



# CIVIL/WATER RESOURCES ENGINEER

**Civil & Water Resource Engineering Divisions**

**Salary Range: \$72,000-\$110,000**

## Who We Are

**AES Northeast is the Architecture, Engineering and Surveying 'Firm-of-Choice' for Northern New York and Vermont. With more than 40 dedicated professionals, we provide a wide range of services for municipal, commercial, institutional, private development, and residential clients.**

## What Your Role is as Civil/Water Resources Engineer:

The Water Resource Project Engineer is responsible for the planning and design of municipal water and wastewater projects, as well as representing AES to the public, and manage the Water Resource design team. This position reports directly to the Director of Water Resource and will assist clients in planning efforts to support their water and wastewater infrastructure improvements, as well as developing the projects design schedules, and mentoring of the Water Resource Department.

The Project Engineer's responsibilities include producing construction documents, performing engineering calculations, liaising with the project stakeholders, and assisting with bidding & construction management of completed designs.

To be successful as a Project Engineer, you should be able to perform tasks assigned by the Director of Water Resources in an efficient and timely manner. An outstanding Project Engineer should be able to balance work on design projects, projects under construction, and guide the design staff to keep the water resource division running efficiently.

### Your Roles & Responsibilities:

- The essential functions include, but are not limited to the following:
- Communicating with stakeholders regarding project needs and goals.
- Perform water calculations, including demand, flow, and pipe sizing.
- Perform construction cost estimates.
- Evaluate performance of employees and provide recommendations for training.
- Completing any tasks assigned by the Director of Water Resource in an efficient and timely manner.
- Coordinate scheduling various projects for Water Resource Division and balancing of resources.
- Conducts cost analysis, estimating expected costs for the project.
- Keeps current on local, state, and federal water and wastewater regulations.
- Ensures project compliance with federal, state, local, industry, contractual, and company regulations, standards, specifications, and best practices.
- Coordinate planning, construction activities, and data collection between AES and clients as needed.
- Perform evaluations on existing water and wastewater infrastructure
- Identify and communicate with program staff and management to strategize items related to project budget forecast and budget modifications.
- Provide technical expertise in various aspects of projects including Proposals/RFP, Contracts, Design Reports, Agency Correspondence, permits (DOT, APA, DOH, SHPO, SWPPP), Specs/Construction Documents, Bidding, RFI's, Addendums, Construction Contracts, Change Orders/Change Directives, and Contractor Submittals.



## What You'll Bring to AES

- BS in Civil Engineering from an ABET-accredited program.
- Minimum of 3 years of engineering experience preferred but not required.
- Professional Engineering License preferred, but not required.
- Working knowledge of AutoCAD/Civil 3D 2020 is required.
- Knowledge of HydroCAD is a plus.
- Experience with permit applications to local boards and state agencies is a plus.
- Experience with field work and site observation services is a plus.

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