

Central Services
Joan Araujo, Director

Engineering Services
Anastasia Seims, Director

Roads & Transportation
Anitha Balan, Director

Water & Sanitation
Vacant, Director

Watershed Protection
Jeff Palmer, Director

October 8, 2024

Board of Ventura County Waterworks District No. 1
800 South Victoria Avenue
Ventura, CA 93009

Subject: Approval of, and Authorization for the Public Works Agency (PWA) Director to Sign, an Agreement with Trojan Technologies Group for the Procurement of Ultraviolet (UV) Disinfection Equipment and Related Support and Maintenance Services for the Moorpark Water Reclamation Facility UV Disinfection Modernization Project, in the Amount of \$1,158,430, Effective for Two Years Following Equipment Commissioning; Authorization for the PWA Director to Make Limited Amendments and Extend the Term of the Agreement; Supervisorial District 4.

Recommendations:

1. Approve and authorize the Public Works Agency (PWA) Director or designee to sign an agreement with Trojan Technologies Group (Trojan) for the procurement of ultraviolet (UV) disinfection equipment and related support and maintenance services for the Moorpark Water Reclamation Facility (MWRF) UV Disinfection Modernization Project, in the amount \$1,158,430, effective for two years following equipment commissioning (Agreement). (Exhibit 3)
2. Authorize the PWA Director or designee to approve limited amendments and modifications to the Agreement provided that any such amendments or modifications are consistent with the original purpose of the Agreement, do not result in new or additional costs to the County or Ventura County Waterworks District No. 1 (District), and are reviewed and approved as to form by County Counsel.
3. Authorize the PWA Director or designee to approve amendments or modifications to extend the term of the Agreement two times, up to 12 months each time, provided that any such amendments or modifications are consistent with the original purpose of the Agreement, do not result in new or additional costs to the County or the District, and are reviewed and approved as to form by County Counsel.



Fiscal/Mandates Impact:

Mandatory: No
Source of Funding: Proposition 84 Grant
Funding Match Required: No
Impact on Other Department(s): None

Summary of Revenue and Total Costs:

	<u>FY 2024-25</u>		<u>FY 2025-26</u>	
Revenue:	\$	118,971	\$	1,039,459
Costs:				
Direct	\$	118,971	\$	1,039,459
Indirect – Agency/Dept.				
Indirect – County CAP	\$	0	\$	0
Total Costs	\$	118,971	\$	1,039,459
Net Costs	\$		\$	0
Recovered Indirect Costs	\$	0	\$	0

Current Fiscal Year Budget Projections:

Current FY 2024-25 Budget Projection for Ventura County Waterworks District No. 1 - Unit 4305				
	Adopted Budget	Adjusted Budget	Projected Budget	Estimated Savings/(Deficit)
Appropriations	\$ 8,089,889	\$ 8,422,965	\$ 8,422,965	\$ 0
Revenue	\$ 12,238,300	\$12,238,300	\$12,238,300	\$ 0
Net Operating Gain/(Loss)	\$ 4,148,411	\$ 3,815,335	\$ 3,815,335	\$ 0

Sufficient appropriations and revenue are included in the FY 2024-25 adopted budget and will be included in the FY 2025-26 budget.

Discussion:

The Ventura County Waterworks District No. 1 (District) owns, operates, and maintains the Moorpark Wastewater Reclamation Facility (MWRF), which accepts and treats wastewater from the City of Moorpark and surrounding communities and provides recycled water to municipal, industrial, and agricultural customers. The MWRF currently meets the Title 22 requirements for disinfected tertiary recycled water. However, the



MWRF's current treatment processes result in elevated chloride concentrations in the MWRF's recycled water. Accordingly, the District assessed alternative disinfection technologies to replace chlorine disinfection. Based on a District feasibility study and assessment, open channel UV disinfection was selected as the preferred disinfection technology for upgrading the MRWF's treatment processes.

On May 30, 2024, the District issued a Request for Proposal (RFP) for the procurement of UV equipment to two vendors with the experience and expertise to manufacture and supply the District's preferred UV equipment. Proposals were received on July 12, 2024. After a thorough evaluation, Trojan Technologies Group (Trojan) was selected based on the quality of their product and their ability to meet the District's specific equipment/technology and installation requirements. The total cost of the agreement with Trojan is \$1,158,430 which includes \$988,000 for the design, purchase, assistance installing the UV disinfection equipment, and for two years' worth of related maintenance and support services; 7.25% taxes; and 10% contingency. Immediately following approval of the Agreement, Trojan will prepare and provide the District equipment designs and specifications. Delivery of the equipment is anticipated approximately 220 working days after approval of the Agreement. The new equipment will provide significant savings through avoided chemical purchase and maintenance cost. Additionally, open channel UV complies with applicable water quality regulatory requirements.

The installation and operation of the UV disinfection equipment are part of the District's 5.0 MGD Expansion Project. The environmental impacts associated with the 5.0 MGD Expansion Project were previously analyzed and determined to be less than significant in the "Final Focused Environmental Impact Report Moorpark Wastewater Treatment Plan 5.0 MGD Expansion Project," prepared in July 2001 and certified by your Board on September 25, 2001. No further environmental review under the California Environmental Quality Act is required.

Strategic Plan:

This item contributes to the Board of Supervisors (Board's) 2024-2027 strategic priority to provide:

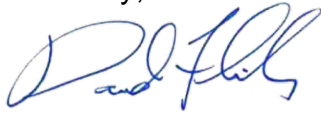
- III. Reliable infrastructure and sustainability through
 - 1. Maintaining and improving dependable public resources to serve the needs of our diverse communities.

This item has been reviewed by the County Executive Office, the Auditor-Controller's Office, and County Counsel.



If you have any questions concerning this item, please contact Christina Awad at (805) 378-3029.

Sincerely,

A handwritten signature in blue ink, appearing to read "David Fleisch".

David Fleisch, P.E.
Assistant Director

Attachments:

- Exhibit 1 – Vicinity Map
- Exhibit 2 – Location Map
- Exhibit 3 – Agreement

