

Application for Federal Assistance SF-424

Version 02

*** 1. Type of Submission:**

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

*** 2. Type of Application:**

- ☒ New
☐ Continuation
☐ Revision

*** If Revision, select appropriate letter(s):**

*** Other (Specify)**

*** 3. Date Received:**

Completed by Grants.gov upon submission.

4. Applicant Identifier:

5a. Federal Entity Identifier:

*** 5b. Federal Award Identifier:**

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

*** a. Legal Name:**

Vermont Department of Public Safety

*** b. Employer/Taxpayer Identification Number (EIN/TIN):**

03-6000264

*** c. Organizational DUNS:**

809376692

d. Address:

*** Street1:**

103 South Main Street

Street2:

*** City:**

Waterbury

County:

*** State:**

VT: Vermont

Province:

*** Country:**

USA: UNITED STATES

*** Zip / Postal Code:**

05671-2101

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

*** First Name:**

Francis (Paco)

Middle Name:

X

*** Last Name:**

Aumand III

Suffix:

Title: Director Division of Criminal Justice Servic

Organizational Affiliation:

*** Telephone Number:** 802 241-5488

Fax Number:

*** Email:** grantnotification@state.vt.us

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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:**

2013-NTIA-SLIGP-01

* Title:

State and Local Implementation Grant Program (SLIGP)

13. Competition Identification Number:

2013-NTIA-SLIGP-01

Title:

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

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

Vermont's FY13 State and Local Implementation Grant Program (SLIGP)

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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16. Congressional Districts Of:

* a. Applicant 00

* b. Program/Project VT00

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

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date: 07/01/2013

* b. End Date: 06/30/2016

18. Estimated Funding (\$):

* a. Federal	710,941.00
* b. Applicant	177,735.00
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	888,676.00

* 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.)

☐ Yes ☒ No

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: Keith

Middle Name: W.

* Last Name: Flynn

Suffix:

* Title: Commissioner

* Telephone Number: 802-244-8718

Fax Number:

* Email: grantnotification@state.vt.us

* Signature of Authorized Representative: Completed by Grants.gov upon submission.

* Date Signed: Completed by Grants.gov upon submission.

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*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

State and Local Implementation Grant Program (SLIGP)
Vermont Supplemental Application Narrative
Revised 6/12/13

1. Existing Governance Body

- a. Describe the organizational structure and membership of the existing Statewide Interoperability Governing Body (SIGB), or its equivalent, that is responsible for public safety communications in the State.

Vermont Communications Board - The Vermont Communications (VCOMM) Board is the Governance body responsible for statewide interoperable communications along with the creation and approval of Vermont's Statewide Communications Interoperability Plan. VCOMM was established through Executive Order in 2006. It should be noted however that a new board is being created to lead Vermont's Public Safety Broadband efforts. Members from VCOMM, the state Chief Information Officer (CIO), state designated POC and Vermont's Statewide Interoperability Coordinator (SWIC) will be appointed. State of Vermont Executive Order No. 03-13 will create the Vermont Public Safety Broadband Network Commission and is currently under review by Governor Peter Shumlin's staff.

The Vermont Public Safety Broadband Network Commission will be modeled after VCOMM and aligned with the Vermont Department of Public Safety for programmatic support. It will be led by a steering committee and supported by a Technical, Operational and Institutional Committees. To more easily understand the design and operation of the Commission we are providing an overview of the state's current SIGB.

In alignment with SAFECOM guidance, VCOMM established three sub-committees: a Technical Committee, an Operational Committee and an Institutional Committee. In addition to these three sub-committees, the Steering Committee was created to provide broad oversight of the project to ensure that all sub-committees are working towards a common goal. The Steering Committee is also responsible for budgetary oversight and working with other members of state and municipal government for the coordination of all plans and activities that are directly related to interoperable communications. The VCOMM Board will keep the Commissioner of the Department of Public Safety (SAA) updated on the progress of the statewide communications project. VCOMM reports to the Commissioner of Public Safety who has the responsibility by statute to brief the Governor's Office and the Legislative Oversight Committees on the progress of the project.

The statewide interoperable committee (VCOMM) is the governance body whose responsibilities includes, but is not limited to:

- to assess the state's overall interoperable communications capability, policies and needs;

- to enhance communication, coordination and cooperation, establishing guidelines and principles to reduce jurisdictional conflicts;
- to improve the policies, processes and procedures on interoperability projects;
- to develop strategies to establish a statewide VCALL/UCALL interoperable, accessible radio system for police, fire and emergency service responders that links local, state and federal agencies in Vermont as well as international and regional agencies in Canada and our neighboring states;
- to recommend the use of any funds appropriated by the General Assembly for statewide interoperability to the Commissioner of Public Safety;
- to ensure that Vermont has a Statewide Communications Interoperability Plan that is updated annually;
- to educate first responders on the Federal Communications Commission narrow-banding mandate for public safety land mobile radio systems operating in the 150-512 MHz radio bands to cease operating using 25 kHz efficiency technology and begin operating using at least 12.5 kHz efficiency technology by January 1, 2013; and
- to report on Vermont's progress on achieving statewide interoperability plan and the status and use of federal homeland security grant funds for this purpose to the Governor on or before September 1 of each year.

There are 430 first responder agencies in Vermont. All first responders have input through their respective representatives on the VCOMM Board.

More than 25 entities are listed in the Executive Order, representing over 500 federal, state, local and non-governmental organizations. VCOMM has secured MOUs with the representatives of the Vermont first responder community to utilize state and local funds for the build-out of the Lifeline System. MOUs exist for the sharing of communications usage, equipment and technology both nationally, within New England as well as with Canada.

In alignment with SAFECOM guidance, three VCOMM sub-committees were established: a Technical Committee, an Operational Committee and an Institutional Committee. In addition to these three sub-committees, the Steering Committee was created to provide broad oversight of the project to ensure that all sub-committees are working towards a common goal. The Steering Committee is also responsible for budgetary oversight and working with other members of state and municipal government for the coordination of all plans and activities that are directly related to interoperable communications. The VCOMM Board will keep the Commissioner of the Department of Public Safety (SAA) updated on the progress of the statewide communications project. VCOMM reports to the Commissioner of Public Safety who has the responsibility by statute to brief the Governor's Office and the Legislative Oversight Committees on the progress of the project.

The Operational Committee has created a U-Call/V-Call User's Guide, is responsible for training materials posted on the VCOMM web site and is working with Vermont's Public Safety Academies to provide training on the Lifeline System for all current and future first responders

and dispatchers. They are drafting National Incident Management System (NIMS) compliant Standard Operating Procedures (SOP) for the use of the Lifeline System.

VCOMM includes members appointed by the Governor who represent Volunteer Firefighters, the Professional Fire Fighters of Vermont, the Vermont State Firefighters Association, the Vermont Career Fire Chiefs' Association, the Vermont Department of Health Emergency Medical Services (EMS), the Vermont Ambulance Association, the E-911 Board, the Vermont State Police, the Vermont Sheriffs' Association, the Vermont Association of Chiefs of Police, the Vermont Department of Fish & Wildlife/Law Enforcement Division, the Vermont Agency of Transportation, Vermont Emergency Management, the Vermont Division of Fire Safety, Vermont Criminal Justice Services, the Vermont Department of Forests, Parks & Recreation, the Vermont Agency of Agriculture, Food & Markets, the Vermont Department of Motor Vehicles, the Vermont League of Cities & Towns, the Vermont Agency of Commerce and Community Development, the Vermont Department of Information and Innovation, a federal law enforcement agency, the American Red Cross, U.S. Department of Homeland Security and appropriate private community organizations. In addition, a full-time member of the Vermont National Guard has been appointed to the VCOMM Board by the Governor as the Department of Defense liaison to VCOMM.

VCOMM Board Members:

Honorific	First Name	Last Name	Discipline
Mr.	Francis X "Paco"	Aumand III	Director – Vermont Criminal Justice Services
Mr.	Al	Barber	Chair – Technical Committee; Vermont State Firefighter's Association; Chief – Hinesburg Fire Department
Mr.	Brad	Curtis	US Border Patrol
Mr.	Raymond	Danis	Network Administrator III - Vermont Department of Information and Innovation
Mr.	Charles	Deasy	Vermont Department of Health
LTC	Dwight	DeCoster	Director of Military Support
Chief	Paul	Duquette	Chair - VCOMM
Captain	William "Jake"	Elovirta	Chief of Safety - Vermont Department of Motor Vehicles
President	James	Finger	President - Vermont Ambulance Association; Chief Executive Administrator - Regional Ambulance Service, Inc.
Mr.	Ronald	Gauthier	American Red Cross
Ms.	Jayna	Guilford	Agency of Commerce and Community Development
Chief	Chris	Herrick	Chief - Hazardous Materials Response Team; Vermont Division of Fire Safety

Chief	Doug	Johnston	Chair - Institutional Committee; Chief - Springfield Police Department
Ms.	Alison	Kosakowski	Marketing and Promotions Administrator - Vermont Agency of Agriculture, Food & Markets
Mr.	Terry	LaValley	Co-Chair Steering Committee; Public Safety Communications Program Manager - Criminal Justice Services
Sheriff	Roger	Marcoux	Co-Chair - Steering Committee; Vermont Sheriffs' Association; Sheriff - Lamoille County Sheriff's Department
Chief	Kenneth	Morton	Chief - Williston FD
Captain	Donald	Patch	Troop Commander - Vermont State Police
President	Gene	Perkins	President - Vermont Fire Chiefs' Association
Mr.	Brad	Reed	Captain - St. Johnsbury Fire Department
Mr.	Rob	Schell	Emergency Field Operations Chief - Vermont Emergency Management
Mr.	Curtis P.	Smiley	Vermont Department of Fish and Wildlife
Mr.	David	Tucker	Executive Director - VT Enhanced 911
Mr.	Robert T.	White	Vermont Agency of Transportation
Mr.	Jonathan	Williams	Associate, Advocacy and Information - Vermont League of Cities and Towns

VCOMM Steering Committee Members:

Honorific	First	Last	Discipline
Mr.	Al	Barber	Chair - Technical Committee; Vermont State Firefighter's Association; Chief - Hinesburg FD
Chief	Paul	Duquette	Chair - VCOMM
Chief	Doug	Johnston	Chair - Institutional Committee; Chief - Springfield PD
Mr.	Terry	LaValley	Co-Chair - Steering Committee; Criminal Justice Services
LT	Mike	Manning	Vermont SWIC & Vermont Homeland Security Liaison; LT - VSP
Sheriff	Roger	Marcoux	Co-Chair - Steering Committee; Vermont Sheriffs' Association; Sheriff - Lamoille County Sheriff's Dept.
Chief	Kenneth	Morton	Chair - Operational Committee; Vermont Career Fire Chiefs' Association

VCOMM Operations Committee Members:

Honorific	First	Last	Discipline
Mr.	Francis X	Aumand III	Director - Vermont Criminal Justice Services
Chief	Paul	Duquette	Chair - VCOMM

Chief	Tom	Goddard	Putney Fire Department
Mr.	James	Leene	USAO-VT
LT	Mike	Manning	Vermont Homeland Security Liaison; LT - VSP
Chief	Kenneth	Morton	Chair - Operational Committee; Vermont Career Fire Chiefs' Association
Captain	Donald	Patch	Troop Commander – Vermont State Police
Chief	Dave	Severance	Cambridge Rescue Squad/IBM
Chief	Steve	Young	Beecher Falls FD

VCOMM Technical Committee Members:

Honorific	First	Last	Discipline
Mr.	Al	Barber	Chair - Technical Committee; Vermont State Firefighter's Association; Chief - Hinesburg FD
Mr.	Bill	Burden	Strafford LEMD; LEPC #12
Chief	Paul	Duquette	Chair - VCOMM
Mr.	Ron	Gauthier	American Red Cross
Mr.	Ron	Kumetz	Vermont State Firefighter's Association; Cornwall FD
Inspector	Matt	Nesto	Vermont Department of Motor Vehicles
Mr.	Rob	Schell	Vermont Emergency Management
Mr.	Paul	Valois	Contact Communications

VCOMM Institutional Committee Members:

Honorific	First	Last	Discipline
Chief	Paul	Duquette	Chair - VCOMM
Chief	Tom	Hanley	Vermont Association of Chiefs of Police; Chief - Middlebury PD
Chief	Doug	Johnston	Chair - Institutional Committee; Chief - Springfield PD
LT	Mike	Manning	Vermont Homeland Security Liaison; LT - VSP
Mr.	Thomas	Murray	Agency of Commerce and Community Development
Captain	Donald	Patch	Troop Commander – Vermont State Police

- b. Describe the SIGB's authority to make decisions regarding public safety communications and how these decisions are implemented.

The Executive Orders creating VCOMM provides and the new Public Safety Broadband Commission will provide decision making authority regarding public safety communications. Decisions made by the governance body are then implemented and acted upon by the appropriate state agency. Both VCOMM and the new Commission are aligned with the Vermont Department of Public Safety, the State Administrative Agency, for administrative, financial, programmatic and other support as needed.

The Vermont Telecommunications Authority (VTA) and Department of Information and Innovation, including the Chief Information Officer, work collaboratively with DPS on communications and technology projects.

- c. Describe how the State will leverage its existing SIGB, or its equivalent, to coordinate the implementation of the Public Safety Broadband Network (PSBN) in the State.

The Vermont Public Safety Broadband Network Commission (Commission) is being created to lead the implementation of the state's Public Safety Broadband Network. The Commission will have broad stakeholder representation to include members of VCOMM, the state CIO, state designated POC and Vermont SWIC.

The Commission will be responsible for the statewide planning, development, implantation and operation of an interoperable public safety broadband network that meets the interoperability goals and specifications of the FirstNet nationwide public safety broadband network. Primary support for the Commission will come from three state agencies.

The Vermont Department of Public Safety (DPS/SAA), Vermont Telecommunications Authority (VTA) and Vermont Department of Information and Innovation (DII/CIO) each bring together unique strengths and personnel to meet the challenges of developing and implementing a statewide interoperable wireless network and will work collaboratively with local, state, federal and NGO stakeholders to accomplish this goal. Please note that the state of Vermont has no federally recognized tribal entities.

Department of Public Safety – The Vermont Department of Public Safety's Division of Criminal Justice Services (CJS) built and maintains a statewide land mobile radio system that provides operable and interoperable communications for all of Vermont's first responders and stakeholders. The system provides robust statewide UHF and VHF network coverage with fault tolerance measures built into the overall system to reduce the impact to communications due to any system failures. Backhaul is primarily provided through a statewide microwave system. Multiple tower sites are owned and leased by the state to provide robust communications coverage.

DPS further maintains four Public Safety Answer Points (PSAP) linked to four local PSAPs for dispatching and 911 services. Recently installed equipment and technology upgrades provide significant enhancements to include gateway technology allowing interoperable communications intrastate, interstate and internationally.

DPS uses and maintains multiple technologies to include Long Term Evolution (LTE) to support communications and information sharing between the Vermont State Police, Division of Emergency Management and Homeland Security (DEMHS), Vermont Information and Analysis Center (formerly known as the Vermont Fusion Center), Vermont Criminal Information Center and Vermont's local, county, state and federal first responders and stakeholders. As this document is considered public information additional details will not be provided.

The Vermont Communications (VCOMM) Board was created in 2006 through Executive Order. The Vermont Communications Board's mission is to assess the state's overall interoperable communication capability, policies and needs; to advise on strategies to create an interoperable, accessible radio system for police, fire and emergency service responders that link local, state and federal agencies in Vermont as well as international and regional agencies in Canada and our neighboring states. VCOMM, Vermont's SIGB, was aligned with DPS for programmatic and project support. As a result the VCOMM Lifeline was designed and completed in December, 2012. This statewide interoperable radio communications system was built out on existing local and state communications infrastructure. Utilizing twenty-five communication towers, a new Multiprotocol Label Switching (MPLS) system that is supported through the state's microwave and T-1 lines for backhaul, P25 upgradeable communications and other technology enhancements were used to build out this new statewide interoperable communications platform. The VCOMM Lifeline uses the national UHF and VHF calling and tactical channels, in alignment with Vermont's Statewide Communications Interoperability Plan (SCIP) and the National Emergency Communications Plan (NECP).

The Vermont Department of Public Safety's Division of Emergency Management and Homeland Security and CJS aided in the planning, design review and project management for the VCOMM Lifeline project.

DEMHS provided the programmatic support through a multi-year funding strategy utilizing a series of MOUs with Vermont's first responder community allowing for the dedication of funding from multiple DHS awards to be used for the build out of the VCOMM Lifeline network. DEMHS provided planning, contractual, fiscal and project management support.

CJS provided technical design and review along with project management for VCOMM. CJS also worked with a variety of state and federal agencies to allow for the colocation of communication sites and other infrastructure sharing. CJS will now operate and sustain the VCOMM Lifeline.

Vermont Telecommunications Authority - The mission of the VTA was established as follows by the Vermont General Assembly and passed into law in June, 2007:

- That all residences and business in all regions of the state have access to affordable broadband services
- The ubiquitous availability of mobile telecommunication services including voice and high-speed data throughout the state
- The investment in telecommunications infrastructure in the state which will support the best available and economically feasible service capabilities
- That telecommunications and broadband infrastructure in all areas of the state is continuously upgraded to reflect the rapid evolution in the capabilities of available mobile telecommunications and broadband technologies, and in the capabilities of mobile telecommunications and broadband services needed by persons, businesses, and institutions in the state

- The most efficient use of both public and private resources through state policies by encouraging the development of open access telecommunications infrastructure that can be shared by multiple service providers

The focus of the VTA is on unserved and underserved areas and an overall long term goal of broadband and mobile phone infrastructure throughout the state. Current VTA projects include:

VTA FIBER OPTIC NETWORKS

VTA Construction – 2 Current Projects

Newport-to-Hardwick Project 41 Miles, 984 poles, 9 miles complete
4 utility pole owners (requiring agreements/make ready)
On target for scheduled completion

The Vermont Telecommunications Authority (VTA) has funded a multi-provider fiber optic communications link between Newport and Hardwick in Caledonia County. This project was authorized in Act 53 of the 2011-2012 legislative session and is funded with state capital and general appropriations.

The project includes a critical connection to the Newport Airport in Coventry as it upgrades to serve new businesses coming into the area.

Orange County Fiber Connector 36 miles, 864 poles, 11 miles complete, 2 licensees
3 utility pole owners (requiring agreements/make ready)
On target for scheduled completion

The Vermont Telecommunications Authority (VTA) is investing in the construction of fiber optic cable along 36 miles of key routes in Orange County and a neighboring portion of northern Windsor County. Some of the most significant concentrations of homes and business that do not yet have access to broadband are in these areas. This dark fiber project will be “lit” upon completion by broadband and mobile service providers. The providers will lease strands of fiber from the VTA. Funding for the project was made possible by an appropriation by the Legislature in the FY2012 Capital Budget.

VTA Designed and Built – 1 Project in Development

Northeast Kingdom Fiber - Connecting stranded fiber, commercial fiber and new VTA fiber facilities into a cohesive network in Essex and Orleans Counties.

VTA Managed – North-Link in Essex and Orleans Counties

Contracted to repair and license strands for existing fiber.

VTAs BTOP Grant Administration and Oversight of sub-grantee, plus State Funding Manager - VermontFiberConnect

A 770-mile fiber optic “middle-mile” network, designed to provide wholesale data transport services to other service providers such Internet Service Providers, telecom companies and cellular companies. Consistent with the objectives of the federal grant program, it is also designed to provide high-capacity connections to specific “community anchor institutions” such as K-12 schools, libraries, colleges, state government offices, public safety communications networks. The project will provide data transport service at speeds up to one gigabit per second to institutions, businesses, local broadband service providers, and cellular operators.

VTa CELLULAR SERVICE INFRASTRUCTURE

The VTA has identified potential locations for towers and conducted coverage testing on all federal aid highway system within Vermont in 2010. Target Corridors were identified for priority status for finding solutions. Multiple national cell service providers, plus local emergency services and utilities will all have the opportunity to lease space on each VTA-owned tower.

Bethel, Vermont Tower Completed November, 2012 –

One lease, AT&T and will soon be operational.

Fund and Oversee Rural Roaming Networks - 197 miles VTel Wireless, 90 miles CoverageCo.

Radio equipment mounted on utility poles or buildings are well suited to provide mobile broadband and cellular service to more isolated geographic areas.

The VTA will purchase equipment to serve nearly 90 miles of roadway not served by any cell phone carrier in three sections of the state. CoverageCo will lease the equipment from the VTA and operate it as part of their overall network. In addition, CoverageCo intends to cover an additional 125 road miles throughout the State, funded through private capital investment.

Multiple Tower Project on Route 9, Bennington & Windham Counties, 28 miles

National Tower Company will build multiple towers with supporting funding from the VTA. National cell provider has committed to leasing space from them.

Grant Proposal Pending

Economic Development Administration Grant approval pending for improved cellular service in towns impacted by Hurricane Irene and other 2011 flooding in Windham County, East Central Vermont and the Northeast Kingdom, 133 miles.

MTA BROADBAND EXPANSION

Using state funding mechanisms, the MTA supports infrastructure needed in order for broadband service providers to serve areas where population density is not enough for commercial investment. The MTA is not a retail service provider itself.

MTA provided funding for 17 projects – 5 in Progress, 12 Complete

Projects include all major delivery methods: DSL, Cable and Fiber to the Home, Wireless WiMAX and Wireless LTE.

Currently there are additional federally funded non-MTA programs, to include Broadband Initiatives Program (BIP), Broadband Technology Opportunities Program (BTOP) and State Broadband Data and Development Grant Program (SBDD) projects ongoing in Vermont enhancing broadband and cellular coverage statewide. Additional information may be found on the BroadbandVT.org website.

CIO and Department of Information and Innovation - DII was created in 2003 and provides direction and oversight for all activities directly related to information technology within state government, including telecommunications services, information technology equipment, software, accessibility and networks in state government. DII's mission is to improve state government effectiveness and productivity, by providing expertise, standards and shared services for the state enterprise and supports agency and/or department-specific IT. The CIO, who is also the Commissioner of DII, has broad authority to meet the goals of the department as established by statute and policy.

- d. How does the State plan to expand its existing SIGB to include representatives with an understanding of wireless broadband and Long Term Evolution (LTE) technology in order to facilitate its consultations with FirstNet?

The primary mission of Vermont's SIGB is interoperable land mobile radio communications. After evaluating the unique needs and challenges of developing and implementing a statewide interoperable wireless network it was determined that a separate SIGB would be created to focus specifically on this undertaking. Members of the Commission will bring together their collective knowledge and technical expertise regarding wireless broadband and LTE technology in order to more effectively facilitate consultations with FirstNet.

- e. Does the State currently dedicate sufficient financial resources to adequately support the SIGB? Does the State intend to invest funds received from SLIGP to financially support the SIGB? If so, provide the amount the State expects to request and describe the SIGB functions that these funds will support.

The state recognizes the need to provide personnel and resources to accomplish the goals of the Commission and the tremendous benefits that will result. Executive Order No. 03-13, which is currently under review, will commit state financial resources to support the Commission.

Vermont plans to invest \$546,000 received from SLIGP to support the Commission's Public Safety Broadband efforts. Vermont will seek a competitive RFP for a Project Management firm to develop the state plan for the build-out of the Public Safety Broadband Network. We estimate the contract to be \$500,000 with an additional \$46,000 necessary to support DII oversight and independent review fees.

Department of Information and Innovation (DII) is the state agency cognizant of any information technology project. All projects must be overseen by a DII Project Manager. The fee for this oversight is 3% of the contract cost totaling \$15,000.

Per Vermont Statute, all IT contracts that exceed \$500,000 are subject to an Independent Review by an outside firm to identify and mitigate any potential risks of said contract before execution. Vermont has estimated that the Independent Review will cost \$31,000.

2. Statewide Communications Interoperability Plan (SCIP)

- a. Are there existing strategic goals and initiatives in your SCIP focused on public safety wireless broadband? If so, what are they?

Public Safety Broadband and the utilization of same for enhanced interoperable communications is referenced in sub-section 2.1, Strategic Vision, Mission, Goal and Objectives, of the Vermont SCIP. However a true plan for the development, build out and utilization does not yet exist.

- b. Describe how the State has engaged local governments and tribal nations, if applicable, in public safety broadband planning activities that have been completed to date.

To date only initial planning has been conducted on the creation of the Vermont Public Safety Broadband Network Commission. The VCOMM Chair, a recently retired local police chief, provided input by representation of local law enforcement agencies and VCOMM. Executive Order No. 03-13, which will establish the creation and authority of the Commission, will require local first responders' representation.

There are no recognized federal tribal nations in Vermont.

- c. Does the State intend to use SLIGP funding to support efforts to update the SCIP by adding public safety wireless broadband strategic goals and initiatives? If so, provide the amount the State expects to request and describe the activities that these funds will support.

No SLIGP funding will be used for updating the SCIP. The SWIC is a Vermont State Police Lieutenant and Homeland Security Chief assigned to DEMHS. The SWIC is responsible for managing and updating the SCIP. The SWIC's salary and benefits are provided through state funding.

It is responsible for the SWIC to update the SCIP with all relevant public safety broadband initiatives. The SCIP is then approved by the respective SLIGPs.

The Vermont State Police Lieutenant is the statewide interoperability coordinator (SWIC). It is this person's responsibility for the development and writing of the statewide communications interoperability plan (SCIP). Therefore, changes that need to be made to the SCIP to conform to the development of a public safety broadband network will be made by the SWIC and will be done so utilizing existing resources.

3. State-level Involvement

- a. What is the status of the Statewide Interoperability Coordinator (SWIC) for your State? Does this person work full-time in the SWIC capacity? How will this person be involved with SLIGP?

Vermont does not have a full-time SWIC. Interoperable communications is the state's top Homeland Security priority. The majority of the SWICs time is committed to statewide interoperability communications projects and initiatives. The SWIC will be an appointed representative to the state's Commission and fully participate in the planning, programmatic and grant management efforts and assist with project oversight and support during the network build out.

- b. How will the State's Chief Information Officer/Chief Technology Officer be involved with SLIGP and with activities related to the implementation of the nationwide public safety broadband network?

CIO and Department of Information and Innovation - DII was created in 2003 and provides direction and oversight for all activities directly related to information technology within state government, including telecommunications services, information technology equipment, software, accessibility and networks in state government. DII's mission is to improve state government effectiveness and productivity, by providing expertise, standards and shared services for the state enterprise and supports agency and/or department-specific IT. The CIO, who is also the Commissioner of DII, has broad authority to meet the goals of the department as established by statute and policy.

The CIO will be an appointed representative on the Commission.

- c. What other State-level organizations or agencies will be involved with SLIGP?

In addition to DII, the following state-level organizations and agencies will be involved in SLIGP: Department of Public Safety (Vermont State Police, CJS and DEMHS), Vermont Telecommunications Authority, Vermont Department of Public Service, Department of Buildings and General Services, Agency of Commerce and Community Development and the Agency of Transportation.

- d. What are the specific staffing resources the State requires to effectively implement the consultation process with the First Responder Network Authority (FirstNet) and perform the requirements of SLIGP? If the application requests funding for additional staffing, provide the amount the State expects to request and describe the positions these funds will support.

Staffing support will be provided by the agencies identified in question 3(c). The state of Vermont's efforts will be led primarily by three state agencies working jointly to support the goal of a statewide public safety broadband network. At the direction of the Vermont Public Safety Broadband Network Commission members of the Vermont Department of Public Safety, Vermont Telecommunications Authority and Vermont Division of Information and Innovation will work collaboratively with other stakeholders for the effective implementation the consultation process with FirstNet and support all requirements of the SLIGP.

The state CIO, who is also the DII Commissioner, will be a member of the Vermont Public Safety Broadband Network Commission.

The Senior Project Planner for the Vermont Agency of Commerce and Community Development was selected by Governor Shumlin as the state's designated FirstNet point of contact. The FirstNet point of contact will be a member of the Vermont Public Safety Broadband Network Commission.

- e. How is the State engaging private industry and secondary users (e.g., utilities)?

Vermont's utilities have completed a statewide communications network supported by fiber. Discussions between the state and the utilities for the sharing of communications infrastructure and access to fiber networks have occurred. Further planning will take place to establish a partnership for future build out and resource sharing.

During preliminary planning meetings for the creation of the Commission, members determined that representation by Vermont utilities on the Commission was important to the SLIGP goals.

No additional engagement with private industry has occurred; however, NGO and secondary users will be appointed to the Commission and engaged as needed.

4. Coordination with Local Government Jurisdictions

- a. Describe the local government jurisdictional structure (e.g., municipalities, cities, counties, townships, parishes) located within the boundaries of the State, Commonwealth, Territory, or District applying for a grant. How many of these local jurisdictions exist within the State's boundaries?

Vermont has 251 towns and cities and 14 counties. There are no formal county governments within the state. The grant application process for the SLIGP will be done through DPS, the state agency aligned with the Commission.

- b. Describe how your State will involve these local jurisdictions to ensure there is adequate representation of their interests in the FirstNet consultation and in the planning and governance for SLIGP.

Governance will be accomplished through local first responders being appointed to the Commission. Additionally, outreach activities such as online survey tools, public meetings throughout the state and the creation of a website will assist the Commission with ensuring adequate local jurisdictional representation. Local first responder interests and their user needs will be fully represented in the FirstNet consultation process and planning for the SLIGP.

- c. Describe past methods the State has used to successfully coordinate state-wide projects or activities with local government jurisdictions.

As the VCOMM Lifeline project was chiefly funded through local DHS pass through grant funding, extensive outreach activities were conducted to include electronic and U.S. mailings, public meetings throughout the state, the hiring of a communications consultant to survey and assess needs, online surveys and the creation of a VCOMM website. VCOMM received overwhelming support resulting in the signing of MOUs allowing for a multi-year funding strategy to be developed for the planning, development and construction of the VCOMM Lifeline.

- d. What have been some of the State's primary challenges when engaging with local jurisdictions? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?

The primary challenge when engaging with local jurisdictions in Vermont is the building of consensus amongst the diverse interests of the multi-disciplinary first responder and stakeholder communities. The strategy for overcoming this challenge is information sharing and engagement through significant outreach efforts.

At this time there are no other methods besides survey tools, public meetings across the state, and the website that are planned for coordination purposes. Members of local emergency service providers are being appointed by the Governor to sit on Vermont's Public Safety Broadband Network Commission and they will be instrumental in helping to coordinate the best methods for communicating the needs of local first responders to the Commission.

5. Regional Coordination

- a. Does your State have intrastate regional committees that are involved with public safety communications? If so, please describe their organizational structure and membership and how they provide input to the SIGB.

The state does not have a regional committee involved with public safety communications.

- b. Describe any interstate regional bodies in which your State participates that are involved with public safety communications in the State.

The state has representation on the following interstate regional public safety communications bodies: FCC Region 19 Public Safety Communication Committee, FEMA Region 1 Regional Emergency Communications Coordination Working Group (RECCWG) and the Vermont SWIC serves as the Vice-Chair of the Region 1 Statewide Interoperability Coordinators Regional Interoperability Committee. A Northern Border Interoperability Coordination Sub-Committee is now being formed with the Vermont, New Hampshire and Maine SWICs, DHS Office of Emergency Communications Regional Coordinator and their Canadian Counterparts from the Provinces of Quebec and New Brunswick, Canada.

New England has a long tradition of support and cooperation. Through these regional interstate working groups New England member states along with the state of New York work collaboratively and cooperatively to support state and regional planning, training and exercise efforts involving interoperable communications. Personnel and resources are coordinated to support regional response needs during significant events and disasters, such as the responses to Tropical Storm Irene and Hurricane Sandy.

Vermont will share all plans, strategies, data and technical solutions regarding Public Safety Broadband with the other states in FEMA Region I as well as with New York. Region I's RECCWG and RIC will allow for a regional sharing platform for information exchange.

- c. How does the State plan to engage and leverage these existing regional coordination efforts in the nationwide public safety broadband network planning?

In order to ensure true interoperability and maximize efforts Vermont will work with regional partners and regional interstate public safety communications bodies to assist with planning and coordinate network access and infrastructure sharing in order to maximize the benefits of the nationwide network and cost effectiveness of efforts.

- d. Please identify, if applicable, any other state, territory, or regional entity with which the State collaborated or coordinated in the development and preparation of this application and describe the nature of that collaboration or coordination.

N/A

6. Tribal Nations

- a. How many federally recognized tribes are located within the State boundaries? (If the answer is zero, please skip to question #7.) Information on federally recognized tribes may be located at the Department of Interior, Bureau of Indian Affairs website: <http://www.bia.gov/WhoWeAre/BIA/OIS/TribalGovernmentServices/TribalDirectory/index.htm>

Zero. There are no federally recognized tribal governments in Vermont.

- b. Describe how the State will involve the tribal nations to ensure there is adequate representation of their interests in the FirstNet consultation and in the planning/governance for the grant program. Does the State have a process for consulting with the tribes located within State boundaries? If so, please provide a description of that process.

N/A

- c. Describe past methods the State has used to successfully coordinate with tribal nations.

N/A

- d. Are there tribal representatives who regularly attend your SIGB meetings? If so, please identify the tribes represented.

N/A

- e. What have been some of the State's primary challenges when engaging with tribal nations? What are some of the strategies that the State will employ to overcome these challenges during implementation of SLIGP?

N/A

7. Rural Coverage

- a. Please classify your local jurisdictions into rural and non-rural areas and identify the criteria used in making these rural and non-rural determinations.

Based upon the state's population in the 2010 U.S. Census Bureau information and federal definition the entire state of Vermont with the exception of the city of Burlington is defined/classified as rural.

- b. Please describe the coverage area and availability of broadband service and LTE technology in the rural areas of the State as defined in response to 7.a.

Governor Shumlin set an ambitious goal of achieving 100% broadband coverage for Vermont by the end of 2013. Fortunately, the state has made great strides over the past several years; about 95% of the state is either already covered or has a solution identified. Through partnerships among state agencies, our federal delegation and providers, we have been successful in obtaining funding to help achieve this goal. The Connect Vermont Chief (position currently vacant) had the responsibility to work with private sector companies and utilities to provide universal broadband and cellular access statewide. These efforts continue to be enhanced by those of the VTA.

- c. Please describe how the State plans to prioritize the grant activities to ensure coverage in, and participation by, rural areas. Please include specific plans, milestones, and metrics to demonstrate how you will achieve these requirements.

As the state would be classified as rural, with the exception of the city of Burlington, all planning efforts, grant activities and stakeholder participation will meet the goal of rural coverage and participation.

The Commission will be facilitating a series of informational meetings throughout the state along with other forms of outreach, to include an online survey to identify user needs and challenges, to inform and engage all stakeholders in the Public Safety Broadband planning process. Milestones to insure rural stakeholder participation and specific performance metrics will be formally established once the Commission is formed.

8. Existing Infrastructure

- a. What, if any, databases exist that collect data on government-owned wireless and/or communications infrastructure for the state, local, and/or tribal governments?

The VTA maintains data on broadband and cellular projects in the state. Data on federally funded non-VTA projects has also been shared with the VTA. State Broadband Data Development is currently underway and the Vermont Center for Geographic Information (VCGI) and the VTA are currently working to develop a system for broadband adoption survey analysis.

It should further be noted that the National Council of SWICs (NCSWIC) has requested that OEC develop a survey tool to assist the 56 states and territories with capturing wireless data along with existing communications infrastructure as well.

- b. If these databases exist, what is the process for updating them and how often do these updates occur?

The VTA manages and updates their data as needed. This includes meeting project milestones during network build outs.

9. Existing Government-Owned Networks

- a. Describe how you plan to identify any hardening, security, reliability, or resiliency requirements that are currently required for existing government-owned networks within the State, including those networks at the local and tribal governments.

DII provides direction and oversight for all activities directly related to information technology within state government, including telecommunications services, information technology equipment, software, accessibility and networks in state government. DII's mission is to improve state government effectiveness and productivity by providing expertise, standards and shared services for the state enterprise and supports agency and/or department-specific IT.

DII facilitates and independent review, part of which would include a risk assessment on all state technology projects as asked in the question to, “identify any hardening, security, reliability, or resiliency requirements.” This will occur as part of the planning and development of the state’s Public Safety Broadband Network and connectivity to any local or private networks.

The CIO, who is the Commissioner of DII, has broad authority to meet the goals of the department as established by statute and policy.

- b. Describe how you plan to identify any existing contractual requirements regarding hardening, security, reliability, or resiliency for commercial carriers providing wireless data services within the State, including those at the local and tribal governments.

As noted in question 9 (a), DII provides direction and oversight for all activities directly related to information technology within state government, including telecommunications services, information technology equipment, software, accessibility and networks in state government. DII’s mission is to improve state government effectiveness and productivity by providing expertise, standards and shared services for the state enterprise system and to support agency and/or department-specific IT.

DII facilitates an independent review, part of which would include a risk assessment on all state technology projects as asked in the question to, “identify any hardening, security, reliability, or resiliency requirements.” This will occur as part of the planning and development of the state’s Public Safety Broadband Network and connectivity to any local or private networks.

As DII will operate and maintain the state’s Public Safety Broadband Network, DII will work with local, state and NGO stakeholders in conjunction with DPS and other users to identify resiliency and hardening requirements and any contractual requirements needed to support Vermont’s efforts.

10. Network Users

- a. Describe how you plan to identify the potential users of the nationwide public safety broadband network within the State, including at the local and tribal governments.

Initially planning meetings were conducted during the fall of 2012 by a Public Safety Broadband Planning Committee chaired by the Connect Vermont Chief. Members identified the need for broad stakeholder representation, input and collaboration to maximize the benefits and enhancements to interoperable public safety communications available through the build out of a Public Safety Broadband Network. Due to Vermont’s limited emergency response resources and personnel all local, state, federal, NGO and military first responders and stakeholders will have access to Vermont’s network so long as they sign user agreements, adhere to all policies and procedures and have approved equipment and technologies to safely operate on the network.

In order to insure all potential users are engaged the Commission will use existing resources to assist with stakeholder engagement. The Vermont Department of Public Safety maintain contact information on all Vermont first response agencies, contact information for all local, state and

federal government agencies, National Guard, utilities and other identified stakeholder contact information.

Should it be determined at any time that reprioritization of network access or limitations are required due to policy breach, funding or capacity limitations, those decisions will be made by the Vermont Public Safety Broadband Network Commission.

11. Education and Outreach

- a. Describe how you plan to educate and train multi-discipline, public safety and other government users of the nationwide public safety broadband network at your State, local, and tribal levels.

Vermont recognizes the need for strong local representation and engagement. This will be accomplished through outreach and educational efforts similar to those conducted by VCOMM during the planning for the VCOMM Lifeline. VCOMM outreach efforts have been critical as the Lifeline was primarily funded through DHS local pass through funds. The building of consensus amongst diverse groups and the signing of MOUs were required to meet the challenge of funding the build out and now the sustaining of the Lifeline.

Efforts are ongoing through DEMHS, which represents the SAA, for statewide outreach for emergency management, homeland security and Tropical Storm Irene Recovery needs. DEMHS will provide planning, facilitation and support for Public Safety Broadband outreach activities. Outreach will be accomplished through electronic and U.S. mail, the creation of a website and a user needs survey tool. A series of meetings will be conducted throughout the state to provide information and collect feedback from local, state, federal and NGO stakeholders.

Education and training will be provided for all first responders and stakeholders. It will be multi-discipline and presented at regional meetings throughout the state. The Commission will utilize monthly meetings of the thirteen Local Emergency Planning Committees (LEPCs) throughout the state to accomplish this. Information provided will include an overview of FirstNet and Public Safety Broadband, Vermont's planning process, information on the Commission and its website, plus how to access survey tools.

12. Memorandum of Agreements

- a. Describe any specific obstacles, laws, and/or legal issues that will likely impede your ability to participate fully in the nationwide public safety broadband network or in SLIGP.

Vermont has not identified any special obstacles, laws and/or legal issues that would likely impede or prevent full participation in the nationwide public safety broadband network or SLIGP process.

13. Tools

- a. What are some of the software tools that the State has used and could apply to the planning and data collection activities associated with this program?

The VTA maintains data on broadband and cellular projects they are involved in. Data on federally funded non-VTA projects has also been shared with the VTA. State Broadband Data Development is currently underway. Vermont Center for Geographic Information (VCGI) and the VTA are working to develop a system for broadband adoption survey analysis.

- b. Is the State aware of additional tools that could be useful for implementing allowable grant activities?

The NCSWIC have requested that DHS Office of Emergency Communications develop a survey tool to assist the 56 states and territories with capturing this data. Through regional and national collaborative efforts and resource sharing the state will share and/or provide access to any tools or technologies developed to assist in the implementation of allowable grant activities.

14. Phase Two Funding

- a. Describe the activities that you expect to undertake with the Phase 2 funding when it is made available to the State, Territory, or District.

Although Vermont is only beginning the planning and information collection process at this time, phase two funding would be used for continued support of a Project Manager and to fund a contract for the network design, build out along with equipment and technology upgrades to existing identified infrastructures used to support the network and maximize new funding.

As a rural state and with limited funding available to support a nationwide effort Vermont will leverage public/private partnerships, shared and existing infrastructures in order to maximize project potential.

15. Other

- a. Please list any consultants, vendors, or other entity that assisted in the preparation of this application.

N/A

State and Local Implementation Grant Program (SLIGP) Vermont Project Feasibility Narrative

Project Feasibility

The Vermont Public Safety Broadband Network Commission (Commission) is being enacted through Executive Order and will be responsible for the overall planning, development and implementation of an interoperable wireless network to support the communications needs of first responders and public safety entities. The Commission will ensure the network meets the interoperability goals and specifications of the FirstNet nationwide public safety broadband network.

The Commission will be aligned with the Vermont Department of Public Safety (DPS) for programmatic and grants management support.

The Commission will have broad first responder and stakeholder representation to include local first responders, the VCOMM Chair, Vermont's Chief Information Officer (CIO), Vermont's Statewide Interoperability Coordinator (SWIC), DPS (Vermont State Police, Criminal Justice Services, and Division of Emergency Management and Homeland Security), Department of Information and Innovation (DII), Vermont Telecommunications Authority, Agency of Commerce and Economic Development, Department of Public Service, Department of Buildings and General Services, Agency of Transportation, state utilities, NGOs, Vermont National Guard and a non-voting representative from DHS Office of Emergency Communications.

Appointed Commission representatives and their respective agencies represent a broad knowledge and experience related to the planning, development, build out, management and operations of interoperable communications technologies, broadband and cellular networks and Long Term Evolution (LTE). Members have been involved in the development, construction and operations of multiple statewide interoperable communications networks.

The Department of Public Safety's Division of Criminal Justice Services (CJS) built and maintains a statewide land mobile radio system that provides operable and interoperable communications for all of Vermont's first responders and stakeholders. The system provides robust statewide UHF and VHF network coverage with fault tolerance measures built into the overall system to reduce the impact to communications due to any system failures. Backhaul is primarily provided through a statewide microwave system. Multiple tower sites are owned and leased by the state to provide robust communications coverage.

DPS further maintains four Public Safety Answer Points (PSAP) linked to four local PSAPs for dispatching and 911 services. Recently installed equipment and technology upgrades provide significant enhancements to include gateway technology allowing interoperable communications intrastate, interstate and internationally.

The mission of the Vermont Telecommunications Authority, established by the Vermont General Assembly and passed into law in June, 2007, is to ensure that all residences and business in all regions of the state have access to affordable broadband services. The focus of the VTA is on unserved and underserved areas and an overall long term goal of broadband and mobile phone infrastructure throughout the state. Current VTA projects include the Newport-to-Hardwick project, a multi-provider optic communications link covering 41 miles and using 984 poles, and the Orange County Fiber Connector, the construction of fiber optic cable along 36 miles of key routes in Orange County and a neighboring portion of northern Windsor County.

The Division of Information and Innovation was created in 2003 and provides direction and oversight for all activities directly related to information technology within state government, including telecommunications services, information technology equipment, software, accessibility and networks in state government. DII's mission is to improve state government effectiveness and productivity, by providing expertise, standards and shared services for the state enterprise and supports agency and/or department-specific IT. The CIO and Commissioner of DII has broad authority to meet the goals of the department as established by statute and policy.

The Vermont Public Safety Broadband Commission will be responsible for the planning, development and implementation of Vermont's statewide interoperable wireless network to support the needs of first responders and stakeholders. The Commission will include broad local, state, federal and NGO representation. Vermont has no recognized federal Tribal Governments. Staffing to support this program will primarily come from the Vermont Department of Public Safety, Vermont Telecommunications Authority and Department of Information and Innovation. Existing and new partnerships will provide additional staff, resources and shared infrastructure with local and federal organizations and NGOs.

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 06/30/2014

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. State and Local Implementation Grant Program	11.549	\$ 710,941.00	\$ 177,735.00	\$ 710,941.00	\$ 177,735.00	\$ 888,676.00
2.						
3.						
4.						
5. Totals		\$ 710,941.00	\$ 177,735.00	\$ 710,941.00	\$ 177,735.00	\$ 888,676.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	State and Local Implementation Grant Program				
a. Personnel	\$ 10,242.00	\$ 129,918.00	\$	\$	\$ 140,160.00
b. Fringe Benefits	4,404.00	47,817.00			52,221.00
c. Travel	7,500.00	0.00			7,500.00
d. Equipment	0.00	0.00			
e. Supplies	7,509.00	0.00			7,509.00
f. Contractual	503,551.00	0.00			503,551.00
g. Construction	0.00	0.00			
h. Other	0.00	0.00			
i. Total Direct Charges (sum of 6a-6h)	533,206.00	177,735.00			\$ 710,941.00
j. Indirect Charges	177,735.00	0.00			\$ 177,735.00
k. TOTALS (sum of 6i and 6j)	\$ 710,941.00	\$ 177,735.00	\$	\$	\$ 888,676.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. State and Local Implementation Grant Program	\$ 177,735.00	\$	\$	\$ 177,735.00	
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)	\$ 177,735.00	\$	\$	\$ 177,735.00	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$
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.	\$	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)	\$	\$	\$	\$	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: 710,941.00		22. Indirect Charges: 177,735.00			
23. Remarks: Revised 6/17/13					

**Vermont Public Safety Broadband
Budget Narrative
Revised 6/14/13**

A. Personnel

The Vermont Public Safety Broadband Network Commission (Commission) will be aligned with the Vermont Department of Public Safety (DPS) for financial and programmatic support.

In-kind salary and salary for the following positions at the Vermont Department of Public Safety:

Director, Criminal Justice Services \$60,328 (In-kind salary, Match) – Mr. Francis Aumand is the Director of Vermont Criminal Justice Services and will chair the Commission. Mr. Aumand along with DPS Communications Manager Terry Lavallee will be responsible for overall management of the network once completed and therefore will be involved in the planning, education, coordination with Vermont stakeholders and outreach process.

Lieutenant, Vermont State Police \$35,280 (In-kind salary, Match) – Lieutenant Michael Manning, Vermont's SWIC and Homeland Security Chief will provide programmatic monitoring of SLIGP activities, engage in the planning, education and outreach in addition to coordinating all grant applications and contracting. LT Manning will also coordinate all SCIP updates.

Communications Manager, Criminal Justice Services \$34,310 (In-kind salary, Match) – DPS Communications Manager Terry Lavallee will be responsible for overall management of the network once completed and therefore will be involved in the planning, education, coordination with Vermont stakeholders and outreach process.

Grant Management Specialist \$10,242 (Salary) - Sara Small is a member of the DPS Administration and Finance Division and will be responsible for the grant's management, processing all invoices, the SLIGP budget and for submission of progress reports.

B. Fringe Benefits

The in-kind fringe benefits include the State's share of FICA, Retirement, Health Insurance, Life Insurance, Dental Insurance and Employee Assistance Program (EAP). Each rate (%) is calculated to include the varying level of insurance plans that the individual employee has selected.

Director, Criminal Justice Services 32% of in-kind salary (match) = \$19,305

Lieutenant, Vermont State Police 39% of in-kind salary (match) = \$13,759

Communications Manager, Criminal Justice Services 43% of in-kind salary (match) = \$14,753

Grant Management Specialist, Grants Management Unit 43% of salary = \$4,404

C. Travel

We will be sending up to ten people to the upcoming FirstNet conference in Boston which will be held June 19th & 20th 2013 (this is a pre-award cost). We will also need mileage reimbursement for travel throughout the state in order to outreach to Public Safety providers. We anticipate that we will need \$7500.00 for travel expenses.

D. Equipment

N/A

E. Supplies

We expect that supplies will be needed to help support the activities of Vermont's program to include the governance structure and public safety providers education and outreach. Office supplies and brochures will be needed. The intended audience for education and outreach will include police, fire and emergency medical services providers. It is difficult to identify the actual types of outreach materials that will be needed. However, we will need a budget to produce the necessary printed material when education is needed surrounding the build out of the new system.

We anticipate that we will need \$7,509 for office supplies and education and outreach material.

F. Construction

N/A

G. Contracts/Consultants

We will be seeking a competitive RFP for a Project Management firm to help the newly formed Vermont Public Safety Broadband Network Commission to do the following;

- (1) to expand our existing governance structures, helping Vermont to enact a functional form of governance;
- (2) to develop procedures to ensure local and tribal representation and participation in the consultation process with FirstNet;
- (3) create a process for education and outreach, through program development or through other efforts, among local and tribal officials, public safety users, and other stakeholders about the nationwide public safety broadband network;
- (4) identify potential public safety users of the public safety broadband network;
- (5) develop a standard Memorandum of Agreement (MOA) to facilitate the use of existing infrastructure with private sector entities that have been chosen by FirstNet to build, operate, and maintain the network on public safety infrastructure, or identified the legal barriers to creating a standard MOA and describe potential remedies;

(6) develop staffing plans that include local and tribal representation to participate in the public safety governance structure and to prepare for data collection activities in consultation with FirstNet; and

(7) prepare a comprehensive plan as part of their existing Statewide Communications Interoperability Plan (SCIP),

We estimate the contract to be \$503,551.

H. Other

I. Indirect

The Department of Public Safety is using the State of Vermont Department of Public Safety's federally approved Negotiated Indirect Cost Rate Agreement (NICRA) as the base for indirect costs. DPS's approved indirect rate is 27.30% however; for this grant we are only applying a rate of 25%. The total federal share of \$710,941.00 is the base for which the rate has been applied.

Note: The Department of Public Safety understands that one half of these federal funds will be held in reserve until Phase 2 begins.

A. Personnel - List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities

B. Fringe Benefits - Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed in budget category (A) and only for the percentage of time devoted to the

C. Travel - Itemize travel expenses of project personnel by purpose (e.g., staff to training, field interviews, advisory group meeting, etc.). Show the basis of computation (e.g., six people to 3-).

D. Equipment - List non-expendable items that are to be purchased. Non-expendable equipment is tangible property having a useful life of more than two years and an acquisition cost of \$5,000 or more per unit. (Note:

E. Supplies - List items by type (office supplies, postage, training materials, copying paper, and expendable equipment items costing less than \$5,000, such as books, hand held tape recorders) and show the basis for

TOTAL SUPPLIES:	\$7,509	\$7,509	\$0
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F. Construction - As a rule, construction costs are not allowable. In some cases, minor repairs or renovations may be allowable. Check with the program office before budgeting funds in this category.

G. Consultants/Contracts - Indicate whether applicant's formal, written Procurement Policy or the Federal Acquisition Regulations are followed

Consultant Fees: For each consultant enter the name, if known, service to be provided, hourly or daily fee (8-hour day), and the estimated time on the project. Consultant fees in excess of \$450 per day

Consultant Expenses: List all expenses to be paid from the grant to the individual consultants in addition to their fees (i.e., travel, meals, lodging, etc.)

Contracts: Provide a description of the product or service to be procured by contract and an estimate of the cost. Applicants are encouraged to promote free and open competition in awarding contracts. A separate

H. Other Costs • List items (e.g., rent, reproduction, telephone, janitorial or security services, and investigative or confidential funds) by major type and the basis of the computation. For example, provide the square footage

I. Indirect Costs - Indirect costs are allowed only if the applicant has a Federally approved indirect cost rate. A copy of the rate approval (a fully executed, negotiated agreement), must be attached. If the applicant does not

1. Indirect Costs25%of\$710,941.00\$177,735

TOTAL
OTHER:

\$0

\$0

\$0

TOTAL INDIRECT:

\$177,735

\$177,735

\$0

TOTAL PROJECT COST:

\$888,676

\$710,941

\$177,735

Budget Summary

Budget Category	Amount
A. Personnel	\$140,160
B. Fringe Benefits	\$52,221
C. Travel	\$7,500
D. Equipment	\$0
E. Supplies	\$7,509
F. Construction	\$0
G. Consultants/Contracts	\$503,551
H. Other	\$0
Total Direct Costs	\$710,941
I. Indirect Costs	\$177,735
TOTAL PROJECT COSTS	\$888,676
Federal Share	\$710,941
Non-Federal Share	\$177,735
	\$888,676

\$140,160

\$52,221

\$192,381

\$7,500

\$0

\$7,509

\$0

\$0

\$0

\$503,551

\$0

\$177,735

\$888,676

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>Tracy O'Connell</p>	<p>* TITLE</p> <p>Commissioner</p>
<p>* APPLICANT ORGANIZATION</p> <p>Vermont Department of Public Safety</p>	<p>* DATE SUBMITTED</p> <p>03/19/2013</p>

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CERTIFICATION REGARDING LOBBYING

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**

Vermont Department of Public Safety

*** AWARD NUMBER**

2013-NTIA-SLIGP-01

*** PROJECT NAME**

State and Local Implementation Grant Program
(SLIGP)

Prefix:*** First Name:**

Keith

Middle Name:

W.

*** Last Name:**

Flynn

Suffix:

*** Title:** Commissioner

*** SIGNATURE:**

Tracy O'Connell

*** DATE:**

03/19/2013

PETER SHUMLIN
Governor



State of Vermont
OFFICE OF THE GOVERNOR

March 15, 2013

To whom it may concern,

In compliance with The Middle Class Tax Relief and Job Creation Act of 2012 (Act) the State of Vermont designates the Vermont Department of Public Safety Commissioner Keith Flynn or his designee, as the State officer to serve as the coordinator of implementing the State and Local Implementation Grant Program (SLIGP).

It is our understanding that the National Telecommunications and Information Administration (NTIA) requires the applicants for grant funds to provide a letter of State Designation. The State of Vermont is very interested in seeking funding to collaborate with regional, tribal and local jurisdictions to perform activities related to planning for the establishment of a national public safety broadband network.

This letter will serve as notice of Vermont's designation. Please direct future correspondence through the Vermont Department of Public Safety.

Sincerely,

A handwritten signature in black ink, appearing to be "Peter Shumlin", with a long horizontal line extending to the right.

Peter Shumlin
Governor