

Executive Director's Report for September 2022



TO: Board of Directors
FROM: Mike Fletcher, Executive Director
SUBJECT: September 2022 Board Report

The topics contained here should follow closely with the agenda.

Old Business:

Radio System:

Winter Prep:

- Radio site generator refueling for winter operations are scheduled.
- Radio site generator PM's scheduled for winter operations scheduled

Bald Hill Update:

- Tower Adjustment
- Equipment realignment

Meissner Construction:

- DW Civil Contract

Tower Acquisitions:

- Receipt of Towers

Education / Clarifications: 3 + months of mis-information

- Existing system – Coverage and Authority / Enforcement
- School in-building & exterior radio coverage
- Reported CAD issue – Rocky Point Road incident

What is the District doing to support the current system?

The District contracts with Day Wireless to conduct monthly PM's (preventive maintenance) at each of our sites.

This is a quarterly expenditure of **\$15,606.39**

An annual expenditure of **\$62,426.00**

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This does not include any service callouts as exemplified above or parts and materials or labor for service calls.

As both the user agency community and the Board of the 911 District continue to debate the best path forward to a new replacement system, I met with our radio vendor to seek their input on what would be in our best interest to keep this current system operational. Where are our vulnerabilities and in what order of importance?

My ask was broken down into separate buckets:

Radios – (Site Radios) – both TX & RX
Towers
Shelters
Generators
UPS
Antennas
Waveguides
Microwave
Dispatch Radio Consoles

The report came back with these recommendations:

- A. The radios at sites are as old and obsolete as the rest of the system but are easily replaced as there is an abundant supply of surplus radios that we use. It would be best to just replace them as the need arises.
- B. Towers - are all sound and adequate for their current load.
- C. Shelters – Other than Meissner that is in the process of being replaced, all other shelters are adequate. Both Corey Hill and Columbia Heights are at or near capacity, and Green and Clatskanie sites are with the most space available.
- D. Generators – All are adequate and functional.
- E. UPS – Same as above with Meissner being the most degraded but will be replaced with the new site build
- F. Antennas – Currently, all are adequate. The antennas are old and could be replaced, however RF Antennas are RF band specific. If the District will be moving to a different RF band (700 or 800) you as the District would expend a significant amount of money to just throw them away.

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Again, like the site radios, the District would be better served to replace them as needed.

- G. Waveguides – The cabling from the shelters up the towers to the antennas should be done whenever antennas are being replaced. Currently these components are adequate.
- H. Microwave – This is priority number 1. The current MW backhaul system is failing. It is a key component of our overall system. The District should continue its project of upgrading this system and if possible, expedite. Recommendation is to follow this priority routes.
 - a. Dispatch to Green
 - b. Meissner to Clatskanie
 - c. Clatskanie to Corey Hill
- I. Dispatch Radio Consoles – Currently C911 operates on Motorola GoldElite radio consoles. These devices were last manufactured in 2010 and support ended in 2018. They are exceedingly difficult to find spare (surplus) units even on EBay.

It is recommended to replace these as soon as fiscally possible.

Meissner Site improvements:

Day Wireless Systems civil work- \$454,357.11

Final civil contract work is wrapping up between the Districts and Day Wireless legal reps. The tower assigned for this site is being prepared for transport.

- Tow Contracts- No new update.
- Ambulance Service Area (ASA) – Assisting both the County Health officer and the Emergency Manager with the ASA process.

New Business:

- Board of Directors Chapter 4 – Requested edits
- Schedule for a special BOD meeting to take place early next week.