

RECIPIENT NAME:Clackamas, County of

AWARD NUMBER: NT10BIX5570079

DATE: 02/27/2013

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

## ANNUAL PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS

### General Information

|   |  |  |
|---|--|--|
| <b>1. Federal Agency and Organizational Element to Which Report is Submitted</b><br>Department of Commerce, National<br>Telecommunications and Information Administration                           | <b>2. Award Identification Number</b><br>NT10BIX5570079  | <b>3. DUNS Number</b><br>096992656                   |
| <b>4. Recipient Organization</b><br><br>Clackamas, County of 2051 Kaen Road, Oregon City, OR 97045-4088   |  |  |
| <b>5. Current Reporting Period End Date (MM/DD/YYYY)</b><br>12-31-2012  | <b>6. Is this the last Annual Report of the Award Period?</b><br><br><input type="radio"/> Yes <input checked="" type="radio"/> No |  |
| <b>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.</b> |  |  |
| <b>7a. Typed or Printed Name and Title of Certifying Official</b><br><br>David DeVore<br><br>Deputy Information Officer   | <b>7c. Telephone (area code, number and extension)</b><br>5037234996   | <b>7d. Email Address</b><br>DavidDev@co.clackamas.or |
| <b>7b. Signature of Certifying Official</b><br>Submitted Electronically   | <b>7e. Date Report Submitted (MM/DD/YYYY):</b><br>02-27-2013   |  |

**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)          | \$47,168             | Consistent with Baseline (it is 0.005% greater, or \$269/route mile more, than 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 |
|------------------------------|------------------------|-----------|---------------|
| Tri-City Water Control Plant | Other Governmental Fac | Clackamas | 022300        |

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) No agreements completed.
- 2) One public last mile provider is using the fiber (City of Sandy's broadband utility (SandyNet), which is a partner in our grant). No Service Agreements yet with a private provider, but there are about 10 Non-Disclosure agreements currently in place. We are engaged in multiple, ongoing discussions with local and regional service providers. Based on those conversations, we do not expect the first signed agreement with a private provider until construction of both fiber rings are completed, which is projected to be in Q1 2013.
- 3) No requests have been denied.

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

N/A as we only offer dark fiber and not 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 |
| 34,088                       | 223   | 133                                       | 33,060                                  | 0  | 0      | 672  |

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

No wholesaler signed on as of Dec 31, 2012 because the Middle Mile network has not been completed yet.

**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 |
|---|---|------------------------------|---------------------------------|
| 350   | 50                                      | 0                            | 300                             |

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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 2 interconnect facility locations (hubs) at the Development Services Building (DSB) (200 sq/ft), and North Station (150 sq/ft). Both 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 was 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).**