



OLYMPIC VALLEY PUBLIC SERVICE DISTRICT BOARD REPORT



SUBJECT:	2026 Maximum Water Supply Assessment – Professional Services Agreement	EXHIBIT:	F-3, 4 Pages
AUTHOR:	Dave Hunt, District Engineer	MEETING DATE:	January 27, 2026

RECOMMENDED ACTION: Authorize the General Manager to execute a Professional Services Agreement with UES for preparation of the 2026 Maximum Water Supply Assessment in an amount not to exceed \$25,000.

DISCUSSION: Analysis of the capacity and reliability of the District’s water system to meet current and future water demands is a key factor driving the District’s ability to issue permits for new development. Placer County received a project application for the Granite View Condominium Project, which proposes constructing 19 hotel/condominium units, on-site parking and associated on-site and off-site infrastructure improvements. The County requires the project proponent to prepare an Environmental Impact Report and will require the District to comment on its ability to serve the project and ultimately to issue “will serve” commitments.

To make an informed commitment to serve the project, the District intends to prepare the 2026 Water Capacity and Reliability Study Update (CRS Update). This will help define the District’s capacity and reliability to serve additional new customers from existing supplies. The CRS Update will assess the ability to serve additional new customers based on annual water demands, peak monthly water demands, and maximum day water demands.

To support the District’s decision-making regarding its ability to serve additional customers with existing water supplies, the District proposes to contract with UES to prepare the 2026 Maximum Water Supply Assessment (MSA). The MSA aims to quantify the maximum groundwater supply available under current well field and demand conditions using the District’s most up-to-date groundwater model. The results will directly inform the CRS Update and provide the District with a clear basis for evaluating available system capacity and potential “will serve” commitments associated with the proposed development.

FISCAL/RESOURCE IMPACTS: The project developer for the proposed Granite View Condominium Project has agreed to reimburse the District for the cost of the study, which is \$25,000.

ATTACHMENTS:

- Proposal to Provide Maximum Water Supply Update – UES, January 7. 2026

DATE PREPARED: January 20, 2026

January 7, 2026

OLYMPIC VALLEY PUBLIC SERVICE DISTRICT

305 Olympic Valley Road
Olympic Valley, C 96146

ATTN: Mr. Dave Hunt, PE, District Engineer (dhunt@ovpsd.org)

RE: PROPOSAL TO PROVIDE MAXIMUM WATER SUPPLY UPDATE

Dear Mr. Hunt,

UES is pleased to provide hydrogeologic consulting services to the Olympic Valley Public Service District (District) to update the Maximum Water Supply (MWS) analysis for the Olympic Valley aquifer and District owned and operated wells. The MWS analysis was last updated in May 2016 by HydroMetrics WRI and utilized the 2015 updated numerical flow model of the Olympic Valley aquifer and existing well yields and limitations.

1.0 SCOPE OF WORK

The scope of work for the MWS update includes use of the 2015 numerical flow model, examination of limitations presented by single and multi-year drought conditions, and incorporation of current information on well capacities and maximum achievable well yields. Notable updates will include:

- Limitations on District Well 3.
- Well 2R pumping constraints review.
- Implications of pumping changes by the District and other primary water users (OVMWC, Everline, Palisades) in the past 10 years.
- Updated interpretations of well-specific maximum drawdown levels and minimum pump submergence requirements (integrate draft WMAP work).
- Review of maximum daily well capacities and the assumed maximum daily pumping volumes (prior estimates based on 17 hrs per day at max).
- Review factors to convert from model predicated aquifer drawdown to actual pumping water levels in the wells (integrate draft WMAP work).
- Consideration of water supply redundancy requirements.
- Review of supply in critical drought year and multi-year drought periods.

The 2015 numerical flow model is sufficient to be used for the update MWS analysis, since no additional pumping stresses (shift in pumping or additional municipal wells) are being simulated or analyzed. However, at some time in the future, the model should be updated to incorporate the past 10-years of additional hydrologic data. Climate change predictive modeling is not included in this proposed scope of work.

A report documenting the evaluation and results will be prepared for presentation to District staff and the Board. Given UES's current workload, we estimate that the MWS evaluation will require approximately 10 weeks to complete.

2.0 COST FOR PROFESSIONAL SERVICES

Professional hydrogeologic services will be provided on a Time and Expenses basis pursuant to the current OVPSD - UES Professional Services Agreement and our current Professional Fee Schedule, attached. The estimated cost for hydrogeologic services to complete the MWS update will not exceed **\$25,000.00**, unless additional work is requested and authorized.

3.0 CLOSING

We appreciate the opportunity to provide hydrogeologic services to the District, and we look forward to assisting with this analysis. Please reach out if you have any questions regarding the proposed scope of work. If this scope of work is acceptable, please forward authorization to proceed to me at dsmith1@teamues.com.

Sincerely,

UES

A handwritten signature in blue ink that reads "Dwight L. Smith".

Dwight L. Smith, PG, CHg
Principal Hydrogeologist



2026 SCHEDULE OF FEES – PROFESSIONAL SERVICES

Professional Fees

<u>Staff</u>	<u>Rate (per hour)</u>
Subject Matter Expert	\$325.00
Sr. 3 rd Party Review	\$275.00
Principal	\$265.00
Sr. Associate	\$220.00
Project Manager	\$205.00
Senior Professional	\$185.00
Project Professional	\$175.00
Staff Professional II	\$165.00
Staff Professional I	\$155.00
GIS Specialist	\$150.00
Environmental Scientist	\$140.00
Technician	\$120.00
Drafting	\$120.00
Engineering Intern	\$100.00
Administration	\$85.00

Note: Expert Witness Rate: 2 times normal billing rate

Equipment

<u>Description</u>	<u>Rate</u>
Oil/water interface probe	\$75/day
Multi-Meter w/Flow Through (Base)	\$115/day
- Each probe/sensor used	\$25/day
Water level meter	\$50/day
PH/Conductivity/Temp. meter	\$30/day
Dissolved Oxygen (DO) meter	\$30/day
Data logger/Transducer	\$125/day
PID/OVM	\$125/day
Generator	\$60/day
Bailers	\$12/each
Submersible/Peristaltic pump	\$50/day
Variable flow purge pump	\$100/day
Air sample pump & vacuum chamber	\$25/day
Air sample bag	\$15/each
Anemometer	\$35/day
Portable Bladder Pump + Controller	\$130/day
Sampling kit	\$15 each
GPS unit	\$110/day
Drone – Mapping	\$350/day
Drone – Heavy Lift	\$500/day

Reimbursable

<u>Description</u>	<u>Rate</u>
Mileage	per federal rates
Per diem	per federal rates
Subcontractors	cost + 15%
Utility trailer	\$75/day
Specialty Rental Equipment	cost + 15%