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	2. Award Identification Number	3. DUNS Number
Department of Commerce, National Telecommunications and Information Administration	NT10BIX5570070	147368641

4. Recipient Organization

Massachusetts Technology Park 75 North Drive
, Westborough, MA 01581-3335

5. Current Reporting Period End Date (MM/DD/YYYY)	6. Is this the last Annual Report of the Award Period?
12-31-2010	◯ 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)
Lisa Erlandson	X
	7d. Email Address
	erlandson@masstech.org
7b. Signature of Certifying Official	**7e. Date Report Submitted (MM/DD/YYYY):**
Submitted Electronically	01-28-2011

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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	N/A
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)	0	N/A
Maximum broadband speed advertised (Last Mile)	0	N/A
Average broadband speed provided (Middle Mile)	0	N/A
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)

N/A

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)	0	**Public Housing**	0
Libraries	0	**Other Institutions of Higher Education**	0
Medical and Healthcare Providers	0	**Other Community Support Organizations**	0
Public Safety Entities	0	**Other Government Facilities**	0
Community Colleges	0	**Total Community Anchor Institutions**	

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).

N/A

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:

N/A

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)?
N/A

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
157,662	0	0	0	7,852	615	149,195

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
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).

MassBroadband 123 is currently negotiating to lease collocation space in the carrier-neutral hotel and Internet PoP at One Federal Street in Springfield, MA. In the Baseline Plan we projected that by Year 2, Quarter 1 MassBroadband 123 will complete fit out of our space at One Federal Street and will also have completed agreements for siting 22 Point of Interconnection nodes that will house interconnection equipment for third parties and last-mile providers.

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).

POLE ATTACHMENT LICENSE APPLICATION PROCESSES

The Massachusetts Technology Collaborative ("MTC") and the Massachusetts Broadband Institute ("MBI") have worked collaboratively with Verizon, Western Massachusetts Electric ("WMECO"), and National Grid ("Grid") to develop new processes for submitting pole attachment license applications that we believe will help speed up the initial phase of pole attachment licensing and greatly help the MassBroadband 123 fiber build.

In Massachusetts, as in most states, an entity wishing to gain access to attach to an existing utility pole must first submit an application to the pole owners along with payment for pre-construction surveys to determine adequacy of the poles to handle the applicant's proposed attachment. In Massachusetts as most poles are owned jointly by the incumbent telephone and electric companies this requires submitting an application to two pole owners for most applications. In order to prepare the application, the applicant typically conducts a field survey to collect appropriate information on each pole that it wants to license. Upon receiving the application each pole owner also conducts a field survey of the poles included in the application so each owner can assess what make-ready work they believe is required to accommodate a new attachment and who they believe should be responsible for paying for that make-ready work. Sometimes the applicant will attend the pole owner field surveys to represent their own interests. The scheduling of so many field surveys is cumbersome, time consuming, and costly to all parties. The applicant receives a make-ready estimate from each owner only after all the surveys have been conducted and the parties have reconciled their results.

Faced with the prospect of licensing 35,000 pole attachments MTC and MBI worked collaboratively with Verizon, WMECO, and Grid to execute Memorandums of Understanding that allow MTC to hire a single third party to collect the detailed data on each pole that all parties will rely upon as the basis of the application phase for determining pole adequacy and developing make-ready work estimates. The data being collected includes GPS locations of each pole, the height and type of all existing attachments measured utilizing photogrammetry, digital photographs and, if required, load screening and analysis.

All parties will work off the same data set to discuss and reconcile make-ready requirements so the estimates can be prepared.

MAKE-READY WORK

In addition, to speed up make-ready work, MTC is currently negotiating with Grid to be able to hire and oversee a make-ready contractor to do all of their make-ready work. Where third party attachers will give MTC permission to do any of their transfers and moves we will attempt to obtain agreements that allow our Design-Builder to do the work just in advance of installing the cable to save time and achieve an economy of scale.