

Staff Report

for the Board of Director's Meeting, December 14, 2016

TO: Board of Directors

FROM: Gary D. King, Engineering Manager
Adrian Schneider, Senior Engineer

DATE: December 7, 2016

SUBJECT: Loma Rica Hydroelectric Facility Consultant Contract

ENGINEERING

RECOMMENDATION:

Cancel Task Order 3 with Brown & Caldwell in the amount of \$320,573 and award a contract to HDR, Inc. (HDR) for the Loma Rica Hydroelectric Design Project in the amount of \$587,900, and authorize the General Manager to execute the necessary documents.

BACKGROUND:

The District envisioned the Loma Rica Hydroelectric Project a part of the Lower Cascade project in 2010. The preliminary design of the Loma Rica Hydroelectric facility began in 2014 under contract with Brown & Caldwell. An initial preliminary design report included a facility location on County property just north of the District's canal (October 2014). After a necessary site relocation of the facility to NID owned property, a second preliminary design report was produced stating the continued feasibility of the project (May 2016). In August 2016 both the FAA and PG&E provided favorable review of the project location, and feasibility for connecting to the electrical grid. On September 7, 2016 the Board approved Task Order 3 (\$320,573) for the continued work by Brown & Caldwell to finish the project. In October 2016 Brown & Caldwell declined to continue with the remaining phase of the project. District staff then solicited proposals from other consultants.

The District sent out a Request for Proposals on October 25, 2016 to the following seven consultants: Tetra Tech, MWH-Stantec, Black & Veatch, NLine Energy, Mesa, HDR, and AECOM. The District received three proposals for the project on December 1, 2016 (NLine Energy, Mesa and HDR). The proposals included design, procurement, and construction support for the project. The anticipated completion date for the project is August 2018.

Based on the review from staff, HDR received the highest score (82% of 100% total) of the three proposals (attachment). HDR's proposal was significantly stronger in depth and scope versus the proposals from NLine and Mesa. NLine and Mesa predominantly re-wrote the needs

included in the District's request for quote and included little additional detail on how they would approach the project. HDR's proposal added more thought, and different approaches to the existing preliminary design submitted by Brown & Caldwell. The number of completed hydroelectric projects listed by HDR was also significant, as compared to the other two proposers.

The costs submitted by the three consultants were as follows: NLine - \$395,092; HDR - \$587,900; and Mesa - \$787,380.

BUDGETARY IMPACT:

HDR's cost will be included in the remaining 2016 Hydro Budget of \$1,301,076. The remaining 2016 budget minus HDR's cost is \$713,176 and is to be transferred via a budget amendment carry over for 2017 funds.

Attachments: Proposal Scoring Sheet

LOMA RICA HYDRO FACILITY PROJECT - SCORING SUMMARY

Item	Description		Consultants		
			Nline	Mesa	HDR
A	Overall Company's capabilities, expertise, related experience, references and size of staff	Averaged Total of 25%	16%	17%	22%
B	Design team's related experience, references, qualifications, expertise, and past performance with hydroelectric facility design & regulations	Averaged Total of 30%	19%	20%	26%
C	Understanding of the project's needs by reviewing the proposed work item task listing, schedule, and proposal response & thoroughness.	Average Total of 25%	15%	15%	21%
	Cost of Project (20%)	Quote	\$395,092	\$787,380	\$587,900
			20%	10%	13%

TOTAL AVERAGE SCORE 70% 62% 82%

Reviewers: Gary King, Engineering Manager; Keane Sommers, Hydroelectric Manager; Doug Roderick and Adrian Schneider, Senior Engineers; and Doug Hobbs, Associate Engineer.