

TO: BOARD OF DIRECTORS

REVIEWED: MARIO IGLESIAS  
GENERAL MANAGER



FROM: PETER V. SEVCIK, P.E. *PVS*  
DIRECTOR OF  
ENGINEERING & OPERATIONS

DATE: NOVEMBER 2, 2017

**AGENDA ITEM  
E-2  
NOVEMBER 8, 2017**

**AUTHORIZE TASK ORDER FOR  
SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM  
SERVER REPLACEMENT PROJECT**

**ITEM**

Authorize Task Order for Supervisory Control and Data Acquisition (SCADA) Server Replacement Project with Tesco Controls, Inc. in the amount of \$149,450 [RECOMMEND BY MOTION AND ROLL CALL VOTE ADOPT RESOLUTION AUTHORIZING STAFF TO EXECUTE TASK ORDER IN THE AMOUNT OF \$149,450 WITH TESCO CONTROLS, INC., AUTHORIZE CHANGE ORDER CONTINGENCY IN THE AMOUNT OF \$15,000, AND AMEND FY 2017/18 BUDGET].

**BACKGROUND**

In December 2011, at the conclusion of a Request for Proposal (RFP) process, the Board selected Tesco Controls, Inc. (Tesco) to provide process control and instrumentation system integration services for the District's Supervisory Control and Data Acquisition (SCADA) System Upgrade Project. At the time, the District's SCADA system monitored 27 remote sites including water wells, water storage tanks, water pressure reducing stations, sanitary sewer lift stations and both of the District's wastewater treatment plants. The purpose of the project was to upgrade the District's obsolete SCADA system. Since the original SCADA project was completed, Tesco has added the upgraded Southland Wastewater Treatment Facility (WWTF) to the SCADA system as well as the Supplemental Water Project facilities including the Joshua Road Pump Station, the Blosser Road Flow Meter Station, the Santa Maria Vista Way Pressure Reducing Station and the Chloramination Facilities constructed at five of the District's Wells.

The SCADA system computer server hardware is now about five years old and needs to be replaced in order to install the latest updated SCADA system software. Staff requested that Tesco provide a proposal to furnish replacement SCADA servers, install and configure updated SCADA system software, and upgrade network cyber security provisions in accordance with current guidelines established by the Department of Homeland Security and American Water Works Association. Staff also requested that Tesco include SCADA programming to integrate real-time monitoring of the existing radio telemetry network which will help significantly in the troubleshooting process of communication related issues. Tesco provided a proposal with a not to exceed amount of \$149,450.

Tesco programmed and is currently supporting the District's SCADA system. In order to maintain the integrity of the District's SCADA System, minimize the potential for multiple system integrators simultaneously working on the District's SCADA System, and minimize the coordination risk/expense to the District, staff recommends that the SCADA Server Replacement Project be completed by Tesco. In accordance with the District's Purchasing

Policy, Tesco is uniquely knowledgeable and qualified because it has previously provided similar/related services to the District.

**FISCAL IMPACT**

The approved FY 17-18 budget includes funding in the amount of \$50,000 for the SCADA Server Replacement Project. A budget adjustment from reserves in the amount of \$115,000 is required to provide adequate funding for the project as follows:

Fund 805, Water Funded Replacement	\$ 75,900
Fund 810, Town Sewer Funded Replacement	\$ 25,300
Fund 830, Blacklake Sewer Funded Replacement	\$ 13,800
Total	\$115,000

**STRATEGIC PLAN**

Goal 2. FACILITIES THAT ARE RELIABLE, ENVIRONMENTALLY SENSIBLE AND EFFICIENT. Plan, provide for and maintain District facilities and other physical assets to achieve reliable, environmentally sensible, and efficient District operations.

**RECOMMENDATION**

Staff recommends that the Board, by motion and roll call vote, adopt Resolution 2017-XXXX SCADA Server Replacement, authorizing staff to execute a Task Order for the SCADA Server Replacement Project with Tesco Controls, Inc. in the amount of \$149,450, authorize a change order contingency in the amount of \$15,000 and amend the FY 17/18 Budget.

**ATTACHMENTS**

- A. Resolution 2017-XXXX SCADA Server Replacement

November 8, 2017

ITEM E-2

ATTACHMENT A

**NIPOMO COMMUNITY SERVICES DISTRICT  
RESOLUTION NO. 2017-XXXX**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE NIPOMO COMMUNITY SERVICES DISTRICT  
AUTHORIZING A TASK ORDER FOR THE SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM  
SERVER REPLACEMENT PROJECT WITH TESCO CONTROLS INC.**

**WHEREAS**, Tesco Controls, Inc. was previously selected by the District to provide SCADA integration services for the SCADA System Upgrade Project and completed the implementation of the SCADA System Upgrade Project; and

**WHEREAS**, the District selected Tesco Controls, Inc. to provide SCADA integration services for the Southland WWTF Phase 1 Improvement Project to maintain the integrity of the District's SCADA system; and

**WHEREAS**, the District selected Tesco Controls, Inc. to provide SCADA integration services for Supplemental Water Project to maintain the integrity of the District's SCADA system; and

**WHEREAS**, the SCADA system computer server hardware is now about five years old and needs to be replaced in order to install the latest updated SCADA system software; and

**WHEREAS**, to maintain the integrity of the District's SCADA System, minimize the potential for multiple system integrators simultaneously working on the District's SCADA System, and minimize the coordination risk/expense to the District, staff recommends that the SCADA Server Replacement Project be completed by Tesco Controls, Inc.; and

**WHEREAS**, District Purchasing Policy Resolution 2010-1201 provides for the procurement of professional services through non-competitive negotiations in limited situations; and

**WHEREAS**, Tesco Controls, Inc. is qualified pursuant to Section 8.4.30 of the District's Purchasing Policy, the cost of the services is reasonable, and Tesco Controls, Inc. is uniquely knowledgeable and qualified because similar/related services have been previously provided to the District.

**NOW THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED BY THE NIPOMO COMMUNITY SERVICES DISTRICT BOARD OF DIRECTORS AS FOLLOWS:**

- 1) The above recitals are true and correct and constitute findings for the exclusive use of the Tesco Controls, Inc. to provide professional services for the SCADA Server Replacement Project.
- 2) The Board of Directors does hereby direct District staff to execute a Task Order for the SCADA Server Replacement Project with Tesco Controls, Inc. in the amount of \$149,450 and authorizes the General Manager to approve change orders for a not-to-exceed total aggregate amount of \$15,000.
- 3) The Board of Directors does hereby authorize a budget adjustment of \$75,900 from Fund 805, Water Funded Replacement, \$25,300 from Fund 810, Town Sewer Funded Replacement, and \$13,800 from Fund 830, Blacklake Sewer Funded Replacement to provided adequate funding for the Project.

On the motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, and on the following roll call vote, to wit:

**AYES:**

**NOES:**

**ABSENT:**

**CONFLICTS:**

The foregoing resolution is hereby adopted this 8th day of November 2017.

**NIPOMO COMMUNITY SERVICES DISTRICT  
RESOLUTION NO. 2017-XXXX**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE NIPOMO COMMUNITY SERVICES DISTRICT  
AUTHORIZING A TASK ORDER FOR THE SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM  
SERVER REPLACEMENT PROJECT WITH TESCO CONTROLS INC.**

\_\_\_\_\_  
**DAN ALLEN GADDIS**  
President, Board of Directors

ATTEST:

APPROVED AS TO FORM:

\_\_\_\_\_  
**MARIO IGLESIAS**  
General Manager and Secretary to the Board

\_\_\_\_\_  
**WHITNEY MCDONALD**  
District Legal Counsel