

**WESTERN HEIGHTS WATER COMPANY  
32352 AVENUE D  
YUCAIPA, CA 92399-1899**

REGULAR MEETING OF THE BOARD OF DIRECTORS

AGENDA

8:00 a.m. Friday, June 21, 2019

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CALL TO ORDER / PERSONS IN ATTENDANCE

1. PUBLIC COMMENT

2. APPROVAL OF MINUTES

May 15, 2019 Board Meeting

3. SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

Report - Ben Kelly

4. BOARD MEETING SCHEDULE

July Board Meeting – Recommend cancelling due to vacations  
August Board Meeting – Friday, August 16 at 8:00 am

5. GENERAL MANAGER'S REPORT:

a) Discussion Items

a. Budget Status and Financials – Exhibit 1

b. Water Sold

c. Asset Replacement Plan – Work continues on the asset replacement plan. We have gathered information on the assets including installation date, useful life, remaining life, and estimated replacement costs. Natasha Pevac, from Capital Objects who helped us with the rate study, is helping develop an asset replacement model. The model will help us determine how much we should be collecting each year for asset replacement. We are looking at each asset to determine the annual cost for that asset, then summing the annual costs for each asset to determine the annual assessment cost. The model will include the interest rate of return on monies we have in the bank, which accumulate and interest compounds; and it will allow us to make changes to remaining life and estimated replacement costs. I hope to have the model complete by the middle of August 2019.

d. Water System Model Update – Hillwig-Goodrow has completed field data collection for the water system elevations and they are currently processing the elevation information. They should have it to us by June 24. We have also gathered information from our SCADA system on hourly changes in water

demands. We will use this information to update the water system model, which will provide us a more accurate estimate of the system. We plan to have the model updated and ready to run future scenarios by the end of August 2019.

- e. Water System Improvements – We have begun installation of new magnetic flow meters and pressure transducers at each of the four booster sites. The magnetic flow meters are very accurate and very reliable, compared to the existing propeller meters. With the new meters and pressure transducers, we will be able to monitor through SCADA the total dynamic head and flow for each booster at 15- to 30-minute intervals throughout the day. This will allow us to select the best pumps for each location. My goal is to reduce energy consumption and improve reliability of the booster stations. The existing boosters work, but they are a weak link in our system. At Well 6, or 11<sup>th</sup> and D Street Booster, the pumps start too frequently, and they provide marginal flow and pressure to the upper part of the zone. The pumps at the North Booster, pump too high of a pressure, which wastes energy. The pumps at the South Booster are not a good hydraulic match for the system. They constantly oscillate on the flow curve at high head conditions. For all the boosters, the controls need to be changed. We are also installing a new magnetic flow meter at the YVWD connection and adding controls to modulate the existing pressure reducing valve. The pressure reducing valve is used to control flow into the system. When completed, we will be able to accurately monitor flow through SCADA, change the flow set point, and turn flow on and off as needed at specific times of the day.
- f. Yucaipa GSA Update – The next GSA meeting is Wednesday, June 26, 2019 10:00 am at the City of Yucaipa. The main topic of discussion will be potential groundwater recharge projects, and which projects to include in the groundwater model.
- g. Sanitary Survey – The Regional Water Quality Control Board was here June 6 for the sanitary survey update. They toured and inspected our facilities and reviewed and asked to see records about our water quality testing, asset replacement, budget and other things. The survey went very well. We were able to provide the RWQCB all the information they requested. So far all of their comments have been minor. We will get the results and recommendation in 60 to 90 days.

## 6. DIRECTORS' MATTERS

## 7. CLOSED SESSION

- a. General Manager's Annual Review