



**City of Aurora,  
Colorado**



**AURORA  
WATER**

# **Project Engineer Modeling**

## ◆ 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 54th 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
- Light rail stations minutes away
- On-site fitness center and wellness programs
- Internal educational programs to assist with career advancement
- Access to innovation workspaces and remote work opportunities

For further information, please visit the city's website at [www.auroragov.org](http://www.auroragov.org).

## ◆ GOVERNANCE

The City of Aurora is a full-service city governed by a council/manager form of government, which combines the political leadership of elected officials with the managerial expertise of an appointed local government manager. The Aurora City Council is comprised of the mayor and 10 city council members. Of those 10 members, six members represent one of the six wards that section the city. The remaining four members are elected at-large, like the mayor, to represent the city. The city of Aurora has 30 boards, commissions, committees and authorities composed of citizen volunteers appointed by the Aurora City Council. The City Manager is appointed by and reports to the mayor and City Council.

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 principles, or core values, that are used to implement their mission and vision. Those values represent the touchstone for the organization, guiding the decisions of the individuals and the organization. At the City of Aurora, we demonstrate our excellence by modeling the CORE 4 Values.

## THE CORE



**Integrity**  
**Respect**  
**Professionalism**  
**Customer Service**

"Aurora is built on a set of four core values that are used to carry out our mission and vision. As ambassadors, each and every [employee] respects these principles as the cornerstone of our city. We hold ourselves accountable to them, and we use them to guide the decisions we make."

To learn more, go to:  
[www.auroragov.org/city\\_hall/core\\_4\\_values](http://www.auroragov.org/city_hall/core_4_values)



- Operate the T&D and sewer system models to answer operations and planning questions in support of various staff and divisions including management, operations, water resources, planning, development review, and engineering
- Coordinate directly with GIS/CMMS team for information required for modeling efforts and import of updated infrastructure
- Plan, initiate, and manage calibration of individual models at a regular frequency
- Apply basic engineering knowledge to read, review, and understand construction drawings and engineering reports, as well as provide training and professional/technical assistance for internal staff model users
- Initiate and manage consultant contracts as required, including the development of scopes of work and budgets, negotiating contracts with consultants, and coordinating activity involving multiple divisions

## ◆ POSITION OVERVIEW

Aurora Water is responsible for the operation and maintenance of the drinking water, sanitary sewer and storm drainage systems, treatment of drinking water and non-potable reclaimed wastewater for irrigation, billing and collection, public outreach and water conservation, acquisition and development of future water rights, major capital projects programs, and quality control for regulatory compliance and public health.

The **Project Engineer – Modeling** position will be responsible for pipeline hydraulic modeling, as well as a variety of engineering and technical tasks primarily supporting the Aurora Water Department. These responsibilities generally include maintaining the models in the specialty area (see below), updates, perform department modeling as requested by management, operations, water resources and/or engineering staff. This position may also be required to manage consultant contracts for model support services. ***This position is eligible for a flexible/remote work schedule!***

### Key Areas of Responsibility:

- Oversee and/or directly perform the development, update, and maintenance of the pipeline hydraulic models representing the water transmission and distribution system (T&D system), raw water system, reuse system, as well as the wastewater collection system (sewer system), presently the models are in InfoWater and InfoSewer, for the Department

## ◆ CHARACTERISTICS OF THE IDEAL CANDIDATE

This is a great opportunity for a highly proficient professional with vast experience in hydraulic modeling. The ideal candidate must be a technical expert with proven success working on pipeline hydraulic modeling and participating in master planning projects to support infrastructure sizing, location, and timing requirements to meet hydraulic and water quality needs. This leader will be continually seeking best practices and exploring innovative technology advancements and processes for Aurora's continued growth and development. Vast experience and proficiency in hydraulic modeling platforms such as those made by Innovyze (InfoWater and InfoSewer) or EPANET software systems are imperative for this role! The ideal



candidate must ensure that new infrastructure meets local and regional system hydraulic requirements by reviewing developer-driven and capital project models for compliance with established hydraulic design guidelines. Candidates must be a collaborative leader with Aurora employees, developers, Aurora Water contractors, partner agencies and community leaders. Candidates must also be effective communicators and creative thinkers who are driven by opportunities to continually improve, as well as the ability to handle and prioritize multiple projects simultaneously using good judgment.

## ◆ MINIMUM QUALIFICATIONS

- Bachelor's Degree in engineering, architecture, or directly related field
- Registration as Professional Engineer (PE) with the State of Colorado or ability to obtain through reciprocity from another state within 6 months of employment
- Four (4) years of modeling experience required; 5-6 years of modeling experience preferred
- Proficiency in ESRI GIS and MS Office products
- Knowledge of Accela, SharePoint, EADOCs, INFOR, considered a plus

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 **\$75,401 - \$94,251** annually.

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

## ◆ APPLICATION PROCESS AND RECRUITMENT SCHEDULE

To be considered for this exceptional career opportunity, submit your resume, cover letter, and a list of six work-related references (who will not be contacted without prior notice). ***This position will be open until filled.*** Please submit your materials to: <https://www.cpshr.us/recruitment/2014> .

For additional information about this position please contact:



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Website: [www.cpshr.us](http://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.

