Position Title: SCADA Analyst
Pay Grade: PRO.PB6

Department: Water Resources
Bargaining Unit: PRO

Employment Status: Full-time
FLSA Status: Exempt

Revised Dates: W/C Code: 8810

Established Date: 4/2018
EEO Category: Professionals

Supervisory Work: Not Applicable
EEO Code/Name: 0206 Computer Specialist

Job Overview Summary:
This is professional, technical, operational and analytical work involving developing and maintaining Supervisory Control and Data Acquisition (SCADA) systems for the City’s Water Resources Department. Employees in this position are expected to be able to perform any and all work tasks and comply with any work schedules, attendance, or duty requirements which may be established by City or department rules, or applicable union contracts. Work is reviewed by a technical supervisor through conferences, observation, analyses of reports and evaluation of results achieved.

Note: The following duties are illustrative and not exhaustive. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position. Depending on assigned area of responsibility, incumbents in the position may perform some or all of the activities described below.

Duties:
- Maintains and updates the SCADA system to ensure uninterrupted operation; troubleshoots SCADA, real-time data, and control systems.
- Assists in the design, development and implementation changes to the SCADA system to support operational changes and engineering projects.
- Participates in the development and support of Wonderware System Platform, and Historian using software and hardware systems in an enterprise wide manufacturing environment.
- Maintains standards for SCADA system and ensure application to capital upgrade projects.
- Maintains system change management processes staying within customary audit practices.
- Builds the SCADA data-bases to acquire data from remote programmable logic control sites and work with Control Center personnel to design and implement graphic displays to support pipeline operations.
- Creates scripts, reports and troubleshooting skills using VB.Net and SQL queries.
- Works closely with various personnel on a daily basis and responds to their urgent systems needs.
- Investigates, evaluates and recommends hardware, software, or service required to repair, replace, enhance, update or improve the SCADA environment; may coordinate with vendors for product support, as assigned.
- Works with communication vendors and internal support personnel to quickly resolve data communication problems during outages.
- Updates software and software configurations as needed to maintain system integrity.
- Assists in writing documentation as needed to support job functions.
- Identifies issues related to coordination with other utilities and municipal service providers and provides information to management.
- Performs related work as assigned.

Minimum Qualifications:
Graduation from an accredited four-year college or university with major course work in electrical engineering, computer science, Information Technology or related field, supplemented by formal training at a recognized technical or vendor sponsored training school. Progressive experience in PLC programming with Function Block and Ladder Logic, SCADA and ICS commissioning, design, or operations, is preferred.
Knowledge and Skills:
- Considerable knowledge of the principles, techniques and practices of SCADA design setup and its hardware and software applications.
- Knowledge in the area of system and network security.
- Skill in organizing and integrating information from a variety of sources.
- Ability to prepare reports and records.
- Ability to communicate clearly and concisely, orally and in writing.
- Ability to analyze and solve complex problems.
- Ability to work under stressful conditions and persevere on long projects and complicated problem resolutions.
- Ability to effectively establish and maintain effective working relationships with employees, outside agencies, vendors, and the public, as necessary.

Required Responsibilities:
Successful demonstration of cultural competence, work standards, quality work product, productivity, and job knowledge are standard expectations for all City staff and employees.

Core Competencies:
- Analysis
- Continuous Learning
- Customer Focus
- Decision Making
- Initiative
- Planning and Organization
- Problem-Solving

Necessary Special Requirements:
Possession and maintenance of a valid State of Florida Driver’s License. If assigned duties require the use of a personal motor vehicle, an automobile insurance policy that meets the minimum requirements of liability established by the State of Florida for property damage and personal injury coverage must be maintained.