



Nevada Shared Radio System (NSRS) System Purchase Agreement

September 25, 2018





NSRS System Purchase Agreement

- System Purchase Agreement (SPA) between the Communications Systems Segment of Harris Corporation and Washoe County.
 - To purchase, design and build an 800 MHz, Project 25, Public Safety Radio System.
 - Including:
 - Radio system infrastructure and services
 - Radio Site Development
 - End-User radio equipment





NSRS Background

Statewide and Regional Partners:

- 19 agencies/organizations utilize the Washoe County Regional Communications System (WCRCS).
- Interlocal agreement governs the operations and administration of current system – in place since 1999.
- WCRCS is tied into the current Nevada Share Radio System.

Agency	Radio Count (FY17)
Nevada Shared Radio System	1580
Washoe County	1204
Reno, City of	1011
Washoe County School District	789
Sparks, City of	410
Truckee Meadows Fire Protection District	294
Reno-Tahoe Airport Authority	263
University of Nevada, Reno	86
North Lake Tahoe Fire Protection District	83
Pyramid Lake Paiute Tribe	72
Reno-Sparks Indian Colony	59
Truckee Meadows Water Authority	47
Nevada Air National Guard	27
Drug Enforcement Administration	23
Federal Bureau of Investigations	22
REMSA	17
US Department of Veterans Affairs Police	5
Incline Village General Improvement District	3
Carson City Fire Department	2
Total	5995





NSRS Background

Three Partners:

- NDOT, NV Energy and Washoe County
 - Public, Private Partnership
- Washoe County's SPA is one of three that will build a Statewide, interoperable radio system.

Catalyst:

- Current radio system is at "End-of- Life"
- Manufacturer announced end-of-life in 2017

Decisions:

- Establish process to replace the existing radio system
- NSRS Contract (Partnership Agreement) executed May 2017





NSRS Vendor Selection

- RFP Released in May, 2017
- NDOT administered the selection process
- NSRS members made up the evaluation teams
 - Technical and cost proposals were evaluated separately by separate teams.
- **Technical Review:**
 - Scope of Work
 - Project plan and schedule
 - Migration Plan
 - Qualification and Experience
- **Cost Review**
- Selection was based on combined scores
- Harris Communications was selected





NSRS Vendor Negotiations

- Together, infrastructure owners developed system design
 - Goal: Ensure regional and statewide needs are met
- Washoe County/Harris negotiations included:
 - Site development responsibility
 - Third-party mark-ups
 - Warranty & Support
 - Pricing
 - Schedule





NSRS – Washoe County SPA

- To purchase, design and build an 800 MHz, Project 25, Public Safety Radio System.
- Including:
 - Radio system infrastructure and Services
 - Site Development
 - End-User radio equipment

Contract Cost Summary	
Infrastructure and Services	\$8,543,700
Site Development	\$7,033,222
End-User Radio Equipment	\$10,960,588
Total	\$26,537,510



NSRS – Washoe County SPA



- **Infrastructure and Services - \$8,543,700**
- **Infrastructure – Upgrade 10 sites, build 5 new sites:**
 - Radio System & Control Equipment, Software, Licensing
 - Network Equipment
 - Antenna Systems
 - Spare Equipment
- **Services:**
 - System Engineering
 - Project management
 - Training
 - System Equipment Services



NSRS – Washoe County SPA

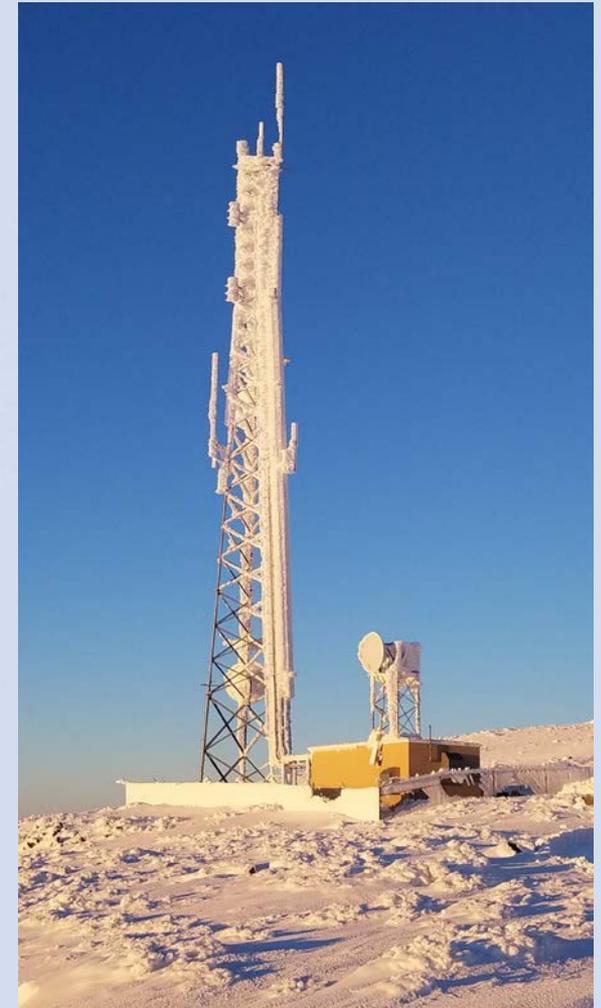
- **Site Development - \$7,033,222**
- **Upgrade 10 sites, build 5 new sites:**
 - Tower Construction
 - Shelter Construction
 - Site Development – Roads, Fencing, Land Clearance
 - Generators
 - Electrical work
 - DC Power systems
 - Air Conditioning
 - Permits, Drawings, Site Acquisition
 - Microwave equipment and software





NSRS – Washoe County SPA

- **Total Radio System Infrastructure Cost: \$15,576,922**
- **New System Benefits and Features:**
 - Virtually Unlimited User Capacity
 - Open Standard – Project 25 (P25)
 - Increased/Improved Coverage
 - Seamless Statewide coverage & Interop. for all users
 - Manufacturer support





NSRS – Washoe County SPA



- **End-User Radio Equipment: \$10,960,588**
 - 5,070 radios to be purchased over initial 6-8 year contract period.
 - Hand-held radios
 - Mobile radios
 - Upgrades of existing radios
 - Installation/Programming Services
 - Contract Pricing available to WCRCS agencies.



NSRS – Washoe County SPA

- **Next Steps:**
- Execute contract and initialize payment milestones – FY19 payment budgeted.
 - Work with Joint Operating Committee to plan FY20 payment, Washoe County has partial payment budgeted.
- Finalize and present a detailed funding plan to Board of County Commissioners
- Work with regional partners to develop a strategy for equitable operations and infrastructure payments.
- Facilitate end-user radio purchases with regional partners.
- Work with Harris to design and implement the radio system.

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Quinn Korbulic, PhD.
IT Manager,
Washoe County Technology Services
qkorbulic@washoecounty.us
(775) 328-2348

