them to order the additional 75Mb.

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:

Ethernet Private Line Service - Symmetrical, 10Mbps \$360 per month
 Ethernet Private Line Service - Symmetrical, 20Mbps: \$500 per month
 Ethernet Private Line Service - Symmetrical, 50Mbps: \$750 per month
 Ethernet Private Line Service - Symmetrical, 100Mbps: \$900 per month
 Ethernet Private Line Service - Symmetrical, 1Gbps: \$2,100 per month
 Premium Internet - Symmetrical, 10Mbps: \$920 per month
 Premium Internet - Symmetrical, 20Mbps: \$1,480 per month
 Premium Internet - Symmetrical, 50Mbps: \$3,385 per month
 Premium Internet - Symmetrical, 100Mbps: \$5,661 per month

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)?

The project has no non-capacity related bandwidth limitations. During normal operations, traffic is not prioritized. During declared emergencies and public safety events, traffic may be prioritized to public safety organizations as defined by law. The project includes no restrictions on any legal device.

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
19,009	6,000	0	0	0	0	13,009

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

N/A ICN wholesales no dark fiber.

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
0	0	0	0

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).
As a state agency, the ICN receives collocation space without charge from its authorized users.

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).
Engineering services for the Sac and Fox Tribe portion of the BTOP grant were provided by TURTLE ISLAND COMMUNICATION, INC. 2513 94th Avenue North, Brooklyn Park, Minnesota 55444

14. Please describe any best practices/lessons learned that can be shared with other similar BTOP projects (900 words or less).
In order to facilitate the management of the many sites that require installs and then followed by migration of traffic to the new circuits for the BTOP project, the team decided to develop an application to plan and monitor the progress. This required extracting information from the ICN's Order Entry system, the Work Order system, Circuit Provisioning system, and Billing system. Currently, Engineering is using spreadsheets to assign and track work. This type of short-term solution is duplicating much of the information within existing systems while taking valuable time from the engineers, thus reducing productivity. The BTOP Information System will provide a universal view into the BTOP project as well as provide the opportunity for the ICN to easily develop dashboard views and specific reports/charts, once those needs are determined.
There are several benefits for this new system. It will reduce and in most cases eliminate double entry of pertinent data while reducing the number of errors and the need for synching/normalizing the information. It will also permit ICN to pinpoint issues in the process either with individuals, segments within the process, or equipment so that they can be addressed immediately rather than waiting for the issue to become apparent through missed implementation steps and disparate data flows.
Another plus with the system is simplifying the information gathering for the Federal reporting. The dashboard items developed, as well as the global view of projects, can be translated to any or all project(s) the ICN currently has or will have in the future. The primary cost savings will be in employee time saved and the ramifications in not completing the project on time, within the budget. Double entry, compiling data, and the validation of multiple spreadsheets can be eliminated. This will speed determination of status and thus resolution.

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).