

RECIPIENT NAME:Clackamas, County of

AWARD NUMBER: NT10BIX5570079

DATE: 03/19/2014

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

Department of Commerce, National
Telecommunications and Information Administration

2. Award Identification Number

NT10BIX5570079

3. DUNS Number

096992656

4. Recipient Organization

Clackamas, County of 2051 Kaen Road, Oregon City, OR 97045-4088

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

12-31-2013

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

David Cummings

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

5036558525

7d. Email Address

davidcu@co.clackamas.or.us

7b. Signature of Certifying Official

Submitted Electronically

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

03-19-2014

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)	\$45,773	Consistent with baseline (it is a decrease of 2.4% from the baseline of \$46,899)
Average cost per household passed (Last Mile)	N/A	N/A. The project will not directly serve any households or businesses.
Average cost per subscriber (Last Mile)	N/A	N/A. This was not reported in Baseline. This project only offers dark fiber so does not have subscribers.
Maximum broadband speed advertised (Middle Mile)	10 GBPS	Consistent with Baseline
Maximum broadband speed advertised (Last Mile)	10 GBPS	Consistent with Baseline
Average broadband speed provided (Middle Mile)	1 GBPS	Consistent with Baseline
Average broadband speed provided (Last Mile)	1 GBPS	Consistent with 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
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) One public last mile provider is using the fiber (City of Sandy's broadband utility (SandyNet), which is a partner in our grant). We have 3 Service Level Agreements with Telecoms (Edge IT, Integra and Silver Star Telecom) but they are not utilizing any dark fiber before the end of the grant. Wave Broadband is a private last mile provider that is leasing fiber on the dark fiber network.
 2) Clackamas County is currently in active negotiations with 5 other telecoms, all looking to connect and provide telecom services.
 3) No requests have been denied.

Peering and Transit Agreements (600 words or less)

N/A as we only offer dark fiber and not offer any lit service.

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)	101	Public Housing	2
Libraries	11	Other Institutions of Higher Education	0
Medical and Healthcare Providers	20	Other Community Support Organizations	43
Public Safety Entities	51	Other Government Facilities	18
Community Colleges	3	Total Community Anchor Institutions	249

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).

The estimated average increase to CAIs is between 900mb-1Gig. Generally, schools and institutions of higher education were getting 100mb shared connections which were less than 100mb each. Generally, fire stations and county sites had T1s, which was 1.5mb, so the fiber resulted in almost full 1Gig increases. Typical basic off-the-shelf electronics provide a minimum of 1Gig service; some school districts are using 10Gig equipment.

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. This is a dark fiber project. No services are 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)?

7a. This is a dark fiber project and we will not be providing any services. We do not have any policies that limit bandwidth or traffic prioritization.

7b. No, and we have no way to limit or block customers. This is an open access, dark fiber project. The network is open to any service provider that wishes to connect. Once connected, the service provider can utilize the dark fiber network as needed to meet its needs.

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. This is a dark fiber project and we do not provide any lit services to the general public. Therefore, we have not had any subscribers drop our services.

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
34,205	273	2,649	31,283	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:

- 1) Edge IT. We have a signed Service Level Agreement but no fiber has been wholesaled during the grant period.
- 2) Silver Star. We have a signed Service Level Agreement but no fiber has been wholesaled during the grant period.
- 3) Wave Broadband; 151.6 fiber miles leased.
- 4) Integra Telecom. We have a signed Service Level Agreement but no fiber has been wholesaled during the grant period.

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
450	100	0	350

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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).

Clackamas County owns 3 interconnect facility locations (hubs) at the Development Services Building (DSB) (200 sq/ft), North Station (150 sq/ft) and at Water Environmental Services (WES) (100sq/ft). All hubs are now operational and available. There are two other primary facilities with local providers. One is the Clackamas Educational Service District's data center (4,000 sq/ft) and the other is SandyNet's data center (160 sq/ft). In addition, the network is being designed for future likely interconnection points with local providers. We are currently in negotiations with several local and regional providers which include collocation facilities and the middle mile path is planned to be within one block of most central offices of local telecom 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).

None at this time.

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

None at this time.

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).