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 | NT10BIX5570108 | 957995392 |

**4.  Recipient Organization**

Central Management Services, Illinois Department of 120 W Jefferson St, FL 2, Springfield, IL 62702-5103

| 5.  Current Reporting Period End Date (MM/DD/YYYY) | 6.  Is this the last Annual Report of the Award Period? |
|---|---|
| 12-31-2012 | ◯ 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) |
|---|---|
| Lori  Sorenson | X |
| | **7d.  Email Address** |
| | lori.sorenson@illinois.gov |

| 7b.  Signature of Certifying Official | 7e.  Date Report Submitted (MM/DD/YYYY): |
|---|---|
| Submitted Electronically | 02-28-2013 |

## 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)** | $50,000 | The baseline forecasted costs at $61,674. Through competitive bidding, costs are running lower than anticipated. The average cost per new mile may increase as construction proceeds into more difficult areas (rock, utility congested areas, etc.). |
| **Average cost per household passed (Last Mile)** | 0 | NA - no last mile component. |
| **Average cost per subscriber (Last Mile)** | 0 | NA - no last mile component. |
| **Maximum broadband speed advertised (Middle Mile)** | 10 Gbps | Standard service offerings are 10 Mbps to 10 Gbps. The network can support faster speeds if required. |
| **Maximum broadband speed advertised (Last Mile)** | 0 | NA - no last mile component. |
| **Average broadband speed provided (Middle Mile)** | 10 Gbps | CMS provides symmetrical, dedicated broadband services. Customers are guaranteed to receive the subscribed speeds. |
| **Average broadband speed provided (Last Mile)** | 0 | NA - no last mile component. |

**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. | See attached. | See attached. | See attached. |

| 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 new interconnection agreements were executed during this reporting.
2) CMS is not negotiating any new agreements.
3) CMS has not denied any requests for interconnection.

CMS currently interconnects with more than a dozen service providers. These service providers are providing last mile connections for CAIs connected to the State's educational network.

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

1) One transit agreement has been executed with the Illinois Rural HealthNet.
2) CMS is in contract negotiations with a wholesale provider and in discussions with an additional 9 providers.
3) CMS has not denied any requests for peering or transit services.

## 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)** | 562 | **Public Housing** | 0 |
| **Libraries** | 53 | **Other Institutions of Higher Education** | 39 |
| **Medical and Healthcare Providers** | 14 | **Other Community Support Organizations** | 42 |
| **Public Safety Entities** | 12 | **Other Government Facilities** | 456 |
| **Community Colleges** | 15 | **Total Community Anchor Institutions** | 1,193 |

**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 leased fiber lit in 2011 positions these CAIs to connect at speeds up to 10 Gbps. The average increase in broadband speeds is 32 Mbps which is a 5- 7 times increase in previous speeds.

**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:**

Since construction is ongoing, the availability of services is limited. Once fully operational, the network will offer the following services: Dark Fiber, Lambda/Wave Services, Ethernet Services ranging in speeds of 10 Mbps to 10 Gbps, and Internet services.

**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 fully embraces and will adhere to the NOFA's non-discrimination and network interconnection obligations including the FCC's Internet Policy Statement (FCC 05-151).

As a current broadband service provider, Illinois Century Network (ICN), we have maintained acceptable use policies consistent with the nondiscrimination policies referenced in the NOFA. The acceptable use policy is posted on the website at www.illinois.net.

We do not interfere with the transmission of constituent data or prioritize content and will not monitor at the data level any fibers or Lambdas offered to providers without their written request.

**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).**
None

**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** |
| 167,792 | 507 | 0 | 72,785 | 3,626 | 0 | 90,874 |

**10.  If you wholesale dark fiber, please list your wholesale customers and the number of fiber miles you currently are leasing to those customers:**
Since the network is under construction, no dark fiber has been leased.

**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).**

CMS is not using grant funds to purchase or lease collocation capacity; however, ISU, the sub recipient will. CMS customers and providers can lease collocation space from CMS using existing collocation facilities and from select CAI facilities. ISU customers can lease collocation space at the BTOP funded facilities. The ISU collocation space is not operational at this point in the project.

**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).**

Integrated Technology Providers Inc.

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

Having a single point of contact for potential customers is very helpful for continuity and customer confidence in the organization and process. Start working with railroads immediately in order to obtain permits. The process with the railroads can be lengthy and frustrating.

Collect and validate the final as built diagrams for the new fiber and utilize a fiber management system. The fiber management system can assist in tracking fiber assignments for internal use and customer leases as well as generate accurate and detailed mapping information to be used for fiber locates and maintenance. Through the course of construction our vendors have discovered or hit unmarked utilities. We believe the problem is a result of poor network maps for the older infrastructure.

**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).**