



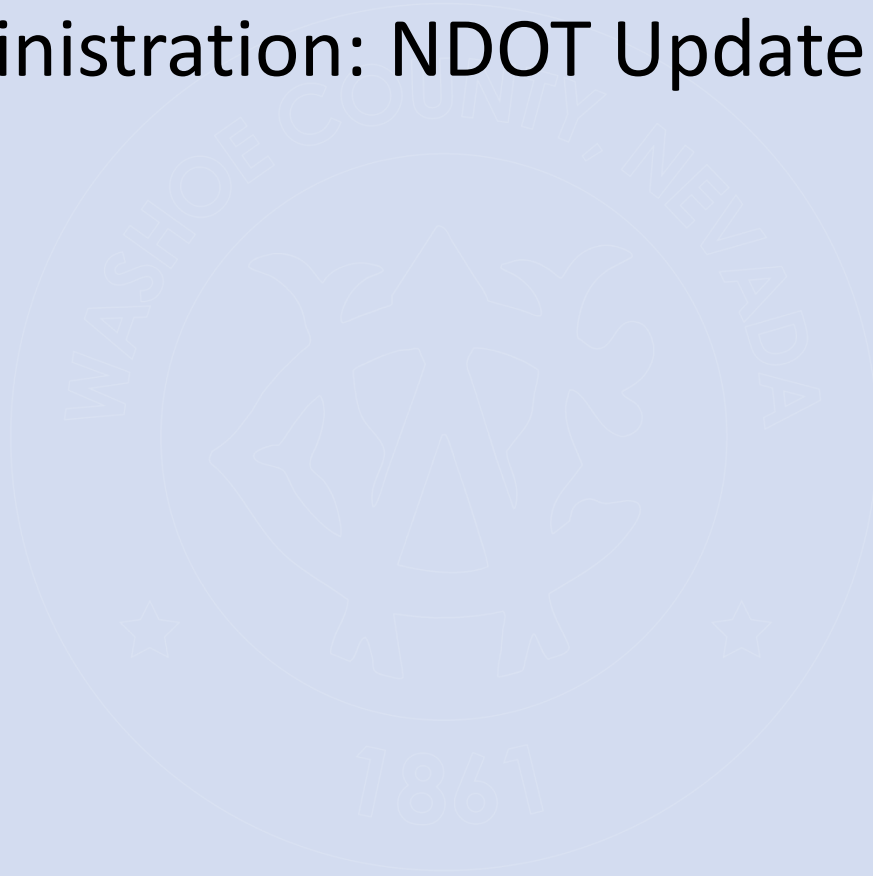
# Nevada Shared Radio System Update

WCRCS 800 MHz Joint Operating  
Committee Meeting, January 19, 2018  
Agenda Item 9



# NSRS - Current Status

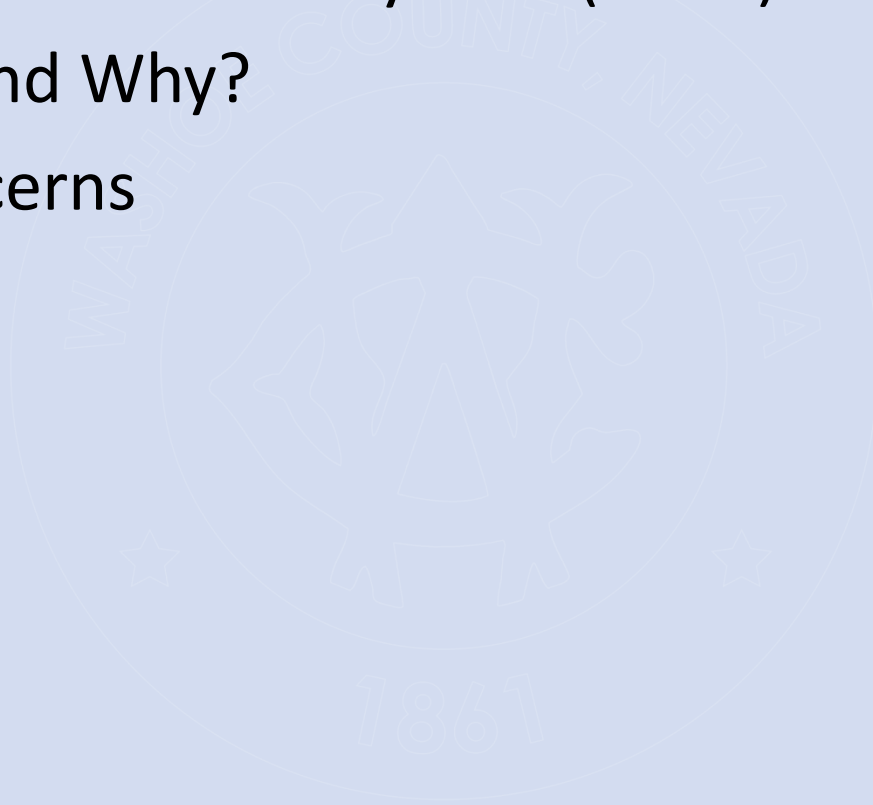
- RFP Administration: NDOT Update





# NSRS Overview

- Nevada Shared Radio System (NSRS)
  - What and Why?
- NSRS Concerns





# What is NSRS and why?

## ■ What is NSRS?

- A Statewide Shared Radio System
- Formal agreement on governance, operation, maintenance, & service of the statewide shared radio system
- The agreement is between NV Energy, Nevada DOT and Washoe County.
  - System Infrastructure Owners (SIO)



## ■ Why NSRS?

- EDACS end of life, end of support.
  - 8 year maximum continued use.
- New Technology – New Standard – P25
- Strong Existing Partnerships
- Interoperability/Seamless coverage throughout the State
- For WCRCS members:
  - Provides coverage outside WCRCS service area at no cost.





# NSRS Concerns

- Governance
- Costs of Nevada DOT withdrawal from WCRCS
- New System Costs
- Are there Alternatives to NSRS?



# NDOT withdrawal from WCRCs

Agency	Active LIDs	Current Agency Cost	NDOT Removed	Agency Increase
Air National Guard	29	\$8,339	\$11,237	\$2,897
Airport	227	\$65,277	\$87,961	\$22,683
DEA	24	\$6,902	\$9,300	\$2,398
FBI	20	\$5,751	\$7,750	\$1,998
IVGID	2	\$575	\$775	\$199
NLTFPD	89	\$25,593	\$34,487	\$8,893
NSRS (NDOT, NV Energy)	1513	\$435,086	\$0	N/A
PLPT	78	\$22,430	\$30,224	\$7,794
REMSA	19	\$5,464	\$7,362	\$1,898
Reno	1004	\$288,715	\$389,043	\$100,327
RSIC	49	\$14,091	\$18,987	\$4,896
Sparks	416	\$119,627	\$161,197	\$41,570
TMFPD	319	\$91,733	\$123,610	\$31,877
TMWA	53	\$15,241	\$20,537	\$5,296
UNR	80	\$23,005	\$30,999	\$7,994
VA Police	2	\$575	\$775	\$199
Washoe County	1123	\$322,936	\$435,155	\$112,219
WCSD	820	\$235,803	\$317,744	\$81,940
<b>Total</b>	<b>5867</b>	<b>\$1,687,145</b>	<b>\$1,687,145</b>	<b>\$435,086</b>

## Highlights:

Budget of 1.68 M shared equitably between all users by active LID.

NSRS Contribution of **\$435,086** distributed among all other agencies by active LID.

**\$388 per active radio.**

## Largest changes:

Washoe: + \$112,219

Reno: + \$100,327

WCSD: + \$81,490

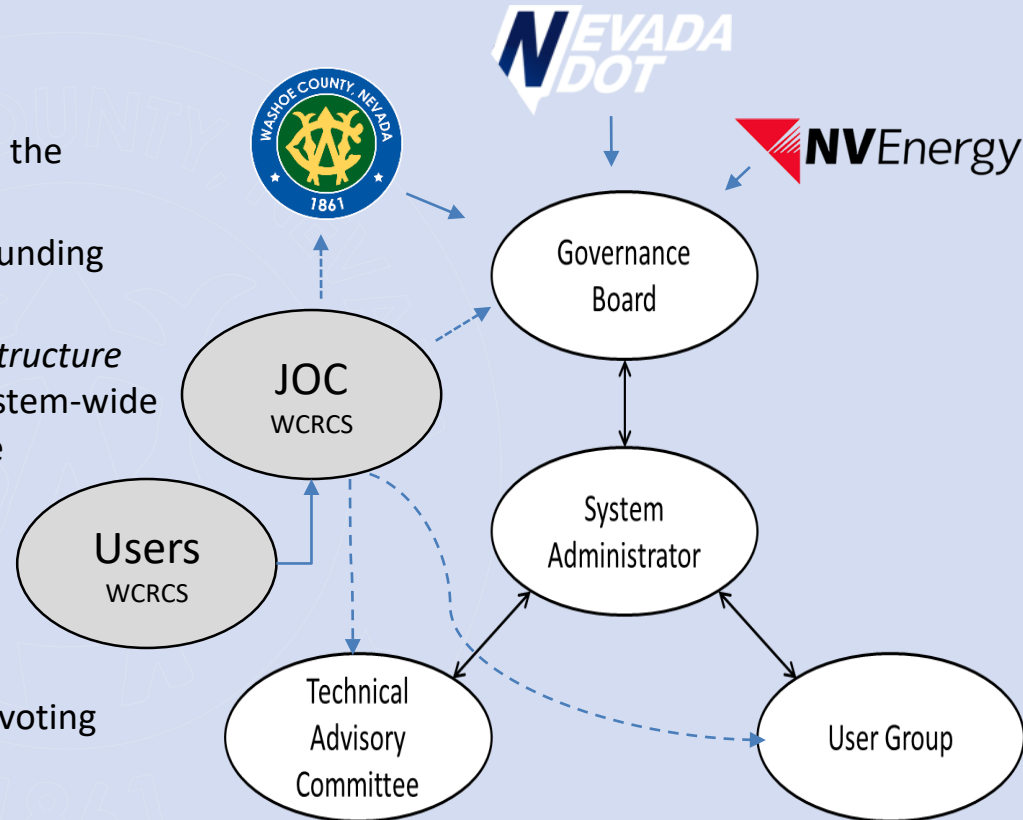
Sparks: + \$41,570

TMFPD: + \$31,877



# NSRS Governance Structure

- **Governance Board:**
  - *System Infrastructure Owners (SIO)*
  - One representative from each SIO makes up the Governance Board.
  - Board members have decision making and funding authority for their respective System.
  - *JOC is not officially part of the governance structure* but any decisions made by JOC that have system-wide impacts will be reviewed by the TAC and the Governance Board
- **System Administrator**
  - Reports directly to the Governance Board
- **Technical Advisory Committee (TAC)**
  - One representative from each SIO will have voting authority on the TAC.
- **Users Group**
  - User Group submits recommendations or requests to the System Administrator.





# NSRS – Washoe County Cost Estimate

- **Washoe County Regional Communications System Cost Estimate:**

– \$12.5 – 20.5 M

Description	Low cost Estimate	High Cost Estimate
Equipment Total	\$5,800,000	\$8,000,000
Services	\$3,200,000	\$4,000,000
Additional Sites - Greenfield	\$3,500,000	\$8,500,000
<b>Total</b>	<b>\$12,500,000</b>	<b>20,500,000</b>





# P25 System Upgrade - Possible Agency Costs

Agency	System Low Estimate	System High Estimate
Nevada Air National Guard	\$90,000	\$140,000
Reno-Tahoe Airport Authority	\$660,000	\$1,070,000
Drug Enforcement Administration	\$70,000	\$120,000
Federal Bureau of Investigations	\$60,000	\$100,000
Incline Village General Improvement District	\$10,000	\$10,000
North Lake Tahoe Fire Protection District	\$250,000	\$410,000
Carson City Fire Department	\$10,000	\$10,000
Pyramid Lake Paiute Tribe	\$230,000	\$370,000
REMSA	\$60,000	\$90,000
Reno, City of	\$2,890,000	\$4,730,000
Reno-Sparks Indian Colony	\$150,000	\$240,000
Sparks, City of	\$1,200,000	\$1,960,000
Truckee Meadows Fire Protection District	\$920,000	\$1,510,000
Truckee Meadows Water Authority	\$160,000	\$250,000
University of Nevada, Reno	\$240,000	\$380,000
US Department of Veterans Affairs Police	\$10,000	\$10,000
Washoe County School District	\$2,360,000	\$3,870,000
Washoe County	\$3,230,000	\$5,290,000

- Agency Costs are likely to be spread across a financing period, e.g. 10 years.