

**QUARTERLY PERFORMANCE PROGRESS REPORT FOR BROADBAND INFRASTRUCTURE PROJECTS**

General Information		
<b>1. Federal Agency and Organizational Element to Which Report is Submitted</b>  Department of Commerce, National Telecommunications and Information Administration	<b>2. Award Identification Number</b>  NT10BIX5570039	<b>3. DUNS Number</b>  825181949
<b>4. Recipient Organization</b>  OpenCape Corporation 3225 Main Street, Barnstable, MA 02630-1105		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b>  12-31-2013	<b>6. Is this the last Report of the Award Period?</b>  <p style="text-align: center;"> <input checked="" type="radio"/> Yes    <input type="radio"/> No                     </p>	
<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>  Daniel R Vortherms	<b>7c. Telephone (area code, number and extension)</b>  508-524-5905 X	<b>7d. Email Address</b>  dvortherms@opencape.com
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  06-19-2014	

**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**

Project was completed during the fourth quarter of 2013. All network construction was complete, as modified by a final AAR. Some CAIs added earlier in the year were removed due to excessive utility company make ready time frames. Some microwave sites were removed due to problems in obtaining legal rights. In total, 91 CAIs were connected to the network, and 13 microwave sites were completed. Close out activities are underway.

**2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).**

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	100	Complete
2b.	Environmental Assessment	100	Complete
2c.	Network Design	100	Complete
2d.	Rights of Way	100	Complete
2e.	Construction Permits and Other Approvals	100	Complete
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	100	Complete
2h.	Network Build (all components - owned, leased, IRU, etc)	100	Complete
2i.	Equipment Deployment	100	Complete
2j.	Network Testing	100	Complete
2k.	Other (please specify): Misc contract work	100	Complete

**3. To the extent not covered above, please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).**

During the past quarter, completion of the "additional CAIs" approved earlier in 2013 became challenged by utility company make ready. Of the planned 34 additional CAIs, 20 were completed. The balance of the additional CAIs, as well as one of the original CAIs, were removed from the project by an approved AAR. Additionally, obtaining permits and legal access to several of the microwave sites began to exceed the project timeline. Of the 15 microwave sites planned in the project, 13 were completed. Equipment for the remaining two sites was procured and OpenCape is working to complete the installation of these sites using non-grant funding.

100% of grant funds were obligated through the end of 2013. Close out activities will continue into 2014 without further grant funding.

**4. Please report the following information regarding network build progress. Write "0" in the Total column and "N/A" in the Narrative column if your project does not include this activity. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (600 words or less).**

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
New network miles deployed	382	A total of 382 miles of new network were deployed, including new fiber and microwave.
New network miles leased	0	N/A
Existing network miles upgraded	0	N/A
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	306	The route of new fiber was replotted with as-built drawings. The total route miles was determined to be 306 miles. This amount less than previous reports due to: 1) pre-engineered route mile estimates, 2) reporting of reel based distances in situations

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
		where cable routes overlapped, especially in the case of laterals paralleling the backbone to a splice point.
Number of new wireless links	10	76 miles of microwave network was completed
Number of new towers	0	N/A
Number of new and/or upgraded interconnection points	117	Above original grant application and exceeds baseline

For questions 5 and 6 please include information relating to agreements that you are negotiating or have entered into, or that your sub recipient, contractor or subcontractor is negotiating or entered into.

5a. If applicable, please provide the following information with regard to agreements with broadband wholesalers and/or last mile providers as a result of your project.

Indicators	
Number of signed agreements with broadband wholesalers or last mile providers	0
Number of agreements currently being negotiated with broadband wholesalers or last mile providers	0
Average term of signed agreements (in quarters)	0

5b. Please list the names of the wholesale and last mile providers with whom you have signed agreements (100 words or less). Providers: CapeNet LLC has a long term agreement awarded through a competitive process as the operator of the OpenCape network. As the operator, CapeNet is responsible for all sales on the network. CapeNet offers retail services to end users on the network, and works with those entities that would like to be connected to the network. CapeNet also works through a set of resellers.

5c. What wholesale services are being provided by this project? Please describe below. As an attachment to this report, please provide pricing plans (in \$ per month) associated with each wholesale service provided by your product (100 words or less). Wholesale services description:  
No wholesale services are offered by OpenCape.

5d. If you have designated a third party to operate all or a portion of your network, please provide the name and contact information for this third party, indicate if this entity is a sub recipient, contractor, and/or subcontractor, and describe with specificity the portion of your network this third party operates (600 words or less).  
OpenCape awarded a contract to CapeNet LLC to design, build, and operate the OpenCape network through a competitive process. CapeNet LLC is a joint venture of Lightbridge Inc (formerly Telecom Global Inc). and CapeNet Partners, Inc. CapeNet LLC is a contractor. The primary contact for CapeNet LLC is Alan Davis, 1900 West Park Drive, Suite 280, Westborough, MA 01581, 508-983-1475.

OpenCape has licensed CapeNet LLC to operate and maintain the entire network including all microwave components, and to sell both lit and dark services on a portion of the fiber exclusive of the OpenCape reserve.

The project does not include any sub recipients.

6. Please provide the data according to the type of subscriber. Write "0" in the Total column and "N/A" in the Narrative column if your project does not pass or serve a particular subscriber type. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the total is different from the target provided in your baseline plan (300 words or less).

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Broadband Wholesalers or Last Mile Providers	Providers with signed agreements receiving new access	0	OpenCape cannot enter into broadband wholesale agreements. The OpenCape network operator provides all sales services for network access. They have multiple resellers (6) who are reselling CapeNet services on the network.
	Providers with signed agreements receiving improved access	0	N/A
	Providers with signed agreements receiving access to dark fiber	0	N/A

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Community Anchor Institutions (including Government institutions)	Total subscribers served	91	The initial grant application contained 72 CAIs. OpenCape was able to connect 91 CAIs within the original grant amounts.
	Subscribers receiving new access	1	N/A
	Subscribers receiving improved access	90	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	91	Speed tiers available run continuously from 10 Mbps through 1 Gbps. One microwave connection is only available at 10 Mbps due to power limitations on the island served (no commercial power). An RFP is currently under evaluation by Barnstable County for connection of all CAIs on the Cape at speeds up to 1 Gbps.
Residential / Households	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A
Businesses	Entities passed	0	N/A
	Total subscribers served	0	N/A
	Subscribers receiving new access	0	N/A
	Subscribers receiving improved access	0	N/A
	Please identify the speed tiers that are available and the number of subscribers for each	0	N/A

**7. Please describe any special offerings you may provide (600 words or less).**

The OpenCape network has been designed to provide a Municipal Regional Area Network allowing towns on the Cape to communicate within the network as shared 1 Gbps speeds on individual service rings, providing a total of 14 Gbps of capacity (14 separate service rings). The on-net connectivity includes connection to the regional collocation data center. This offering is currently the subject of a county RFP, which is under evaluation by the County.

**8a. Have your network management practices changed over the last quarter?**     Yes     No

**8b. If so, please describe the changes (300 words or less).**

N/A

**9. Community Anchor Institutions:**

Using the table below, please provide a list by service area of the community anchor institutions (including Government institutions) connected to your network as a result of BTOP funds. Figures should be reported for the most recent reporting quarter only (NOT cumulatively). Also indicate whether your organization is currently providing broadband service to the anchor institution. Finally, provide a short narrative description with examples of how institutions are using BTOP-funded infrastructure (300 words or less).

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your	Are you also the broadband service provider	Narrative description of how anchor institutions are using BTOP-funded infrastructure

		baseline)	for this institution? (Yes / No)	
Town of Edgartown	Edgartown MA	Other Community Support Organization	N	Coordination with the town on how to use the available microwave connection has not yet occurred.
Town of Nantucket	Nantucket MA	Other Community Support Organization	Y	CAI will become part of the Municipal Regional Area Network though a leased connection. Speeds available will begin at 10 Mbps and will be adjusted based on needs of the town.
Penikese Island School for Boys	Penikese ' Gosnold MA	Schools (K-12)	Y	CAI is using the connection as its primary Internet connection in support of its educational mission. The school is not open year round, and has no commercial electrical power supply. Speeds of approximately 10 Mbps are available via the microwave link.
State Police Spec Det Unit Barnstable	Barnstable MA	Public Safety Entity	N	Use of the connection will be determined through consultation with the state level public safety offices.
State Police D7 Bourne Rotary	Bourne MA	Public Safety Entity	N	Use of the connection will be determined through consultation with the state level public safety offices.
Falmouth Police Department	Falmouth MA	Public Safety Entity	N	CAI will become part of the Municipal Regional Area Network. Speeds of 1 Gbps will be offered on shared service rings between RAN entities, with a 1 Gbps shared Internet connection.
Halifax Police Dept	Halifax MA	Public Safety Entity	N	Coordination with the town on how to use the connection has not yet occurred. The connection offers speeds up to 1 Gbps for internet connection, and on-net connections to other public safety entities or the data center. Other services are being coordinated through the Commonwealth.
State Police Det Unit Cape & Islands	Hyannis MA	Public Safety Entity	N	Use of the connection will be determined through consultation with the state level public safety offices.
Sturgis School East	Hyannis MA	Schools (K-12)	N	CAI may become part of the Municipal Regional Area Network. Speeds of 1 Gbps will be offered on shared service rings between RAN entities, with a 1 Gbps shared Internet connection.
Cape Cod Community College Main Street Campus	Hyannis MA	Community Colleges	N	Entity plans on utilizing the connections as transport between its diverse physical locations, as a second Internet connection for dual homing, and for connection to the Municipal Regional Area Network for collaboration with local schools.
Sturgis School West	Hyannis MA	Schools (K-12)	N	CAI may become part of the Municipal Regional Area Network. Speeds of 1 Gbps will be offered on shared service rings between RAN entities, with a 1 Gbps shared Internet connection.
Marion Police Dept	Marion MA	Public Safety Entity	N	Coordination with the CAI on how to use the connection has not yet occurred. The connection offers speeds up to 1 Gbps for internet connection, and on-net connections to other public safety entities or the data center. Other services are being coordinated through the Commonwealth.
Mashpee Police Dept	Mashpee MA	Public Safety Entity	N	CAI will become part of the Municipal Regional Area Network. Speeds of 1 Gbps will be offered on shared service rings between RAN entities, with a 1 Gbps shared Internet connection.
Mattapoisett Police Dept	Mattapoisett MA	Public Safety Entity	N	Coordination with the CAI on how to use the connection has not yet occurred. The connection offers speeds up to 1 Gbps for internet connection, and on-net connections to other public safety entities or the data center. Other services are being coordinated through the Commonwealth.
Orleans Police Dept	Orleans MA	Public Safety Entity	N	CAI will become part of the Municipal Regional Area Network. Speeds of 1 Gbps will be offered on shared service rings between RAN entities, with a 1 Gbps shared Internet connection.
Orleans Water District Office	Orleans MA	Other Community Support Organizations	N	CAI will become part of the Municipal Regional Area Network. Speeds of 1 Gbps will be offered on shared service rings between RAN entities, with a 1 Gbps shared Internet connection.

Institution Name	Service Area (town or county)	Type of Anchor Institution (as defined in your baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
Plympton Police Dept	Plympton MA	Public Safety Entity	N	Coordination with the CAI on how to use the connection has not yet occurred. The connection offers speeds up to 1 Gbps for internet connection, and on-net connections to other public safety entities or the data center. Other services are being coordinated through the Commonwealth.
Provincetown Police Dept	Provincetown MA	Public Safety Entity	N	CAI will become part of the Municipal Regional Area Network. Speeds of 1 Gbps will be offered on shared service rings between RAN entities, with a 1 Gbps shared Internet connection.
Spaulding Rehabilitation Hospital	Sandwich MA	Public Safety Entity	N	CAI will utilize the connection for high speed connectivity to connect to other company locations outside the Cape area.
State Police Yarmouth	Yarmouth MA	Public Safety Entity	N	Use of the connection will be determined through consultation with the state level public safety offices.
Wareham Fire Dept	Wareham MA	Public Safety Entity	N	Coordination with the CAI on how to use the connection has not yet occurred. The connection offers speeds up to 1 Gbps for internet connection, and on-net connections to other public safety entities or the data center. Other services are being coordinated through the Commonwealth.
Wareham Town Hall / School Complex	Wareham	Other Community Support Organizations	N	Coordination with the CAI on how to use the connection has not yet occurred. The connection offers speeds up to 1 Gbps for internet connection, and on-net connections to other municipal entities.

**Project Indicators (Next Quarter)**

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).  
 Project is complete and in close out.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Planned Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline plan, please insert them at the bottom of the table. Unless otherwise indicated in the instructions, figures should be reported cumulatively from award inception to the end of the next reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2a.	Overall Project	100	Complete
2b.	Environmental Assessment	100	Complete
2c.	Network Design	100	Complete
2d.	Rights of Way	100	Complete
2e.	Construction Permits and Other Approvals	100	Complete
2f.	Site Preparation	0	N/A
2g.	Equipment Procurement	100	Complete
2h.	Network Build (all components - owned, leased, IRU, etc.)	100	Complete
2i.	Equipment Deployment	100	Complete
2j.	Network Testing	100	Complete
2k.	Other (please specify): Misc contract work	100	Complete

RECIPIENT NAME:OpenCape Corporation

AWARD NUMBER: NT10BIX5570039

DATE: 06/19/2014

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 6/30/2015

**3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).**

None.

**Infrastructure Budget Execution Details**

**Activity Based Expenditures (Infrastructure)**

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Budget for Entire Project				Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
Cost Classification	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Administrative and legal expenses	\$2,228,962	\$616,189	\$1,612,773	\$2,262,644	\$673,910	\$1,588,734	\$2,262,644	\$673,910	\$1,588,734
b. Land, structures, right-of-ways, appraisals, etc.	\$750,000	\$750,000	\$0	\$750,000	\$750,000	\$0	\$750,000	\$750,000	\$0
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
e. Other architectural and engineering fees	\$1,887,204	\$565,662	\$1,321,542	\$1,881,516	\$597,974	\$1,283,541	\$1,881,516	\$597,974	\$1,283,541
f. Project inspection fees	\$1,066,100	\$165,000	\$901,100	\$987,421	\$238,911	\$748,510	\$987,421	\$238,911	\$748,510
g. Site work	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
h. Demolition and removal	\$88,483	\$86,000	\$2,483	\$88,835	\$86,005	\$2,830	\$88,835	\$86,005	\$2,830
i. Construction	\$22,939,955	\$3,906,449	\$19,033,506	\$22,998,163	\$3,955,570	\$19,042,594	\$22,998,163	\$3,955,570	\$19,042,594
j. Equipment	\$11,200,689	\$2,000,000	\$9,200,689	\$11,192,814	\$1,786,930	\$9,405,884	\$11,192,814	\$1,786,930	\$9,405,884
k. Miscellaneous	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>l. SUBTOTAL (add a through k)</b>	\$40,161,393	\$8,089,300	\$32,072,093	\$40,161,393	\$8,089,300	\$32,072,093	\$40,161,393	\$8,089,300	\$32,072,093
m. Contingencies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>n. TOTALS (sum of l and m)</b>	\$40,161,393	\$8,089,300	\$32,072,093	\$40,161,393	\$8,089,300	\$32,072,093	\$40,161,393	\$8,089,300	\$32,072,093

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: \$0	b. Program Income to Date: \$0
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