



June 23, 2021

Governing Board Communication

Agenda Item C-1

TO: MERA Governing Board
FROM: Andrew LeBlanc – Operations Officer
SUBJECT: Update on Gen 1 Risk Mitigation efforts

Discussion: The MERA Governing Board requested that County staff prepare a Gen1 System Maintenance and repair report.

Background: The County performs the operation and maintenance of the Gen1 System with support from manufacturer partners and suppliers. Due to the age of the Gen 1 system, DPW is sourcing additional spares to extend the network's life expectancy.

Quantar Network Spares:

The Quantars are the RF networking equipment that provides the transmission and receiving for the radio traffic at the RF sites. DPW is looking to source additional Station Controller modules, 4-wire audio, Receivers, Exciter, and Power amplifiers on the pre-owned market as there are limited spares available. A recommendation will be brought forward during the July operations meeting and then presented to during the July GB meeting

HVAC Upgrade (GEN1)

DPW is currently working with Matrix, the contractor for the HVAC Upgrades. DPW has issued POs and is currently developing a schedule for the installation work in Q3 / 21. Sites that will have their HVAC upgraded:

- Pt Reyes
- Stewart Point
- Dollar Hill
- Mt. Tam

ATS Upgrades:

Due to the global chip shortage, there is a long lead time on the ATS transfer panels of up to 24 weeks. DPW anticipates the first site, Dollar Hill, to receive the ATS upgrade in August, with the following sites scheduled after:

- Mt. Barnabe – Q4 - 2021
- San Pedro Ridge – Q4 - 2021
- Mt. Tiburon – Q4 - 2021
- Pt. Reyes – Q1 - 2022
- Big Rock – Q1 – 2022

Generator Refueling updates

New fuel sensors have been installed in the generators, which will trigger automatic refueling at 45% with the DPW fuel provider.

Sonoma Mountain

DPW completed the cutover to the Sonoma County microwave ring, which links BayHill to Sonoma Mountain. Cutover took place on April 13, and the link has been stable since

Removal of Bayloops microwave equipment – The County of Marin will remove the Bayloops microwave equipment from the Sonoma Mountain site. There is currently no traffic on these links. The County anticipates having equipment removed in late June.