

AES Northeast – Project Engineer (Water Resources)

Job Summary:

The Water Resource Project Engineer is responsible for the planning and design of municipal water and wastewater projects, to represent AES to the public, and manage the WRG 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.

Project Engineer Responsibilities:

- 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

- Provide oversight and management of 6-8 Junior Engineers that comprise the WRG design team.

Project Engineer Requirements:

- 6+ Years of water/wastewater design experience required.
- Experience with utilities highly desired.
- 2+ Years of Management experience desired.
- Undergraduate Degree in civil engineering or a related field required.
- Master's Degree in civil engineering or a related field preferred.
- NY PE required, or the ability to obtain it within 3 months.
- Stormwater Experience a plus
- Experience with AutoCAD 3D and other civil engineering software preferred
- Proficiency in Microsoft Office and project management software.
- Highly organized and able to design & manage multiple projects at once.
- Experience with municipal clients and NYS fund agencies preferred.
- Excellent communication skills, both verbal and written.
- Able to lead and mentor members technical members of the WRG team.

Physical Requirements:

- Prolonged periods sitting at a desk and working on a computer.
- Must be able to lift up to 15 pounds at times.
- Must be able to travel to various project sites.
- Must be able to access and navigate job sites and construction areas.