



STAFF REPORT

Meeting Type: Board of Directors
Title: Seeger Dam Spillway Modernization Design and Alternatives Selection Project
From: Alex Anaya, Director of Engineering
Through: Ben Horenstein, General Manager
Meeting Date: September 1, 2026

TYPE OF ITEM: X Action Information

RECOMMENDATION: Approve award of professional services agreement, MA 6599, with Black and Veatch, for the Seeger Dam spillway modernization alternatives analysis and design of selected spillway alternative in the amount of \$4,848,171 with a staff requested contingency of \$730,000, for a total not to exceed amount of \$5,578,171, for the Seeger Dam Spillway Modernization Design and Alternatives Selection Project subject to final negotiation of contract terms and authorize the General Manager to finalize and execute the agreement

SUMMARY: The Seeger Dam Spillway Modernization Design and Alternatives Selection Project includes work to analyze, select, and design spillway modernization components at Seeger (Nicasio) Dam to bring the spillway up to modern, current day standards. Based on their subject matter expertise, familiarity with the District's system, and attention to detail, District staff recommends the District select Black and Veatch to proceed with the Seeger Dam Spillway Modernization Design Project and Alternatives Selection Project.

DISCUSSION: As a result of the 2017 Oroville Dam spillway failure, the Division of Safety of Dams (DSOD) has required dam owners to conduct condition assessments of concrete lined spillways similar to the Oroville spillway of certain capacity reservoirs. In response to DSOD requirements, the District hired a consultant in 2019 to conduct the Phase I condition assessment on the spillways of Peters Dam (Constructed in 1954 and raised in 1984), Seeger Dam (Constructed in 1961), and Soulajule Dam (Constructed in 1979). The condition assessments identified minor non-structural irregularities that required attention and were subsequently repaired with the Phase I Non-Structural Spillway Repair Project.

Following the first phase of the condition assessments, the District hired a consultant to conduct the Phase 2 condition assessment for a more in-depth evaluation of the spillways, which included using ground penetrating radar (GPR) to scan the spillway slabs to identify voids, drilling cores and probe holes through the spillway slabs to inspect the underside of the spillway slab and conducting sub-drain cleaning and video surveys of the sub drains. This work concluded in 2025 with the Phase II Condition

Assessment Reports for the three identified dams. Condition assessment reports were provided to DSOD. Following review, DSOD notified the District in May 2026, that the Seeger Dam underdrains are not performing as designed and need replacement along with other spillway components that were not designed to modern, current day spillway design standards.

The District issued a Request for Proposals (RFP) for the Seeger Dam Spillway Modernization Design and Alternatives Selection Project and posted to the District's Bids and Proposals website on July 14, 2026, with proposals due August 18, 2026. The District received two proposals, and an interview process was conducted on August 25, 2026. The selection committee consisting of District staff reviewed proposals and interviewed the two consulting firms with respect to responsiveness to the RFP, technical approach, relevant experience and qualifications, schedule, and cost.

Staff is recommending the Board approve a contract award to Black and Veatch, with a project team that has over 40 years of experience in the design and construction of major water supply projects with a focus on dam spillways and outlet works. The scope of work includes developing a rehabilitation plan to respond to DSOD by December 1, 2026, conducting alternatives analysis to aid in the selection of the superior design alternative, as well as completing design of the selected alternative, conducting any necessary environmental review and permitting in compliance with CEQA and/or NEPA. The consultant will also support DSOD coordination, and the pursuit of grant funding opportunities.

The proposal submitted by Black and Veatch provides a comprehensive approach based on their subject matter expertise, familiarity with the District's system from performing work on Spillway Modifications Alternatives and Selection Project, the Spillway Capacity Assessment, Local Hazard Mitigation Plan update, and attention to detail.

Budget:

Professional Services Agreement: \$4,848,171

Contingency (15%): \$730,000

Total Budget: \$5,578,171

Budget Category: A1A05

The alternatives analysis and design is scheduled to be completed in November 2029.

ENVIRONMENTAL REVIEW: Not applicable.

FISCAL IMPACT: The Seeger Dam Spillway Modernization Design and Alternatives Selection Project is funded in Fiscal Year 2026/2027 Adopted Capital Budget and will be in the upcoming five-year Capital Improvement Plan. As shown in the table below, the total cost for the agreement with Black and Veatch is \$4,848,171 with a staff requested contingency of \$730,000 for a total not to exceed amount of \$5,578,171

Task Description	Budget
Task 1 – Project Management and Coordination: This task includes project management activities including day-to-day administration, progress meetings, and technical reviews throughout the duration of the contract.	\$615,931
Task 2 – Data Collection and Pre-Evaluation Analyses: This task includes data collection and review; geotechnical exploration, evaluation, and design; hydrologic and hydraulic analyses; and surveying and mapping.	\$1,156,092
Task 3 – Alternatives Analysis and Preliminary Design Criteria: This task includes alternatives identification, evaluation, and selection, and development of preliminary design criteria.	\$288,100
Task 4 – Seeger Dam Spillway Design and DSOD Coordination: This task includes engineering design services for modernization to the spillway at Seeger Dam suitable for bidding and construction. This includes 30%, 50%, 90%, and 100% design documents. This task also includes coordination with DSOD.	\$875,155
Task 5 – Environmental Compliance: This task includes all work necessary for CEQA and, if needed, NEPA compliance in support of the Seeger Dam Spillway Modernization Project.	\$807,833
Task 6 – Regulatory Agency Permitting: This task includes development of a permitting plan, coordinating with all necessary regulators, and development of permit applications.	\$136,627
Task 7 (OPTIONAL) – Agency and Stakeholder Engagement: This task includes a stakeholder engagement plan and development of messaging.	\$95,340
Task 8 – Supplemental Tasks: This task includes water supply reliability and reservoir operations analyses, assessment of project delivery alternatives, and grant funding support.	\$514,522
2027 4% Labor Escalation	\$175,770
2028 4% Labor Escalation	\$182,801
Professional Services Agreement Total	\$4,848,171
Contingency (15%)	\$730,000
Total Authorized Amount	\$5,578,171

Staff is requesting the Board approve award of professional services agreement, MA 6599 with Black and Veatch, for the spillway modernization alternatives analysis and design of selected spillway alternative in the amount of \$4,848,171 with a staff requested contingency of \$730,000, for a total not to exceed amount of \$5,578,171, for the Seeger Dam Spillway Modernization Design and Alternatives Selection Project.

ATTACHMENT(S): None.

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Engineering	 Alex Anaya Engineering Director	 Ben Horenstein General Manager