

Staff Report

for the Regular Meeting of the Board of Directors, March 8, 2017

TO: Board of Directors

FROM: Gary D. King, Engineering Manager *MDK*
Tonia M. Tabucchi Herrera, Associate Engineer *TMTN*

DATE: February 27, 2017

SUBJECT: Hydro-wide SCADA Upgrade Project – Award of Contract

ENGINEERING

RECOMMENDATION:

Approve the award of a sole-source contract to Open Systems International (OSI) in the amount of \$108,805.50 for the design and implementation of the Hydro-wide SCADA (Supervisory Control and Data Acquisition) Upgrade Project, and authorize the General Manager to execute the necessary documents.

BACKGROUND:

The Hydro-wide SCADA Upgrade Project is a portion of a phased project meant to improve operational efficiencies as well as overall monitoring and control of the powerhouses. Last year, a separate contract was issued for the Hydroelectric Communication Study and Master Planning Project which will layout the supporting communication infrastructure for the SCADA project that project is currently underway.

This phase of the project will upgrade the SCADA at three (3) powerhouses currently running OSI monarch software (Chicago Park, Dutch Flat #2, and Rollins). The remainder powerhouses will be upgraded at a future date with an additional cost.

OSI was contacted directly to provide a scope and cost to upgrade after Staff discussion of the existing system and evaluation of neighboring SCADA users' systems. Staff determined that the existing system was working well considering its age but was outdated and the version in use is no longer supported. Evaluation of the OSI monarch software proved that it is more of a turnkey product than others.

OSI is the only provider of installation and integration services of the OSI monarch software. Staff recommends a sole source contract with OSI in the amount of \$108,805.50.

BUDGETARY IMPACT:

The project is currently budgeted under Powerhouse Improvements – SCADA Upgrades (#201502). Total 2017 budget for the project is \$250,000. Additional costs to the project include the necessary hardware and potentially operating system software. Staff will be obtaining the necessary hardware and operating system software in-house for the project.

Future maintenance costs include yearly support fee, training, implementation of software upgrades, and periodic replacement of hardware.