



New Hampshire (NH)

PSIC Federal Award: \$5,966,760

(Awarded September 30, 2007)

Summary

PSIC Investment Justification	Federal Funds
Fixed Asset Redundancy—Strategic Technology Reserve (STR)	\$515,000
Statewide Coordination of Frequencies Standardization	\$1,500,000
Training	\$1,000,000
Backbone Infrastructure Redundancy	\$2,801,760
Gateways—Fixed	\$150,000
Management and Administration (M&A)	-
Statewide Planning	-
Total PSIC Award	\$5,966,760

Pass Through: The State of New Hampshire entered into Memoranda of Understanding with local public safety agencies. The agreements authorize the State to expend PSIC grant funding on behalf of these jurisdictions.

Strategic Technology Reserve (STR): New Hampshire received a partial STR waiver after demonstrating that it has implemented an STR and has a higher priority communications need – the build-out of the existing statewide system. The State of New Hampshire will use a portion of the PSIC STR set aside in the amount of \$12,117 to further enhance its existing STR.

Investments

Fixed Asset Redundancy—Strategic Technology Reserve (STR)

Federal Amount:	\$ 515,000
Non-Federal Match Amount:	\$ 158,000
Total Project Cost:	\$ 673,000



98%* Acquisition & Deployment	2% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

The State often experiences severe weather (e.g., flooding, ice, and/or high wind storms) during the fall and winter seasons that often lead to disruptions in radio communications. Complete failure of the existing system would lead to a statewide loss of interoperable communications capabilities. New Hampshire has invested in and maintains two major interoperable communications vehicles, a number of mobile gateways, and several radio caches. Only \$12,117 of this Investment will be used to further enhance the STR with deployable cache technology and to develop standard operating procedures for the current solution. The other portion of the Investment will be used for the purchase of fixed assets to supplement the current backbone infrastructure. With these fixed assets (i.e., critical radio links, microwave point-to-point paths, and emergency transmitters), the State has components for rapid replacement of the backbone and has built in redundancy into the systems to re-establishing communications in the event of system failure. With the partial waiver and current STR enhancements, this Investment satisfies the PSIC requirement to develop and implement an STR that is pre-positioned, deployable, and able to re-establish communications when critical communications equipment is damaged or destroyed.

Statewide Coordination of Frequencies Standardization

Federal Amount:	\$ 1,500,000
Non-Federal Match Amount:	\$ 300,000
Total Project Cost:	\$ 1,800,000



100%* Acquisition & Deployment	0% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

Currently New Hampshire's law enforcement, fire, and emergency medical services (EMS) agencies do not have the same frequencies installed on their radios. This Investment will reprogram all radios with a standard code plug, one each for law enforcement, fire, and EMS. The standardized frequencies will establish statewide interoperability with State and locals units, and with any agencies from outside the State that provide assistance. This Investment will result in standardized channels for each discipline, set-aside local channels, and enhanced interoperability between the Incident Management Center in Concord and dispatch centers across the State.

Training



Federal Amount:	\$ 1,000,000
Non-Federal Match Amount:	\$ 0
Total Project Cost:	\$ 1,000,000

0%* Acquisition & Deployment	100% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

The State does not currently have an interoperability training plan for public safety personnel and technicians. This Investment will fund development of a detailed plan for designing and implementing training and exercise programs and will focus on communications and interoperability and equipment training. The State will ensure a unified curriculum and the dissemination of available resources to all first responders. The Investment will also provide for the resources for program maintenance. Through this Investment, the State will establish an Interoperability Coordinator and create a review process for training programs.

Backbone Infrastructure Redundancy



Federal Amount:	\$ 2,801,760
Non-Federal Match Amount:	\$ 1,179,000
Total Project Cost:	\$ 3,980,760

96%* Acquisition & Deployment	4% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

The State of New Hampshire encounters gaps in its communications coverage due to the State's challenging terrain. The State proposes to procure and deploy infrastructure assets consisting of advanced technology microwave interconnect equipment, which will add supplementary interconnect links and flexibility to the backbone infrastructure. The backbone infrastructure allows the State of New Hampshire to provide a common platform for a VHF interoperability network for multiple first responder agencies, and the expansion of it will fill gaps in the infrastructure interconnect system. Overall, this Investment increases the reliability and availability of an existing statewide interoperability backbone infrastructure.

Gateways—Fixed



Federal Amount:	\$ 150,000
Non-Federal Match Amount:	\$ 30,000
Total Project Cost:	\$ 180,000

100%* Acquisition & Deployment	0% Training & Exercise	0% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

Currently, agencies cannot communicate with units outside the State's two metropolitan areas, which operate on the 800 megahertz (MHz) band. This Investment will establish fixed gateways that will allow units operating on VHF frequencies to directly access trunked talk groups within the two 800 MHz systems. VHF base stations would be installed at the 800 MHz trunking sites and be integrated with the system controllers to allow for a direct interface. This will allow agencies outside of the State's two metropolitan areas to communicate with units inside those areas. This Investment will enable interoperability between multi-disciplinary public safety agencies within and outside the metropolitan areas.

PSIC Administration and Statewide Planning Costs

Management and Administration (M&A)

Federal Amount:	\$ 0
Non-Federal Match Amount:	\$ 0
Total Project Cost:	\$ 0

The State was allowed to retain up to three percent of the total PSIC award for costs associated with the administration of the State's PSIC Investments. The M&A costs could include hiring full-time or part-time staff or contractors for grant management services related to reporting, monitoring and audit compliance, and associated travel and meeting expenses. New Hampshire, however, chose not to allocate its PSIC funds in this manner.

Statewide Planning

Federal Amount	\$ 0
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The State was allowed to retain up to five percent of the total PSIC award for Statewide Planning costs associated with the incorporation of the PSIC criteria into the Statewide Communication Interoperability Plan (SCIP). The Statewide Planning period of performance was April 1, 2007–December 3, 2007, with the submission of the SCIP. New Hampshire, however, chose not to allocate its PSIC funds in this manner.