



Arizona (AZ)

PSIC Federal Award: \$17,713,050

(Awarded September 30, 2007)

Summary

PSIC Investment Justification	Federal Funds
Augmenting Strategic Technology Reserve (STR)	\$1,371,850
Update Statewide Microwave	\$2,258,000
Enhancing Regional 700/800 Megahertz (MHz) Systems	\$13,226,809
Management and Administration (M&A)	\$531,391
Statewide Planning	\$325,000
Total PSIC Award	\$17,713,050

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

Strategic Technology Reserve (STR): Arizona allocated \$1,371,850 to its STR Investment.

Investments

Augmenting Strategic Technology Reserve (STR)

Federal Amount:	\$ 1,371,850
Non-Federal Match Amount:	\$ 342,963
Total Project Cost:	\$ 1,714,813



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

The Arizona Chief Executive, key officers, and Cabinet members do not have a reliable communications system to use amongst themselves and with State-level response agencies in times of emergency. While the Arizona Department of Emergency Management and Military Affairs (AZDEMA) maintains several mobile communications vehicles and one fully equipped command center, these assets do not provide all the equipment necessary to support a large-scale, multi-jurisdictional incident. This Investment will augment the existing STR with the purchase of additional portable telecommunications capabilities, including telephone service, radio caches, and equipment that enables local and wide-area networking capabilities. This equipment will be pre-positioned throughout the State, will support emergency operations, and will provide interoperable communications for State officers and response agencies in the event of system failure. This Investment satisfies the PSIC Program requirement to develop and implement an STR that is pre-positioned, deployable, and able to re-establish communications when critical infrastructure is damaged or destroyed.

Update Statewide Microwave Backbone

Federal Amount:	\$ 2,258,000
Non-Federal Match Amount:	\$ 564,500
Total Project Cost:	\$ 2,822,500



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

The Arizona microwave system is an analog backbone system which no longer meets the needs of public safety agencies. Much of the equipment supporting the analog system is old and in need of replacement. There is a need for digital high capacity links for agencies wanting to participate in the statewide radio system. This Investment will upgrade multiple links of the statewide microwave system from analog to digital technology. The scope of the Investment will include the upgrade and replacement of radio equipment and ancillary support structures (e.g., one mobile command center vehicle, four mobile communications vehicles, and an 800 MHz radio cache), and the creation of new sites. The Investment will serve the Cities of Flagstaff, Yuma, and Nogales, and the Counties of La Paz and Gila, and will support interoperability and the exchange of voice and data between public safety agencies within those regions and across the State.

Enhancing Regional 700/800 MHz Systems



Federal Amount:	\$ 13,226,809
Non-Federal Match Amount:	\$ 9,862,453
Total Project Cost:	\$ 23,089,262

95%* Acquisition & Deployment	0% Training & Exercise	5% Planning & Coordination
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**Percentages include both Federal and non-Federal Match funds.*

Arizona public safety agencies and nongovernmental agencies (NGO) use a variety of radio frequencies and technologies, which impedes interoperability. Several metropolitan areas of the State have migrated to 700/800 MHz systems, but most agencies use VHF and UHF conventional radio systems that are not interconnected. Arizona is implementing a statewide system that will be interconnected to the regional systems. Through four sub-projects, this Investment will implement a statewide system by connecting various regional systems.

- (1) The State will interconnect two regional systems using State microwave sites, and purchase mobile and portable radios for State agencies using the interconnected systems. This Investment will enable interoperability between State agencies and across multiple jurisdictions
- (2) The Phoenix-Mesa system (PRWN) project will install ten single channel Project 25 (P25) base stations on six high altitude peaks, increasing radio capacity, coverage, and redundancy for public safety agencies that use the system.
- (3) The Yuma Regional Communications System (YRCS) project will purchase mobile, portable, and control station radios for small communities to bring their public safety agencies and dispatch centers onto the regional system, which enables greater interoperability between local and regional response agencies.
- (4) The Pima County Wireless Network (PCWIN) project supports the build-out of the County's wireless regional system infrastructure.

The projects in this Investment move the State toward a fully interoperable statewide system by connecting various regional systems. This Investment improves interoperability across the State, connects disparate systems, increases coverage and capacity for users, brings smaller communities onto the statewide network, and builds out a regional infrastructure that will advance the goal of greater interoperability statewide.

PSIC Administration and Statewide Planning Costs

Management and Administration (M&A)

Federal Amount:	\$ 531,391
Non-Federal Match Amount:	\$ 132,848
Total Project Cost:	\$ 664,239

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	\$325,000
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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.
