

Application for Federal Assistance SF-424		
* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
* 3. Date Received: <input type="text" value="12/20/2017"/>	4. Applicant Identifier: <input type="text"/>	
5a. Federal Entity Identifier: <input type="text"/>	5b. Federal Award Identifier: <input type="text"/>	
State Use Only:		
6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>	
8. APPLICANT INFORMATION:		
* a. Legal Name: <input type="text" value="Pennsylvania State Police"/>		
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="25-1671669"/>	* c. Organizational DUNS: <input type="text" value="3607007690000"/>	
d. Address:		
* Street1: <input type="text" value="1800 Elmerton Avenue"/>	Street2: <input type="text"/>	
* City: <input type="text" value="Harrisburg"/>	County/Parish: <input type="text"/>	
* State: <input type="text" value="PA: Pennsylvania"/>	Province: <input type="text"/>	
* Country: <input type="text" value="USA: UNITED STATES"/>	* Zip / Postal Code: <input type="text" value="17112-9718"/>	
e. Organizational Unit:		
Department Name: <input type="text"/>	Division Name: <input type="text"/>	
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: <input type="text" value="Major"/>	* First Name: <input type="text" value="Diane"/>	
Middle Name: <input type="text"/>	* Last Name: <input type="text" value="Stackhouse"/>	
Suffix: <input type="text"/>	Title: <input type="text" value="Director, Bur. of Comm. and Info. Services"/>	
Organizational Affiliation: <input type="text"/>		
* Telephone Number: <input type="text" value="717-346-5346"/>	Fax Number: <input type="text"/>	
* Email: <input type="text" value="distackhou@pa.gov"/>		

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

National Telecommunications and Information Admini

11. Catalog of Federal Domestic Assistance Number:

11.549

CFDA Title:

State and Local Implementation Grant Program

*** 12. Funding Opportunity Number:**

2018-NTIA-SLIGP-2

* Title:

State and Local Implementation Grant Program (SLIGP) 2.0

13. Competition Identification Number:

2018-NTIA-SLIGP-2

Title:

State and Local Implementation Grant Program (SLIGP) 2.0

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Pennsylvania Public Safety Broadband 2.0

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="1,200,000.00"/>
* b. Applicant	<input type="text" value="300,000.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="1,500,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 01/31/2019

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. SLIGP 2.0	11.549	\$	\$	\$ 1,200,000.00	\$ 300,000.00	\$ 1,500,000.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 1,200,000.00	\$ 300,000.00	\$ 1,500,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	SLIGP 2.0				
a. Personnel	\$ 0.00	\$ 171,300.00	\$	\$	\$ 171,300.00
b. Fringe Benefits	0.00	128,700.00			128,700.00
c. Travel	55,760.00	0.00			55,760.00
d. Equipment	0.00	0.00			0.00
e. Supplies	9,000.00	0.00			9,000.00
f. Contractual	1,105,240.00	0.00			1,105,240.00
g. Construction	0.00	0.00			0.00
h. Other	30,000.00	0.00			30,000.00
i. Total Direct Charges (sum of 6a-6h)	1,200,000.00	300,000.00			\$ 1,500,000.00
j. Indirect Charges	0.00	0.00			\$ 0.00
k. TOTALS (sum of 6i and 6j)	\$ 1,200,000.00	\$ 300,000.00	\$	\$	\$ 1,500,000.00
7. Program Income	\$ 0.00	\$ 0.00	\$	\$	\$ 0.00

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. SLIGP 2.0	\$	\$ 300,000.00	\$	\$ 300,000.00	
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)	\$	\$ 300,000.00	\$	\$ 300,000.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 575,000.00	\$ 150,000.00	\$ 150,000.00	\$ 125,000.00	\$ 150,000.00
14. Non-Federal	\$ 150,000.00	\$ 37,500.00	\$ 37,500.00	\$ 37,500.00	\$ 37,500.00
15. TOTAL (sum of lines 13 and 14)	\$ 725,000.00	\$ 187,500.00	\$ 187,500.00	\$ 162,500.00	\$ 187,500.00
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. SLIGP 2.0	\$ 625,000.00	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)	\$ 625,000.00	\$	\$	\$	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: 1,500,000		22. Indirect Charges: 0			
23. Remarks:					

Application Narrative

Commonwealth of Pennsylvania

Applicant's Capacity, Knowledge, and Experience

The applicant for the State and Local Implementation Grant Program (SLIGP) 2.0 is the Pennsylvania State Police (PSP), serving as the designated lead agency for the Commonwealth of Pennsylvania. PSP since its inception in 1905 has been dedicated to serving the public. It is PSP's stated desire to improve the ability to serve citizens with technology to increase the speed, accuracy, and availability of police and public safety data, so vital in today's information-driven world. PSP has a complement of 4,719 sworn officers and 1,850 civilian employees. PSP has jurisdiction in all political subdivisions of the commonwealth and routinely provides assistance to municipal, state, and federal law enforcement agencies. The PSP provides full-time or part-time police service to approximately 66 percent of the Commonwealth's municipalities, 60 percent of the Commonwealth's roadways, 82 percent of the Commonwealth's total land area, and 26 percent of the Commonwealth's total population. PSP provides primary police services to the majority of municipalities. The department is also tasked with a myriad of special functions created in response to legal mandates or public demand. PSP has 89 field station locations and various other offices across the state. PSP provides law enforcement and education services statewide, including investigative and laboratory services, municipal police officer training, lethal weapons training and licensing, drug evaluation and classification, and commercial vehicle inspection training, to name a few. PSP operates the Pennsylvania Criminal Intelligence Center and Commonwealth Law Enforcement Assistance Network (CLEAN), providing online access to criminal justice information to include: driver's licenses, motor vehicle registrations, and state criminal record history.

As an agency under the Governor's jurisdiction, PSP benefits from resources at the disposal of the Governor as well as from centralized review and control. Pennsylvania collects approximately \$28 billion of general funds annually for the operation of state government. Total state agency employment is approximately 79,000. The Governor's Executive Offices operate a centralized, integrated payroll, financial, and procurement system. All grant funds and grant expenditures are processed and tracked through this system, with centralized control provided by the state comptroller. The commonwealth complies with the Single Audit Act for federal funds.

Applicant's Qualifications

PSP is uniquely qualified to provide community outreach, law enforcement subject matter expertise, and experience as a system operator for public safety communications. The department has many points of involvement with the public, local law enforcement agencies, the entire first responder community, and all levels of government. PSP's enlisted members are highly respected throughout the commonwealth.

The PA-FirstNet team was assembled within PSP during the initial SLIGP project. This group of personnel, with expertise in various areas such as Global Information Systems (GIS), Radio Communications Policy, and Grants Management as well as having knowledge about the FirstNet initiative will be led by Pennsylvania's Single Point of Contact.

In July 2012, PSP assumed responsibility for operation of the Pennsylvania Statewide Radio Network (PA-STARNet), an 800 MHz land mobile radio system supported by an extensive microwave network. The system serves in conjunction with a VHF repeater communications system available to all PSP stations. These systems together provide an extensive footprint of antenna structures, facilities, and communications capacity across the state.

Under the direction of the Director of BCIS, PSP created the Communications Workgroup as an advisory committee to STARNet and the PA-FirstNet initiative. The committee is comprised of stakeholders from the Governor's Office of Administration, the Department of Transportation, the Emergency Management Agency (PEMA), the Department of Health, the Department of Conservation and Natural Resources, the Fish and Boat Commission, the Game Commission and the Department of Military and Veteran's Affairs.

PSP is also co-chair with the Governor's Office of Administration for the Strategic Workgroup, a committee established to provide governance over the STARNet and PA-FirstNet initiatives.

Applicant's Staffing Plan

PSP will staff the grant implementation with resources from the Bureau of Communications and Information Services (BCIS).

Leadership is provided by Major Diane Stackhouse and Captain Sean Georgia. Major Stackhouse, the Director of BCIS, a sworn officer with 30 years of public safety and leadership experience is the designated Single Point of Contact (SPOC) for the project. Captain Georgia, the Director of Radio and Information Services Division of BCIS, a sworn officer with 23 years of experience serves as the Deputy SPOC for the project.

Grant control and oversight is provided by Major Patrick Brinkley, Director of the Bureau of Research and Development. The Bureau provides oversight and monitoring for most grants received by the Department.

Day-to-day operational support is provided by the Statewide Radio Network (STARNet) Division of BCIS.

The Project Lead and Grant Administrator, Holly Caudill, with over 12 years of grant management experience will continue in the lead role of the PA-FirstNet team for SLIGP 2.0. The lead brings experience from the Broadband Technology Opportunities Program (BTOP) and the original State and Local Implementation Grant Program (SLIGP) and is supported by technical personnel within the Division.

The Statewide Interoperability Coordinator (SWIC) is positioned within the STARTNet Division. J. Mark Wrightstone has over 35 years of experience in public safety radio communications. Twenty-five of those years have been with the commonwealth working for Pennsylvania Emergency Management Agency (PEMA) and PSP. He has worked on interoperability issues with local governments and surrounding states for the past ten years.

The Policy and Communications Manager, Joseph Judge, has managed governance and policy activities for public safety communications for over four years within the department.

The GIS Manager, Adam Repsher, with over 11 years of mapping experience in public safety radio coverage will continue to support the SLIGP 2.0 project. Adam's expertise in GIS will assist the commonwealth in coordinating with AT&T and FirstNet as the network build begins.

Technical expertise from the Bureau, in addition to the personnel listed above, will be applied as required.

Applicant's Planned Activities for SLIGP 2.0

The Commonwealth of Pennsylvania's PA-FirstNet team will assist the FirstNet/AT&T team with addressing our public safety stakeholders with outreach and education on the rollout of the FirstNet project. Our public safety professionals participate within Counter Terrorism Task Force Regions and meetings on this level were productive during the original SLIGP award period.

To further support FirstNet, it is a recognized need to develop governance models and to create policies and procedures that will help state and local public safety entities work effectively with the FirstNet/AT&T team to foster adoption and use of the Nationwide Public Safety Broadband Network. Additional topics for discussion may be local control applications, cyber security, and identity credentialing and asset management (ICAM). Some of these discussions may transpire via webinar while others may be in person. The assistance of consultants with expertise in both public safety and technology would be sought for the project as well. Further details on the contractual portion of the project are included within the detailed budget.

The PA-FirstNet team will attend meetings and conferences to remain engaged with FirstNet and AT&T. The attendance at third party conferences such as IWCE, APCO, NENA as well as future SPOC conferences are included to keep the PA-FirstNet team up to speed on AT&T/FirstNet developments. Conferences will only be considered if they include a FirstNet track.

Detailed Budget Justification

Commonwealth of Pennsylvania

Personnel

		Increment 1	Increment 2 NTE
Federal:	\$0	\$0	\$0
Non-Federal:	\$171,300	\$64,230	\$107,070
Total:	\$171,300	\$64,230	\$107,070

The budget allocated to personnel is **\$171,300**. These funds will be covered by state match with no federal funding intended to be used in this category. This is an in-kind match. Please see the detailed spreadsheet for calculations.

The Director of the Bureau of Communications and Information Services within the Pennsylvania State Police will dedicate an average of 10% of his or her time to perform the duties of the Single Point of Contact (SPOC). This role will provide project and grant oversight as well as possess authority over the project. This position relies heavily on information provided by the key positions on the project noted to be the Deputy SPOC, the SWIC, the Administrative and Grants professional and the Policy Specialist. The time is shown as 10% x 2 years on the detail. As needed, the percentage of time devoted to this project will increase.

A Deputy Single Point of Contact or Deputy SPOC is included in the personnel budget to provide project oversight and management for the full grant period. This person, a Captain within the Bureau of Communications and Information Services (BCIS) of the PA State Police, will be responsible for picking up duties in coordination with the SPOC and acting as the secondary SPOC whenever necessary. This position will devote up to 15% of his or her time to the project. The time for this person is shown as 15% x 2 years as the number of units in the detail spreadsheet.

Pennsylvania will use 15% of the Statewide Interoperability Coordinator's (SWIC's) time over the entire project period. This person currently works in the Statewide Radio Network (STARNet) Division as a Pay Range 10. The SWIC will work on much of the interoperability aspects of the project and coordination with users of the network. The time for this person is shown as 15% x 2 years as the number of units in the detail spreadsheet.

The Commonwealth is including support of a full-time Grants Manager to provide for procurement and budgeting needs as well as all grant reporting, administration and outreach/education presentations at user group meetings. This person will devote 30% of his or her time to the project for the full grant period as a Pay Range 9. This person will fully transition to SLIGP 2.0 grant administration at the end of the original SLIGP grant closeout, and will split time between the two grants until then. During the period in which this person is administering two grants, all activities will be documented to allocate accurately the percentage of time devoted to each project. As needed, the percentage of time devoted to this project will increase. The time for this person is shown as 30% x 2 years as the number of units in the detail spreadsheet.

A Policy Specialist is included in the budget to review all communications to stakeholders and government officials. This person will devote up to 15% of his or her time over the full two years of the grant. This position is a Pay Range 9. The time for this person is shown as 15% x 2 years as the number of units in the detail spreadsheet.

A Geographic Information Systems (GIS) Manager will provide support to the project by providing 10% of his or her time for the full two years of the project. This person will use the data we received from surveys during the original SLIGP as well as information from

FirstNet and AT&T to assist in determining the prioritized areas where coverage improvements are desired. The time is shown as 10% x 2 years on the detail spreadsheet.

Fringe Benefits

		<i>Increment 1</i>	<i>Increment 2 NTE</i>
<i>Federal:</i>	\$0	\$0	\$0
<i>Non-Federal:</i>	\$128,700	\$48,270	\$80,430
<i>Total:</i>	\$128,700	\$48,270	\$80,430

*The budget allocated to Fringe Benefits is **\$128,700**. These funds will be covered by state match with no federal funding intended to be used in this category. This is an in-kind match. Please see the detailed spreadsheet for calculations.*

Pennsylvania intends to cover the fringe benefits for the persons noted in the personnel section of our budget for the time they are devoted to the project over the grant period. Fringe benefits are shown at a percentage of their salaries, as provided by the Pennsylvania State Police budget office and remains at the same percentages as used in the original SLIGP. The number of units shown for each person on the detailed spreadsheet shows the same calculation of % of time multiplied by the number of years that they will contribute to the project as noted in the personnel section for each position.

The Director of the Bureau of Communications and Information Services within the Pennsylvania State Police will dedicate an average of 10% of his or her time to perform the duties of the Single Point of Contact (SPOC). Fringe is based on 74.24% of total salary for this sworn position and includes health, hospitalization, life insurance, worker's compensation and retirement benefits. Fringe cost calculation: Total annual salary x fringe benefit rate x time contribution.

The Deputy Single Point of Contact or Deputy SPOC position will dedicate an average of 15% of his or her time to the project to perform his or her duties. Fringe is based on 77.02% of total salary for this sworn position and includes health, hospitalization, life insurance, worker's compensation and retirement benefits. Fringe cost calculation: Total annual salary x fringe benefit rate x time contribution.

The Statewide Interoperability Coordinator's (SWIC's) will dedicate an average of 15% of his or her time to perform the duties of SWIC. Fringe is based on 67.23% of total salary for this civilian position and includes health, hospitalization, life insurance, worker's compensation, FICA and retirement benefits. Fringe cost calculation: Total annual salary x fringe benefit rate x time contribution.

The Grants Manager will dedicate an average of 30% of his or her time to perform duties for this project. Fringe is based on 78.18% of total salary for this civilian position and includes health, hospitalization, life insurance, worker's compensation, FICA and retirement benefits. Fringe cost calculation: Total annual salary x fringe benefit rate x time contribution.

The Policy Specialist will dedicate an average of 15% of his or her time to perform the duties necessary for the project. Fringe is based on 77.35% of total salary for this civilian position and includes health, hospitalization, life insurance, worker's compensation, FICA and retirement benefits. Fringe cost calculation: Total annual salary x fringe benefit rate x time contribution.

The GIS Manager will dedicate an average of 10% of his or her time to perform the duties necessary for the project. Fringe is based on 73.38% of total salary for this civilian position and includes health, hospitalization, life insurance, worker's compensation, FICA and

retirement benefits. Fringe cost calculation: Total annual salary x fringe benefit rate x time contribution.

Travel

		<i>Increment 1</i>	<i>Increment 2 NTE</i>
<i>Federal:</i>	\$55,760	\$27,880	\$27,880
<i>Non-Federal:</i>	\$0	\$0	\$0
<i>Total:</i>	\$55,760	\$27,880	\$27,880

*The budget allocated to Travel is **\$55,760**. This category will be covered by federal funding. Please see the detailed spreadsheet for calculations.*

Travel to anticipated NTIA national meetings or FirstNet SPOC meetings is included for up to five persons to attend up to one meeting per year of the grant. The estimated costs to attend these meetings include travel, accommodations and subsistence and are estimated on the costs for travel to similar events during the original SLIGP award period.

The Commonwealth is including costs for five persons to attend IWCE, APCO and NENA meetings each year of the award period provided that a FirstNet representative is speaking at these conferences. The estimated costs to attend these meetings include travel, accommodations and subsistence and are estimated on the costs for travel to similar events during the original SLIGP award period.

The budget includes travel to regional meetings to be held for multiple states to consult with one another and share lessons learned. The estimated costs to attend these meetings include travel, accommodations and subsistence and are estimated on the costs for travel to similar events during the original SLIGP award period.

The remaining item within the travel category will cover the costs for two representatives from the PA-FirstNet team to travel around the state providing outreach and education assistance to the FirstNet and AT&T teams. This estimate is based on the scheduling of two meetings per year for each of the nine regional task forces. These estimates are also based upon the costs for similar travel during the original SLIGP award period.

Equipment

*This budget category is not being used with this project; therefore, **\$0** is allocated.*

Supplies

		<i>Increment 1</i>	<i>Increment 2 NTE</i>
<i>Federal:</i>	\$9,000	\$4,500	\$4,500
<i>Non-Federal:</i>	\$0	\$0	\$0
<i>Total:</i>	\$9,000	\$4,500	\$4,500

*The budget allocated to Supplies is **\$9,000**. This category will be covered by federal funding. Please see the detailed spreadsheet for calculations.*

The Supplies category includes any supplies needed to assist with the Commonwealth's Outreach and Education efforts to assist FirstNet. This category may include a presentation laptop, portable projector and other supplies to assist in this effort.

Contractual

		<i>Increment 1</i>	<i>Increment 2 NTE</i>
<i>Federal:</i>	<i>\$1,105,240</i>	<i>\$377,620</i>	<i>\$727,620</i>
<i>Non-Federal:</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>
<i>Total:</i>	<i>\$1,105,240</i>	<i>\$377,620</i>	<i>\$727,620</i>

The budget allocated to Contractual is **\$1,105,240**. This category will be covered by federal funding. Please see the detailed spreadsheet for calculations.

This category includes costs for two consultants with technical and public safety backgrounds to assist with stakeholder meetings whether they be FirstNet meetings or our own Governance and Policy discussions. The costs shown are based upon similar work completed during the original SLIGP award period and show a quantity that would allow for a total of four meetings per task force region (total of 9 regions) within Pennsylvania.

The Commonwealth recognizes the need to set up governance and assist in creating policy for our stakeholders and as a result, we are anticipating up to four webinars over the course of the two year award period of SLIGP 2.0. The topics for these webinars are still to be determined; however, they will likely involve topics such as applications and cyber security as well as Identity Credentialing and Access Management (ICAM) as well as Local Control and Coverage/Capacity. The costs that have been included within the budget for these webinars are based upon similar work completed during the original SLIGP award period.

A subscription to Constant Contact, an online application that houses all of our lists of public safety contacts within the commonwealth and allows for standardized meeting invitations was maintained during the original SLIGP award period. The cost for this subscription to continue into the SLIGP 2.0 award is included in this budget. The cost is based upon the number of stakeholder contacts held within the application. The anticipated cost for this subscription is \$1,350/year.

A Marketing and Outreach/Education website was created during the original SLIGP award period. For continuity, costs have been included within this budget to maintain the PA-FirstNet.com site. While outreach and education provided by the state is very limited on the SLIGP 2.0, this website has become a location that our stakeholders use to gather information on the project as well as the status of FirstNet in our state. Moving into SLIGP 2.0, this site is envisioned to provide a link to the FirstNet.com marketing site as well as a tool to provide updates on the status of the rollout of AT&T's IOCs. This site will continue to be a location for our stakeholders to ask questions and locate contacts on the project. The costs shown are based upon those incurred during the original SLIGP award period.

The Smartboard purchased during the original SLIGP requires high speed internet connectivity and as such, a line item in the budget is included to provide this service allowing the device to be used for presentations within our conference room as well as allows for our office to participate in webinars. The monthly charge for this service has been increased on a yearly basis. The cost for this service has been estimated on the charges incurred during the original SLIGP award period plus the anticipated increase going into the 2018 calendar year.

Project Management to assist in setting up meetings at FirstNet's request as well as to drive attendance numbers of the targeted audience for these meetings is included in the budget. FirstNet's provided guidance suggests that they want to hold meetings but that the burden of selecting location and making arrangements for the meetings will be on the state. The Commonwealth would use a contracted project manager to handle these details on our

behalf. The costs listed for project management within our detailed budget also includes the rental of meeting space for any FirstNet outreach and education events.

Construction

This budget category is not being used with this project; therefore, \$0 is allocated.

Other

		Increment 1	Increment 2 NTE
Federal:	\$30,000	\$15,000	\$15,000
Non-Federal:	\$0	\$0	\$0
Total:	\$30,000	\$15,000	\$15,000

The budget allocated to Other is **\$30,000**. This category will be covered by Federal funding. Please see the detailed spreadsheet for calculations.

The other category includes conference registrations to IWCE, APCO and NENA conferences provided that a FirstNet representative is presenting information. The budget includes estimated registration fees for these conferences based upon fees charged during the original SLIGP award period and includes five attendees attending each conference during the two year award period.

Pennsylvania Public Safety Broadband

STATE AND LOCAL IMPLEMENTATION GRANT PROGRAM 2.0 (SLIGP 2.0)—DETAILED BUDGET JUSTIFICATION

OBJECT CLASS CATEGORY (SF 424A)	STATE MATCH?	UNIT COST	NO. OF UNITS	EXTENDED COST	FEDERAL SHARE	NON-FED SHARE	INCREMENT
Personnel							
Single Point of Contact (SPOC)	Y	\$154,894	0.20	\$30,979	\$0	\$30,979	1, 2
Deputy Single Point of Contact (Deputy SPOC)	Y	\$134,823	0.30	\$40,447	\$0	\$40,447	1, 2
Statewide Interoperability Coordinator (SWIC)	Y	\$80,123	0.30	\$24,037	\$0	\$24,037	1, 2
Grants Manager	Y	\$67,020	0.60	\$40,212	\$0	\$40,212	1, 2
Policy Specialist	Y	\$68,037	0.30	\$20,411	\$0	\$20,411	1, 2
Geographic Information Systems (GIS) Manager	Y	\$76,069	0.20	\$15,214	\$0	\$15,214	1, 2
Personnel Subtotal:				\$171,300	\$0	\$171,300	
Fringe Benefits							
Single Point of Contact (SPOC)	Y	\$114,993	0.20	\$22,999	\$0	\$22,999	1, 2
Deputy Single Point of Contact (Deputy SPOC)	Y	\$103,841	0.30	\$31,152	\$0	\$31,152	1, 2
Statewide Interoperability Coordinator Fringe (SWIC)	Y	\$53,867	0.30	\$16,160	\$0	\$16,160	1, 2
Grants Manager	Y	\$52,396	0.60	\$31,438	\$0	\$31,438	1, 2
Policy Specialist	Y	\$52,627	0.30	\$15,788	\$0	\$15,788	1, 2
Geographic Information Systems (GIS) Manager	Y	\$55,819	0.20	\$11,164	\$0	\$11,164	1, 2
Fringe Benefits Subtotal:				\$128,700	\$0	\$128,700	
Travel							
NTIA National Meetings		\$900	10.00	\$9,000	\$9,000	\$0	1, 2
IWCE meetings		\$900	10.00	\$9,000	\$9,000	\$0	1, 2
APCO meetings		\$800	10.00	\$8,000	\$8,000	\$0	1, 2
NENA meetings		\$800	10.00	\$8,000	\$8,000	\$0	1, 2
FEMA Region 3 meetings		\$800	20.00	\$16,000	\$16,000	\$0	1, 2
Intra State Travel		\$80	72.00	\$5,760	\$5,760	\$0	1, 2
Travel Subtotal:				\$55,760	\$55,760	\$0	
Equipment							
Equipment Subtotal:				\$0	\$0	\$0	
Supplies							
Office supplies		\$4,500	2.00	\$9,000	\$9,000	\$0	1, 2
Supplies Subtotal:				\$9,000	\$9,000	\$0	
Contractual							
Project Management		\$14,350	48.00	\$688,800	\$688,800	\$0	1, 2
Statewide Webinars		\$13,381	4.00	\$53,524	\$53,524	\$0	1, 2
Public Safety Expert to attend stakeholder meetings		\$4,500	36.00	\$162,000	\$162,000	\$0	1, 2
Technical Expert to attend stakeholder meetings		\$4,500	36.00	\$162,000	\$162,000	\$0	1, 2
Constant Contact Subscription		\$1,350	2.00	\$2,700	\$2,700	\$0	1, 2
Marketing and outreach website hosting		\$1,374	24.00	\$32,976	\$32,976	\$0	1, 2
Smartboard Connectivity for Webinars		\$135	24.00	\$3,240	\$3,240	\$0	1, 2
Contractual Subtotal:				\$1,105,240	\$1,105,240	\$0	
Construction							
Construction Subtotal:				\$0	\$0	\$0	
Other							
IWCE meeting registration fees		\$1,500	10.00	\$15,000	\$15,000	\$0	1, 2
APCO meeting registration fees		\$750	10.00	\$7,500	\$7,500	\$0	1, 2
NENA meeting registration fees		\$750	10.00	\$7,500	\$7,500	\$0	1, 2
Other Subtotal:				\$30,000	\$30,000	\$0	
Total Direct Charges				\$1,500,000	\$1,200,000	\$300,000	
Indirect Charges				\$0	\$0	\$0	
TOTALS				\$1,500,000	\$1,200,000	\$300,000	
				Allocation per FFO, Request for Clarification:	\$1,200,000	\$300,000	
				over/under	\$0	(\$0)	

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

<p>SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Patrick D Brinkley</p>	<p>TITLE</p> <p>Director, Bureau of Research and Development</p>
<p>APPLICANT ORGANIZATION</p> <p>Pennsylvania State Police</p>	<p>DATE SUBMITTED</p> <p>12/20/2017</p>

Standard Form 424B (Rev. 7-97) Back

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, 'New Restrictions on Lobbying.' The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

* NAME OF APPLICANT

Pennsylvania State Police

* AWARD NUMBER

2018-NTIA-SLIGP-2

* PROJECT NAME

Pennsylvania Public Safety Broadband 2.0

Prefix:	* First Name:	Middle Name:
Major	Patrick	

* Last Name:	Suffix:
Brinkley	

* Title: Director, Bureau of Research and Development

* SIGNATURE:

Patrick D Brinkley

* DATE:

12/20/2017



COMMONWEALTH OF PENNSYLVANIA
OFFICE OF THE GOVERNOR
HARRISBURG

THE GOVERNOR

October 5, 2017

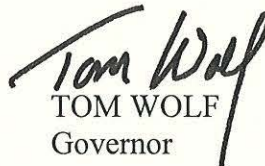
State and Local Implementation Grant Program
Office of Public Safety Communications
National Telecommunications and Information Administration
United States Department of Commerce
1401 Constitution Avenue, N.W.
HCHB Room 7324
Washington, D.C. 20230

To Whom It May Concern:

In accordance with the Middle Class Tax Relief and Job Creation Act of 2012, the Commonwealth of Pennsylvania designates the Pennsylvania State Police as the coordination agency for the State and Local Implementation Grant Program for the planning efforts of the national public safety broadband network. The single point of contact within the agency will be:

Major Diane M. Stackhouse
Director
Bureau of Communications and Information Services
Pennsylvania State Police
8001 Bretz Drive
Harrisburg, PA 17112
Office Number: 717-346-5346
Cellular Number: [REDACTED]
E-Mail Address: distackhou@pa.gov

Sincerely,


TOM WOLF
Governor

Cc: Major Stackhouse