

# WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM

## 800 MHZ USERS COMMITTEE

Keith Mullen, Chair  
Paul Wiley, Vice-chair  
Vacant, Secretary

***\*\*Meeting Minutes\*\****

**Thursday, December 9, 2021**

**10:00 a.m.**

**This meeting was held via teleconference.**

### **Agenda**

#### **1. CALL TO ORDER AND ROLL CALL [Non-action item]**

The meeting was called to order at 10:05 a.m. A quorum was reached at 10:13 a.m.

#### **Present**

- |                                            |                                   |
|--------------------------------------------|-----------------------------------|
| • City of Sparks                           | Keith Mullen                      |
| • Nevada Dept. of Transportation           | Jacob Grivette                    |
| • Pyramid Lake Paiute Tribe                | Johnathen Prichard                |
| • Truckee Meadows Fire Protection District | Chris Ketring (joined 10:13 a.m.) |
| • Truckee Meadows Water Authority          | Chuck Atkinson                    |
| • UNR                                      | Ed Atwell                         |
| • US Dept. of Veterans Affairs             | Bryan Boren                       |
| • Washoe County                            | Russ Pedersen                     |
| • Washoe County School District            | Austin Mills                      |

#### **Absent**

- City of Reno
- Incline Village GID (vacant)
- Nevada Air National Guard
- North Lake Tahoe Fire Protection District
- Reno Sparks Indian Colony
- Reno-Tahoe Airport Authority
- US DEA (vacant)

Washoe County Deputy District Attorney Keith Munro was present. He advised the Chair that he could proceed with the non-action items on the agenda without a quorum.



QUALITY  
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INTEGRITY



EFFECTIVE  
COMMUNICATION

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2. **PUBLIC COMMENTS** [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 800 MHz Users 800 MHz Users Committee agenda. The 800 MHz Users Committee will also hear public comment during individual action items, with comment limited to three (3) minutes per person. Comments are to be made to the 800 MHz Users Committee as a whole.

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

[Items Three and Four were heard after Item Five once a quorum was reached.]

3. **APPROVAL OF SEPTEMBER 16, 2021, 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. Russ Pederson, Washoe County, seconded the motion. There was no response to the call for Committee or public comment. Upon a call for a vote, the motion carried unanimously.

4. **ELECTION OF OFFICERS** [For Possible Action]

- a. Secretary

Ed Atwell, UNR, moved to nominate and elect Austin Mills, Washoe County School District, as Committee Secretary. Russ Pederson, Washoe County, seconded the motion. There was no response to the call for Committee or public comment. Upon a call for a vote, the motion carried unanimously.

5. **LID (Logical Identification Number) STATUS UPDATE** [Non-action item] – An ongoing review and discussion on the issue of limited LID availability on the Washoe County Regional Communication System. *Melissa Lawney, Washoe County Technology Services*

Melissa Lawney, Washoe County Technology Services, reviewed her presentation slide three, noting Reno may no longer need the seven LIDs requested.

[Chris Ketring, Truckee Meadows Fire Protection District, joined the meeting at 10:13 p.m.]

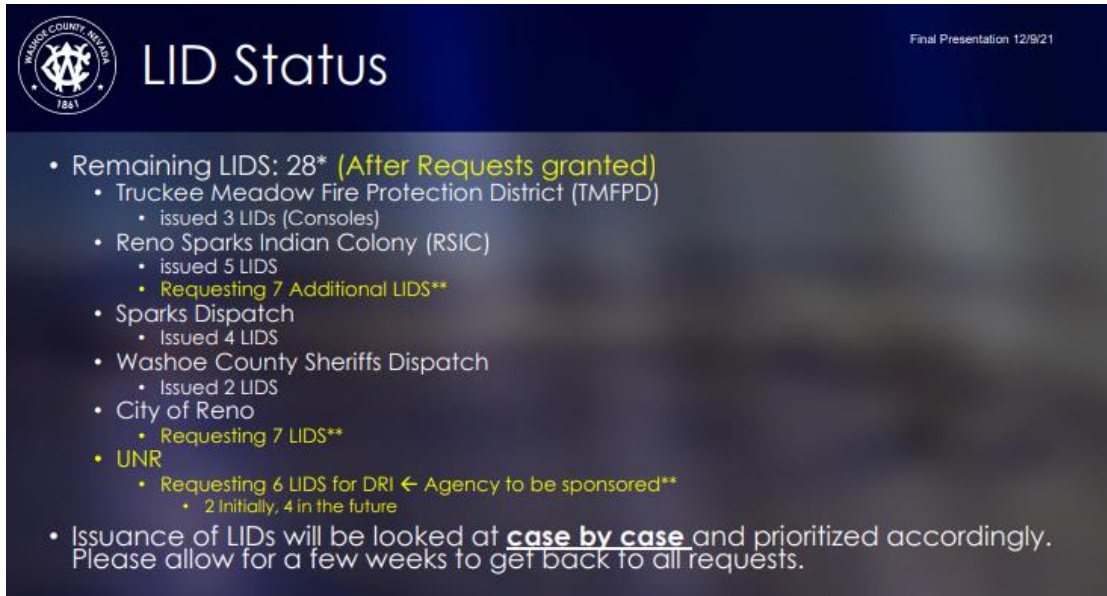
Ms. Lawney shared that as Region One gets through its cut-over, the State of Nevada and NV Energy will begin to pool the available LIDs and resources and redistribute them equally amongst the groups that may need them. Agencies would need to buy the newer radios or have existing radios updated in order to make that change.

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The slide is titled "LID Status" and features the Washoe County Nevada logo in the top left corner. The text is as follows:

Final Presentation 12/9/21

- Remaining LIDS: 28\* (After Requests granted)
  - Truckee Meadow Fire Protection District (TMFPD)
    - issued 3 LIDs (Consoles)
  - Reno Sparks Indian Colony (RSIC)
    - issued 5 LIDS
    - Requesting 7 Additional LIDS\*\*
  - Sparks Dispatch
    - Issued 4 LIDS
  - Washoe County Sheriffs Dispatch
    - Issued 2 LIDS
  - City of Reno
    - Requesting 7 LIDS\*\*
  - UNR
    - Requesting 6 LIDS for DRI ← Agency to be sponsored\*\*
      - 2 Initially, 4 in the future
- Issuance of LIDs will be looked at **case by case** and prioritized accordingly. Please allow for a few weeks to get back to all requests.

6. **SYSTEM STATUS UPDATE** [Non-action item] – An informational update on the operational status of the 800 MHz Communication System. *Melissa Lawney, Washoe County Technology Services*

Melissa Lawney, Washoe County Technology Services, reviewed her presentation slide five.



The slide is titled "System Status Update" and features the Washoe County Nevada logo in the top left corner. The text is as follows:

Final Presentation 12/9/21

- Site issues
  - Slide channel 5 & 11
  - Fox Channel 4
- Outages
  - Fox Solar Panel Commissioning December 1<sup>st</sup> – 3<sup>rd</sup>
- Updates
  - Sums updates conducted monthly

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- 7. WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM INFRASTRUCTURE MAINTENANCE AND REPLACEMENT UPDATE** [For Discussion Only] – A review and discussion of maintenance and replacement needs for WCRCS Infrastructure. *Melissa Lawney, Washoe County Technology Services*

Melissa Lawney, Washoe County Technology Services, reviewed her presentation slides 7-14 highlighting the calendar year 2021 completed maintenance, the revised maintenance budget, and the five-year plan. As part of the five-year plan review, staff was recommending two additional staff positions be added (one FY23 and another FY24) to support the system expansion and the addition of five new sites. It is expected that Professional Services and Parts and Supplies budgets can be reduced to supplement the costs associated with the new positions. These positions are separate from the Radio Shop, which is funded by the General Fund.

- 8. FISCAL YEAR 2022-2023 WCRCS (WASHOE COUNTY REGIONAL COMMUNICATIONS SYSTEM) BUDGET** [For Possible Action] – A review, discussion, and possible action to recommend that the 800MHz Joint Operating Committee approve the Fiscal Year 2022-2023 WCRCS Budget. *Quinn Korbolic & Melissa Lawney, Washoe County Technology Services.*

Quinn Korbolic, Washoe County Technology Services, reviewed his staff report providing an overview of two scenarios for consideration for the FY23 budget. One scenario included the addition of one full-time equivalent (FTE) Network Engineer position while the second include the addition of only one-half of an FTE. While the scenarios present an overall increase in the Operations budget, the cost per radio will remain nearly the same as FY22 due to an increase in the total number of radios on the system. He reviewed other General Ledger (GL) changes proposed to offset the costs associated with adding a new part-time or full-time employee. The staff recommendation was to fund one FTE and continue with a ten percent contribution to the Infrastructure Fund to best support expansion of the system and the addition of five new sites; current industry standards suggest between two and five sites per technician. Adding another team member will help support the work expected to ramp up in 2022 for P25 implementation including building of the new sites and installing new P25 equipment. Staff time will still also be required to maintain the existing system and provide for system administration.

Ed Atwell, UNR, moved to recommend the 800MHz Joint Operating Committee approve the Fiscal Year 2022-2023 WCRCS Budget with the addition of one-full time employee and a ten percent contribution to the Infrastructure Fund. Russ Pedersen, Washoe County provided the second. There was no response to the call for Committee discussion or the call for public comment. Upon a call for the vote, the motion carried unanimously.

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### WCRCS FY22/23 Proposed Budget Highlights +0.5 FTE

#### Overview of Budget Proposal:

- Total Radio Count increase of 383
- 7.5% Operations budget increase over FY21 - 22.
- Staff will continue to recommend the 10% contribution to Infrastructure.
  - Cost per radio increase of \$0.69 per radio/per year to \$280.88.

#### Operations:

- Total Operations Budget: \$1,755,879.44
- Operations Budget increase: \$101,883.92
- Covers 5 FTE staff including the Regional Communications Coordinator, a Sr. Network Engineer, and two Network Engineers.
- Operations account balance as of October 11, 2021: \$1,213,994
- FY21 unspent Operations Budget amount: \$314,128.18

#### Infrastructure:

- Staff will continue to recommend infrastructure contributions at 10% of the operations budget.
- Infrastructure account balance: \$1,108,791
  - \$905,000 is budgeted in FY22
- Expansion account balance: \$179,145

### WCRCS FY22/23 Proposed Budget Highlights +1 FTE

#### Overview of Budget Proposal:

- Total Radio Count increase of 383
- 8.5% Operations budget increase over FY21 - 22.
- Staff will continue to recommend the 10% contribution to Infrastructure.
  - Cost per radio increase of \$2.62 per radio/per year to \$282.81.

#### Operations:

- Total Operations Budget: \$1,767,952.66
- Operations Budget increase: \$113,957.14
- Covers 5 FTE staff including the Regional Communications Coordinator, a Sr. Network Engineer, and two Network Engineers.
- Operations account balance as of October 11, 2021: \$1,213,994
- FY21 unspent Operations Budget amount: \$314,128.18

#### Infrastructure:

- Staff will continue to recommend infrastructure contributions at 10% of the operations budget.
- Infrastructure account balance: \$1,108,791
  - \$905,000 is budgeted in FY22
- Expansion account balance: \$179,145



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9. **WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM RADIO COUNTS, END OF LIFE NOTICES, AND REPLACEMENT OPTIONS** [For Discussion Only] – A review and discussion of current radio counts and how they relate to the contractual obligations to the NSRS contract; notice of End of Life for the XG-15P, XG-45P, XG-75P, P7300 including but not limited to possible replacement options. *Melissa Lawney, Washoe County Technology Services*

Melissa Lawney, Washoe County Technology Services, reviewed her presentation slides 16-19, and introduced Claire Pender with L3Harris as the new Sales Representative. When ordering equipment for which there will be a delay in installation, the warranty start time can be delayed by reaching out to Ms. Pender. 2,072 of the 5,097 contracted radios have so far been purchased (40%); ordering radios and equipment directly through Ms. Pender will ensure proper counts. Ms. Lawney shared that it is important to get as many of the portables upgraded to be ready for the new system. Harris will be onsite to do the one-touch programming updates and mobile installations October 2022-December 2023. Every radio will need to be touched before the cut-over and the warranty can be deferred until installed if Ms. Pender is made aware when the equipment is purchased. Radio models reaching end of life and proposed replacements were discussed.



## End of Life notices & Replacements options

12/9/2021

- The 700/800 MHz P7300 and XG Portable series radios, introduced in 2009 are reaching the end of product life.
- These especially effect the XG-15P, XG-25P, XG-75P & P7300 Radios

MILESTONE	DESCRIPTION	DATE
End-of-Manufacturing announcement	Sales Connection Mailing	8/02/2021
Equipment last-time-buy date (Last date for shipments from L3Harris facilities)	P7300	No LTB Offered
	XG-75P/Pe	11/30/2021
	XG-25P	11/30/2021
	XG-15P	11/30/2021
End-of-Firmware Support	XG Portables	11/30/2022
End-of-service parts support*	The end date for purchasing service parts, hardware maintenance support and TAC support.	11/30/2026


\*Limited availability

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	XL FAMILY FEATURE LIST					son 12/9/21
	SERIES	CONNECT	CONVERGE		EXTREME	
	SPECIFICATION	XL-95P	XL-150P	XL-185P	XL-200P	XL-400P
	VHF (136-174 MHz)	FUTURE	✓	✓	✓	✓
	UHF (378-522 MHz)	FUTURE	✓	✓	✓	✓
	700/800 MHz	✓	✓	✓	✓	✓
	900 MHz			✓		
	P25/Analog	✓	✓	✓	✓	✓
	P25 Trunking	✓	✓	✓	✓	✓
	Single Key AES/DES	✓	✓	✓	✓	✓
	Multikey AES/DES Encryption	✓		✓	✓	✓
	Over-the-Air Programming	✓	✓	✓	✓	✓
	Over-the-Air Rekeying	✓		✓	✓	✓
	Multiband Capable				✓	✓
	GPS	✓	✓	✓	✓	✓
	Bluetooth®	✓	✓	✓	✓	✓
	LTE Ready		✓	✓	✓	✓
	Wi-Fi	✓	✓	✓	✓	✓
	Top Display		✓	✓	✓	✓
	Advanced Noise Cancellation	✓	✓	✓	✓	✓
	Voice Annunciation	✓	✓	✓	✓	✓

- **XL Connect 95P Order Number:** XN-PF78M, Portable, XL-95P, 7/800 MHz, Black
  - Web: <https://www.l3harris.com/all-capabilities/xl-connect-95p-portable-radio>
- **XL Connect™ 45P Order Number:** XK-PF78B, Portable, XL-45P, 7/800 MHz, Gray
  - Web: <https://www.l3harris.com/all-capabilities/xl-connect-45p-portable-radio>

In response to Chair Mullen, Ms. Lawney indicated she was under the impression there would only be one mobile replacement option and no solution for Orions. It was expected that a new bay station model would be made available before the Region Two cut-over. The contractual pricing will be available up to one year after full-system acceptance. Agencies would need to arrange for mobile installation for equipment received after December 2023.

10. **UNR SPONSORSHIP OF DESERT RESEARCH INSTITUTE (DRI) TO JOIN THE WCRCS AS A SPONSORED AGENCY** [For Possible Action] – A review, discussion, and possible action to recommend that the 800 MHz Joint Operating Committee approve DRI as a Sponsored Agency, sponsored by UNR. *Ed Atwell, UNR*

Ed Atwell, UNR, has teams that work in remote areas, have relied upon cell coverage but can be limited; radio provides additional option for communication and security. Currently planning for two radios to start; have let them borrow in simplex mode; may increase to six in the future but don't have current budget; are aware of the limitation on LIDs;

Russ Pederson, Washoe County, moved to recommend that the 800 MHz Joint Operating Committee approve DRI as a Sponsored Agency, sponsored by UNR. Austin Mills, Washoe County School District, seconded the motion. There was no response to the call for committee or public comment. Upon a vote, the motion carried unanimously.

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- 11. 800 MHZ USERS COMMITTEE MEMBER/STAFF ANNOUNCEMENTS, REQUESTS FOR INFORMATION AND SELECTION OF TOPICS FOR FUTURE AGENDAS** [Non-action item] – No discussion among 800 MHz Users Committee members will take place on this item. The next regular meeting is scheduled for March 17, 2022, 10:00 a.m.

*None*

- 12. PUBLIC COMMENTS** [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 800 MHz Users Committee agenda. The 800 MHz Users Committee will also hear public comment during individual action items, with comment limited to three (3) minutes per person. Comments are to be made to the 800 MHz Users Committee as a whole.

There was no response to the call for public comment.

- 13. ADJOURNMENT** [Non-action item]

The meeting adjourned at 11:03 a.m.

Approved as written in session March 17, 2022.