



# New York (NY)

**PSIC Federal Award: \$60,734,783**

(Awarded September 30, 2007)

## Summary

PSIC Investment Justification	Federal Funds
New York State Strategic Technology Reserve (STR)	\$4,703,820
Region 1: Monroe, Wayne, and Seneca Counties	\$5,377,959
Region 2: City of Watertown and Tompkins and Rockland Counties	\$1,569,600
Region 3: Orange and Ontario Counties	\$1,821,060
Region 4: Erie County	\$1,612,439
Region 5: Otsego and Allegany Counties	\$2,035,916
Metropolitan Transit Authority (MTA)/New York City Transit Authority (NYCTA) Interoperable Radio Network	\$26,312,602
Port Authority Trans Hudson (PATH) Interoperability System	\$1,000,000
New York City Urban Area Regional Internet Protocol (IP) Gateway and Radio Cache	\$7,500,000
Technical Interoperability Project (TIP)	\$6,913,800
Management and Administration (M&A)	\$1,475,587
Statewide Planning	\$412,000
<b>Total PSIC Award</b>	<b>\$60,734,783</b>

**Pass Through:** The State of New York fulfilled the PSIC Grant Program's requirement by passing through a minimum of 80 percent of the total award amount to local or tribal government bodies or authorized nongovernmental public safety agencies.

**Strategic Technology Reserve (STR):** New York allocated \$4,703,820 to its STR Investment.

## Investments

### New York State Strategic Technology Reserve (STR)

Federal Amount:	\$ 4,703,820
Non-Federal Match Amount:	\$ 1,150,955
<b>Total Project Cost:</b>	<b>\$ 5,854,775</b>



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

A critical communications failure would severely limit the ability of the State to quickly and effectively respond to an incident. This Investment will establish a statewide Strategic Technology Reserve (STR) by purchasing six communications vehicles equipped with interoperable communications equipment [(i.e., cache of radios, portable tower, generator, satellite solution, cellular phone, and Voice over Internet Protocol (IP)] that will be pre-positioned in the State Emergency Management Office geographic regions. In addition, the Investment will improve interoperability by allowing the vehicles to provide mobile interoperable communications in remote areas. This Investment satisfies the program requirement to develop and implement an STR that is pre-positioned, deployable, and able to reestablish communications when critical communications equipment is damaged or destroyed.

### Region 1: Monroe, Wayne, and Seneca Counties

Federal Amount:	\$ 5,377,959
Non-Federal Match Amount:	\$ 1,344,489
<b>Total Project Cost:</b>	<b>\$ 6,722,448</b>



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

Six Western New York State counties of Genesee, Livingston, Monroe, Ontario, Orleans, and Wayne operate on different frequencies and use different technologies. This Investment will fund a major regional enhancement by using designated national calling, tactical channels and National Public Safety Planning Advisory Committee (NPSPAC) channels to interoperate. Each county will install and incorporate appropriate equipment to facilitate voice communications on identified frequencies into their infrastructure and 911 Centers, along with adding portable radios configured for each county to facilitate patching and interoperable capabilities with other agencies. This Investment will provide interoperability for 49 emergency response agencies in the region.

## Region 2: City of Watertown and Tompkins and Rockland Counties

Federal Amount:	\$ 1,569,600
Non-Federal Match Amount:	\$ 392,400
<b>Total Project Cost:</b>	<b>\$ 1,962,000</b>



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

Presently, first responders lack rapid system capability to communicate with regional and statewide systems and other discipline operating on a variety of VHF, UHF, and 800 MHz. This Investment addresses these interoperable communications challenges in Tompkins and Rockland Counties. The Tompkins County Department of Emergency Response will acquire, install, and implement a radio gateway unit that will bridge trunked and conventional radio frequencies to establish communications interoperability between multiple jurisdictions and disciplines. In Jefferson County, first responders will analyze current communications deficiencies and implement the development of a detailed plan to address those deficiencies by acquiring technologically advanced hardware and software that will improve efficiency in the VHF spectrum. The system will address first responder communications needs and provide the ability to communicate in real-time.

## Region 3: Orange and Ontario Counties

Federal Amount:	\$ 1,821,060
Non-Federal Match Amount:	\$ 427,515
<b>Total Project Cost:</b>	<b>\$ 2,248,575</b>



<b>87%*</b> Acquisition & Deployment	<b>2%</b> Training & Exercise	<b>11%</b> Planning & Coordination
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*\*Percentages include both Federal and non-Federal Match funds.*

This Investment seeks to address the numerous gaps that hamper interoperable communications in Orange and Ontario Counties. These gaps result from such factors as topography, spectrum constraints, severe weather conditions, and the use of multiple frequency bands. In Orange County, this Investment will fund the installation of a communications tower, antenna, and base stations. The focus in Ontario County will be the interface with the Statewide Wireless Network (SWN) through IP-based gateways. This Investment will facilitate partnerships between multiple jurisdictions and disciplines to improve public safety communications throughout these two counties that are experiencing similar problems. In addition, this Investment will acquire and deploy communications equipment, as well as retain consultant services to assist with system planning, coordination, and training.

## Region 4: Erie County

Federal Amount:	\$ 1,612,439
Non-Federal Match Amount:	\$ 403,110
<b>Total Project Cost:</b>	<b>\$ 2,015,549</b>



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

This Investment seeks to address interoperability challenges in Erie County, including lack of coverage and multiple frequency bands. Volunteer fire service in southern Erie County operates on a low band radio system that is more than 50 years old and lacks adequate coverage. The Erie County Sheriff's Office's radio system is more than 30 years old and also has limited coverage. Law enforcement agencies in the county use a mix of UHF and VHF systems, and there is a lack of dedicated public safety radio spectrum and interoperability channels. Currently, most agencies rely on gateways, radio swapping, and message relaying through dispatchers. This Investment installs a Project 25 (P25) communication system that will allow interoperability between first responders and eventually connect into the SWN. The Investment will result in enhanced communications capabilities among 53 agencies and will allow for multi-jurisdictional and multiagency responses. The geographic area covered by this Investment includes the Buffalo Area Urban Area Security Initiative (UASI).

## Region 5: Otsego and Allegany Counties

Federal Amount:	\$ 2,035,916
Non-Federal Match Amount:	\$ 506,979
<b>Total Project Cost:</b>	<b>\$ 2,542,895</b>



<b>99%*</b> Acquisition & Deployment	<b>&lt;1%</b> Training & Exercise	<b>0%</b> Planning & Coordination
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*\*Percentages include both Federal and non-Federal Match funds.*

Otsego County currently operates on outdated emergency services telecommunications system shelters. This Investment will provide for the upgrade and replacement of these shelters with reliable mission critical infrastructure and the system's microwave backbone with interoperable broadcast technology. Currently, Allegany County has limited interoperability coordination among its multiple fire, ambulance, emergency medical services, and police agencies, as well as between its Office of Emergency Services and Law Enforcement Response Team. Moreover, the county's communications system is fragmented into four main divisions that cannot consistently communicate with one another. Allegany County's voice and data communication system will begin with the build-out of the current IP microwave wireless local area network (WLAN). The resulting network will provide IP connectivity between all central and remote tower sites. This Investment will provide for seamless communications across all public safety frequency bands in each county.

**Metropolitan Transit Authority (MTA)/New York City Transit Authority (NYCTA)  
Interoperable Radio Network**

Federal Amount:	\$ 26,312,602
Non-Federal Match Amount:	\$ 5,734,401
<b>Total Project Cost:</b>	<b>\$ 32,047,003</b>

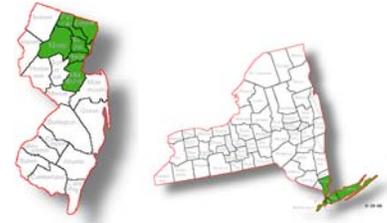


<b>89%*</b> Acquisition & Deployment	<b>0%</b> Training & Exercise	<b>11%</b> Planning & Coordination
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*\*Percentages include both Federal and non-Federal Match funds.*

Currently, the Transit Bureau of the New York City Police Department (NYPD) is the only first responder agency that maintains permanent VHF communications capabilities at the subterranean level in all New York City UASI jurisdictions. All other first responder agencies, including non-transit police, must swap radios or depend on shared simplex channels for interoperable, subterranean emergency communications. This Investment will provide law enforcement, fire services, and Federal and State incident response personnel with a shared UHF communications system to communicate at the subterranean level. This Investment builds upon core infrastructure and will enable the Transit Bureau of the NYPD to communicate with other first responders. An MOU will be drafted between NYC and MTA to guide agreements on how agencies will work together. Stakeholders will include the NYPD, FDNY, Mayor's Office, DoITT, NYC Law Department, OMB, and MTA. The geographic area covered by this Investment includes the New York City Area Super Urban Area Security Initiative (SUASI), as well as the Jersey City/Newark Area SUASI.

## Port Authority Trans Hudson (PATH) Interoperability System



Federal Amount:	\$ 1,000,000
Non-Federal Match Amount:	\$ 200,000
<b>Total Project Cost:</b>	<b>\$ 1,200,000</b>

<b>84%*</b> Acquisition & Deployment	<b>8%</b> Training & Exercise	<b>8%</b> Planning & Coordination
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*\*Percentages include both Federal and non-Federal Match funds.*

Currently, the Port Authority Police is the only first responder agency that maintains permanent communications capabilities at the subterranean level within the Port Authority Trans Hudson (PATH) Railroad system. For any type of emergency response, first responder agencies must “buddy up” with a Port Authority Police officer equipped with VHF radio. For any incident that is mid-tunnel under the Hudson River, New York City and New Jersey responders have no way to communicate with one another at the subterranean level or with the Port Authority Police Department. This Investment seeks to supply the Port Authority Police, NYPD, the Fire Department of New York (FDNY), and other first responder agencies throughout the New York City and New Jersey Urban Area with a shared system for interoperable communications and builds upon the existing Port Authority 800 megahertz (MHz) system. The Port Authority Office of Emergency Management will have the lead in coordinating the updating of emergency plans. The plans will include the new communications capability and conducting exercises and training evolutions with first responder agencies in New York City and New Jersey. The geographic area covered by this Investment includes the New York City SUASI and the Jersey City/Newark Area SUASI.

## New York City Urban Area Regional Internet Protocol (IP) Gateway and Radio Cache



Federal Amount:	\$ 7,500,000
Non-Federal Match Amount:	\$ 1,875,000
<b>Total Project Cost:</b>	<b>\$ 9,375,000</b>

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

The City of New York currently operates on legacy communications systems with disparate frequency bands. This Investment will build a regional IP gateway to integrate legacy systems and deploy a radio cache, resulting in increased interoperability among first responders. The geographic area covered by this Investment includes the New York City Area SUASI and the Jersey City/Newark Area SUASI.

## Technical Interoperability Project (TIP)

Federal Amount:	\$ 6,913,800
Non-Federal Match Amount:	\$ 1,860,072
<b>Total Project Cost:</b>	<b>\$ 8,773,872</b>



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

This Investment seeks to achieve cross-band interoperable communications because the State's disparate communications systems pose a significant threat to effective interoperable communications in case of a major disaster. This Investment will implement a training and exercise program to equip users with the required knowledge, skills, tools, and techniques to communicate effectively across disparate systems and jurisdictions. Furthermore, the State will acquire and deploy a variety of equipment, including land mobile radio (LMR) interoperable communications gateways and a cache of portable LMR radios. The gateways will deliver intraregional, interoperable voice and data communications, and provide connectivity to the SWN. The portable radios will be P25-compliant, support dual band operations in the 700 and 800 MHz bands, and be equipped with batteries capable of sustaining continuous operation for at least 10 hours without recharging.

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## PSIC Administration and Statewide Planning Costs

### Management and Administration (M&A)

Federal Amount:	\$ 1,475,587
Non-Federal Match Amount:	\$ 368,897
<b>Total Project Cost:</b>	<b>\$ 1,844,484</b>

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.

### Statewide Planning

Federal Amount	\$412,000
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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.

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