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Top 3 Reasons to Work at Dominion Energy

There are many reasons to work at Dominion Energy, but below are the top three reasons employees have shared with us. Click on each of the links to

Attracting Talent 2024



learn more!

1. Safety Centric Work Environment
2. Generous Pay and Benefits
3. Collaborative & Inclusive Culture

Fire Protection Engineer I-III (Hybrid)

Dominion Energy is committed to providing reliable, affordable, and increasingly clean energy that powers our customers every day. If you want to work for a purpose-driven company that values safety and collaboration, we're looking for you. You won't just find a job here; you'll find your career. Review the position below and apply today.

We offer a hybrid 3-2 work schedule (three days in the office, two days of teleworking) to accommodate the need for flexibility.

Military service members and veterans with ranks from E3-E5, W1-W2, or O1-O3, plus appropriate equivalent combination of education and years of experience as outlined below will be considered for this opportunity.

At this time, Dominion Energy cannot transfer or sponsor a work visa or employment authorization for this position.

This position does not offer relocation assistance.

Our Commitment to NetZero by 2050

Dominion Energy is committed to helping address climate change. We have cut emissions sharply as we aim for Net Zero carbon and methane emissions by 2050. Learn more at sustainability.dominionenergy.com.

Job Summary

This posting is for one position which will be filled at the level commensurate with the successful candidate's education, experience, knowledge, skills and abilities. The following job summary represents the mid-level description (Fire Protection Engineer II) for this role.

Required knowledge, skills, abilities and experience associated with each level is provided to clarify qualifications for each specific level.

This role is a specialty engineering position within the Corporate Risk Engineering team that performs risk and fire protection engineering. The engineer will be responsible for the specification, design review, construction review, commissioning, and ongoing support for all fire protection and loss control systems within the Company, including both capital projects and operating units. The role encompasses specialty engineering in industrial / high hazard occupancies including offshore, battery energy storage systems (BESS), solar, petrochemical / LNG, power generation, as well as traditional storage / commercial occupancies. The engineer will be knowledgeable in fire alarm and suppression, with an emphasis on special hazards system typically found in energy facilities. The role also leads other specialized risk engineering programs such as Company's process safety program, jurisdictional boiler / pressure vessel inspection program, and Public Safety Education program.

As part of this role, the engineer will lead the external risk engineering inspections and surveys (both property and boiler / machinery) as well as conduct their own internal risk engineering surveys. The engineer will then scope and lead risk improvement projects that satisfy the recommendations from those surveys as well as internal risk engineering standards. The engineer will be embedded as a critical member of various project teams as the technical fire protection and risk engineering lead for complex projects, such as new generating, petrochemical / LNG, or renewable energy facilities. They will be expected to provide subject matter expertise that is critical for the execution of the project, and that may have significant impacts to the viability or constructability of the asset.

The engineer will provide technical direction and specification to outside designers and engineering technologists for the design of the company's fire protection and risk management systems. They will also review the technical work products produced by those entities for compliance with building and fire codes as well as internal standards and provide approval for installation. Once the systems are constructed, the engineer will review the installed system for compliance with internal and external specifications, lead system commissioning, and ultimately accept the system on behalf of the Company.

This role is fully competent in all conventional aspects of risk / fire protection engineering. Second level position in the risk / fire protection engineering series provides engineering support and distinguished from Risk / Fire Protection Engineer I by increased complexity in application of engineering skills required.

Perform other duties as requested or assigned.

Required Knowledge, Skills, Abilities & Experience

Minimum Requirements (Note: A partial year of related work experience of 6 months or greater will be considered one year towards the qualifications):

Fire Protection Engineer I:

- 0-2 years of experience in fire protection engineering. The candidate must possess (or will possess by June 2025) an ABET accredited engineering degree specifically in fire protection engineering or possess a current or expired P.E. in fire protection engineering.

Fire Protection Engineer II:

- 3+ years of experience in fire protection engineering. The candidate must possess (or will possess by June 2025) an ABET accredited engineering degree specifically in fire protection engineering or possess a current or expired P.E. in fire protection engineering. Note: A Master's degree will count as one year towards the experience requirement.

Fire Protection Engineer III:

- 5+ years of experience in fire protection engineering. The candidate must possess (or will possess by June 2025) an ABET accredited engineering degree specifically in fire protection engineering or possess a current or expired P.E. in fire protection engineering. Note: A Master's degree will count as one year towards the experience requirement.

For the following knowledge, skills and abilities, degree of proficiency is commensurate with position level (Fire Protection Engineer I, II or III):

- Knowledge of fire protection engineering theories and principles.
- Knowledge of explosion mitigation systems (such as those installed in accordance with NFPA 68 & 69)
- Knowledge of IBC/IBC and NFPA codes, inclusive of those that are utilized in high hazard industrial applications
- Knowledge of industry / insurance standards such as those from FM, API, or DNV-GL

- Knowledge of gas, flame, and other safety related process control systems
- Knowledge of hand calculations or calculation software associated with water based fire suppression, clean agent fire suppression, fire dynamics, and deflagration venting
- Ability to evaluate risks within energy and high hazard industrial environments.
- Knowledge of property and machinery related failure modes and mitigations for large power generation equipment, LNG / petrochemical facilities, offshore facilities, and renewable technology such as battery energy storage systems (BESS) and hydrogen.
- Knowledge of Process Hazard Analyses including HAZOPs and LOPA's
- Knowledge of cryogenic protection and passive fire protection for petrochemical applications

The following skillsets required for all levels:

- Ability to develop and exercise leadership skills.
- Effective decision-making skills.
- Effective oral and written communication skills (includes technical writing).
- Ability to think analytically and solve complex problems.
- Ability to interpret codes, regulations and practices.
- Equally effective working independently or in a team environment.
- Ability to process information quickly and effectively manage multiple tasks.

Education Requirements

Required degree (equivalency not accepted in lieu of required degree): Bachelor

Required discipline(s): Engineering

REQUIRED ENGINEERING CRITERIA:

For placement of a candidate in the Risk / Fire Protection Engineer job series, the following criteria must be met:

- Possess a 4-year Engineering degree from an ABET accredited **Fire Protection Engineering program** based on the year that the Engineering program was accredited by ABET, OR:
- Possess a 4-year Engineering degree from an ABET accredited Engineering program based on the year that the Engineering program was accredited by ABET, and a Master's Degree in **Fire Protection Engineering**, OR;
- Possess a 4-year degree in Engineering (non-ABET accredited), Physics, Chemistry, Math or Engineering Technology and a post-graduate Fire Protection Engineering degree from an institution where the undergraduate degree in the same Engineering

discipline is ABET-accredited based on the year the Engineering program was accredited by ABET, OR;

- Holds or has previously held a valid U.S. Professional Engineer license in **Fire Protection Engineering**.

Licenses, Certifications, or Quals Description

Depending on functional responsibilities and location of position must review ANS 3.1 12/79, ANSI N18.1-1971 or ANSI/ANS 3.1-1993 and DOM-QA-1 as appropriate.

Working Conditions

Radiation Up to 25%

Cold 51-75%

Confined spaces Up to 25%

Dust / Grease / Oil 26-50%

Energized Wires 26-50%

Heat 26-50%

Loud Noise 26-50%

Office Work Environment 26-50%

Operating Machinery 26-50%

Outdoors 26-50%

Pressurized Lines & Valves 26-50%

Travel 26-50%

Other Working Conditions

Test Description

No Testing Required

Export Control

Certain positions at Dominion Energy may involve access to information and technology subject to export controls under U.S. law. Compliance with these export controls may result in Dominion Energy limiting its consideration of certain applicants.

Other Information

We offer excellent plans and programs for employees. Employees are rewarded with a competitive salary and comprehensive benefits package which may include: health benefits with coverage for families and domestic partners, vacation, retirement plans, paid holidays, tuition reimbursement, and much more. To learn more about our benefits, click here dombenefits.com.

Dominion Energy is an equal opportunity employer and is committed to a diverse workforce. Qualified applicants will receive consideration for employment without regard to their protected veteran or disabled status.

You can experience the excitement of our company – it's the difference between taking a job and starting a career.

Job Segment: Offshore Oil, Boiler Engineer, Testing, Embedded, Construction, Energy, Engineering, Technology

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