

QUARTERLY 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 NT10BIX5570157	3. DUNS Number 830149840
4. Recipient Organization Adams County Communications Center, Inc. 7321 Birch Street, Commerce City, CO 80022-1446		
5. Current Reporting Period End Date (MM/DD/YYYY) 12-31-2014	6. Is this the last Report of the Award Period? <div style="text-align: center;"> <input type="radio"/> Yes <input checked="" type="radio"/> No </div>	
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 Michael Brunwsig	7c. Telephone (area code, number and extension) 303-227-7117 X	7d. Email Address mbrunswig@adcom911.org
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 02-12-2015	

Project Indicators (This Quarter)			
<p>1. Please describe significant project accomplishments completed during this quarter (600 words or less).</p> <p>Adcom completed all Long Term Evolution (LTE) related site work planned for 2014, completing the remainder of the 16 sites slated for Adams County and the City of Denver. Adcom also completed all fiber optic construction. Adcom made significant progress working with FirstNet in the development of the Key Learning Condition (KLC) agreement. Adcom also began discussions with the State of New Mexico, who expressed an interest in connecting their Radio Access Network (RAN) to the Adcom Evolved Packet Core (EPC). Adcom prepared a route modification package as well as a grant extension package which was approved by the NTIA in late December, for the purpose of deploying LTE services onto Denver International Airport (DIA).</p>			
<p>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).</p>			
	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
2a.	Overall Project	85	This figure increased due to the completion of the remaining sites planned for Adams County and Denver. The modest increase in this value accounts for the recent inclusion of Denver International Airport into the scope of the project. There are also some planned network infrastructure devices that Adcom will need to deploy to support this effort.
2b.	Environmental Assessment	100	No Variance. It has been determined that no additional Environmental Assessment work will be required to complete the project. The environmental studies for the DIA sites has been approved by the NTIA.
2c.	Network Design	90	This figure has been revised with the inclusion of DIA and potentially the State of New Mexico.
2d.	Rights of Way	100	No Variance
2e.	Construction Permits and Other Approvals	95	This figure has been revised to include the 3 sites on DIA which will require permitting.
2f.	Site Preparation	95	This figure remains stagnant. While all site preparation work for the sites in Adams County and Denver has been completed, with the inclusion of the DIA into the project, there will be some additional site prep involved with those sites.
2g.	Equipment Procurement	90	This figure was lowered to account for the additional project scope to include DIA and potentially the State of New Mexico. Once network design is completed we will have a more accurate account of the equipment necessary to accommodate those users.
2h.	Network Build (all components - owned, leased, IRU, etc)	95	With the completion of the fiber optic network build, all that remains are 3 additional microwave links to be established. The network connection to DIA is already in place via our existing connection to the City of Denver, and if the State of New Mexico joins our network, they are responsible for network connectivity.
2i.	Equipment Deployment	85	While Adcom did deploy the remaining LTE sites, and associated equipment for our 16 sites, the inclusion of DIA added additional scope. Adcom also anticipates UE device roll out to take place throughout 2015.
2j.	Network Testing	85	All drive testing for the 16 sites in Adams and Denver has been completed with the exception of one site. However with the added scope of DIA additional network testing will be required on both the RAN and the backhaul networks associated with that project.
2k.	Other (please specify):	0	N/A
<p>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).</p> <p>Adcom did not face any challenges or issues where additional technical assistance from the BTOP program would have helped. Adcom has received a high level of support from our FPO and his team, and we feel lucky to have the level of support and assistance</p>			

provided to us.

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	95	While Adcom did complete the fiber optic work planned, the distance involved does not impact the number of miles deployed. The microwave links planned for Q1 of 2015 will add to this total.
New network miles leased	0	N/A
Existing network miles upgraded	90	No Change from Q3 2014. The microwave links planned for Q1 of 2015 will add to this total.
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	9	While Adcom did complete the fiber optic work planned, the distance involved does not impact the number of miles deployed.
Number of new wireless links	6	No Change from Q3 2014. Once the planned Microwave links are established this number will increase to 9.
Number of new towers	2	No Change from Q3 2014.
Number of new and/or upgraded interconnection points	6	No Change from Q3 2014.

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:
N/A

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:
N/A

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 this third party operates (600 words or less).
N/A

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	N/A
	Providers with signed agreements receiving improved access	0	N/A
	Providers with signed agreements receiving access to dark fiber	0	N/A
	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	18	This total includes the completion of fiber into the Northglenn Police Station, and the Northglenn City Hall. Also it came to my attention that the Jefferson County Sheriff Communication Center, and the Jefferson County Administration and Courts had been previously reported as connected, so this number accounts for those.
	Subscribers receiving new access	10	It came to my attention that the Jefferson County Sheriff Communication Center, and the Jefferson County Administration and Courts had been previously reported as connected, so this number accounts for those. The connection is physically in place however at this time we are not passing data.
	Subscribers receiving improved access	8	This total includes the completion of fiber into the Northglenn Police Station, and the Northglenn City Hall.
	Please identify the speed tiers that are available and the number or subscribers for each	4	No change from Q3 2014.
Residential / Households	Entities passed	0	Residential subscribers are not a part of the Adcom network.
	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	Business subscribers are not a part of the Adcom network.
	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).

N/A

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 baseline)	Are you also the broadband service provider for this institution? (Yes / No)	Narrative description of how anchor institutions are using BTOP-funded infrastructure
Northglenn Police Dept.	Northglenn	Public Safety Institution	No	This infrastructure will be used to support all data services provided to Northglenn PD by Adcom. These include public safety records management, reports, criminal records, and connections to public safety applications hosted by Adcom.
Northglenn City Hall	Northglenn	Other Government Facilities	No	The infrastructure provided to this location will be used to support civil operations, such as courts, evidence management, and other municipal government applications.

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).

Adcom plans to finalize an IGA with DIA in order to construct LTE sites on airport property. Adcom also plans to formalize an agreement with the State of New Mexico to connect their RAN to the Adcom EPC. Adcom hopes to finalize the KLC agreement with FirstNet, and begin work on providing KLC data to FN. Adcom will also begin UE device testing on the LTE network. Adcom anticipates the purchase and deployment of Virtual Core Network devices to support public safety broadband operations with the City of Denver and the State of New Mexico. If we are able to complete the remaining microwave links it will add approximately 10 miles, and 3 CAI's.

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	89	While Adcom did complete the planned work for Adams County and Denver, the addition of DIA, and the State of New Mexico has expanded the scope of work, so the percentage represents an estimate of where we will be by the end of Q1 2015.
2b.	Environmental Assessment	100	Adcom does not anticipate that any additional Environmental Assessment work.
2c.	Network Design	100	Adcom anticipates that all network design needed to integrate DIA and the State of New Mexico to be completed by the end of Q1 2015.
2d.	Rights of Way	100	Adcom does not anticipate additional rights of way.
2e.	Construction Permits and Other Approvals	98	Adcom anticipates that the majority of the construction permits necessary for DIA will be completed.
2f.	Site Preparation	95	Site preparation cannot begin until construction permits are issued, and we anticipate site prep to begin in force in Q2 2015.
2g.	Equipment Procurement	95	Adcom will make several network related equipment purchases in the first quarter of 2015.
2h.	Network Build (all components - owned, leased, IRU, etc.)	100	Adcom should complete the remaining microwave links during Q1 2015.
2i.	Equipment Deployment	90	Adcom plans to deploy several key network devices during Q1 2015, as well as continue the deployment of UE devices to our users.
2j.	Network Testing	90	Adcom anticipates that the last site within Adams County will be tested by the end of Q1 2015. The additional network testing will be focused on the LTE sites at DIA, which we plan to conduct during Q2 and Q3 of 2015.
2k.	Other (please specify):	0	N/A

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).

We hope that permitting for DIA as well as construction schedules will align with our plans, however those areas have to potential to impact the schedule.

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	\$583,584	\$114,686	\$468,898	\$442,039	\$95,080	\$346,959	\$457,039	\$95,080	\$361,959
b. Land, structures, right-of-ways, appraisals, etc.	\$1,543,553	\$1,441,125	\$102,428	\$1,502,466	\$1,441,125	\$61,341	\$1,595,731	\$1,524,390	\$71,341
c. Relocation expenses and payments	\$5,000	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$9,700	\$0	\$9,700	\$9,700	\$0	\$9,700	\$9,700	\$0	\$9,700
e. Other architectural and engineering fees	\$7,424,536	\$1,363,804	\$6,060,732	\$6,753,468	\$1,306,553	\$5,446,916	\$6,853,469	\$1,306,553	\$5,546,916
f. Project inspection fees	\$100	\$0	\$100	\$100	\$0	\$100	\$100	\$0	\$100
g. Site work	\$663,878	\$38,037	\$625,841	\$275,730	\$38,037	\$237,694	\$275,730	\$38,037	\$237,694
h. Demolition and removal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$1,505,943	\$746,992	\$758,951	\$1,368,165	\$746,992	\$621,173	\$1,418,165	\$746,992	\$671,173
j. Equipment	\$4,769,371	\$676,501	\$4,092,870	\$3,904,412	\$676,501	\$3,227,911	\$4,204,412	\$676,501	\$3,527,911
k. Miscellaneous	\$12,900	\$0	\$12,900	\$12,611	\$0	\$12,611	\$13,282	\$0	\$13,282
l. SUBTOTAL (add a through k)	\$16,518,565	\$4,381,145	\$12,137,420	\$14,268,691	\$4,304,288	\$9,964,405	\$14,827,628	\$4,387,553	\$10,440,076
m. Contingencies									
n. TOTALS (sum of l and m)	\$16,518,565	\$4,381,145	\$12,137,420	\$14,268,691	\$4,304,288	\$9,964,405	\$14,827,628	\$4,387,553	\$10,440,076

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