

U.S. Department of Commerce State and Local Implementation Grant Program Close Out Report				2. Award or Grant Number:	11-10-S13011
				4. EIN:	53-6001131
1. Recipient Name	District of Columbia Government			6. Report Date (MM/DD/YYYY):	5/29/2018
3. Street Address	200 I Street, SE			7. Reporting Period End Date: (MM/DD/YYYY)	5/29/2018
5. City, State, Zip Code	Washington, DC 20003				
10a. Project/Grant Period					
Start Date: (MM/DD/YYYY)	8/1/2013	10b. End Date: (MM/DD/YYYY)	2/28/2018		
Part A: Metrics - Final PPR Milestone Data (cumulative through the last quarter)					
	Project Type (Capacity Building, SCIP Update,	Project Deliverable Quantity (Number & Indicator Description)	Description of Milestone Category		
1	Stakeholders Engaged	1036	Actual number of individuals reached via stakeholder meetings during the period of performance		
2	Individuals Sent to Broadband Conferences	73	Actual number of individuals who were sent to third-party broadband conferences using SLIGP grant funds during the period of performance		
3	Staff Hired (Full-Time Equivalent)(FTE)	0.75	Actual number of state personnel FTEs who began supporting SLIGP activities during the period of performance (may be a decimal)		
4	Contracts Executed	2	Actual number of contracts executed during the period of performance		
5	Governance Meetings	41	Actual number of governance, subcommittee, or working group meetings held during the period of performance		
6	Education and Outreach Materials Distributed	6520	Actual volume of materials distributed (inclusive of paper and electronic materials) plus hits to any website or social media account supported by SLIGP during the period of performance		
7	Subrecipient Agreements Executed	0	Actual number of agreements executed during the period of performance		
8	Phase 2 - Coverage	Complete Dataset Submitted to FirstNet	Please choose the option that best describes the data you provided to FirstNet in each category during the period of performance: <ul style="list-style-type: none"> • Not Complete • Partial Dataset Submitted to FirstNet • Complete Dataset Submitted to FirstNet 		
9	Phase 2 – Users and Their Operational Areas	Complete Dataset Submitted to FirstNet			
10	Phase 2 – Capacity Planning	Complete Dataset Submitted to FirstNet			
11	Phase 2 – Current Providers/Procurement	Complete Dataset Submitted to FirstNet			
12	Phase 2 – State Plan Decision	Complete Dataset Submitted to FirstNet			
Part B: Narrative					
Milestone Data Narrative: Please Describe in detail the types of milestone activities your SLIGP grant funded (Please reference each project type you engaged in. Example: Governance Meetings, Stakeholders Engaged)					

Stakeholders Engaged: The FirstNet DC planning team began stakeholder engagement in Q2 of the grant period, with the start of its regular briefings to the District's Interoperability Communications Committee (ICC), a working group of the Public Safety Statewide Interoperability Executive Council (SIEC). The December 2013 ICC meeting focused on how agencies would use and need broadband communications technology in 1) a planned large-scale multi-agency National Special Security Event (NSSE) and 2) an unplanned critical response event, such as a mass shooter, such as the then recent Navy Yard shooting. This also kicked off agency outreach engagement use case and user requirements gathering sessions, which began in January 2014 with the (Metropolitan Police Department (MPD), Homeland Security and Emergency Management Agency (HSEMA), the Department of Health, Health Emergency Preparedness and Response Administration (HEPRA), the District Department of Transportation (DDOT), the Department of Public Works (DPW), Fire and Emergency Management Services (FEMS), and the Department of Corrections (DOC). Sessions focused on planned events such as July 4th and Inauguration Day type activities and unplanned emergency events such as active shooter, major traffic disruptions, etc., depending on the agency's ESF role. These continued throughout 2014 and into 2015 with Department of Forensic Sciences (DFS), the Office of Unified Communications (OUC), the Department of Youth Rehabilitation Services (DYRS), the Office of the Chief Medical Examiner, the Department of Behavioral Health, the Department of General Services Protective Services Division, the Department of Human Services Emergency Management Division, and the Deputy Mayor for Public Safety & Justice (DMPSJ) and to outside entities including DC National Guard, DC Water, WMATA Transit Police, PEPCO, College Consortium, and the Public Services Commission, the National Cathedral Police, and DC Housing Authority Police, the Downtown DC Business Improvement District. Later engagements in 2015 focused on specific programs such as the MPD License Plate Reader and Automated Traffic Enforcement programs.

Consultation: In July 2014, the District submitted its consultation readiness package to FirstNet, with initial consultation ultimately conducted March 26, 2015. The event's goals of establishing a forum for information sharing between FirstNet and the District were largely met. This consultation event had 78 attendees, with 46 DC government stakeholders from the ICC/SIEC agencies and the Executive Office of the Mayor. Other attendees included utilities, state and regional representatives, and federal agency representatives from FEMA, OIG, CSOSA and DHS/OEC, in addition to FirstNet. District agency leads from HSEMA, FEMS, MPD, DPW, OUC and OCTO attended. Three use cases: the 2011 earthquake, the 2013 Navy Yard shooting, and the 2008 Presidential Inauguration, were addressed. In advance of FirstNet consultation, the FirstNet DC planning team provided a report to OCTO and public safety leadership with information on the National Public Safety Broadband Network and an assessment of District public safety agency needs for NPSBN services (drawn from agency engagements). This report was also helpful for incoming leadership in the DMPS&J. The District planning team also participated in the Programmatic environmental Impact Statement (PEIS) public meeting and provided comments to FirstNet in May 2016. District MPD, FEMS, OUC, HSEMA and OCTO representatives participated and provided input into the FirstNet Quality of Service, Prioritization, and Preemption Consultation Task Team focus group in August 2016.

State Plan Evaluation: In early 2017, the FirstNet DC planning team developed an NPSBN state plan evaluation matrix/plan to enable SMEs, public safety leaders, executive leadership, and other District reviewers to analyze, comment on, and evaluate the many components of the FirstNet/vendor draft state plan. This plan provides criteria for evaluation based on state data provided to FirstNet and its partner. It also provided a process for communication, review, collation, final analysis, and decision making within the District leading to the Mayor's final decision. The District conducted its state plan evaluation process with 43 stakeholders from 13 agencies participating as authorized reviewers of the FirstNet state plan. These included agency chiefs/directors and designated leads from SIEC and other critical agencies, and the Executive Office of the Mayor. The District followed this process to evaluate and socialize comments internally, and then to provide comments to FirstNet/AT&T on the state plan. In late 2017, the District obtained commitment from AT&T to meet its public safety requirements for mobile broadband, the CTO recommended opt-in to the SIEC and EOM, and ultimately the Mayor opted the District into FirstNet.

Data Collection and RFP Input: The District conducted data collection and provided data to FirstNet, as requested, by September 2015. The District updated this data and submitted this update to FirstNet, as requested, by September 2016. The District provided input to FirstNet on the FirstNet RFP in 2016.

Individuals Sent to Broadband Conferences: The FirstNet DC planning team participated in metro DC area, mid-Atlantic region (MACINAC) and national conferences including NTIA SLIGP (February 2014), FirstNet (October 2015, April 2016).

Please describe in detail any SLIGP program priority areas (education and outreach, governance, etc.) that you plan to continue beyond the SLIGP period of performance.

The District did not apply for a SLIGP 2.0 grant but will continue to engage in the following program priority areas after SLIGP 1.0 closeout:

Governance – The District intends to continue governance over the FirstNet service through its SIEC and ICC working group governance structure, with a dedicated sub-working group of representative ICC member agencies. This sub-working group will provide subject matter expertise in oversight of FirstNet service delivery, including: contract, accountability of AT&T, public safety user experience feedback and experience, feedback on management tools, identification of service gaps, and other recommendations on the service as needed. The ICC will serve as the working group in interoperability issues and initiatives within the National Capital Region.

Policies and Frameworks – The District will develop necessary policies and frameworks related to FirstNet service use, including Bring Your Own Device and data sharing and other identified areas of concern, as needed.

Public Safety User Outreach – The District will continue outreach to public safety user agencies, within the District government only, with the focus on helping agencies evaluate the appropriateness and need for FirstNet service as applicable to agency mission and public safety role.

Planning to Establish FirstNet Services on District Contracts – The District has already begun its efforts to incorporate FirstNet services into its cellular service contracts.

Preparation for the Transition of Emergency Communications Technologies to FirstNet – The District will integrate the planning and adoption of FirstNet services in the Statewide Communications Interoperability Plan (SCIP). It will also continue to engage with AT&T and FirstNet to 1) provide public safety stakeholder feedback, 2) get updates on network and system capabilities deployments from AT&T, 3) understand how District users' experiences relate to users in the Mid-Atlantic region and in other parts of the nation, and 4) discuss other relevant subjects as needed.

Planning for the Transition of Public Safety Applications, Software, Systems, and Databases into the FirstNet Environment – The District will inventory public safety communication applications, software, and datastores/databases that may leverage or interact with FirstNet services, evaluate the need for transition, and develop a transition strategy and roadmap as needed.

Data collection narrative: Please describe in detail the status of your SLIGP funded data collection activities.

The District conducted data collection and provided data to FirstNet, as requested, in 2015 and then submitted updates to this in 2016. In Spring 2015, the FirstNet DC planning team worked with public safety stakeholders to develop a strategy for gathering data, which involved using the DHS OEC Mobile Data Survey Tool to capture agency user, device, application, usage and cost data and by engaging District GIS teams to gather coverage and aggregated 911 call data. By Fall 2015, the District completed Stage 4 (submitted to FirstNet) data on Coverage, Users and their Operational Areas, Capacity Planning, and Current Providers/Procurement, and was a Stage 2 (data collection in progress) for State Plan Decision. In Summer 2016, the District SLIGP team provided updates for data collection and analysis/aggregation activities, in particularly related to coverage. The team reworked the District's traffic demand heat map that highlights areas of the District where the network might have higher than average network loading based on FirstNet's data criteria, including aggregated 311 call data. It also updated user device counts to accommodate a significant increase in body cameras deployed by DC MPD. By Winter 2017, the District had completed data collection in all categories, providing to FirstNet its state plan decision process, which was used when state plans were released.

Please describe in detail any data collection activities you plan to continue beyond the SLIGP period of performance.

N/A

Lessons Learned: Please share any lessons learned or best practices that your organization implemented during your SLIGP project.

The District relied on a pre-existing governance structure in the SIEC and its ICC working group. Consistency at the working group level and strong working relationships with the Statewide Interoperability Coordinator within DC HSEMA and with key public safety stakeholder agencies ensured continuity through the Mayoral transition in early 2016, as well as through various agency director level transitions over the four and a half year course of the grant.

Part C: Staffing

Staffing Table - Please provide a summary of all positions funded by SLIGP.

Name	FTE%	Project(s) Assigned	Change
Project Manager	10	Provide management of all aspects of project	No change
Outreach Manager/Project Coordinator	12	Provide management and coordination of all outreach activities	No change
Legal/Regulatory Analyst	10	Provide technical oversight, support, and management of all SLIGP activities	No change
Outreach Manager	0	N/A	Merged role into Outreach Mgr / Project Coordinator as of Q9
SWIC	0	N/A	Removed role as of Q9
Senior Administrative Assistant	0	N/A	Removed role as of Q9
Technical Lead	0	N/A	Removed role as of Q9

Part D: Contracts and Funding

Subcontracts Table - Include all subcontractors engaged during the period of performance. The totals from this table must equal the "Subcontracts Total" in your Budget Worksheet

Name	Subcontract Purpose	Type - Vendor/Subrec	RFP/RFQ Issued (Y/N)	Total Federal Funds Allocated	Total Matching Funds Allocated
CTC/Triage	Technical Subject Matter Experts	Vendor	N	\$341,035.00	\$131,943.00
CTC	Policy Governance/Planning	Vendor	N	\$91,101.00	\$16,499.00
CTC/Triage	Education and Outreach Support, Data Collection Support, Conference Planning	Vendor	N	\$4,018.00	\$5,927.00

Budget Worksheet

Columns 2, 3 and 4 must match your project budget for the entire award and your final SF 424A. Columns 5, 6, and 7 should list your final budget figures, cumulative through the last quarter

Project Budget Element (1)	Federal Funds Awarded (2)	Approved Matching Funds (3)	Total Budget (4)	Final Federal Funds Expended (5)	Final Approved Matching Funds Expended (6)	Final Total funds Expended (7)
a. Personnel Salaries	\$131,442.00	\$4,812.00	\$136,254.00	\$117,965.92	\$4,812.00	\$122,777.92
b. Personnel Fringe Benefits	\$31,338.00	\$0.00	\$31,338.00	\$32,875.75	\$0.00	\$32,875.75
c. Travel	\$27,382.00	\$0.00	\$27,382.00	\$7,909.89	\$0.00	\$7,909.89
d. Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
e. Materials/Supplies	\$29.00	\$1,000.00	\$1,029.00	\$0.00	\$1,000.00	\$1,000.00
f. Subcontracts Total	\$433,631.00	\$153,369.00	\$587,000.00	\$406,947.10	\$153,369.00	\$560,316.10
g. Other	\$12,900.00	\$0.00	\$12,900.00	\$0.00	\$0.00	\$0.00
Indirect	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
h. Total Costs	\$636,722.00	\$159,181.00	\$795,903.00	\$565,698.66	\$159,181.00	\$724,879.66
i. % of Total	80%	20%	100%	78%	22%	100%

Part E: Additional Questions: Please select the option (Strongly Disagree, Disagree, Neutral, Agree, Somewhat Agree, Strongly Agree) that best suits your answer.			
Overall, were SLIGP funds helpful in preparing for FirstNet?	Agree	What was most helpful? What challenges did you encounter?	<p>SLIGP funds helped the District inform District government and public safety stakeholder agency leadership and other public safety stakeholders in DC about the goals/roadmap of FirstNet and to track and communicate progress from Summer 2013 as a concept formed from federal law to Winter 2018 as a defined service resulting from a \$40+ billion public/private partnership between a federal agency and nationwide provider.</p> <p>SLIGP funds supported the District's planning team's efforts in outreach to DC public safety agencies, preparation for the District's initial and subsequent consultations with FirstNet, ongoing briefings to District public safety communications governance and working groups, participation in required and recommended broadband conferences and workshops, review of FirstNet calls for public comment on legal interpretations of statute, participation in FirstNet-led focus group on Quality of Service, Priority and Preemption (QPP), state data collection activities, and ultimately evaluation of the FirstNet state plan for DC and to provide a decision as required by law.</p> <p>Challenges in general were the long (almost five year) planning cycle. Over this time many people within the District transitioned, especially with the Mayoral election in 2016. In addition, as FirstNet and its interpretations of the governing law evolved and became more defined, the position of the agency came to reflect less of a dialog with states as collaborative "partners" as it had presented originally and more of a communication to states as recipients of a service where its primary partnership was with its selected provider.</p>
Were SLIGP funds helpful in planning for your FirstNet consultation?	Strongly Agree	What was most helpful? What challenges did you encounter?	<p>SLIGP funds were extremely helpful in our process leading up the FirstNet initial consultation in March 2015. The consultation was well attended by District public safety stakeholder agencies and provided three compelling use cases for FirstNet's consideration: the 2011 earthquake, the 2013 Navy Yard shooting, and the 2008 Presidential Inauguration as well as background documentation on FirstNet goals and processes and NPSBN RFP planning to that point.</p> <p>The challenge: The consultation enabled communications from FirstNet to the District about its plans, and it allowed the District to provide use case input and general dialogue. But it didn't facilitate or lead to a deeper dialogue between FirstNet and the District as to how DC could be a more collaborative partner in network development, which District technology leadership had believed would emerge.</p>
Were SLIGP funds helpful in informing your stakeholders about FirstNet?	Strongly Agree	What was most helpful? What challenges did you encounter?	<p>SLIGP funds were instrumental in the extended outreach conducted through in-person meetings with public safety responder and support agencies from early 2014 through 2015, both in and outside DC government, through governance/working group meetings, and in metro region workshops. The District planning team also used SLIGP funds to conduct data collection efforts using the DHS OEC Mobile Data Survey Tool through in-person and WebEx outreach sessions.</p>
Were SLIGP funds helpful in developing a governance structure for broadband in your state?	Neutral	What was most helpful? What challenges did you encounter?	<p>The District of Columbia had a governing body for public safety communications (the Statewide Interoperability Executive Council or SIEC) in place before the SLIGP period of performance and this body and its Interoperability Communications Committee (ICC) provided governance for SLIGP grant activities. District planning efforts leveraged the governance structure effectively, especially through ongoing briefings and communications via the ICC, which functioned consistently throughout the grant cycle and continues to function consistently.</p>
Were SLIGP funds helpful in preparing your staff for FirstNet activities in your state (e.g. attending broadband conferences, participating in training, purchasing software, procuring contract support etc.)?	Somewhat Agree	What was most helpful? What challenges did you encounter?	<p>SLIGP funds were helpful for the SPOC, contract support, and core public safety agencies to attend NTIA and FirstNet workshops and conferences throughout the planning grant period. In addition, funds were helpful for the SPOC to attend grant recommended conferences and workshops such as the NIST PSCR public safety broadband stakeholder meeting and APCO summits.</p>
Were SLIGP funds helpful in updating your Statewide Communications Interoperability Plan?	Strongly Agree	What was most helpful? What challenges did you encounter?	<p>SLIGP funds were used to enable the District to revise its Statewide Communications Interoperability Plan (SCIP) in 2014 and 2015 with FirstNet related information and to begin incorporating FirstNet information into SCIP updates in the District's 2017 eSCIP process.</p>

Were SLIGP funds helpful in preparing for your review of the FirstNet developed State Plan?	Strongly Agree	What was most helpful? What challenges did you encounter?	<p><i>SLIGP funds were useful in the District's state plan evaluation process development and execution. In early 2017, the FirstNet DC planning team developed an NPSBN state plan evaluation matrix/plan to enable SMEs, public safety leaders, executive leadership, and other District reviewers to analyze, comment on, and evaluate the many components of the FirstNet/vendor draft state plan. In executing this evaluation plan through the summer of 2017, the District convened public safety stakeholders, received and aggregated comments, and provided these comments/requirements to AT&T and FirstNet. When AT&T provided responses to District comments/requirements, this formed the basis for discussion through the fall of 2017. An original challenge in the process was the generic level of AT&T changes to the District's state plan; this was mitigated by direct discussion. Another indirect challenge in the evaluation process was the lack of clarity and late release of information from FirstNet regarding fees and financial risk for opt-out states, which made it difficult to accurately assess the costs/benefits of opting out in a timely way.</i></p>
Were SLIGP funds helpful in conducting FirstNet determined data collection?	Strongly Agree	What was most helpful? What challenges did you encounter?	<p><i>SLIGP funds were helpful in the District's data collection effort conducted in the summer of 2015 and updated in September 2016. The District planning team used SLIGP funds to conduct data collection efforts using the DHS OEC Mobile Data Survey Tool through in-person and WebEx outreach sessions. This effort provided a useful snapshot of District public safety communications usage at the time; however, it was not clear whether this information was used by the FirstNet vendor in its state plan development.</i></p>

Part F: Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose(s) set forth in the award documents.

Typed or printed name and title of Authorized Certifying Official:		Telephone (area code, number, and extension)	202-478-5835
Barney Krucoff, Interim Chief Technology Officer, District of Columbia Government		Email Address:	barney.krucoff@dc.gov
Signature of Authorized Certifying Official:		Date: <i>5/18/18</i>	5/29/2018
Sign here			