

**Present:** Nick Blom, MID  
Stu Gilman, Vice-Chair, MID  
Ted Brandvold, City of Modesto

**Absent:** Mani Grewall, City of Modesto  
Bill Zoslocki, Chairman, City of Modesto

**DOMESTIC WATER POLICY COMMITTEE**

Meeting Minutes  
July 11, 2019

**Item  
No.**

**1. Call to Order**

Mayor Brandvold called the meeting to order at approximately 8:31 a.m.

**2. Roll Call**

Roll Call was taken. A quorum was present.

**3. Public Comment**

None

**4. Approve Meeting Minutes – April 4, 2019**

Mayor Brandvold called for a motion to approve the minutes of the April 4, 2019 Domestic Water Policy Committee meeting. Moved by Committee Member Blom, seconded by Vice-Chair Gilman. Motion passed unanimously.

**5. Domestic Water Project Update (Jeremiah Loveland)**

Jeremiah stated the daily average delivery for the second quarter of 2019 spanning from April 1<sup>st</sup> through June 30<sup>th</sup> was 16.2 MGD from the conventional plant and 13.6 MGD from the membrane plant with average combined delivery up to 29.8 MGD. The plant had consistently met demand as requested from the City.

The study utilizing aluminum chlorohydrate (ACH) at the plant ended on June 30<sup>th</sup>. Preliminary data that was collected from the period of November 2018 – June 2019 has been sent to State for review. Pending approval from the State, ACH will be used on a permanent basis.

The engineering report for the first twelve months of membrane plant operation was submitted to the State in accordance with permit requirements. This report contained statistical data regarding water quality, plant performance, and any complications and subsequent resolutions. State representatives will review with the Water Quality Supervisor and Operations Supervisor in the coming months.

The water treatment plant experienced several power failures at about 3:00 a.m. on June 20<sup>th</sup>. After power was restored operators found that there was no power to the motor control center

in the treated water pump station where water is pumped from the plant to the terminal reservoir pump station. This caused the operator to shut down both plants. By 8:30 a.m. electricians were onsite and found faulty under voltage relay which was preventing a reset of the breaker to the treated water pump station. The under voltage was removed and the circuit breaker was reset. Also found was a damaged feeder management relay for one of the 12kV breakers. Electricians found that there was a hardware failure and the feeder management relay would have to be sent out for repair. This prompted removal of the management relay for the automatic transfer portion of the switchgear to allow delivery to resume. Delivery resumed at 10:00 a.m. During the outage communication with the City of Modesto was excellent. Tanks at Terminal Reservoir were not drained completely, but were allowed to go as low as 13 feet. The lowest the tanks may go and still have water pumped from them is seven feet. The reserve of six feet was kept with the intention of a possible emergency response such as a fire. The City of Modesto was able to maintain delivery to customers using their well system for the duration of the outage.

Further revealed during the outage was that as of December 2019 support for the switchgear components will cease. A meeting is scheduled with Hart High Voltage to discuss solutions and possible retrofitting to supported switchgear. Committee members asked if there is a plan for identifying further equipment at the plant that may become unsupported in the near future. The response is yes, in addition to the meeting with Hart High Voltage, a meeting with Generation is scheduled to determine what switchgear and other electronic components are consistent with the rest of the District.

Committee suggests contacting vendors to define equipment that may become unsupported in the near future. Although all equipment will become obsolete, it is mentioned that exercising prudence with the goal of not being in a reactionary mode is desirable. The relationship Jeremiah holds with Hart High Voltage and their industry equipment knowledge will assist the District with determining which equipment should be replaced. A reliability assessment with Hart High Voltage and Schweitzer Engineering will take place for switchgear components. Also desired from this assessment is determining the root cause of the power issues. However, power failures of this scope have only occurred twice in the past thirteen years.

Findings from the reliability assessment will be reported during the next Policy Committee meeting.

## **6. Proposed Future Policy Committee Meetings**

John Davids notes that the Amended and Restated Treatment and Delivery Agreement (ARTDA) requirements indicate that the Policy Committee must meet no less than twice per year. The October 3<sup>rd</sup> meeting will include an agenda item to consider the frequency of future Policy Committee meetings.

- April 2, 2020 8:30 a.m. (MRWTP Conference Room)
- October 1, 2020 8:30 a.m. (MID Board Room)

## **7. Adjournment**

The meeting was adjourned at approximately 8:55 a.m.