

Water Plant SCADA

<p>Background</p>	<p>The City of Bowie owns and operate a water and sewer utility that serves approximately 7900 customers within the City. Water that is delivered to these customers comes from the City’s Water Filtration and Treatment Plant.</p> <p>The plant was originally constructed in 1960. Although several improvements have been made at the plant over its life, the communication and control systems are outdated. These systems allow plant operators to monitor water levels in tanks, control remote well pumps and remote pressure pumps, and monitor water quality parameters. Communications systems currently rely on antiquated telephone line technology which experiences frequent failures and which has become increasingly difficult to maintain and repair.</p>
<p>Project Scope</p>	<p>The scope of this project includes:</p> <ul style="list-style-type: none"> • replacement of antiquated phone line communication systems with either radio or cellular communications; • design and implementation of digital control systems for the monitoring and control of critical system components (such as well pumps, tank levels, and system pressure); • implementation of hardware and software to provide a modern ‘Supervisory Control and Data Acquisition’ (SCADA) system to allow for real time monitoring and processing of critical operating data, and for automated control of systems.
<p>Project Manager</p>	<p>Name: George Stephanos Phone: 301-809-2336 email: gstephanos@cityofbowie.org</p>
<p>Total Project Cost</p>	<p>The current estimated cost of this project for all planning, design and installation is \$350,000.</p>
<p>Design Consultant</p>	<p>RK&K</p>
<p>System Integrator</p>	<p>Competitive proposals for installation will be sought.</p>
<p>Anticipated Installation Date</p>	<p>The implementation of new systems will occur in phases. Installation is anticipated to occur during late calendar year 2018 and late calendar year 2019.</p>

**Images /
Attachments**



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Last updated: 5/14/2018