

Title: Gas Engineer, System Planning

Location: Southborough MA

Job Description:

The Gas Systems Planning Engineer position will analyze, plan, and design natural gas distribution systems using engineering principles, hydraulic models, and system knowledge. The Engineer will execute measurable results in system analysis and reliability, long range planning, and peak demand preparedness. Collaboration is essential with key stakeholders across the Company, including engineering, operations, gas control, energy supply, sales, finance, regulatory, and compliance. (provides a high level of coordination and support on specific projects and cross-functional efforts, collaborating with and often leading a team of professionals and working cross-functionally with Distribution Integrity Management Programs (DIMP) and Asset & Risk Management, Compliance Programs. The Compliance & Risk Project Engineer also monitors DIMP related regulatory compliance and best practices throughout the Gas Operations organizations. This position performs, or assists in, major/complex projects including the design, procurement, installation and testing of systems and devices that will repair, replace, improve or increase the Gas organization's physical assets and provide for permit requirements and regulatory compliance).

Essential Functions:

- Build, utilize, and maintain hydraulic models to analyze and plan natural gas distribution systems
- Verify hydraulic model performance using actual system flows/pressures & calibrate hydraulic models using statistical regression analyses of market and large customer demands
- Collaborate with gas control and supply services on capacity management and planning
- Conduct feasibility studies to determine gas service requirements for existing and potential customers
- Identify locations for isolation valves for optimum system control
- Provide timely emergency support
- Develop winter operations plans and SCADA alarm parameters
- Recommend placement of pressure charts to identify and investigate potential deficiencies and optimize recommendations to maintain/enhance gas distribution infrastructure reliability
- Develop long range plans for infrastructure replacement, load growth, and system optimization
- Foresee betterment needs and recommend system improvements
- Develop, prioritize, and submit capital budget requests to address load growth, peak demand preparedness, and reliability.
- Provide information and analysis to support regulatory initiatives
- Operate, maintain, and enhance computer hardware/software necessary to support accurate system analysis & integrate new technologies and existing Company systems
- Designs systems or installations to fit the Company's objectives, with some latitude for independent action and decision making, conforming to industry standards, guidelines and regulations of federal, state and local authorities.
- Specifies and procures materials and equipment, coordinates in-house and contract labor to install and test new installations in a timely fashion with input from vendors, engineers and Company departments.
- Develops and maintains procedures to ensure compliance with federal, state and local regulations and codes.
- Trains junior staff and reviews all their work.
- Oversees the procurement of all federal, state and local permits and notifications required for each job. Provides technical and financial support to upper management for future needs and budget allocations.

- Supports values and commitment to Eversource's mission, strategy and values. Provides direction or assistance in carrying out assignments. Coordinates resources required to complete processes or projects.
- Utilizes fundamental gas flow equations and hydraulic software to design or recommend changes to existing gas piping systems.

Qualifications:

Technical Knowledge/Skills: Requires theoretical and conceptual knowledge of discipline to develop and evaluate a process, procedure or regulatory requirements in the gas distribution business. Also requires an understanding of Company structure and business practices to implement procedures. Work includes calculating, comparing, editing, evaluating, interpreting, organizing, consulting, analyzing, planning, designing, documenting, specifying, coordinating, implementing, presenting, etc.

Education:

- Requires a Bachelor of Science Degree in Mechanical Engineering or Engineering Technology or related discipline.

Experience:

- (3) three years related experience

Working Conditions:

Work is performed primarily in an office environment which requires sitting, standing, walking and climbing stairs are involved. Job can require traveling to operating districts, gas facilities and companies within and outside the state.

This is a Safety Sensitive position and subject to random drug testing.

Please submit a resume with employment application**Visit the Eversource Careers website to apply:**

https://eversource.wd1.myworkdayjobs.com/ExternalSite/job/Southborough-MA/Engineer---Gas-System-Planning_R-012308-1