Nevada Shared Radio System (NSRS) System Purchase Agreement

September 25, 2018
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
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)

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

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<tr>
<th>Contract Cost Summary</th>
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<tr>
<td>Infrastructure and Services</td>
<td>$8,543,700</td>
</tr>
<tr>
<td>Site Development</td>
<td>$7,033,222</td>
</tr>
<tr>
<td>End-User Radio Equipment</td>
<td>$10,960,588</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$26,537,510</strong></td>
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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
- **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
**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
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.
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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