

Staff Report

for the Board of Directors' Meeting of October 26, 2016

TO: Board of Directors
FROM: Gary D. King, Engineering Manager
Tonia M. Tabucchi Herrera, Associate Engineer
DATE: October 18, 2016
SUBJECT: Hydroelectric Communications Study and Master Planning Project – Award of Contract

ENGINEERING

RECOMMENDATION:

Approve the award to Leidos Engineering, LLC (Leidos) for consulting services for the Hydroelectric Communications Study and Master Planning Project (Project) in the amount of \$129,648 and authorize the General Manager to execute the necessary documents

BACKGROUND:

The Hydroelectric Communications Study and Master Planning Project is a portion of a phased project. The District proposes to upgrade the Supervisory Control and Data Acquisition (SCADA) for our Powerhouses. The SCADA proposal is scheduled to deploy by the end of the year with implementation starting 2017. The completed projects will improve operational efficiencies.

The current communication infrastructure will not meet the District's upgraded SCADA needs for remote communication and reporting from the powerhouses or any future needs for security cameras, corporate network data, voice, or other communication needs.

The goal of this project is to study the District's existing infrastructure; develop a master plan for a communication network to connect all powerhouse SCADA HMIs and LANs in the most secure and cost effective manner; and provide phased recommendations over five (5) years to complete these improvements.

The District invited fifteen (15) consulting firms to provide proposals on the Project. We received four (4) proposals and three (3) declines to propose. Attached is the summary matrix of the evaluations.

The independent staff evaluations ranked Leidos as the most favorable consultant as shown in the attached matrix. Leidos demonstrated a clear understanding of the Project; and necessary background and staffing to complete the Project.

Staff recommends award of the consulting services agreement to Leidos in the amount of \$129,648.

BUDGET IMPACTS:

The Project is currently budgeted in 2016 PH Computer/SCADA Upgrades #201502.

Proposal Evaluation Summary Sheet

Column Number	1	2	3	4	5	6	7	8
	Reviewer KS Ranking A-C	Reviewer PN Ranking A-C	Reviewer SW Ranking A-C	Reviewer TMTH Ranking A-C	Average of Ranking	Cost Rank (1-5)*	Weighted rank per cost	Final Rank
Leidos	2.5	2.6	2.9	2.525	2.63125	2	0.7	3.33125
Trimark	2	1.95	1.55	0.5	1.5	3	1.05	2.55
Aecom/URS	2.2	2.05	2.8	2.325	2.34375	1	0.35	2.69375
HDR	1.95	1.3	2.3	1.2	1.6875	4	1.4	3.0875

Cost	\$ 129,648.00
	\$ 127,915.00
	\$ 443,940.00
	\$ 82,945.00

* Costs were disclosed and reviewed after the proposals were ranked and reviewed in a discussion meeting. Costs were Ranked 1-5 with 5 being the lowest (or best) cost to follow the format of the A-C evaluation although there are 4 proposers. The cost was weighted 35% and added to the average rankings of criteria A-C (column 5 was added to column 7).