

Staff Report

for the Board of Director's Meeting on July 27, 2016

TO: Board of Directors

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

DATE: July 20, 2016

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

HYDROELECTRIC

RECOMMENDATION

Award a consulting contract in the amount of \$345,225 to SAGE Engineers, Inc. for Federal Energy Regulatory Commission (FERC) Part 12D Independent Consultant (IC) 5-Year Safety Inspections of twelve District dams as recommended by the Engineering Committee, and authorize the General Manager to execute the necessary documents.

BACKGROUND

Per Title 18 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 April 29, 2016, FERC required that the District complete the next IC inspections, another session of the potential failure mode analyses, update of the supporting technical information documents, and the inspection reports by March 1, 2017 for the 10 dams of Yuba-Bear Project. For administrative efficiency, Staff requested that the inspections and reporting for Scotts Flat and Combie Dams be completed at the same time.

A request for proposals was sent to three well qualified consulting firms in Northern California and one in Arizona. Four proposals were received, reviewed, and ranked by a selection panel formed of Management and Senior Staff. The ranking was based on the following criteria: team experience and resources, understanding of the 12 District dams and available documents, work quality and interaction with FERC, project approach and schedule, and overall value to the District. The

selection panel came up with a unanimous ranking of the proposals, which are summarized in the following table:

Firm	SAGE Engineers	GEI	Cardno	Gannett Fleming
Rank	1	2	3	4
Cost	\$345,225	\$351,162	\$313,264	\$453,890

SAGE Engineers demonstrated years of experience with similar work and a well thought-out, viable, project approach. Although they were not the lowest cost proposal, Staff believes they will provide the best value to the District. Staff noted that the Cardno proposal did not include at least one task that will likely be required which appears to be the reason their proposal was significantly less expensive.

BUDGETARY IMPACT

The 2016 Hydroelectric Department Budget included \$340,000 for dam safety related studies. There are adequate additional funds in the general Hydroelectric Department engineering services funds to cover the overage.

MDC