Job Title:	**Water Utility SCADA and Automation Technician – 6503**
Closing Date:	Open until filled
Salary:	The full compensation range for this position is $32.7640 – $50.0082/hour, with an anticipated hiring range of $40.00 - $45.00/hour.
Job Type:	
Location:	, Naperville, Illinois
Department:	

Job Description:

The City of Naperville's Water Utility is currently looking for an Automation & Communication Technician to play a vital role in programming and maintaining Supervisory Control and Data Acquisition (SCADA) systems. This role involves tasks such as systems modification, installation, testing, troubleshooting, and repair to ensure the continuous and reliable operation of wastewater pump/lift stations, wastewater treatment & water supply sites, elevated tanks, ground reservoirs, and emergency ground water wells.

Responsibilities include:

- Performs skilled programming, corrective, and preventative maintenance on the Water Utility's SCADA system computers including servers, radio and cellular communication systems, HMI programming, VFD trouble shooting, and control systems.
- Troubleshoots and resolves SCADA programming problems and writes programs for new or enhanced SCADA functions. Assists in troubleshooting system-wide issues by tracing failed function from source to destination.
- Troubleshoots routine network and telecommunications hardware and devices including servers, routers, and switches. Resolves or refers to the City's IT staff.
- Documents programming source code and testing and upgrade work performed. Develops technical documentation for user support. Organizes and stores all documentation on system servers.
- Provides technical support in developing SCADA screens for the purpose of monitoring operational processes and field equipment. Makes routine software changes and works with analysts and operators to test system performance.
- Maintains licenses for all software used in PLC programming. Maintains technical library materials. Stays current on industry changes and security advisories related to software and hardware.
- Programs, maintains, and upgrades process controls from PLC ladder logic to field equipment for water/wastewater treatment and critical power distribution systems. Installs, calibrates, and troubleshoots control system components and related instrumentation.
- Upgrades, maintains, and ensures consistent, reliable operation control systems including PLCs, power monitors (PM), protective relays, HMIs, VFDs, and RTUs.
- Installs, configures, and troubleshoots data communications equipment for critical SCADA, RF, Cellular, and plant PLC networks. Assists in installing multi-platform interfaces.
- Installs, services, and conducts preventive maintenance on the water utilities remote communications facilities and telecommunications systems including 900 MHZ systems, cellular systems, and SCADA systems. Sets up and manipulates alarm and alarm paging programs as needed.
- Assists in the development and installation of new programs for system upgrades and/or expansion.
- Maintains equipment inventories for asset management purposes. Recommends replacement schedules for equipment and evaluates new equipment.
- Maintains awareness of cybersecurity and physical security concerns related to SCADA systems and equipment. Capable of interfacing with IT and/or other City departments to address concerns.
- Programs and generates a variety of reports on system operations for end users.
- Responds to emergency situations as necessary, including after hours. Overtime is required.
- Observes and complies with all the water utility's mandated safety rules, regulations, and protocols.
- Performs installation, maintenance, calibration, and troubleshooting of process instrumentation, including sensors and probes.
- Performs all other related duties as assigned.

Qualifications:

- A high school diploma or equivalent.

- One to three years of experience using SCADA software such GE iFix SCADA, Wonderware software, Allen Bradley PLCs, and related items.
- A good understanding of computer systems of all types, including SCADA systems.
- Proficiency with Microsoft Office suite.
- Any combination of experience and education that provides the required knowledge and abilities is qualifying, along with the specific licenses/certifications related to Rockwell and GE iFix SCADA products.
- A valid State of Illinois Class D driver's license.
- Preferred candidates will possess an Associate's Degree in Electrical Automation or a related field and have experience with water/wastewater SCADA and automation.

Additional Information:

The City of Naperville, Illinois is a dynamic community of 149,000 residents, conveniently located 28 miles west of Chicago. Various publications have named Naperville as one of the best cities in the United States in which to live. The City has gained national recognition for our family-friendly environment, excellent schools and library system, low crime rate, and vibrant downtown area. It's also a great place to work! Our municipal government employs over 900 dedicated individuals in a wide range of job categories and provides a collaborative working environment, a forward-looking leadership team, and a competitive benefits package.

APPLY ON-LINE AT:
http://www.naperville.il.us/careers/

Applications should be completed thoroughly, and resumes will not be accepted in lieu of an application but should be attached to the application. Include all requested education, experience, attachments, and other information when applying. Incomplete applications are subject to rejection. Notifications to applicants will be sent electronically to the email address provided in the application.

THE CITY OF NAPERVILLE IS AN E. O. E.
CLICK HERE for the City of Naperville's EEOP Utilization Report
The City of Naperville complies with the Americans with Disabilities Act (ADA). Individuals needing accommodations in the recruitment process should notify Human Resources in advance at (630) 305-7066.