

**CITY OF SANTA PAULA
MEMORANDUM**

To: Honorable Mayor and Members of the City Council

From: John Ilasin, Interim Public Works Director

Subject: Approval of Amendment to Professional Services Agreement with E.D.G.E. Technologies, LLC for the SCADA Conversion Project

Date: July 17, 2017

Recommendation: It is recommended that the City Council: (1) Authorize the City Manager to execute an amendment to the Professional Services Agreement with E.D.G.E. Technologies, LLC for consulting SCADA services for \$39,738.00 in a form approved by the City Attorney; and (2) Take such additional, related action that may be desirable.

Report by: John L. Ilasin, Interim Public Works Director/City Engineer

Fiscal Impacts: The amendment will be funded from the approved Fiscal Year 2017/2018 Capital Improvement Program budget Account 620.5.9300.209 (Water Enterprise Fees). The process of purchasing the amendment is in accordance with SPMC § 41.17 (Professional Services).

Personnel Impacts: None.

General Discussion: On October 3, 2016, the City Council authorized the City Manager to execute a Professional Services Agreement with E.D.G.E. Technologies, LLC. The original scope of services is performing conversion of the supervisory control and data acquisition (SCADA) system to Ethernet capability including microwave feasibility and design, 4.9 GHz FCC Licensing, and 4.9 GHz modem configuration and installation.

The amendment proposes additional work to upgrade the SCADA server and associated software. The reason for the additional work is because the current SCADA server reached its design life. The recent SCADA system hardware and software upgrades would not be able to run if the existing SCADA server were to fail. The SCADA system provides the ability to monitor operational parameters at remote water facilities and to adjust physical controls at those facilities in a timely manner, in most cases without the need for onsite personnel. A complete failure of the SCADA server would not only be a significant amount of down time to the entire SCADA system, but also a critical inability to basically remote monitor water transport, distribution, and

For the Regular Meeting of City Council on July 17, 2017

Agenda Item # 3.10.G

treatment. Upgrade to a new SCADA server would prevent this potential catastrophic event.

The total cost of the Professional Services Agreement to date is as follows:

Contract Type	Contract Number	Description	Amount
Professional Services Agreement	17-10548	Performing conversion of SCADA system to Ethernet capability including microwave feasibility and design, 4.9 GHz FCC Licensing, and 4.9 GHz modem configuration and installation	\$97,375.09
First Amendment	17-10612	Install 4.9GHz radio equipment to connect Well 11 and Well 13 in radio new radio system and configure the sites into iFix	\$14,200.56
Second Amendment	17-10613	Install 4.9GHz radio equipment to connect PLC communications from 600 Zone Booster Pump Station into new radio system and configure the sites into iFix	\$6,905.89
Third Amendment	17-10618	Case Tank and Canyon Booster Pump Station Media Converters, Reconfigure Terracina Booster Pump PLC, Reconfigure 600 Zone Booster Pump Station; Add SCADAPAC to Anderson Tank	\$8,793.12
Fourth Amendment	17-10620	Server Rack and 911 Service Installation Configuration, PLC Battery Replacement, and iFix and PLC Configuration	\$5,580.00
Total			\$132,854.64

In consideration of the recommended amendment herein, the total cost of the Professional Services Agreement would now be \$172,593.03.

Alternatives:

- A. Approve recommendation
- B. Deny recommendation
- C. Provide staff with additional direction

For the Regular Meeting of City Council on July 17, 2017

Agenda Item # 3.10.G

Attachment: Proposal by E.D.G.E. Technologies, LLC dated June 6, 2017

Attachments:

EDGE Technologies_SCADA Conversion_Addl Work Proposal_6-6-2017