



Associate Principal Electrical Engineer

Location: SF/Bay Area, California

Job Type: Full-time

About Us: Point Energy Innovations is an engineering firm committed to driving building MEP systems to new levels of performance and cost-effectiveness. Our business model is to work in the early stages of design, then provide a smooth transition for design-build contractors to document and execute our designs. Our innovative approach to affordable decarbonization within buildings accelerates the adoption of resilient and zero carbon strategies in the industry. We strive to create a better world for future generations by collaborating both internally and externally to find the best solutions.

Why Join Us? At PEI, you will be part of our integrated project team to design the most energy efficient and sustainable buildings in the country. You will be designing sustainable building electrical systems, working in collaboration with a diverse design team, and side by side with experienced engineering mentors. We work on cutting edge projects in the Bay area and throughout the world. Responsibilities include working on small and large project technical details, project management, and energy modeling and analyses of building systems.

Mission Statement: Our mission is to decarbonize the built environment and drive the transition to a sustainable, all-electric, zero-carbon future. We design systems that directly tackle the urgent need to reduce carbon emissions, ensuring today's buildings contribute to a cleaner and healthier planet.



Role Overview and Key Responsibilities:

Senior Electrical Engineer with 10+ years of experience to join our team, playing a crucial role in designing and optimizing electrical systems. Our project types include commercial office, adaptive reuse, resiliency centers, multi-family residential/mixed use, educational, data centers, aviation, microgrids, labs, and industrial facilities. Your responsibilities include:

- Lead the design and development of electrical systems, service sizes, and distribution for both new and retrofit building projects.
- Develop reports, SLD, specifications to document calculations, electrical design work, etc.
- Provide early consulting during concept, schematic, etc. design to provide service size for utility coordination with owner and architect.
- Oversee and review electrical design documents, specifications, analysis, coordination of electrical loads with equipment, incoming services, and calculations to ensure they meet project requirements and industry standards.
- Collaborate with engineering and design teams to integrate electrical systems with other building systems and achieve holistic sustainability goals.
- Client communication: presenting technical reports, slide decks for both technical & C-Suite Audiences, as well as proposals to clients and stakeholders.
- Stay current with industry trends, technologies, best practices, and code requirements.
- Provide technical support during the construction and commissioning phases to ensure that electrical systems meet design intent and performance criteria.
- Coordinate electrical system design, room sizing, integration of M&P loads, etc. with architects and other consultants.
- Be a continuous advocate for sustainability, high performance design, decarbonization and electrification, as well as Point Energy Innovations.
- Client relations, marketing and business development.
- Develop and generate technical papers, attend and present at speaking events, outreach, etc.
- Training, mentoring, quality control / quality assurance of work.



Qualifications:

- Minimum Bachelor degree in Electrical Engineering or a related field. Optional Master's Degree.
- 10+ years of experience in electrical system design
- Proficiency in electrical design software and sustainability assessment tools (e.g., AutoCAD, EnergyPlus, Helioscope, Energy ToolBase, etc.).
- Strong analytical and problem-solving skills, with the ability to interpret complex data and develop practical solutions.
- Excellent communication and collaboration skills, with the ability to work effectively within a team and with external partners.
- Proficient in Microsoft and Google Suites.
- Strong research and organizational skills.

Diversity, Equity and Inclusion:

At Point Energy Innovations, we are dedicated to fostering a diverse, equitable, and inclusive environment that benefits both our team and the communities we serve. We believe everyone should have access to clean, healthy, and energy-efficient spaces. Our mission is to decarbonize the built environment while addressing environmental disparities and supporting marginalized communities.

We pride ourselves on having a diverse team where different perspectives and backgrounds come together to spark innovative ideas and effective collaboration. This diversity allows us to approach challenges creatively and develop cutting-edge solutions that drive sustainable practices forward.

Salary and Benefits:

Please reach out for more information on our package related to salary and benefits.

If you're interested in this opportunity, please send your resume and cover letter to info@pointenergyinnovations.com.

Together, we can reshape the built environment to create resilient, energy-efficient spaces that lead the way in combating climate change.