

## **STAFF REPORT**

**To:** Coastside County Water District Board of Directors  
via David Dickson, General Manager

**From:** James Derbin

**Agenda:** February 12, 2019

Report

Date: February 5, 2019

**Subject:** Crystal Springs Pump Control Valves

---

**Recommendation:** Authorize Staff to purchase three 12" Cla-Val Model 60-AN pump control valves, for a price of \$80,910 and hire Calcon Systems, in the amount of \$15,068 for conduit, wiring installation and PLC integration, for a total cost of \$95,978.

**Background:** The three 12" pump discharge check valves at the Crystal Springs Pump Station are currently leaking water back into the caisson when the pumps are off. These metal faced swing check valves were replaced in 2008 and started leaking again within two years. Staff has since attempted to repair the existing swing check valves with little success. In an effort to eliminate this leaking into the caisson, staff has developed a plan, with assistance from the local Cla-Val Sales Representative, to install new hydraulically operated diaphragm pump control valves to minimize water hammer upon shut down and eliminate the leakage.

District staff will install the valves and have Calcon follow up with wiring and integration. Cla-Val and Calcon staff will be present for startup and adjustment once they are installed.

Three quotes were solicited for the three valves with Core and Main as the lowest bidder at \$80,910 with tax and shipping.

**Fiscal Impact:** Cost of \$96,000. This project is not included in the approved CIP budget.