



September 08, 2021

Executive Board Communication

Agenda Item C-1

TO: MERA Executive 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.

Communication Network Spares:

During the July 28th Governing Board, DPW was approved to purchase additional GEN1 spare equipment, totaling \$17,400 from Tempest Telecom.

Due to the outage at Mt. Barnabe on 07/30 and 07/31, DPW had to utilize some spare network cards held for contingency.

As a result of the postmortem, it was discovered that DPW did not have enough of the following cards to be able to support the MERA Gen 1 network:

- IMACS 2-Port Bus Connect CPU Cards
- Dual T1 Interface cards
- Single T1 WAN Cards

As the order was already being placed with Tempest, DPW added the cards as mentioned earlier to give a 10% overall network sparring. The revised total is 23,694.

The network spares are expected to arrive in San Rafael the week of September 13th

Motorola has provided DPW with additional spare Tensr Channel Bank cards for no charge to support the GEN1 Network.

HVAC Upgrade (GEN1)

All seven gen one sites that required HVAC upgrades have been completed as of 08/30/2021.

ATS Upgrades:

Due to the global chip shortage, there is a >24 week lead time on the procurement of the ATS transfer panels.

- Dollar Hill – Completed - 08/30/2021
- Mt. Barnabe – Q1 - 2022
- San Pedro Ridge – Q1 - 2022
- Mt. Tiburon – Q2 - 2022
- Pt. Reyes – Q2 - 2022
- Big Rock – Q3 – 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.