



# City of Huntington Beach

**File #:** 19-745

**MEETING DATE:** 7/15/2019

## REQUEST FOR CITY COUNCIL ACTION

**SUBMITTED TO:** Honorable Mayor and City Council Members

**SUBMITTED BY:** Dave Kiff, Interim City Manager

**PREPARED BY:** Travis K. Hopkins, PE, Director of Public Works

**Subject:**

**Approve and authorize execution of Amendment #1 to the Professional Services Agreement with Enterprise Automation for On-Call Engineering Services for Water and Wastewater Supervisory Control and Data Acquisition (SCADA) system in the amount of \$300,000 and extending the term one year**

**Statement of Issue:**

Submitted for City Council approval is Amendment #1 to the Professional Services Agreement with Enterprise Automation for on-call engineering services for Supervisory Control and Data Acquisition (SCADA) Systems.

**Financial Impact:**

Funding in the amount of \$300,000 is contained in the approved Fiscal Year 19/20 budget; including \$260,000 in Water Fund Professional Services account 50685801.69365 and \$40,000 in Sewer Service Fund Professional Services account 51185201.69365.

**Recommended Action:**

Approve and authorize the Mayor and City Clerk to execute "Amendment No. 1 to Agreement Between the City of Huntington Beach and Enterprise Automation for On-Call Engineering Services for Water and Wastewater SCADA System."

**Alternative Action(s):**

Deny approval of the amendment.

**Analysis:**

The City's SCADA system monitors and/or controls the City's groundwater wells, reservoirs, pump stations, imported water connections, flood control pump stations and sanitary sewer lift stations. This allows staff to remotely monitor and/or modify the operation of 67 key water and wastewater facilities 24 hours a day, and alerts staff of any potential problem(s) so they can be addressed immediately to minimize the possibility of system disruptions.

Enterprise Automation (Enterprise) was awarded a three year contract in July of 2016 to provide the City of Huntington Beach with “As Needed” programming and engineering services related to managing and maintaining the water and wastewater SCADA systems. Services included but are not limited to:

- Design assistance with SCADA system reports and programming thereof.
- Ongoing security updates and periodic security audits.
- SCADA system functional upgrades.
- Provide new or modify existing Programmable Logic Controller (PLC) programming.
- Ongoing equipment optimization, monitoring and maintenance.
- Guidance regarding software upgrades.

As part of the Water Production SCADA Replacement Design Project, the City and Enterprise discussed new SCADA architectures and software packages and their use in other similar utility environments. This discussion was driven by two main factors:

- The entire water production SCADA system, which had been in use since 2000, needed to undergo extensive reprogramming due to age and frequent programming and maintenance issues.
- The annual license renewal and software product support costs had become very expensive.

The City and Enterprise evaluated three SCADA software packages and concluded that VTScada was substantially less expensive than the current SCADA package and had all of the features and functionality needed for the City’s SCADA system. Licenses for VTScada have been obtained and a pilot site has been developed and is communicating with Edwards reservoir.

The contract amendment is necessary to extend the term of the current professional services agreement by one year to complete the VTScada programming and installation.

**Environmental Status:**

Not Applicable

**Strategic Plan Goal:**

Non-Applicable - Administrative Item

**Attachment(s):**

1. Amendment #1 to Professional Services Agreement with Enterprise Automation