

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 NT10BIX5570158	3. DUNS Number 962696089
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4. Recipient Organization

Los Angeles Regional Interoperable Communications System Authority 2525 Corporate PL Ste 200, Monterey Park, CA 91754-7672

5. Current Reporting Period End Date (MM/DD/YYYY) 03-31-2020	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> No
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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 GINA SAMY FISCAL OFFICER I	7c. Telephone (area code, number and extension) (323) 881-8255
	7d. Email Address GINA.SAMY@LA-RICS.ORG

7b. Signature of Certifying Official 	7e. Date Report Submitted (MM/DD/YYYY): 05/08/2020
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Empty space for additional comments or notes.

Project Indicators (This Quarter)**1. Please describe significant project accomplishments completed during this quarter (600 words or less).****Long Term Evolution (LTE) Round 1**

On June 30, 2018, the grant-funded network transitioned to AT&T, the private partner of the First Responder Network Authority, at the close of the business agreement and approval of the asset transfer agreement from the National Telecommunications and Information Administration (NTIA) and approved by National Oceanic and Atmospheric Administration (NOAA). The Los Angeles Regional Interoperable Communications System (LA-RICS) Public Safety Broadband Network (PSBN) has been operating a spectrum lease agreement with FirstNet since its inception. Since the transition has occurred, LA-RICS is no longer operating the PSBN.

Public Safety Broadband Network (PSBN) Site Transition to AT&T:

During the 1st Quarter 2020, another 2 sites have transitioned and are integrated into the AT&T network for a total of 57 sites that have transitioned off the PSBN to the AT&T system.

Network Monitoring and Operations

Currently all operations are with AT&T.

Network Optimization

Currently all Network Optimization is being done by AT&T as they transition the PSBN sites to their Network.

Special Events

There were no special events conducted during 1st Quarter 2020.

Status of PSBN Agency Onboarding

All agencies onboarding program for LA-RICS have been concluded. No further on-boarding work is contemplated. All future on-boarding of agencies is at the sole discretion of AT&T/FirstNet

Long Term Evolution (LTE) Round 2

On December 11, 2019, LA-RICS submitted a funding Augmentation request for \$3,506,048 which includes an increase in funds to support construction of the 26 sites based on the actual bids received to date by site type. The funding Augmentation was approved during the 1st Quarter 2020.

Objective 1 (26) Site Augmentation :

Work continued on PSBN Round 2 during the 1st Quarter 2020 covering the following items: Site Access Agreement (SAA) negotiations continued to proceed. Finding Of No Significant Impact (FONSI) have been received for 29 sites (26 sites, plus 3 sites being considered for contingency only).

Zoning Drawings (ZDs) have been completed for 26 sites (including the three contingency sites) and Construction Drawings (CDs) have been completed for 25 sites. Draft CDs are being reviewed for 4 additional sites (including contingency sites). To date, a total of 24 Invitations for Bids (IFBs) have been issued for 24 sites, and a total of 13 Construction Contracts have been awarded for 13 sites.

Objective 2 Status:

LA-RICS and AT&T completed terms and executed the agreement for the FirstNet Remote Mobility Zone (FRMZ) service during 1st Quarter 2020. LA-RICS ordered the FRMZ equipment that will be delivered on April 7, 2020 to the Cell On Light Truck (COLT) and the Cell on Pickup Truck (COPT) vendor for installation when the COLT/COPT units are complete. During the 1st quarter 2020, the Notice To Proceed (NTP) for the COLT/COPT was issued. Final designs and equipment procurement are currently in progress for a completion of the COLT/COPT Units during 2nd Quarter 2020.

Outreach Reporting

Various meetings continued in the months of January, February and March with AT&T with ongoing discussions on technical and program management concerns, transition logistics as well as assignment and assumption agreement meetings for the migration of the PSBN to the NPSBN. During this reporting period, Executive Director Edson and Jacobs Program Management continued meetings with City Managers and/or Police and Fire Chiefs from the cities of Claremont, Covina, Irwindale, Montebello, Port of Los Angeles (POLA) and Port of Long Beach (POLB) to discuss potential Round 2 PSBN sites.

Board Actions

On January 15, 2020, the Board approved amendments to the Land Mobile Radio (LMR) Site Access Agreement (SAA) for LACF Del Valle (LACFDEL2) and Cerro Negro (CRN2); SAAs for Compton Courthouse (CCB2) and Pomona Courthouse (POM2) and a Tower Exchange Agreement for Scholl Canyon (SCHCYN) LTE2 sites. On and February 6, 2020, the Board approved SAAs for Claremont PD (CLRMPD), Cougar Water Tank (COUG), Montebello PD (MNTBPD), Port of Long Beach (POLB1), Port of Los Angeles (POLA1 and POLA2), and USFS Burnt Peak 1-2 (BUR1-2) LTE2 sites.

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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	83	Progress has been made on Site Access Agreements and Construction Drawings for PSBN Round 2 sites. During 1Q 2020, (9) construction contracts have been issued and an additional (8) IFBs have been released. Overall (24) IFBs have been issued and (13) Construction Contracts have been awarded.
2b.	Environmental Assessment	100	Finding Of No Significant Impact (FONSI) received for 29 sites (26 sites, plus 3 contingency sites).
2c.	Network Design	100	The list of 26 PSBN Round 2 sites has been finalized. LA-RICS and AT&T have agreed on parameters for extending network fiber to sites.
2d.	Rights of Way	92	Additional site access agreements have been executed with the City of Azusa, the City of Covina, and Mr. & Mrs. Thomsen (private landowners).
2e.	Construction Permits and Other Approvals	73	No new building permits were received in 1Q 2020.
2f.	Site Preparation	73	No new site construction was begun during 1Q 2020.
2g.	Equipment Procurement	95	Equipment has been ordered for 20 sites.
2h.	Network Build (all components - owned, leased, IRU, etc)	74	Network components have been installed at one site.
2i.	Equipment Deployment	74	Site equipment has been deployed at one site.
2j.	Network Testing	72	
2k.	Other (please specify):	0	

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 LTE Round 1 program has been 100% completed, tested and transitioned. Outstanding issue is the final Site Access Agreement (SAA) between AT&T and site owners.

The LTE Round 2 program has the following challenge or issues:

Objective 1

- 1.) In early March, supply-chain issues related to COVID-19 began to affect delivery dates for certain pieces of equipment. We expect these problems to continue for the foreseeable future.
- 2.) Later in March, stay-at-home orders by State and local governments due to COVID-19 began to impact LA-RICS' ability to timely complete designs and obtain site access agreement, zoning and building permit approvals. We expect these issues to also continue for the foreseeable future.
- 3.) Managing concurrent construction work at multiple sites.
- 4.) Securing Power delivery to sites where commercial power is not available. Evaluating solar options.
- 5.) We are also having delays with SCE delivering timely final power plans. Even though most plans were cleared during March/April, Monte Vista Star Center-2 (MVS2) is still delayed.

Objective 2

- 1.) Issues may occur with the COLT/COPT vendor's Q1 parts order due to the impact in Q1 and Q2 by COVID-19. Currently vendor has stated that parts are on schedule but could change.

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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	156	Includes all 15 point to point microwave links, including intermediate hops going to the non-LTE sites.
New network miles leased	0	No new network miles leased
Existing network miles upgraded	100	Calculates distance between nodes used on Los Angeles County and City of LA fiber.
Existing network miles leased	494	Existing network miles leased from Time Warner Cable and AT&T to Los Angeles County Fire Command Control Facility.
Number of miles of new fiber (aerial or underground)	0	Essentially less than a mile for site communication.
Number of new wireless links	12	PSBN microwave links.
Number of new towers	30	There are currently 30 Towers installed.
Number of new and/or upgraded interconnection points	0	N/A

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)

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	0	It is estimated that 606 CAIs will be added to the completed Network.
	Subscribers receiving new access	0	Pending system acceptance.
	Subscribers receiving improved access	0	Pending system acceptance.
	Please identify the speed tiers that are available and the number or subscribers for each	0	Pending system acceptance.
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 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
N/A	N/A	N/A	N/A	N/A

Project Indicators (Next Quarter)

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

LTE Round 1- Initial 76 Sites Program
County Fire and Sheriff continue with device transitions to the FirstNet Network.

PSBN Site Transition to AT&T:
AT&T has 57 of 75 sites transitioned to date. Currently we are tracking both site access agreements and site cutovers to ensure a majority of the sites are transition to AT&T FirstNet's Core by 3rd Quarter 2020.

PSBN Round 2

Objective 1 – (26) Site Augmentation: By the end of Q2 2020, we expect to have construction completed at two sites, and construction underway at the remaining 24 sites.

Objective 2 – Cell On Light Truck (COLT):

- 1.) The initial shipment of the FRMZ equipment will be delivered on April 7, 2020 to the COLT/COPT vendor for installation when the COLT/COPT units are complete.
- 2.) Final designs and equipment procurement are currently in progress for a completion of the COLT/COPT Units during 2nd Quarter 2020.

Outreach

Final negotiations with agencies for LTE Round 2 site access agreements to continue. Outreach to residents/businesses within 500 feet of a site is expected to place in April and May as required.

Board Actions

Joint Power Authority (JPA) Board has approved remaining Site Access Agreements for all LTE2 sites.

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	83	
2b.	Environmental Assessment	100	FONSIs have been received for all remaining sites.
2c.	Network Design	100	List of 26 sites has been finalized.
2d.	Rights of Way	100	Site Access Agreements to be executed for all 26 sites.

	Milestone	Planned Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2e.	Construction Permits and Other Approvals	100	Building permits to be issued for all 26 sites
2f.	Site Preparation	87	As has been reported site preparation/construction work to be completed at 2 sites and underway at all remaining sites
2g.	Equipment Procurement	100	Equipment to be ordered for all 26 sites.
2h.	Network Build (all components - owned, leased, IRU, etc.)	77	Equipment deployed at 2 sites.
2i.	Equipment Deployment	77	Equipment deployed at 2 sites.
2j.	Network Testing	77	Testing completed at 2 sites.
2k.	Other (please specify):	0	

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 LTE Round 2 program has the following challenge or issues:

Objective 1

- 1.) Managing delays in equipment delivery and delays in obtaining site access agreement, zoning, and building permit approvals due to COVID-19. As previously reported, we expect scheduling delays with field inspections during construction due to the Covid-19 pandemic.
- 2.) Securing Power delivery to sites where commercial power is not available. Evaluating solar options.
- 3.) We are also experiencing delays with SCE timely delivery of power designs.

Objective 2

- 1.) Effects of COVID-19 pandemic may have an impact on supply chain and delivery of parts for completion of the COLT/COPTS

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	\$38,582,924	\$15,259,561	\$23,323,363	\$36,382,068	\$13,425,728	\$22,956,340	\$36,700,002	\$13,533,767	\$23,166,235
b. Land, structures, right-of-ways, appraisals, etc.	\$26,074,247	\$13,439,034	\$12,635,213	\$11,835,524	\$11,180,778	\$654,746	\$11,881,322	\$11,208,389	\$672,933
c. Relocation expenses and payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
d. Architectural and engineering fees	\$38,448,541	\$1,569,511	\$36,879,030	\$37,449,384	\$1,569,511	\$35,879,873	\$37,573,658	\$1,569,511	\$36,004,147
e. Other architectural and engineering fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
f. Project inspection fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
g. Site work	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
h. Demolition and removal	\$17,903	\$0	\$17,903	\$0	\$0	\$0	\$0	\$0	\$0
i. Construction	\$33,689,249	\$0	\$33,689,249	\$24,161,862	\$0	\$24,161,862	\$24,186,433	\$0	\$24,186,433
j. Equipment	\$48,872,211	\$5,217,008	\$43,655,203	\$43,965,985	\$4,717,056	\$39,248,930	\$44,109,907	\$4,761,704	\$39,348,203
k. Miscellaneous	\$7,625,039	\$3,185,000	\$4,440,039	\$6,299,041	\$1,512,959	\$4,786,082	\$6,366,834	\$1,542,774	\$4,824,060
l. SUBTOTAL (add a through k)	\$193,310,114	\$38,670,114	\$154,640,000	\$160,093,864	\$32,406,032	\$127,687,833	\$160,818,156	\$32,616,145	\$128,202,011
m. Contingencies									
n. TOTALS (sum of l and m)	\$193,310,114	\$38,670,114	\$154,640,000	\$160,093,864	\$32,406,032	\$127,687,833	\$160,818,156	\$32,616,145	\$128,202,011

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:	b. Program Income to Date: