

RECIPIENT NAME: Eagle-Net Alliance

AWARD NUMBER: NT11BIX5570001

DATE: 03/12/2015

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 6/30/2015

### 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 Telecommunications and Information Administration                              | <b>2. Award Identification Number</b><br>NT11BIX5570001  | <b>3. DUNS Number</b><br>964743988 |
| <b>4. Recipient Organization</b><br><br>Eagle-Net Alliance 11800 Ridge Pkwy, Broomfield, CO 80021-6525  |  |                                    |
| <b>5. Current Reporting Period End Date (MM/DD/YYYY)</b><br>12-31-2014  | <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>   | <b>7c. Telephone (area code, number and extension)</b>   |                                    |
|   | <b>7d. Email Address</b>   |                                    |
| <b>7b. Signature of Certifying Official</b>   | <b>7e. Date Report Submitted (MM/DD/YYYY):</b>   |                                    |

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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)          | 50973                | This calculation is based on 795 miles of completed new construction in several areas of the state. Variance to baseline is mostly based on change from microwave to fiber build in most areas of the state. |
| Average cost per household passed (Last Mile)    | 0                    | n/a. Middle mile network only.   |
| Average cost per subscriber (Last Mile)          | 0                    | n/a. Middle mile network only.   |
| Maximum broadband speed advertised (Middle Mile) | 1                    | We offer 1G as the norm; some future subscribers may request up to 10G.  |
| Maximum broadband speed advertised (Last Mile)   | 0                    | n/a. Middle mile network only.   |
| Average broadband speed provided (Middle Mile)   | 131.0                | For current subscribers, the highest speed currently requested is 1000mbps and the lowest is 10mbps.   |
| Average broadband speed provided (Last Mile)     | 0                    | n/a. Middle mile network only.   |

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             |
|----------------------------|---------------------------|---------------------------|---------------------------|
| See attached spreadsheet.  | See attached spreadsheet. | See attached spreadsheet. | See attached spreadsheet. |

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)**

EAGLE-Net currently has eighteen service agreements with wholesale and last mile providers to whom it is providing service. We have 29 signed Master Service Agreements that provide the framework for future service agreements, and we are in current negotiations with another 17 providers for future agreements. No requests for interconnection have been denied. Now that we have a network operator actively marketing for wholesale agreements, and as the network has grown and is being completed, there is an increased awareness by other providers of the opportunities available with the EAGLE-Net network throughout Colorado.

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

EAGLE-Net currently has service agreements with eight providers from whom it is purchasing peering and transit services. No other agreements are currently being negotiated to obtain additional transit services.

| CAPACITY, UTILIZATION, AND CAPABILITY INDICATORS  |   |   |   |  |        |       |
|---|---|---|---|--|--------|-------|
| <p><b>4. Community Anchor Institutions:</b> 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.</p>  |   |   |   |  |        |       |
| Type of Community Anchor Institution  | Total Number Within Service Area                            | Type of Community Anchor Institution      | Total Number Within Service Area        |  |        |       |
| Schools (K-12)  | 1,765   | Public Housing                            | 113                                     |  |        |       |
| Libraries   | 260   | Other Institutions of Higher Education    | 3                                       |  |        |       |
| Medical and Healthcare Providers  | 450   | Other Community Support Organizations     | 78                                      |  |        |       |
| Public Safety Entities  | 308   | Other Government Facilities               | 770                                     |  |        |       |
| Community Colleges  | 16  | Total Community Anchor Institutions       | 3,763                                   |  |        |       |
| <p><b>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 (300 words or less).</b></p> <p>The average increase in broadband speed to CAIs has varied from entities that have received 20 Mbps increases to CAIs that have received 500 Mbps in broadband speed.</p>  |   |   |   |  |        |       |
| <p><b>6. What retail services are being provided by this project? Please describe below. (300 words or less). As an attachment to this report, please provide pricing plans (in \$ per month) associated with each retail service. Retail services description:</b></p> <p>n/a. EAGLE-Net is a middle mile project and is not providing retail services directly to the public.</p>   |   |   |   |  |        |       |
| <p><b>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)?</b></p> <p>EAGLE-Net has Acceptable Use and Non-Discrimination and Interconnection Practice Policies (see <a href="http://www.co-eaglenet.net/support.aspx">http://www.co-eaglenet.net/support.aspx</a> for further details). EAGLE-Net does not impose any bandwidth limitations or access limitations to lawful content, service, service provider, or application or prevent any consumers from attaching any legal device to its existing infrastructure or on proposed BTOP infrastructure.</p>                          |   |   |   |  |        |       |
| <p><b>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 (300 words or less).</b></p> <p>Three subscribers dropped EAGLE-Net service in 2014. Two of these were both school districts that received lower bids for services based on their e-Rate 470 requisitions. In one instance, EAGLE-Net was using a third-party circuit to provide service and we could not provide a lower bid to compete. In the other instance, we were simply underbid by a larger provider. The third was a school district using EAGLE-Net as a secondary provider for a special project. The project ended, so they stopped purchasing the service. These three CAIs represented a 4.3% loss of our total customers.</p> |   |   |   |  |        |       |
| <p><b>9. Please provide the following information regarding the number of fiber strand-miles:</b></p>   |   |   |   |  |        |       |
| 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  |
| 49,986  | 8,536   | 21,849                                    | 17,469                                  | 482                                      | 384    | 1,266 |
| <p><b>10. If you wholesale dark fiber, please list your wholesale customers and the number of fiber miles you currently are leasing to those customers:</b></p> <p>Dark fiber is leased to:</p> <p>In total, 21,849 strand miles are leased to these seven entities, with by far the largest number going to CDOT. This was in exchange for rights of way throughout the state of Colorado. The other entities either leased or exchanged fiber in return for their dark fiber.</p>   |   |   |   |  |        |       |

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| 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).**

Currently lease rack space in several locations throughout the state. Locations are:

- Colorado Springs POI: 1 rack, 4 sq feet
- 910 15th St Denver POI: 1 rack, 4 sq feet
- Akron POI: 1 rack, 4 sq feet
- Aurora POP: 2 racks, 8 sq feet
- Byers POI: 1 rack, 4 sq feet
- Cheyenne Wells POI: 1 rack, 4 sq feet
- Flagler POI: 1 rack, 4 sq feet
- Fort Morgan POI: 1 rack, 4 sq feet
- Limon POI: 1 rack, 4 sq feet
- Prospect Valley POI: 1 rack, 4 sq feet
- Pueblo Peer: 1 rack, 4 sq feet
- Rifle POI: 1 rack, 4 sq feet
- Sterling POI: 1 rack, 4 sq feet
- Wray POI: 1 rack, 4 sq feet
- Cahone POI: 1 rack, 4 sq feet
- Durango POP: 1 rack, 4 sq feet
- Empire POI: 1 rack, 4 sq feet
- Montrose POI: 1 rack, 4 sq feet
- Nucla POI: 1 rack, 4 sq feet
- Haystack Butte POI: 1 rack, 4 sq feet
- Lynn POI: 1 rack, 4 sq feet
- Pueblo DC POI: 4 racks, 16 sq feet, 200 sq feet available
- Pueblo Peer: 1 rack, 4 sq feet
- Grand Junction Peer: 1 rack, 4 sq feet
- Durango Peer: 1 rack, 4 sq feet
- Denver Peer: 4 racks, 16 sq feet
- Colorado Springs Peer: 3 racks, 12 sq feet, 400 sq feet available
- Craig POI: 1 rack, 4 sq feet
- Kersey Peer: 1 rack, 4 sq feet
- Kimbark POI: 1 rack, 4 sq feet
- Rockport POI: 1 rack, 4 sq feet
- Steamboat Springs POI: 1 rack, 4 sq feet

**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).**

Budget carefully, and with a large contingency built in to the projections. Surprises are always bound to happen, and can affect the budget in a significant way.

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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).