

2016 WATER SYSTEM SCADA & Technology Upgrades

<u>TASK</u>	<u>DESCRIPTION</u>	<u>COST</u>
Conduit	Installation of PVC conduit to carry the fiber	\$ 160,000.00
Fiber	Pulling of fiber within the conduit to each location	\$ 50,000.00
Network Equipment for each well	Installation of ruggedized switches and power converters at each location for connection to alarms and fiber	\$ 65,000.00
Security Cameras	Replacement of 2 cameras at the West plant, and installation of new cameras and associated equipment at the East plant	\$ 23,000.00
SCADA hardware/software upgrades	Purchase and installation of required computers and SCADA software	\$ 127,325.00
Signal boosters	Installation of signal boosters at the treatment plants for improved signal and increased range	\$ 37,500.00
Alarm & SCADA integration	Installation and configuration of equipment to SCADA	\$ 450,000.00
TOTAL		\$ 912,825.00