

Executive Director's Report for August 2022



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

The topics contained here should follow closely with the agenda.

Technical Manger Report:

06/08/22 CAD MS Updates:

At 0430 we had our first maintenance day (Microsoft updates) since being on the new servers. In the past, this process took about 25 minutes for CAD and another 20 minutes for CAD2CAD.

Today we were able to complete this entire process in **18 minutes combined**. Almost all services were back online within 4 minutes (dispatchers were able to log back in and CAD2CAD would have started working again) and the remaining 14 minutes were us confirming the 24 servers had all processes running. Next month we will streamline the confirmation process to further shorten the time.

Old Business:

Radio System:

- Dixie Mt –
 - Project is on hold.
- Clatskanie –
 - Nothing to report
- Cory Hill –
 - Nothing to report

Education / Clarifications: 2+ weeks of mis-information

- Existing system – Coverage and Authority / Enforcement
- CAD versus Radio – Premise History

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.

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

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

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

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- 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.

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 devises 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.

Dispatch Radio Consoles (Gold Elite):

The District is waiting for various vendors to review options and quotes for consideration. One quote has been received. – More to follow.

Meissner Site improvements:

Civil construction RFP (ITB) submissions closed and bids were opened on Tuesday 05/24. 3 official submissions were made. The following are the results.

T3 Construction -	\$804,500.00
Summit Solutions Group -	\$467,160.00
*Day Wireless Systems -	\$454,357.11

A technical review of all 3 bids was complete and there were no challenges to the bidding process.

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The District and Day Wireless conducted our project kick-off on 06/22 and have started the contract negotiations and review.

- Tow Contracts- No new update.
- Ambulance Service Area (ASA) – Assisting both the County Health officer and the Emergency Manager with the ASA process. Most recently Fitch & Associates have requested (& been provided) multiple SQL reports from CAD as well as GIS layers and additional system clarifications.
- Microwave work (Clatskanie to Columbia Heights):

Because of supply chain issues, the RFS antennas that were ordered are out 6 – 8 months. Because of this MNI is changing the order to comparable Andrews antennas which have a 3 month lead time (although we continue to push for earlier delivery). This gives us an install of August.

Should C911CD authorize the 3 new hops, MNI will add these to our order with a goal of a single installation project for all 4 hops.

New Business:

- Haven Acres / Microwave Issues (Foliage interference)
 - Initial conversations regarding site improvements
- Notification of new lease agreement – Equature
- Request for Authorization – Continuation of MNI Microwave upgrades
- CBA MOA