

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) 06-30-2012	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> 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 Scott Newman	7c. Telephone (area code, number and extension) X	
	7d. Email Address snewman@adcom911.org	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 08-10-2012	

Project Indicators (This Quarter)

1. Please describe significant project accomplishments completed during this quarter (600 words or less).
 During the second quarter of 2012 ADCOM911 maintained its focus on site development and backhaul network development. ADCOM911 successfully established connectivity to another CAI - City of Commerce City. A microwave link was installed to another CAI - Southwest Adams County Fire. That link is still pending further network configuration before it is activated. We also received approval of the route change request made in the previous quarter. ADCOM received additional LTE equipment from our vendor, which was ordered and paid for earlier in the project. This includes several ENodeB units, 50 USB Dongles, and 50 trunk mounted Mobile Modems. Testing continued with the existing Core and ENodeB mounted at the ADCOM911 site. Technicians were scheduled to begin additional deployment of equipment, both LTE and network related, to additional sites. ADCOM911 received the partial suspension order on May 11th, 2012, and all site and network development was placed on hold. The remainder of the quarter was spent providing a detailed accounting of funds spent through 5/11, and evaluating how to move forward with the project with the partial suspension in effect. While completing the expense audit, it was discovered some expenses were booked to the wrong line item in previous PPR reports. The categorized totals under Infrastructure Budget now coincide with the expense audit, the SF-425, and the ARRA report. Because of this, some categories will show less expenses than previous quarters, while some show more.

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	55	With the partial suspension in effect, ADCOM911 will have to evaluate whether to redirect remaining BTOP funds to network expansion alone, or slow the project progress until a decision is made regarding the FirstNet deployment and spectrum availability. This decision could potentially change the focus of the project, and affect overall percentage of project completed.
2b.	Environmental Assessment	100	No Variance
2c.	Network Design	100	No Variance
2d.	Rights of Way	100	No Variance
2e.	Construction Permits and Other Approvals	100	No Variance
2f.	Site Preparation	50	The revised EA was approved shortly before the suspension notice took effect. As such, no further site preparation took place, as noted above. Some site work performed in the previous quarters took longer than originally anticipated. Therefore, this number is lower than previously reported.
2g.	Equipment Procurement	75	Additional LTE equipment was received during the quarter. The equipment was purchased prior to receipt of the suspension notice. Due to the structure of the prime LTE contract, which is based on key milestones, the expenses for the equipment are not in sync with the receipt of the equipment. No additional network equipment was procured for backhaul as the revised EA was approved shortly before the suspension notice took effect.
2h.	Network Build (all components - owned, leased, IRU, etc)	35	One additional CAI was lit-up during the quarter, and a second CAI has equipment installed, pending configuration. Due to delays in the EA and changes to the network design ADCOM 911 did not begin further equipment deployment as anticipated. Large scale equipment deployment was scheduled to begin in March/April of 2012 and proceed throughout the summer of 2012. However, the approved EA was received just prior to the suspension notice, temporarily halting further network build efforts.
2i.	Equipment Deployment	30	One additional CAI was lit-up during the quarter, and a second CAI has equipment installed, pending configuration. Due to delays in the EA and changes to the network design ADCOM 911 did not begin further equipment deployment as anticipated. Large scale equipment deployment was scheduled to begin in March/April of 2012 and proceed throughout the summer of 2012. However, the approved EA was

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or subsequent written updates provided to your program officer)
			received just prior to the suspension notice, temporarily halting further equipment deployment efforts.
	2j. Network Testing	20	The fiber transport network has been tested thoroughly to the CAI locations where the work is complete. Those CAI locations are now actively using the transport network. Additional testing is now taking place with the microwave connection to another CAI. The LTE network was set for further expansion to multiple sites during the quarter. The network performance would be tested at each site as the equipment was deployed. However all work related to the LTE system was halted upon receipt of the suspension notice. No further network testing has been performed since that time.
	2k. Other (please specify):	0	N/A

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).

The largest challenge faced was receipt of the partial suspension notice. ADCOM911 had to place all efforts on hold. A full accounting of all expenses up to the suspension notice was required. Internal resources were redirected to complete the audit in a timely fashion. Further guidance was received, indicating that expansion of the broadband network was an acceptable use of the BTOP funds. However, ADCOM911 suspended any further technical work to provide time to assess our strategy moving forward. If ADCOM911 redirects all remaining funds toward network expansion, there will be no funds left to configure and deploy the LTE equipment we have already procured. However, additional benefit can be realized by expanding the transport network further than originally planned. Discussions continue between ADCOM911, NTIA, the FCC, and other community partners to further develop our strategy moving forward.

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	30	One microwave link was installed to another CAI - Southwest Adams County Fire, and is undergoing testing at this time. Further equipment configuration will need to be completed prior to production use of the link. Additional microwave and fiber optic infrastructure will be deployed once the project plan is revised.
New network miles leased	0	N/A
Existing network miles upgraded	25	The City of Commerce City link was placed into production during the quarter.
Existing network miles leased	0	N/A
Number of miles of new fiber (aerial or underground)	3	This is less than the projected deployment from our baseline report. This is due to the fact that we had to revise our Environmental Assessment, to change the fiber route in the ground from one path to another. Approval was received on the revised EA just prior to receipt of the suspension letter. One segment of a larger run was completed to connect to our 3rd major aggregation point. ADCOM911 is currently asking for vendor bids to install two additional fiber paths.
Number of new wireless links	1	One microwave link was installed to Southwest Adams County Fire.
Number of new towers	1	This is the above mentioned link to Southwest Adams County Fire. This is less than the projected deployment from our baseline report. This is due to the fact that we had to revise our Environmental Assessment, to change some of the sites housing tower facilities. Approval was received on the revised EA just prior to receipt of the suspension letter, so we were not

Indicator	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
		able to start the bid or build process for the additional tower sites.
Number of new and/or upgraded interconnection points	4	The City of Commerce City link will serve as an intermediary hub to additional fiber and/or microwave connections. This link is now active and in use by the CAI.

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

Subscriber Type	Access Type	Total	Narrative (describe your reasons for any variance from the baseline plan or any other relevant information)
Community Anchor Institutions (including Government institutions)	Total subscribers served	6	4 subscribers currently have equipment installed and configured. 3 of them are actively using the connection today. The fourth is scheduled to begin use of the new link within the 3rd quarter 2012. The two remaining have fiber installed, but do not have equipment installed yet. One is waiting for additional expansion of the network to a new endpoint, and one is waiting for the site owner to prepare the room to house equipment.
	Subscribers receiving new access	2	Adams County Government Center and City of Brighton previously had no access. Fiber is now run to their facility, though no equipment is installed or configured, as noted above.
	Subscribers receiving improved access	4	City of Commerce City formerly used an outdated microwave link. They are now actively using the new fiber optic network. Southwest Adams County Fire currently uses an internet based VPN, limited to 1 Mbps. Once their link is activated, they will begin using improved access as noted above.
	Please identify the speed tiers that are available and the number or subscribers for each	4	Each fiber link is operating at 1 Gbps, with connection to an Aggregation Point. The connections between Aggregation Points are operating at 10 Gbps. Since most individual links will carry more than one subscriber, each subscriber is provided 100 Mbps back to the aggregation points. Currently 2 subscribers are using 100 Mbps, and one subscriber is using 10 Gbps. The fourth will be using 100 Mbps when activated.
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).

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)	Type of Anchor Institution (as)	Are you also the broadband	Narrative description of how anchor institutions are using BTOP-funded infrastructure

	or county)	defined in your baseline)	service provider for this institution? (Yes / No)	
City of Commerce City	Commerce City	Govt. Institution	Yes	Users at the facility use the broadband connection to access Public Safety Applications housed at the ADCOM911 facility.
Southwest Adams County Fire	Berkeley Village, Adams County CO	Govt. Institution	No	Users at the facility will use the broadband connection to access Public Safety Applications housed at the ADCOM911 facility when the link becomes active.

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).
 ADCOM911 plans to continue deployment of the microwave and fiber optic networks that were part of the original plan and provide additional use besides the LTE system. For example, sites that will connect CAIs to the server applications housed at ADCOM911, sites that can be used for LMR and NextGen 911 backhaul, etc. ADCOM911 is hopeful the FCC will grant a temporary STA to deploy additional LTE sites within the area, according to the original plan. If the STAs are not granted, ADCOM911 will potentially re-scope the project to deploy additional broadband access which was not part of the original project plan.

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	58	At least one additional CAI link will either be deployed or activated. Some CAI locations are preparing facilities to house the broadband equipment. If their work is completed in the next quarter, then their links can be activated as well.
2b.	Environmental Assessment	100	No Variance, unless the project plan is re-scoped.
2c.	Network Design	100	No Variance, unless the project plan is re-scoped.
2d.	Rights of Way	100	No Variance, unless the project plan is re-scoped.
2e.	Construction Permits and Other Approvals	100	No Variance, unless the project plan is re-scoped.
2f.	Site Preparation	55	Additional site work will be performed for each new CAI link activated, and for any intermediary transport connections that are activated. Some site work performed in the previous quarters took longer, or required more work, than originally anticipated. Therefore, this number is lower than previously reported. If the project plan is re-scoped, the number will need to be adjusted again.
2g.	Equipment Procurement	85	All of the LTE specific equipment was purchased prior to the suspension notice. A vast majority of that has been received on site today and is currently housed in a roll-off storage unit. Additional network equipment will be purchased to provide links for additional broadband network connectivity.
2h.	Network Build (all components - owned, leased, IRU, etc.)	55	At least one additional CAI link will be activated in the coming quarter. At least one more intermediary transport connection will be activated in the coming quarter. If the project is re-scoped, it will require additional network build efforts, and will vary this number.
2i.	Equipment Deployment	55	At least one additional CAI link will be activated in the coming quarter. At least one more intermediary transport connection will be activated in the coming quarter. If the project is re-scoped, it will require additional network build efforts, and will vary this number.
2j.	Network Testing	25	At least one additional CAI link will be activated in the coming quarter. At least one more intermediary transport connection will be activated in the coming quarter. These links will be tested before they are placed into production availability. No new LTE site equipment will be tested unless the partial suspension is lifted.
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).

The biggest challenge for the upcoming quarter is the future direction of the project as a whole. ADCOM911 will evaluate whether to

RECIPIENT NAME:Adams County Communications Center, Inc.

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re-scope the project to provide additional broadband access beyond the original plan, or to build the network as originally designed and wait for direction related to the LTE system. If it is decided to deploy additional broadband access, the project plan will need to be revised, along with the budget. Additional EA work will need to be performed, and potentially new agreements established. If it is decided to wait for direction related to the LTE system, the overall progress of the project will slow significantly. Additional startup costs may be incurred from our vendors to get the project moving forward again, if approval is received to continue LTE development. Existing agreements may need to be revised in anticipation of delayed deployment.

