# MEMORANDUM

EUGENE WATER & ELECTRIC BOARD

Rely on us.

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| TO: | Commissioners Carlson, Mital, Helgeson, Schlossberg and Brown |
| FROM: | Rod Price, Chief Operations Officer |
| DATE: | November 5, 2019 |
| SUBJECT: | Major Event Preparedness – Electric, Water, Generation |
| OBJECTIVE: | Information Only |

**Issue**

We are approaching the winter storm season and EWEB has been working on preparing for a major weather event that would affect the electric system. As Resiliency and Disaster recovery are one of EWEB's primary areas of focus, we have been also preparing for major events in the Water and Generation systems. This correspondence is a brief status report of preparation activities for each of these operating divisions.

**Discussion**

EWEB staff have been working across the utility to improve our disaster recovery efforts as well as working on resiliency projects. In the Electric Division, we had a strong test of our restoration Incident Command System (ICS) process this past spring. While we did well from a process standpoint, we discovered a number of things to work on. In April we presented the After Action report to the board, which includes a number of recommendations for improvements. The Outage Management Core Team has been working on a number of those recommendations and just recently completed a Blue Sky electric outage drill that involved approximately 80 people from across EWEB. In addition to practicing our ICS process, we have been hard at work getting our GIS mapping system accurate and up to date, which will greatly increase our quality of information during outages as well as making updates to the GIS software and hardware to improve speed and reliability of the Responder tool. Other preparation work includes stocking warehouse to 150% with expected storm supplies updating our storm response personnel lists. On the resiliency side, we are completing our FEMA funded distribution projects to reduce outages and updating our upriver substations and feeder protection systems.

In the Water Division, we continue to prepare for water related events. In September, Water treatment staff participated in the Regional Water Provider Consortiums emergency water equipment drill and exercised our water treatment trailers. In October we are participating in a joint agency McKenzie River "MWERS Spill Drill" near Finn Rock and in November we are hosting a table top Oregon Water/Wastewater Agency Response Network (ORWARN) statewide emergency response drill. We continue to asses our water system preparedness and resiliency and starting our America's Water Infrastructure Act (AWIA) Risk and Resilience Assessment in October. Once that report is complete in Q2 2020, the Water Division will revise its emergency response structure and process to meet identified risks. And finally, we continue our emergency water station projects, with plans to

complete three more sites by end of Q1 2020.

In the Generation Division we have continued our work with the Dam Safety program to improve our emergency response by conducting a table top Emergency Action Plan drill for responding to a high flow dam safety event at Leaburg, which is planned for November 1. This drill will look at a canal embankment failure caused by extreme high winter flows into the canal. Leaburg plans also include preparing a "winter storm flow management plan" for the Leaburg canal in order to keep the canal water level as low as possible through the winter to help mitigate any potential failure modes since it's out of service. For the Carmen-Smith project, we have confirmed with FERC that we will operate the Carmen Diversion Reservoir this coming winter under the same operational parameters as last winter to minimize potential risks from the sink holes identified in the lake bed. We are also in the process of replacing and upgrading the debris boom at Smith Reservoir. The new debris boom is designed to keep all on reservoir debris away from the spillway structure under even the most extreme flood events. At the remote Stone Creek generation facility, we are in the process of adding cameras that will give us better information to respond to threats or failures at the facility as the station is unmanned.

**Requested Board Action**

No action required, informational only.