

Olivehurst Public Utility District



Agenda Item Staff Report

Meeting Date: July 15, 2021

Item description/summary:

Update of available water capacity for the OPUD Plumas Lake system. This item has been discussed in committee. Water system capacity is based on engineered or design capacity. However, empirical data usually requires some adjustment to the capacity numbers. This capacity study will tell us what our current system capacity is for the Plumas Lake system and, based on current building rates, when we should construct the next system upgrade for additional capacity. Attached is a proposal from Jim Carson of Affinity Engineering for the study which will deliver a Technical Memorandum.

Fiscal Analysis:

Study to be funded from water capacity fee admin.

Employee Feedback

None

Sample Motion:

Move to approve the Plumas Lake water capacity study per attached proposal in the amount not to exceed \$9,600

Prepared by:

John Tillotson, P.E., General Manager

Olivehurst Public Utility District Plumas Lake Planning Review Proposal

June 14, 2020

Olivehurst Public Utility District (District) has requested a Planning Review (Review) related to available equivalent dwelling units (EDUs) for the Plumas Lake Water System (System).

Scope of Work

The scope of work for the Review will include the following:

- Documenting District's EDU Supply/Demand Criteria
- Obtaining and reviewing the maximum day water system demands over the last 5 years.
- Updating the available EDUs
- Provide recommendations on the next supply improvement required to increase available EDUs for development to continue

Schedule

The Planning Review can be completed within 1 month of receiving notice to proceed from the District.

Deliverables

Affinity will provide a draft Technical Memorandum (TM) for review by District Staff. A meeting will be held with the District to go over comments. Affinity will then finalize the TM by incorporating District comments. Affinity will provide the following:

- Draft and final TMs in PDF Format

Meetings

A meeting with District staff will be held to gather system water demand data related to the Plumas Lake Water System.

Assumptions:

Completion of this Technical Memorandum will not exclude Affinity from proposing on any future Plumas Lake Water System Improvements.

Fee Estimate

The total estimated fee is \$9,600 and is based on a time and material not to exceed without prior approval from the District. Reimbursable expenses and sub-consultants will be billed at cost plus 15 percent.

The project will be billed at the following rate schedule:

Affinity Engineering 2021 Rate Schedule	
Position	Rate (\$/hr.)
Senior Project Engineer	200
Senior Hydrogeologist	200
Project Engineer	175
Senior Designer	110
CAD Operator	90
Clerical	85
Sub-consultant fees and Reimbursable Expenses are billed at cost plus 15%	
Mileage cost is based on the IRS published rate plus 15%.	