Power System Engineer / Senior Engineer

Grid Engineering / Renewables Integration / Technical Requirements / Regulatory Activities

# About Elevate Energy Consulting

***Elevate: to raise, uplift, promote, upgrade, improve, advance, elate***

Elevate Energy Consulting was formed to *elevate* clients across the electricity ecosystem as we strive for a reliable, resilient, and affordable clean energy future. With a blend of deep expertise across bulk power system planning, design, control, protection, and operations, we support our clients tackling the most challenging issues facing the energy transition. Our experience and deep regulatory background in North America also enable us to support clients to ensure compliance with existing and future obligations. We support reliability-centered projects focused on modeling, studies, protection settings, event analysis, systems integration, process improvements, internal controls, regulatory compliance evidence, etc. We are a small business focused on delivering exceptional quality and customer service commitments to our clients in an agile and effective way. Our goal is to *uplift* and *elevate* our clients and ensure our work has a positive impact for the betterment of our industry and society.

# Position Summary

This role will play a key part in helping the organization tackle exciting projects related to studying the reliability impacts of a world dominated by inverter-based resources (IBRs), such as solar, wind, and energy storage resources. We are seeking a versatile and motivated individual to join our team as a Power System Engineer or Senior Engineer. This is a technical engineering role that requires a fast-paced, proactive professional with strong engineering, analytics, and project management skills. The ideal candidate will be adept at managing various technical engineering projects that include power system analysis, transmission and distribution engineering, and FERC/NERC technical regulatory activities.

# Roles and Responsibilities

* Analyze grid and IBR events data to conduct post-event root cause analysis, lessons learned, and mitigation recommendations.
* Conduct power system engineering calculations and modeling to support grid reliability, resiliency, load and generation interconnections, operations, and grid buildout.
* Review industry trends and events to perform long term risk assessments and mitigation strategies.
* Support the industry and clients in improving tools, processes, requirements, and understanding of the changing resource mix, grid transformation, and the energy transition broadly.
* Serve as a technical engineering resource to advise/support transmission/distribution service providers, transmission/distribution planners, system operators, renewable energy project developers, generator owners and operators, and regulatory entities across North America.
* Develop engineering reports, presentations, and documentation based on project deliverable requirements.
* Support the development of technical project proposals for customers and clients
* Leverage first principles, engineering fundamentals, and microcosm systems to help drive best practices around emerging reliability risk areas and other topics of interest.
* Study the changing resource mix and its impacts on bulk power system reliability including areas involving low system strength conditions, grid forming inverter technology, impacts to protection and control systems, frequency response, voltage stability, control interactions, and subsynchronous oscillations.
* Develop technical compliance procedures, processes, tools, documentation, and compliance strategies to meet all requirements and regulations
* Deliver technical presentations to clients and broadly across industry to help *elevate* industry best practices.
* Successfully deliver exceptional value to clients through world-class analysis and the delivery of key milestones and deliverables.
* Work with executive team and project leads to monitor progress, adjust as necessary, and ensure project success

# Qualifications

# Additional Details

* The title for this role will be determined based on the qualifications of the candidate and on performance through the interview process.
* A background check will be conducted prior to employment.
* All persons hired will be required to verify identity and eligibility to work in the United States and must complete employment eligibility verification documentation upon hire, in compliance with federal law.
* This is a fully remote role with some travel expected; a passport is required for North American and other international travel.
* This position has been classified as exempt.

**To apply for this role, please send a resume and cover letter to** **careers@elevate.energy****.**

*Elevate Energy Consulting is an equal opportunity employer committed to diversity and inclusivity in the workplace. We prohibit discrimination and harassment of any kind based on race, color, sex, religion, sexual orientation, national origin, disability, genetic information, pregnancy, or any other protected characteristic as outlined by federal, state, or local laws. Elevate Energy Consulting makes hiring decisions based solely on qualifications, merit, and business needs at the time.*