OMB CONTROL NUMBER: 0660-0037
EXPIRATION DATE: 6/30/2015

ANNUAL PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

General Information

1. Federal Agency and Organizational Element to Which Report is Submitted	2. Award Identification Number	3. DUNS Number
Department of Commerce, National Telecommunications and Information Administration	NT10BIX5570150	003582546

4. Recipient Organization

Department of Administration Services Bureau of Enterprise Systems & Technology 101 E River Dr., Fl 4, Hartford, CT 06108-3285

5. Current Reporting Period End Date (MM/DD/YYYY)	6. Is this the last Annual Report of the Award Period?
12-31-2013	⦿ **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	7c. Telephone (area code, number and extension)
Frank Arute	X
	7d. Email Address
	frank.arute@ct.gov
7b. Signature of Certifying Official	**7e. Date Report Submitted (MM/DD/YYYY):**
Submitted Electronically	01-10-2014

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)	50,000	As this project utilizes 100% IRU facilities, all new mile costs are fixed at $50,000 per new mile. The original baseline utilized total project miles for this calculation because all miles were considered new (as they had never been in service or utilized by the State). Because of the projects use of Fiber IRU only, later guidance had directed that miles are now classified as either new miles or upgraded miles. Total new miles under this formulation are 1053 new miles and 7827 upgraded miles. Additionally, PPR reporting guidance was changed to now reflect route miles. Under this guidance, there are 1053 route miles of new fiber and 2293 route miles are upgraded. If all route miles are taken into consideration, the cost per route mile would be $21,450 based on final expenditures.
Average cost per household passed (Last Mile)	0	N/A
Average cost per subscriber (Last Mile)	0	N/A
Maximum broadband speed advertised (Middle Mile)	1000 Mbps	No variance
Maximum broadband speed advertised (Last Mile)	0	N/A
Average broadband speed provided (Middle Mile)	533 Mbps	The network offers 3 speed tiers - 10 Mbps - 306 subscribers connected 100 Mbps - 111 subscribers connected 1000 Mbps - 525 subscribers connected
Average broadband speed provided (Last Mile)	0	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)

None at this time

Peering and Transit Agreements (600 words or less)
None at this time

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)	1,049	**Public Housing**	0
Libraries	192	**Other Institutions of Higher Education**	31
Medical and Healthcare Providers	0	**Other Community Support Organizations**	5
Public Safety Entities	875	**Other Government Facilities**	6
Community Colleges	14	**Total Community Anchor Institutions**	2,172

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).

Average speed at the connected entities has increased approximately 1087%, increasing from an average of 4.9 Mbps (as measured across the 940 connected entities) to an average of 533 Mbps. This was calculated based on 321 CAI's having 10 Mbps service and 508 CAI's having no connectivity at all. Once BTOP funded facilities were in place, 111 CAI's increased from 10 Mbps to 1000 Mbps and 508 increased from zero connectivity to 1000 Mbps. Additionally, the improved 321 CAI's while technically not receiving additional bandwidth, benefit dramatically from vastly increased backbone link connectivity that has had a 100% increase in capacity (from single 10Gbps link to two 10Gbps links) as a result of BTOP funds.

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:

None at this time

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 is fully committed to providing access to any entity requesting connection to the network as outlined in the NOFA under Section D.3.b (Nondiscrimination and Interconnection obligations for CCI projects). As of the filing of this report, we have not blocked or limited any subscribers access to service or lawful content at the connected locations. From a network management standpoint, while the network has the inherent capability to perform application separation, traffic prioritization and bandwidth shaping should these requirements be necessary, no limiting or blocking has been implemented. Should the need arise, applicable policies and determination guidelines would be developed and/or revised. As required, these policy changes would be posted as soon as they were completed and ready to implement.

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**
22,427	17,760	0	4,712	0	0	0

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

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
5,088	3,816	0	1,272

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).

Continual contact with FPO and Grants office has been extremely beneficial and should be emphasized to any current or future grantee as a critical success factor. As the project progressed, many guidance changes occurred and had to be implemented and followed. Without the support of the FPO and Grants office, compliance with these changes would have been difficult if not impossible to achieve.

Additionally, be sure that all information, correspondence and documentation that is related to the grant is retained and kept up to date in the grant files. Supporting documentation for everything will smooth the compliance process.

Finally, if issues occur, be sure to inform your FPO and Grants officer for their awareness to the situation as soon as possible and seek their assistance as necessary.

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).