

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 13, 2011

Board Item: V-E-3

Consulting Agreement with RSI Company for SCADA System Upgrades

Action by Consent

Action

Information

The Board entered into a letter agreement with RSI Company in March of 2007 to support SCADA operations throughout Denver Water facilities. That contract was allowed to expire in 2010 in order to implement the safety sensitive portions of Denver Water's current consulting agreement. The new consulting contract, 13517A, is a two year agreement for RSI Company to provide upgrades, improvements and support for the SCADA System software and hardware.

RSI Company specializes in the three main software packages used in Denver Water's SCADA system: Genesis32 by Iconics which is used to develop the HMI (Human Machine Interface) computer screens for the operators of the treatment plants and the water distribution system, and ACCOL II and Controlwave Designer software packages which are used for programming the computerized controllers. For the past 4 years RSI Company has assisted Denver Water in expanding the capabilities of the SCADA system. Examples of the continued improvements include implementing a redundant HMI system for Water Control, installing a 'computer health' program that monitors and reports issues with critical pc's, restructuring databases for faster searching and reporting capabilities, and programming several (6+) upgraded computerized controllers.

Denver Water has over 300 computerized controllers which are located at pump stations, vaults, treatment plants, and reservoirs. Approximately two thirds are over 20 years old and becoming obsolete, requiring an upgrade over the course of the next 5-10 years. For the next two years, RSI Company will continue to assist Denver Water in ongoing efforts to upgrade SCADA system controllers and associated software.

Budgeting Information:

Contract previously budgeted and approved by the Board 10847A (2007-2010): \$186,400.00

Current contract 13517A (2011-2013): \$168,000.00

Items are budgeted under MPC 4HE0002 Telemetry & Process Control as a Professional Service.

Recommendation:

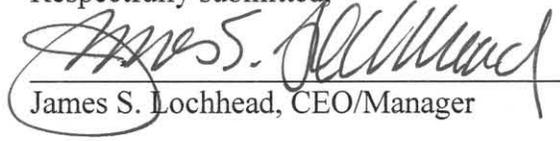
It is recommended that the Board approve the consulting agreement 13517A with RSI Company for additional services in 2011-2013, in the amount of \$168,000.00.

Approvals:



Thomas J. Roode, Director of Operations & Maintenance

Respectfully submitted,



James S. Lochhead, CEO/Manager



Patricia L. Wells, General Council