

Interconnection Power Engineer

Job Description

[EIP Storage](#) is a stand-alone energy storage developer led by long-time energy transition professionals with a mission to support the proliferation of renewable energy across the US grid through the strategic deployment of energy storage. This is a critical moment in the race toward a low-carbon economy, and stand-alone storage will play an increasingly important role by providing a diverse set of services for utilities, market operators, and investors. EIP Storage originates and develops large-scale standalone energy storage projects by leveraging a driven, creative, collaborative, and deliberate best-in-class team, emerging analytical tools, and its network of experienced partners.

EIP Storage is looking to hire an Interconnection Power Engineer who will be responsible for the engineering design, management, and interconnection submission of the Company's projects. This position will work closely with the Development team to help understand and screen new energy storage project opportunities, prepare and submit interconnection requests through the local distribution utility or ISO/RTO, and manage the engineering requirements of the interconnection process. In addition, if not already trained, EIP Storage is looking for someone who is interested in learning Power Flow analysis.

Roles & Responsibilities

- Develop site plan drawings, electrical diagrams, project designs and interconnection application materials, including single-line diagrams, for utility-scale stand-alone energy storage projects.
- Assess a range of energy storage system designs based on project-specific constraints and propose optimal solutions based on technical and commercial considerations.
- Interface with transmission service providers, interconnecting utilities, and ISO/RTOs to manage the technical engineering deliverables from initial project interconnection application to signed interconnection agreement.
- Ensure jurisdictional engineering requirements are incorporated into project design and equipment specifications and be responsible for all engineering data and information submission to regulators; ensure critical engineering and development milestones are met.
- Work with the Development team to identify sites in prioritized areas across markets in the US by supporting project development decisions for new projects, including reviewing IRPs, planning studies, interconnection studies, locational transmission capacity, physical interconnection feasibility, and estimating project costs.
- Use power flow software or Security Constrained Economic Dispatch (SCED) analysis tools to assist Development team with site selection. *Note: EIP Storage is willing to support and fund training for these tools as needed.*
- Support the Development team with project planning, milestone schedules, and with proforma financial model inputs for equipment and EPC costs.
- Provide subject matter expertise during interconnection agreement negotiations and be an ambassador for the company to utilities, ISO/RTO's, regulators, and community stakeholders.
- Prepare project equipment specifications and create/maintain a database of major equipment pricing and procurement lead times.
- Select and manage external resources necessary to support responsibilities.

Qualifications

- >5 years of experience in electric utility project engineering, design, development, and contracting in the power generation and transmission industry.
- Bachelor's or graduate degree in Power/Electrical Engineering or similar discipline with Power Engineering focus.
- Licensed as a Professional Engineer.
- Must have experience with utility interconnection requirements and processes and the design, build, and operation of High Voltage utility substations, switchyards, and transmission systems.
- Experience with utility-scale energy storage applications is a plus, as is experience with or for a major utility or ISO/RTO.
- Familiarity with concepts of load flow, short circuit duty, open access transmission tariffs and other regulatory frameworks.
- Knowledge of electrical standards (UL/IEEE), National Electrical Code, and US utility interconnection specifications and standards and familiarity with electric power industry data and reporting requirements (the FERC, NERC, ISO/RTO, etc.).
- Experience with PSS/E, PSLF, PSCAD, ASPEN, and/or other commonly used technical studies used in power grid analysis.
- If not already a skillset, must have the ability and desire to learn how to use power flow software for injection analysis or Security Constrained Economic Dispatch (SCED) analysis tools.
- Proficiency in working on a small team in a fast-paced environment and ability to multi-task and manage multiple projects simultaneously.
- Supportive, resourceful, self-starting, and willing to take on new tasks with strong organizational and time management skills.

In addition, a strong candidate will have:

- Ability to work well within a diverse team and communicate effectively both inside and outside the organization. *Note: relocation is not a requirement.*
- Interest in personal and professional growth while achieving large energy transition goals as part of a fast-moving, entrepreneurial team.
- Excellent computer skills (autoCAD, Excel, Word, Project, PowerPoint, Smartsheets, etc.).

Compensation

Competitive compensation that includes salary, healthcare, 401k, and profits share.

Email ron@eipstorage.com with resume and short description of why this is a good fit in the body of the email (a formal cover letter is not necessary).