

WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM

800 MHZ USERS COMMITTEE

Keith Mullen, Chair
Vacant, Vice-chair
Austin Mills, Secretary

****Meeting Minutes****

Thursday, June 16, 2022

10:00 a.m.

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

This meeting was held at and physical location with a teleconference option.

Committee website:

https://www.washoecounty.gov/technology/board_committees/800mhz_users/index.php

Agenda

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

The meeting was called to order at 10:01 a.m.

Present

- | | |
|---|----------------------------------|
| • City of Reno | Robert Allen (joined 10:17 a.m.) |
| • City of Sparks | Keith Mullen |
| • Nevada Air National Guard | Matthew Lund |
| • North Lake Tahoe Fire Protection District | Jeff Byrne (joined 10:25 a.m.) |
| • Reno-Tahoe Airport Authority | Tracy Moore |
| • Truckee Meadows Fire Protection District | Chris Ketring |
| • Truckee Meadows Water Authority | Chuck Atkinson |
| • UNR | Ed Atwell |
| • US Dept. of Veterans Affairs | Bryan Boren |
| • Washoe County | Jenn Felter |
| • Washoe County School District | Jon Kelly |

Absent

- Incline Village GID (vacant)
- Nevada Dept. of Transportation
- Pyramid Lake Paiute Tribe
- Reno-Sparks Indian Colony (vacant)
- US DEA (vacant)

Washoe County Deputy District Attorney Keith Munro was present.



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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.

3. **APPROVAL OF MARCH 17, 2022, 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. Jenn Felter, 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. **Vice-chair**

Tracy Moore, Reno-Tahoe Airport Authority, nominated Chris Ketring, Truckee Meadows Fire Protection District for Vice-chair. Mr. Ketring declined the nomination sharing due to staffing changes within his organization, we would not be the representative after this meeting.

Ed Atwell, UNR, nominated Tracy Moore, Reno-Tahoe Airport Authority, for Vice-chair. Mr. Moore declined the nomination noting concern with a conflict of interest between Users and JOC. No action was taken on this item.

b. **Secretary**

No action was taken on this item.

5. **DISTRIBUTED ANTENNA SYSTEMS (DAS) & BI-DIRECTIONAL AMPLIFIERS (BDA) INFORMATION SESSSION** [For Discussion Only] – A review and discussion of In Building Coverage, and the needs and uses of extended coverage of the Radio System with Distributed Antenna Systems and Bi-Directional Amplifier. *Jerry Daniszewski and Brian Justin, L3 Harris Engineers*

Brian Justin, Lead RF Engineer, L3 Harris, reviewed the presentation for this item ([Item 5 - Distributed Antenna Systems \(DAS\) & Bi-Directional Amplifiers \(BDA\) Information Session \(washoecounty.gov\)](#)).

The presentation covered:

- What is a BDA and what do they do?
- What types are there?
- When are they desired/applicable?
- What requirements/standards must be met?
 - ex: FCC Registration
 - ex: NFPA Standards

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- What minimum technical specifications are applicable to P25 BDAs

[Robert Allen, City of Reno, joined the meeting at 10:17 a.m.]

There was discussion of the need for and process to register devices with the FCC ([FCC Signal Booster Registration - Part 90 Class B Signal Booster Registration & Discovery](#)). The WCRCS team has been working with the local vendors to ensure awareness of the need to plan for the P25 system and to meet certification standards. There is also coordination to test the system in advance of the Fire Marshal's review prior to the issuance of a Certificate of Occupancy. A procedure is being developed to help smooth the process and eventually develop a map to help resolve signal issues. Both systems will be run in tandem for some time; once the old system is turned off, BDAs that haven't been upgraded will become useless; there have been issues with getting building owners to upgrade existing information.

Ms. Lawney shared that there have been unforeseen issues moving toward P25 implementation such as the impacts on click-to-enter boxes to access apartment complexes. The goal is to share with this group as they are encountered to help with the transition. It was planned to also provide a website with system information, vendor information and technical specifications and shell RFPs if possible.

Prior to starting the one-touch updates, the team is aiming to develop a standard starting personality to reduce the number of current personalities.

James Schmidt, City of Reno Fire Department, shared the Reno Fire code has been updated to adopt the NFPA BDA standard noting the huge safety impact. It is meant to be retroactive but currently is focused on new construction. For their click-to-enters, they have moved to a conventional channel with a shortcut though noting all sites had to be updated.

Tracy Moore, Reno-Tahoe Airport Authority, shared the importance to remember law enforcement radio coverage in addition to fire.

6. **LID (LOGICAL IDENTIFICATION NUMBER) STATUS UPDATE & RADIO COUNTS** [Non-action item] – An ongoing review and discussion on the issue of limited LID availability on the current contractual obligations of our end users and current remaining radio counts. Washoe County Regional Communication System. *Melissa Lawney, Washoe County Technology Services*

Melissa Lawney, Washoe County Technology Services reviewed her presentation reviewing the current status of LIDs sharing there continues to be less available than requested and that a minimum of twenty need to be held for the cutover. For any agency with staff that is largely stationary, with a reliable internet or cell phone connection may be candidates for the BeOn Mobile application. The application can be used on a PC, table, or phone though not currently recommended for iPhone users. Phone calls can't be made while using the application with phone and there is considerable battery draw. She reviewed the features of the application and provided a demonstration. It was unknown if bay stations could be moved to the app. BeOn licenses are half the price of a LID.

It was planned for an upcoming meeting to have a review of how to access the feature list for each type of radio and providing the feature codes to decipher the models that don't display the information clearly, such as the 75P and 75PE.


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Ed Atwell, UNR, suggested separately scheduled working sessions to allow people to meet and offered to help with securing a location large enough for group, if needed.



LID Status

- Remaining LIDS: 35
 - UNR
 - Issued 2 LIDS to DRI
 - Pending requests
 - TMFPD (15)
 - WCSO (26)
 - WC alternative Sentencing (2)
 - 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.
 - REQUEST for ALL agencies to free up LIDS**



Option to free up LIDS


Does your agency have users that spend most of the time at their Desk?
Does your agency have NON-PUBLIC SAFETY users that spend most of their day in cellular/WiFi/LTE covered Areas?

BEON® MOBILE APPLICATION

Public safety, defense, federal and commercial agencies rely on Land Mobile Radio Push-to-Talk (PTT) capabilities as a primary means for transmitting secure, mission-critical voice communications.

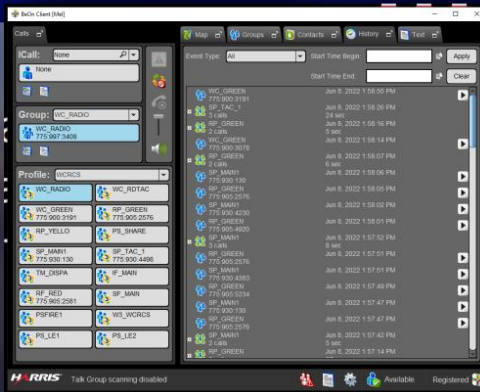
BeOn extends the capabilities of an LMR network to smartphones, tablets and PCs—providing secure PTT communications far beyond the boundaries of regional radio systems, and opening up affordable PTT communications to new user groups.





Option to free up LIDS

- Uses P25 UID
- Can be installed on Phone/Tablet/PC
 - Windows device or computer, Cellular device Android and iPhone.
- Works anywhere you have good cellular coverage, or WiFi (internet)
- Plays back missed radio conversations
- BeON Application half the cost of Radio LID for System costs (System buy on costs).



[Tracy Moore, Reno-Tahoe Airport Authority, left the meeting at 11:03 a.m.]

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7. **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 reviewing the System Status Update focusing on the Planned Outage Schedule to accommodate upcoming construction and equipment installations. Users will be emailed notice of the outages 72-hours prior to and the day of the scheduled outage; and, once built, a webpage will house the full schedule for reference. There will be coordination with the Dispatch PSAPs to avoid interfering with large police or fire events.



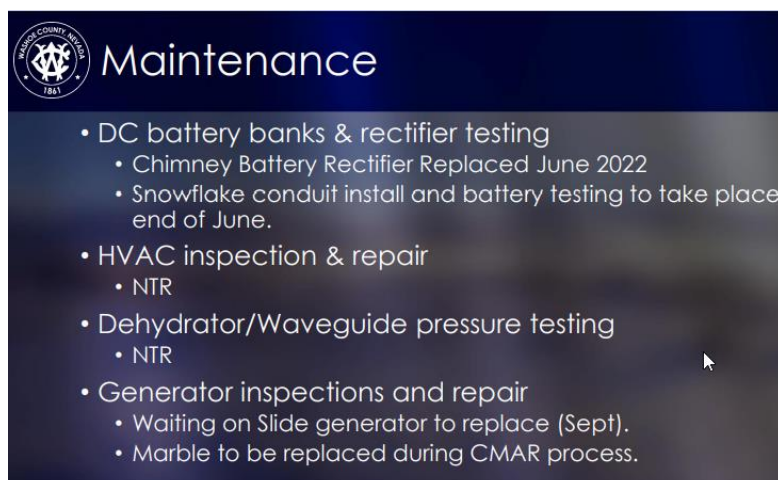
The slide is titled "System Status Update" and features the Washoe County Regional Communications System logo. It contains the following information:

- Planned Outages**
 - System & Site:**
 - Spectrum- Edison: July 9th-July 15
 - Ophir- Spectrum: July 16th-July 21st
 - Upgrade system to SR10A.7: July 19th
 - Slide – Ophir: July 22- July 27th
 - Slide – Mt. Rose: July 28th- August 3rd
 - Incline Snow Flake: Aug 4th- Aug 10th
 - Poito – Fox: Sept 13th- Sept 19th
 - Fox- Virginia: Sept 20th – Sept 26th
 - Virginia Peak – Peavine Springs, Spanish Springs, RSIC: Sept 27th- Oct 3rd
 - Peavine -Spark's Dispatch: Oct 4th – Oct 10th
 - Peavine – Cold Springs: Oct 11th- Oct 17th
 - Weather:** NTR
- Updates**
 - SUMS- Software updates conducted monthly

System & Site	Outage Period	Outage Status	Dispatch
Spectrum- Edison	July 9 th -July 15	No Outage Expected	
Ophir- Spectrum	July 16 th -July 21 st	No Outage Expected	
Upgrade system to SR10A.7	July 19 th	OUTAGE**	Dispatch
Slide – Ophir	July 22- July 27 th	No Outage Expected	
Slide – Mt. Rose	July 28 th - August 3 rd	OUTAGE**	Tahoe Region
Incline Snow Flake	Aug 4 th - Aug 10 th	OUTAGE**	Tahoe Region
Poito – Fox	Sept 13 th - Sept 19 th	No OUTAGE**	
Fox- Virginia	Sept 20 th – Sept 26 th	OUTAGE**	Gerlach/Pyramid Lake
Virginia Peak – Peavine Springs, Spanish Springs, RSIC	Sept 27 th - Oct 3 rd	OUTAGE**	Reno/Sparks/Pyramid/Cold
Peavine -Spark's Dispatch	Oct 4 th – Oct 10 th	OUTAGE**	Sparks Dispatch
Peavine – Cold Springs	Oct 11 th - Oct 17 th	No outage	

8. **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 providing updates on system maintenance.



The slide is titled "Maintenance" and features the Washoe County Regional Communications System logo. It contains the following information:

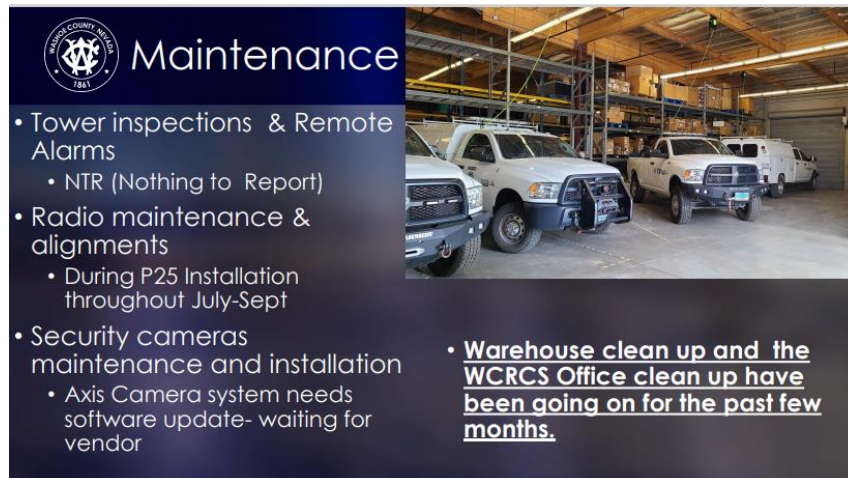
- DC battery banks & rectifier testing**
 - Chimney Battery Rectifier Replaced June 2022
 - Snowflake conduit install and battery testing to take place end of June.
- HVAC inspection & repair**
 - NTR
- Dehydrator/Waveguide pressure testing**
 - NTR
- Generator inspections and repair**
 - Waiting on Slide generator to replace (Sept).
 - Marble to be replaced during CMAR process.

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The slide features a dark blue background with a white list of maintenance tasks. To the right of the text is a photograph of a large warehouse interior with several white pickup trucks parked in the foreground and tall shelving units in the background. The slide title 'Maintenance' is in a large, white, sans-serif font. The list of tasks is in a smaller, white, sans-serif font. A note at the bottom right of the slide is underlined.

Maintenance

- Tower inspections & Remote Alarms
 - NTR (Nothing to Report)
- Radio maintenance & alignments
 - During P25 Installation throughout July-Sept
- Security cameras maintenance and installation
 - Axis Camera system needs software update- waiting for vendor

• Warehouse clean up and the WCRCs Office clean up have been going on for the past few months.

9. **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 September 15, 2022, 10:00 a.m.

- Ongoing item on BDA updates with vendor identification help

10. **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

Keith Mullen, City of Sparks, expressed his appreciation for Chris Ketrings (Truckee Meadows Fire Protection District) committee contributions.

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

The meeting adjourned at 11:33 a.m.

Approved as written in session September 15, 2022.