

# Plumas Eureka Community Services District

## Regular Board Meeting September 14,2022

### Agenda Item #6 Lift Station 7 Replacement

**Background:** As reported in the last two meetings, Lift Station 7 needs urgent repair. Failure will result in raw wastewater being spilled into the Feather River, which is classified as Wild & Scenic. The State issued the District a compliance order in 2017 to make repairs to the Lift Station following an overflow event. Another event could lead to fines from the state for the spill and compliance. Operations staff have replaced pumps on three separate occasions in the last few months. Currently, the lift station is operational with two working pumps, but the equipment is old and prone to failure.

**Progress:** Staff has been working with Farr West Engineering who are creating plans for the replacement project. A big challenge for the project is how to bypass the lift station in order to make the need repairs to the interior of the lift station. Engineers and pump specialists have found a solution to this challenge. Farr West and district staff have also identified the pumps that will be used in the lift station to replace the existing equipment. A quote for those pumps from CH Spencer is included in this agenda item. The equipment is similar to those used at WWTP 6 lift station project; the difference being these have larger duty point due to the Total Dynamic Head (TDH) and gallons per minute.

### Outline & Work Sequence

- The drawings are in the final stages of internal QA/QC review and should be completed today
- We have been working closely with a bypass pump supplier and determined that we will need a temporary sump to install the bypass pumping equipment
- This sump will be located in the easement next to the existing wet well and will be removed at the end of the project and backfilled
- We can start distributing the plans to contractors as soon as we receive approval from the District
- The start of the work will depend on how soon the District can procure the new pumps and accessories for the replacement.
- With all equipment available we anticipate the contractor will need 1-2 weeks to complete the project
- The sequence of work will probably be:
  1. Install bypass pumping system

2. Demo and salvage existing equipment in the wet well
3. Clean, repair and coat wet well
4. Install new pumping equipment
5. Remove bypass pumping system
6. Site restoration

**Recommendation:** Approval for purchase of replacement pump equipment and Information