

WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM

P25 Radio System Joint Operating Committee

Tracy Moore, Chair
Ryan Sommers, Vice-chair
Charles Moore, Secretary

*****Meeting Minutes*****

Thursday, October 17, 2024

This meeting was scheduled to begin directly after the 800 MHz Joint Operating Committee meeting but not begin earlier than 10:15 a.m.

**Washoe County Administration Complex
1001 East Ninth Street, Reno, Nevada, 89512
Building A, Second Floor, Caucus Room**

This meeting was held at the physical location listed above with a teleconference option.

Committee website: https://www.washoecounty.gov/technology/board_committees/800mhz_joc

Committee Members

Dave Cochran, City of Reno	Charles Moore, Truckee Meadows FPD
Craig Franden, City of Reno (Alternate)	Chris Ketring, Truckee Meadows FPD (Alternate)
Derek Keller, City of Sparks	Ian Dasmann, TMWA
Connie Shepperd, City of Sparks (Alternate)	Chuck Atkinson, TMWA (Alternate)
David Todd Curtis, Nevada Air National Guard	Ed Atwell, UNR/NSHE
Matthew Lund, Nevada Air National Guard (Alternate)	Jeremy Irwin, UNR/NSHE (Alternate)
Ryan Sommers, North Lake Tahoe FPD	Vacant, US DEA
Russ Barnum, North Lake Tahoe FPD (Alternate)	Bryan Boren, US Dept. of Veterans Affairs
Don Pelt, Pyramid Lake Paiute Tribe	Ray Leal, US Dept. of Veterans Affairs (Alternate)
David Paulon, Pyramid Lake Paiute Tribe (Alternate)	Jenn Felter, Washoe County
Jarrold Nunes, Reno-Sparks Indian Colony	Darrin Rice, Washoe County (Alternate)
John Hecimovich, Reno-Sparks Indian Colony (Alternate)	Tracy Moore, Washoe County School District
Ben Carpenter, Reno-Tahoe Airport Authority	Mark Mathers, Washoe County School District (Alternate)
Vacant, Reno-Tahoe Airport Authority (Alternate)	

Agenda

1. CALL TO ORDER AND DETERMINATION OF QUORUM [Non-Action Item]

The meeting was called to order at 10:45 a.m.

Present

- | | |
|---|---------------|
| • City of Reno | Craig Franden |
| • City of Sparks | Derek Keller |
| • North Lake Tahoe Fire Protection District | Ryan Sommers |



QUALITY
PUBLIC SERVICE



INTEGRITY



EFFECTIVE
COMMUNICATION

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- | | |
|--|---------------|
| • Truckee Meadows Fire Protection District | Charlie Moore |
| • Truckee Meadows Water Authority | Ian Dasmann |
| • UNR | Ed Atwell |
| • US Dept. of Veterans Affairs | Byran Boren |
| • Washoe County | Darrin Rice |
| • Washoe County School District | Tracy Moore |

Absent

- Nevada Air National Guard
- Pyramid Lake Paiute Tribe
- Reno-Sparks Indian Colony
- Reno-Tahoe Airport Authority
- US DEA (vacant)

Deputy District Attorney Wade Carner, Washoe County District Attorney's Office, was in attendance.

2. INSTRUCTIONS FOR PROVIDING PUBLIC COMMENT VIA TEAMS/TELEPHONE [Non-Action Item]. *Wade Carner, Deputy District Attorney*

Washoe County Deputy District Attorney Wade Carner provided the instructions for providing public comment: This meeting is being held at and physical location with a teleconference option. Members of the public may submit public comment by either attending the meeting in person, attending the meeting via teleconference or attending by telephone only utilizing Meeting ID: 230 208 197 202, Passcode: yjkom5 or by telephone by dialing 775-325-0620 and entering Conference ID: 526 140 601#. To provide public comment via Teams, log into the Teams Meeting at the link on the first page of the notice of meeting and utilize the "Raise Hand" feature during any public comment period. To provide public comment via telephone only, press *5. Press *6 to mute/unmute.

3. PUBLIC COMMENT [Non-Action Item] – Comment heard under this item will be limited to three (3) minutes per person and may pertain to matters both on and off the P25 Radio System Joint Operating Committee agenda. However, action may not be taken on any matter raised during this public comment period until the matter is specifically listed on an agenda as an action item. Comments are to be made to the P25 Radio System Joint Operating Committee as a whole.

There was no response to the call for public comment; no emails had been submitted prior to the meeting.

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4. **APPROVAL OF JULY 25, 2024, MINUTES** [For Possible Action] – Committee members may identify any additions or corrections to the draft minutes as transcribed.

Ed Atwell, UNR, moved to approve the minutes as written. Ryan Sommers, North Lake Tahoe Fire Protection District, provided the second. There was no response to the call for Committee or public comment. Upon a call for the vote, the motion carried unanimously.


5. **P25 RADIO SYSTEM CONSTRUCTION GRANT FUNDING CONTRACTOR UPDATE** [Non-Action Item] – An update the services of a contractor to obtain grant for the construction of P25 Radio communication sites. *Quinn Korbolic, Washoe County Technology Services*

Jayne Leighton reviewed the [presentation](#) for this item providing updates on grant options. She shared she was able to meet with representatives in Washington D.C.

6. **WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM STATUS AND OUTAGE REPORT** [Non-Action Item] – A presentation and discussion on the status and outages of the Washoe County Regional Communication System, including updates on recent maintenance, system disruptions, system usage, and system repairs. *Melissa Lawney, Washoe County Technology Services*

Melissa Lawney, Washoe County Technology Services, reviewed the [system status and outages](#) sharing there has been a fair amount of activity and a temporary solution was established at the Crystal Bay location.

SYSTEM STATUS UPDATE



- **Radio Service Interruptions**
 - **Tahoe Simulcast:** Running on IP Tube due to Slide Dish outage; replacement work on-going. Spectrum service outages caused additional disruptions this spring.
 - **Fox Mountain:** Overheating required multiple visits for temporary cooling; a permanent AC solution is needed. New P25 system and high summer temperatures worsened the issue.
 - **920 Evans:** Interference mitigated; working with the owner on a BDA solution that won't interfere with public safety.
- **VHF Radio Interference Troubleshooting**
 - **TM VHF:** Issue traced to a microphone mismatch between older and newer BK radios; resolved by replacing mics.
 - **Davis Creek Fire:** Additional interference issues arose but couldn't be investigated due to lack of resources.
- **WC Metro P25 Simulcast Outages**
 - **August:** Two-hour outage caused by system misconfiguration; under investigation.
 - **September:** NDOT VLAN outage caused console issues; vendor contacted to restore redundancy and microwave failover.

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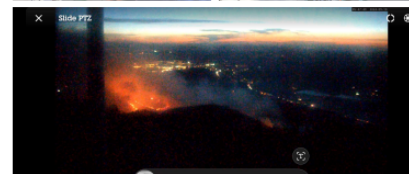
WCRCS INFRASTRUCTURE MAINTENANCE AND REPLACEMENT UPDATE

- **Generators**
 - All Generators inspected and serviced
 - Awaiting Fox Generator to be installed in November (delivery keeps getting pushed back further)
- **Radio maintenance & alignments**
 - Anritsu Monitor out for repair.
- **Security camera software Updated**
 - Cameras purchased for Cold Springs, Ophir, Marble Bluff still need to schedule install.
- **HVAC**
 - All HVAC Units inspected and serviced.
 - Virginia Peak HVAC Installed
 - Peavine HVAC Installed
 - Slide AC HVAC Ordered
 - Fox Mountain will need new HVAC. With new P25 Equipment, and all the 100 Degree days we experienced, all outages were due to Heat concerns.



Construction Updates

- **Tahoe Basin**
 - Microwave installation starting during the Davis Fire, Work continued throughout the events, Thanks to TMFPD granting access to continue work.
 - 7705 Router and Radio Traffic are still being cut over to the new links
 - New IP Tunnel was installed, to help reduce outages that we have been seeing through the Spectrum circuit all Spring and Summer
- **Red Peak**
 - Lease agreement approved by BCC
 - Lease effective starting FY25
 - Permitting process is expected to take six weeks
 - Awaiting notice to proceed with construction from the owner
- **Smokey Quartz & Seven Lakes**
 - Archeological reports reviewed by BLM 10/12/2024
 - CMAR Engineering PO has been issued to make ready for BLM Lease



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Construction Updates

- **Marble Bluff**
 - Plenum Builders is scheduled to complete the remaining two weeks of construction work.
 - Plenum is coordinating with NVE to get on the construction schedule for the installation of a new transformer on site.
 - L3Harris P25 antenna installation is planned for Spring 2025.
- **Biltmore**
 - Biltmore cabinet installation has been completed.
 - Load center connections were finalized at the end of August.
- **Microwave deployments 2024 :**
 - Snowflake ⇄ Biltmore "ON-GOING"
 - Biltmore ⇄ Slide "ON-GOING"
- **Microwave Deployments 2025 :**
 - Marble ⇄ Poito *
 - Poito ⇄ Fox*
 - Red Peak ⇄ Spectrum*
 - Red Peak ⇄ Virginia*



The previous bi-directional amplifier issue at Evans Street has resurfaced and is being addressed. There have been issues as a result of implementing the new P25 system. Appreciation for the Truckee Meadows Fire Protection District escorts during the Davis fire was expressed. There is continued progress on the BLM permitting process. She reviewed the push-to-talk system data for radios that are active on the local system by agency. It was clarified that NDOT was not included; it was requested that they be included in the future; a sub-agency use can be made available.

7. **NEVADA SHARED RADIO SYSTEM (NSRS) & L3HARRIS CONTRACT(S) CHANGE DISCUSSION** [Non-Action Item] – A presentation and discussion on recent proposals by L3Harris to modify NSRS member contracts. Discussion may include but not be limited to a proposal for radio price increases and modification of EDACS decommissioning responsibilities and timeline. *Quinn Korbolic, Washoe County Technology Services*

There was no discussion on this item.

8. **NEVADA SHARED RADIO SYSTEM PROJECT UPDATE** [Non-Action Item] – A presentation and discussion on the progress of the Nevada Share Radio System (NSRS) project status, cutover outlook, and possible prioritization for NSRS Regions and site builds. *Adrian Arnold NSRS System Administrator*

Adrian Arnold, NSRS System Administrator, reviewed the [presentation](#) for this item sharing the status of Regions One, Two and Three. The Region Two Phase Plan supports lessons learned to maximize burn-in period. There are discussions to identify steps to bring the regional acceptance forecast earlier than currently expected; there are impediments with site access.

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Nevada Shared Radio System: Region 1 Update



- Region 1 Status
 - Region accepted on 29 August, 2024
 - System performance has been reported as a significant improvement over EDACS
 - Partial system loading through burn-in and post-acceptance – many Agencies and Users need to cutover off of EDACS to P25
 - Ongoing Surge effort to finalize mobile radio installation and programming to migrate all agencies prior to EDACS turn-down and decommissioning



Nevada Shared Radio System: Region 2 Update



- Region 2 Status
 - Region 2 consists of 42 sites including 6 mitigation sites
 - 16 sites have completed commissioning (ready for system testing and follow on cutover)
 - Lack of site readiness at 20 sites has pushed commissioning schedule into 2025 following a Winter 24/25 operational pause for site installation and commissioning
 - WCRCS – 9 (some of these are counted only due to being in Simulcast and awaiting other site readiness)
 - NDOT – 5
 - NVE – 6
 - Highest Risk Sites
 - WCRCS – Mt Rose due to a combination of requirement for High Sierra NTP and small seasonal window for site work
 - NDOT – Toulon and Bald West due requirement for High Sierra NTP
 - NVE – Patrick due to lease agreement requirements with American Tower and with High Sierra Communications



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Nevada Shared Radio System: Region 2 Update



- Region 2 Status continued...
 - System Core is complete
 - Console upgrades are complete; New console purchases are ongoing
 - Mobile Radio installations scheduled to begin in Jan 2025. Will require schedule management with R1 closeout Mobile Radio Installations
 - Cutover forecast as December 2026
 - Regional acceptance forecast as February 2027



Nevada Shared Radio System: Region 3 Update



Region 3 Status

- Region 3 consists of 35 sites
- The 6 remediation sites are intended to be complete within the Region 3 schedule at the latest
- 11 R3 sites have completed commissioning
- Lack of site readiness at 24 sites has pushed commissioning schedule into 2025 following a Winter 24/25 operational pause for site installation and commissioning
 - NDOT – 20
 - NVE – 4
- Cutover forecast as February 2027
- Regional acceptance forecast as April 2027



Ed Atwell, UNR, asked if any XG radios had yet been used as part of Region One usage/cutover. Mr. Arnold indicated only XLs have been used so far but once XGs are, he can report back on functionality.

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9. **RECOMMENDATION TO RATIFY THE P25 RADIO SYSTEM INTERLOCAL AGREEMENT ADDENDUM TO ADDRESS CONSTRUCTION COST INCREASES** [For Possible Action] – An update, discussion, and possible action to make a recommendation to P25 Radio System Partner Agencies to ratify the first Addendum to the June 2020 P25 Radio System Interlocal Agreement; discussion may include, but not be limited to, construction costs for the P25 radio sites; the Addendum terms and conditions; cost impacts on P25 Radio System Partner Agencies; and timeline for Addendum ratification. *Quinn Korbolic, Washoe County Technology Services*

Quinn Korbolic, Washoe County Technology Services, reviewed the [presentation](#) for this item with updated cost estimates, per agency costs, modified addendum language, payment options, plans for excess and insufficient funds, timeline for review and ratify the agreement. It was clarified that the LID counts used were as of June 30, 2024, not 2023. The increased costs for Smokey Quartz and Seven Lakes have resulted from more concise estimates. Red Peak costs were removed from the updated Appendix B as that site is already under contract. References to the total amount of \$5,887,898 should be \$3,963,705.82 and will be updated when the document is distributed for final review and signature. The payment options and timing were discussed; pre-payment would allow for payment prior to FY26. A final draft would be made available by November 13, 2024.

Ed Atwell, UNR, moved to make a recommendation to P25 Radio System Partner Agencies to ratify the first Addendum to the June 2020 P25 Radio System Interlocal Agreement with the corrections to update references to the Addendum total from \$5,887,898 to \$3,963,705.82. Ryan Sommers, North Lake Tahoe Fire Protection District, provided the second. There was no further Committee discussion or response to the call for public comment. Upon the call for a vote, the motion carried unanimously.

Chair Moore expressed appreciation for efforts to discuss and come to an agreement on draft language and the level of responsibility afforded to decisions concerning taxpayer money.

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Addendum Terms



- Additional costs are divided proportionately by the number of radios, based on LIDS, each agency operates on the system.
 - LID Count on June 30, 2023.
- Specify each agency's share in an addendum
- Three different payment options
 - Annual Pay as you go
 - Prepayment
 - Periodic Pay as you go
- Excess funds – Agencies will be reimbursed for excess payments.
- Insufficient funds – If construction costs are greater than the total agency payments, the committee may consider options for completing construction.
 - If the total construction costs are \$500k greater than the total of all agency payments, the Partner Agencies shall renegotiate.

Addendum Cost by Agency – without Ash Field



Agency	Radio IDs June 30, 2024	Percent Share June 30, 2024	Agency Contribution FY26	Agency Contribution FY27	Total Agency Contribution FY26-FY27
Reno Tahoe Airport Authority	281	4.94%	\$75,717.04	\$70,722.44	\$146,439.48
US Drug Enforcement Agency	24	0.42%	\$6,466.94	\$6,040.35	\$12,507.29
Pyramid Lake Paiute Tribe	85	1.49%	\$22,903.73	\$21,392.91	\$44,296.64
City of Reno	1,344	23.63%	\$362,148.43	\$338,259.63	\$700,408.06
Reno Sparks Indian Colony	71	1.25%	\$19,131.35	\$17,869.37	\$37,000.72
City of Sparks	474	8.33%	\$127,721.99	\$119,296.92	\$247,018.91
Truckee Meadows Fire & Rescue	342	6.01%	\$92,153.84	\$86,075.00	\$178,228.84
Nevada System of Higher Education, UNR, TMCC	78	1.37%	\$21,017.54	\$19,631.14	\$40,648.68
North Lake Tahoe Fire Protection District	102	1.79%	\$27,484.48	\$25,671.49	\$53,155.97
US Department of Veteran's Affairs	22	0.39%	\$5,928.02	\$5,536.99	\$11,465.01
Truckee Meadows Water Authority	19	0.33%	\$5,119.66	\$4,781.94	\$9,901.60
Washoe County School District	1,122	19.73%	\$302,329.27	\$282,386.39	\$584,715.66
Air National Guard	42	0.74%	\$11,317.14	\$10,570.61	\$21,887.75
Washoe County	1,681	29.56%	\$452,954.99	\$423,076.22	\$876,031.21
WCRCS Infrastructure			\$700,000.00	\$300,000.00	\$1,000,000.00
	5,687		\$2,232,394.42	\$1,731,311.40	\$3,963,705.82

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Addendum Terms – Changes



- Modified language in the Insufficient Funds section.
- Remove one cost table and update cost numbers to reflect best known cost estimates.
 - Updated Agency Radio IDs – June 30, 2024
 - Updated cost number \$3.6M → \$3.9M
 - Increase Infrastructure contribution \$800k → \$1M
- Limit expenses in the addendum only to specified construction projects (Appendix B).
- Agencies should not be obligated to additional expenses if there are insufficient funds unless a new addendum is executed.
- Added Appendix B to clarify which construction projects the Addendum applies to.

10. **P25 RADIO SYSTEM JOINT OPERATING COMMITTEE MEMBERS AND/OR STAFF ANNOUNCEMENTS, REQUESTS FOR INFORMATION AND SELECTION OF TOPICS FOR FUTURE AGENDAS** [Non-Action Item] – The next meeting of the P25 Radio System Joint Operating Committee is scheduled for January 23, 2025.

Appreciation was expressed for John Byerly's work dedication.

11. **PUBLIC COMMENT** [Non-Action Item] – Comment heard under this item will be limited to three (3) minutes per person and may pertain to matters both on and off the P25 Radio System Joint Operating Committee agenda. However, action may not be taken on any matter raised during this public comment period until the matter is specifically listed on an agenda as an action item. Comments are to be made to the P25 Radio System Joint Operating Committee as a whole.

There was no response to the call for public comment.

12. **ADJOURNMENT**

The meeting adjourned at 12:13 p.m.

Approved as written in Session April 17, 2025.