



City of Aurora,
Colorado

SCADA Project Engineer



THE CITY

Situated on prairie grasslands, rolling hills and the Black Forest's northern tip, Aurora offers something for every lifestyle, from convenient urban living to master-planned communities. Aurora is a close-knit community with excellent services and amenities. With Buckley Air Force Base, the Anschutz Medical Campus, Fitzsimons Innovation Community, and other major employment centers, the city has thriving aerospace, defense, bioscience, health care, and distribution industries. Aurora is also a global community. People from around the world live, work and have businesses throughout Aurora, creating a culturally rich environment and one of the city's greatest assets.

Long known as the Gateway to the Rockies, this All-America City lies on the eastern edge of the Denver-Aurora metropolitan area. The city boasts spectacular views of the Front Range spanning from Pikes Peak to Longs Peak. And, if you need to travel locally or abroad, Aurora's proximity to three major highways, light and commuter rail lines, and Denver International Airport makes it accessible and a short commute to the world.

More than 386,000 residents and 10,000 businesses choose to call Aurora home, making it the third largest city in Colorado and the 51st largest in the United States. The city covers 160 square miles and is located within three counties, Arapahoe, Adams, and Douglas, with 74 square miles of land inside city limits still undeveloped. Aurora's diversity as a majority-minority city, where no one ethnic group is the majority population, is reflected in its many ethnic and independent restaurants and thriving arts scene.

Aurora provides access to quality education, with five school districts and nine campuses of higher learning meeting the instructional needs of residents and those beyond the city limits. Aurora is the only place in Colorado where students can get a Doctor of Medicine degree.



Aurora's climate is mild and dry, offering residents and visitors ample opportunity to get outside, stay fit, and enjoy all that Colorado living has to offer. Aurora has five golf courses, two reservoirs, more than 97 parks, and over 4,000 acres of open space and trails. Situated at the foot of the Rocky Mountains, Aurora is a gateway to all Colorado has to offer.

Why Work for Aurora?

- Make a difference in the lives of real people everyday
- Diverse Community
- Competitive total compensation package
- Well-Funded General Employees Retirement Plan (aka pension plan)
- Telework options available
- Flex schedules for qualifying employees
- On-site fitness center and overall employee well-being programs
- Internal educational programs to assist with career advancement

For further information, please visit the city's website at www.auroragov.org.

It is an exciting time to work for the City of Aurora, we're growing and looking for dedicated and collaborative individuals to join our team of talented and valued employees. Excellent organizations have a set of core values that are used to implement their mission and vision. As an excellent organization, the City of Aurora demonstrates our excellence by modeling the CORE 4 Values of **Integrity, Respect, Professionalism and Customer Service**.

To learn more, go to:
www.auroragov.org/city_hall/core_4_values

POSITION OVERVIEW

Aurora Water is responsible for providing life sustaining services to the residents, visitors and businesses of Aurora. We plan, design, operate and maintain the drinking water, sanitary sewer and storm drainage systems throughout the City. Our major infrastructure includes three potable water treatment facilities (totaling over 200 million gallons per day), a reclaimed water treatment facility and over three dozen pump stations, lift stations and major PRVs. Aurora Water's mission is to enhance and protect the quality of life for Aurora citizens by providing safe, dependable and sustainable water, sewer and stormwater services, today and in the future.



The SCADA Project Engineer position will support the SCADA Senior Engineer to provide subject matter expertise and implementation on SCADA related projects including treatment plants, pump stations, PRVs and other remotely controlled and monitored facilities in the department. Provide high-level skilled and technical field services for capital projects with Instrumentation and Controls (I&C) systems, Supervisory Control and Data Acquisition (SCADA) systems, network systems, radio systems, motor control equipment, security, and electrical systems. ***This position is eligible for a signing bonus, along with the opportunity for a remote/hybrid schedule for candidates that live within the Aurora/Greater Denver area.***

Key Areas of Responsibility:

- Conduct Programmable Logic Controllers (PLC) and Human Machine Interface (HMI) programming workshops, Factory Acceptance Testing (FAT) and Site Acceptance Testing (SAT) for Aurora Water projects.
- Contribute at project related meetings, such as but not limited to kick-off, design, planning, and progress meetings.
- Provide detailed technical reviews, and quality assurance/quality control on submittals for conformance to Aurora Water SCADA standards regarding plans, specifications, tag naming conventions, Programming Code (PLC, OIT, and HMI), Instrumentation, Communications, Networks, PLC panel construction, and associated wiring.
- Work with the Technical Operations group in the review, testing and construction of highly complex instrumentation, controls, electrical, electronic, pneumatic, security, motor control, and telemetry systems for the Aurora Water Department.
- Provide detailed technical review of submittals and associated field inspections of complex electrical (primary electrical feeds / ARC Flash / etc.), communications, network, and security systems
- Coordinate with Owners and field technicians for on-site commissioning and installation support
- Provide field services (reviews/inspections/ etc.) for new construction, renovation, or improvement projects.
- Assist in the development of punch lists and coordinates with the Technical Operations group, Owner, Contractor, and Project Manager to verify completion of the punch list.
- Interface with other departments, employees, and outside consultants regarding system capabilities, functions, programs, and applications.
- Assist in the review, development, and maintenance of the department's SCADA Design & Engineering Guidelines and the SCADA Master Plan, in coordination with the Technical Operations group.



- Stay current on technical issues relative to the position
- Identify and learn appropriate software and hardware used and supported by the organization

CHARACTERISTICS OF THE IDEAL CANDIDATE

The ideal candidate must have extensive knowledge of NEC and PLC / HMI programming and development. Candidates must have the ability to read and understand PLC code, plans, schematics, and specifications, as well as the principles of process control, electronics, electrical equipment, networks, HMI hardware (servers, switches, radios, hubs, fiber optics, etc.) and related computers. This ideal professional must be an attentive listener and an outstanding communicator with exceptional interpersonal, analytical, written, and verbal communication skills. It is also critical that this individual has the ability to handle multiple projects simultaneously, uses good judgment in prioritizing work assignments, focuses on attention to detail and has a quality work ethic.

MINIMUM QUALIFICATIONS

- Bachelor's Degree in Civil or Electrical Engineering, Computer Science, or a directly related field
- At least four (4) years of related experience in designing, programming of PLC's, and/or performing FATs / SATs for industrial SCADA systems
- Four (4) years demonstrated engineering experience with instrumentation and controls, HMI, systems integration, industrial electronics, industrial computer systems, PLC's, or intelligent distributed controls preferred
- Experience in a customer support role with direct customer interaction preferred





APPLICATION PROCESS AND RECRUITMENT SCHEDULE

To be considered for this exceptional career opportunity, submit your résumé, cover letter, and a list of six work-related references (who will not be contacted without prior notice) **Open Until Filled**. Please submit your materials to: <https://www.cpshr.us/recruitment/2117> .

For additional information about this position please contact:



KYLIE WILSON / RACHAEL DANKE
CPS HR Consulting
kwilson@cpshr.us / rdanke@cpshr.us
Website: www.cpshr.us

Resumes will be reviews by the consultant and sent to the city for further consideration. Candidates deemed to have the most relevant qualifications will be invited to interview with the city. Media checks, and a comprehensive reference and background check will be performed on final candidates.

- Experience with water or wastewater chemical processes, pumps, valves, instrumentation, and hydraulics preferred
- **Preferred**, but not required, registration as Professional Engineer (PE) with the State of Colorado or ability to obtain through reciprocity from another state within 6 months of employment

An equivalent combination of education, training, and experience that demonstrates the required knowledge, skills, and abilities may be considered.

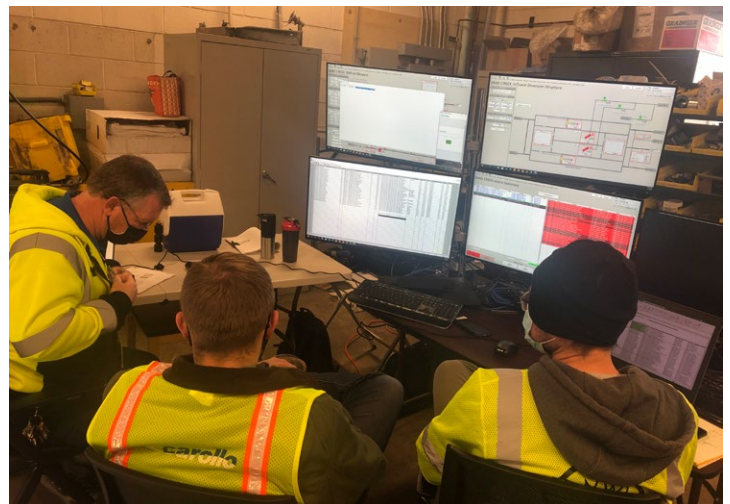
COMPENSATION AND BENEFITS

The hiring range for this position is **\$94,251 - \$117,814** annually.

*** New employees are eligible for a \$5,000 signing bonus; with \$2,500 paid on the first pay period, and \$2,500 paid upon successful completion of the 6-month introductory period.**

*** This position is eligible for remote/hybrid work opportunities for candidates that live within the Aurora/Greater Denver area.**

Starting salary to be commensurate on the qualifications and experience of the successful candidate. The City also offers an attractive benefit package. To learn more, go to: <https://jobs.auroragov.org/benefits>



AURORA
WATER

