



# Staff Report

for the Board of Directors' Meeting, April 14<sup>th</sup>, 2021

**TO:** Board of Directors

**FROM:** Keane Sommers, P.E., Hydroelectric Manager *KSS*  
Dar Chen, P.E., G.E., Sr. Engineer - Dam Safety *D.C.*

**DATE:** April 7, 2021

**SUBJECT: FERC Part 12D Independent Consultant Safety Inspections of  
Twelve NID Dams**

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***HYDROELECTRIC***

## **RECOMMENDATION:**

Award a contract to McMillen Jacobs Associates in the amount of \$349,160 to complete the Federal Energy Regulatory Commission (FERC) required Part 12D Independent Consultant (IC) 5-Year Safety Inspection for twelve District Dams, and authorize the Interim General Manager to execute the appropriate documents.

## **BACKGROUND:**

Per Title 18 of the Code of Federal Regulation Part 12D, twelve of the District dams under FERC's jurisdiction are required to be inspected by an IC once every five years. In a letter dated October 8, 2020, FERC required that the District submit the next Part 12D IC Inspection Reports for the Yuba-Bear, Lake Combie, and Scotts Flat Projects, FERC Project Nos. 2266, 2981, and 5930, respectively, by March 1, 2022. The Part 12D process includes technical document review, field inspections of each dam, potential failure modes analysis updates, and preparation of the Part 12D IC Inspection Reports.

A request for proposals was sent to eight well qualified consulting firms on February 3, 2021. Proposals were due on March 19, 2021. Three proposals from five of the firms were received, and the other three firms indicated that they have other commitments and cannot support the District with this work. The three proposals were reviewed and ranked by a selection panel formed of four

management and staff members representing the Hydroelectric and Engineering Departments. The ranking was based on the following criteria:

- Team organization, experience, scope of services, project management, work quality assurance and control
- Project approach, insights, efficiency, costs, and value to NID

Proposals were reviewed without knowledge of the costs of service prior to considering the cost. The selection panel came up with a unanimous ranking of the proposals, which are summarized in Table 1.

Table 1: Consultant Ranking and Cost of Services

| <b>Consultant (Team)</b> | Gannett Fleming and Slate Geotechnical | GEI Consultants | McMillen Jacobs and W.D. Edwards Consulting |
|--------------------------|--|-----------------|---|
| <b>Rank</b>              | 3                                      | 2               | 1   |
| <b>Cost</b>              | \$548,448                              | \$578,788       | \$349,160                                   |

All of the three teams are well qualified and had demonstrated good approaches for the ICs inspections, while the team of McMillen Jacobs and W.D. Edwards Consulting shows an apparent edge in cost-effectiveness. Therefore, the team is recommended for the Part 12D IC Inspections.

This item is in alignment with Goal Nos. 1 and 2 of the District's Strategic Plan by inspecting critical infrastructure, analyzing and maintaining facility records, and maintaining compliance with Federal regulators.

**BUDGETARY IMPACT:**

The 2021 Hydroelectric Department Budget includes \$440,000 to cover the FERC Part 12D Inspections and the follow-up updates for the Supporting Technical Information Documents.