

DATE SUBMITTED 5-8-2019  
 SUBMITTED BY Public Services  
 DATE ACTION REQUIRED 5-15-2019

**Agenda Item No** H.6  
 CITY COUNCIL ACTION (X)--11-1  
 PUBLIC HEARING REQUIRED ( )  
 RESOLUTION ( )  
 ORDINANCE 1<sup>ST</sup> READING ( )  
 ORDINANCE 2<sup>ND</sup> READING ( )  
 CITY CLERK'S INITIALS JS

**IMPERIAL CITY COUNCIL  
 AGENDA ITEM**

<b>SUBJECT: DISCUSSION/ACTION: update to SCADA system at the water plant</b>	
DEPARTMENT INVOLVED: Public Services e Water Plant	
BACKGROUND/SUMMARY The SCADA system at the water plant is in need of backup equipment and software upgrades to track and maintain the required data. SKM is the builder and currently maintains or modifies the system for the city. Staff received a quote from SKM for the needed work.	
FISCAL IMPACT \$30,500.00	
STAFF RECOMMENDATION: Approval	
MANAGER'S RECOMMENDATION:	MANAGER'S INITIAL _____
MOTION:	
SECONDED:	APPROVED ( ) REJECTED ( )
AYES:	DISAPPROVED ( ) DEFERRED ( )
NAYES:	
ABSENT:	REFERRED TO:



**SCOPE OF SERVICES PROPOSAL**

**TO:** Fernando Viesca  
**FROM:** Adam Russell  
**RE:** Imperial WTP – SCADA Server Update

Per the request of Imperial WTP, we are providing this proposal to provide SCADA support by replacing the primary server, backup server, and updating SCADA software.

**1. Cost Breakdown**

This project will be performed on a time and materials basis not to exceed the amount shown below in accordance with the scope of work described above. Any additions or variations to the work are subject to additional costs.

- a. Primary Server with Microsoft SQLServer - \$5,000
  - i. Dell R340 Rackmount Server
  - ii. Hot Plug Hard Drives
  - iii. Intel Xeon E-2134 3.5GHz
  - iv. 32GB DDR4 RAM
  - v. RAID 1 with two Mix Use 480GB SSD
  - vi. Dual Port NIC
  - vii. Dual Hot-plug Redundant Power Supply
  - viii. Windows Server 2016 Essentials
  - ix. SQL Server Standard 2017 with 5 Device CAL's
- b. Backup Server - \$3,500
  - i. Dell R340 Rackmount Server
  - ii. Hot Plug Hard Drives
  - iii. Intel Xeon E-2134 3.5GHz
  - iv. 32GB DDR4 RAM
  - v. RAID 1 with two Mix Use 480GB SSD
  - vi. Dual Port NIC
  - vii. Dual Hot-plug Redundant Power Supply
  - viii. Windows Server 2016 Essentials
- c. Inductive Automation software update - \$17,000
  - i. Update Ignition from version 7.7.8 to 7.9.10
  - ii. Renew Basic Care Contract
- d. Technician on site for three days plus travel - \$5,000

Task Information					Cost
Task #	Description	EIT/Controls Engineer	Software Costs	Equipment Costs	
1	SCADA Update	\$5,000	\$17,000	\$8,500	\$30,500