



2/5/2025

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# Authorize the General Manger to Execute a Contract with WSP USA, Inc. for an Update to the Seismic Evaluation of Sweetwater Dam Outlet Tower and Conduit

Erick Del Bosque, P.E.  
Director of Engineering and Operations

# Background

- The outlet tower at Sweetwater Reservoir was constructed in 1888, and was constructed out of the same masonry as the dam. It is located inside the reservoir, about 40 feet from the base of the Sweetwater Dam, and is adjacent to the lower portion of the right abutment slope. The tower is about 100 feet high, from its foundation base to the top of its circular operating platform.
- This study is part of the Sweetwater Authority's Strategic Plan Detailed Work Plan.
- Failure of outlet tower could cause inability to use local surface water for treatment.



# Background

The objective of the study:

- Review and update the 2003 report titled “Seismic Evaluation of Sweetwater Dam Outlet Tower and Conduit”.
- Complete a conceptual level design and budgetary cost for strengthening the tower to the current governing standards (US Army Corps of Engineers, US Bureau of Reclamation, American Society of Civil Engineers).
- Compare rehabilitation cost versus the return period of the earthquake that could cause outlet tower failure
- Recommend Options - if strengthening the outlet tower is warranted based on acceptable risk. This study is not under the jurisdiction of the Division of Safety of Dams



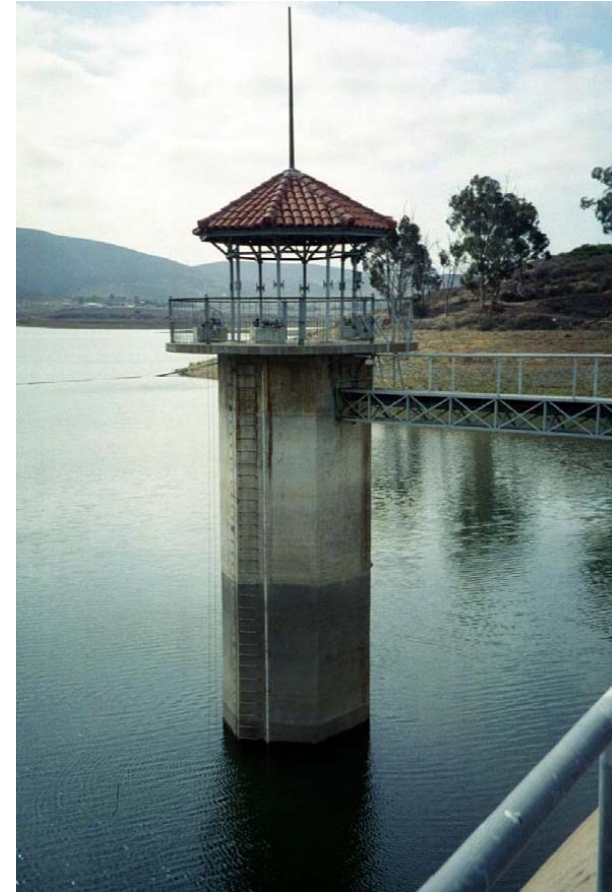
# Request for Proposals

To select consultant to prepare an Update to the Seismic Evaluation of Sweetwater Dam Outlet Tower, an RFP was advertised on 12/12/24 through Planet Bids and Authority's website. Proposals were due on 1/16/2025.

Bidder	Bid Amount
WSP USA, Inc.	\$286,378
KPFF Consulting Engineers	\$335,129

## Scope of Work:

1. Professional Engineering Services for an Update to the Seismic Evaluation of Sweetwater Dam Outlet Tower and Conduit
2. Project Management and Presentations to the Governing Board



# Request for Proposals

## Scoring Criteria:

Category	Maximum Points	Average Score for WSP	Average Score for KPFF
Approach to complete the report	60	58	55
Completeness of proposal in addressing requested information	10	10	10
Relevant qualifications and experience of the Respondent's personnel assigned	30	30	27

Proposal from WSP was ranked highest by staff. Their proposal shows a better approach and firm's experience for the type of project being considered.



# Fiscal Impact

The FY 2024-25 Budget allocated \$300,000 for the Project. Funds available under account no. 10-40-400-5650.

Update to the Seismic Evaluation of Sweetwater Dam Outlet Tower and Conduit	
Total project budget	\$ 300,000
WSP's proposed project cost <sup>1)</sup>	<u>\$286,378</u>
Project balance:	\$13,622
1) The RFP for this professional service was based on qualifications and not lowest bid; however, for informational purposes, the cost proposal from KPFF was \$335,129 for Option 2. Option 1 of KPFF's proposal has a higher cost of \$362,389 and it has a higher cost than Option 2 because it does not include reusing available data.	



# Options and Staff's Recommendation

1. Authorize the General Manager to execute a contract with WSP USA, Inc. for an update to the seismic evaluation of Sweetwater Dam Outlet Tower and Conduit for a not-to-exceed amount of \$286,378.
2. Authorize the General Manager to execute a contract with KPFF Consulting Engineers for an update to the seismic evaluation of Sweetwater Dam Outlet Tower and Conduit for a not-to-exceed amount of \$335,129.
3. Other direction as determined by the Governing Board.

**Staff recommends Option 1**



# Questions?

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