



## ELECTRICAL ENGINEER (5+ Years Experience)

Sevee & Maher Engineers, Inc. (SME) has a new full-time position for an **Electrical Engineer** at our headquarters in **Cumberland, Maine**, or at our **New Gloucester or Hampden, Maine** offices. SME is looking for a qualified mid-level to senior engineer.

### Position Summary

As an **Electrical Engineer**, you will work on a diverse range of projects that include utility substation design, renewable energy projects such as wind, solar, and battery energy storage systems (BESS). This role involves providing innovative solutions that align with SME's commitment to sustainability and technical excellence.

### Your Impact

In this role you will have the opportunity to engage in challenging assignments, contributing to the design and implementation of solutions for projects including utility infrastructure, renewable energy facilities, and critical data center applications.

As an SME **Electrical Engineer**, you will:

- Design and develop high-voltage substations (12kV – 345kV) including physical layout, protection & control, grounding, and structural components.
- Prepare engineering drawings, schematics, and specifications for new and existing substations.
- Develop general arrangements, conduit layouts, grounding plans, buswork layouts, and equipment elevations.
- Select and specify high-voltage equipment such as transformers, circuit breakers, disconnect switches, and capacitor banks.
- Design relay protection and control schemes for substations including one-line diagrams, three-line diagrams, wiring diagrams, and panel layouts.
- Specify protective relays, SCADA & RTU equipment, and network communication devices.
- Develop relay settings, data maps, and network configuration files.
- Coordinate with utilities and clients to ensure relay settings and control logic meet system requirements.
- Perform short circuit analysis, load flow studies, arc flash studies, and grounding calculations.
- Conduct insulation coordination and lightning protection analysis for substation components.
- Work closely with civil, structural, and electrical engineers, and project managers to ensure seamless project execution.
- Prepare cost estimates, schedules, and procurement documentation for substation projects.
- Participate in client meetings, site visits, and design reviews.
- Provide engineering support during substation construction, testing, and commissioning.
- Troubleshoot and resolve design-related field issues.
- Ensure that substation designs meet all applicable regulatory, safety, and environmental requirements, and ensure compliance with NEC, NESC, IEEE, ANSI, and other industry standards.
- Stay up to date with industry advancements, standards, and best practices.

### Required Skills and Qualifications

- B.S. degree in Electrical Engineering or Electrical Engineering Technology, with 5+ years of relevant experience.
- Professional Engineer license preferred.
- Experience in utility substation design and renewable energy systems (wind, solar, and BESS).
- Proficiency in AutoCAD, Bluebeam, or Adobe, and electrical design software.
- Strong analytical, problem-solving, organizational, and communication skills.

### Working at SME

Founded in 1985, SME is an accomplished team of 100+ experienced and talented professionals providing environmental, civil, structural, and electrical engineering consulting services to clients nationwide. From supporting the development of renewable energy projects to cleaning up environmental hazards, managing society's waste, and developing sustainable solutions, SME employees share a common goal of assisting clients to solve complex problems related to energy and the environment. SME combines strong technical expertise with innovative technologies to provide cutting-edge solutions to our clients' real-world challenges.

At the heart of SME is our friendly and down to earth culture. There is room to choose your own path and pursue your passions, and each person is recognized for their contribution to our collective success. SME supports and encourages professional development and active participation with professional associations. Joining SME means becoming part of a group of dedicated professionals who enjoy doing meaningful work together.

Along with a collaborative work environment, SME offers:

- Work-life balance
- Hybrid work schedule
- Professional development and growth opportunities
- Intraoffice groups including hiking, hockey, and running
- Community involvement such as volunteer days, an SME sponsored road race team, and
- Annual company appreciation event, fall golf outing, regular social events, and more.

### Compensation and Benefits

SME offers an excellent compensation and benefits package that includes:

- 100% company paid Medical, Life, and Long-term and Short-term Disability insurance
- Annual contributions to the enrolled employee's Health Savings Account (HSA)
- Paid vacation and sick time and 9 paid holidays per year
- Retirement plan comprising three components: a 401(k) plan with generous matching contribution; profit sharing; and a non-discretionary 3% of gross pay contribution, and
- Performance-based year-end bonuses.

### Let's Connect!

If this position sounds like a good fit for you, **please submit your resume and cover letter as a single PDF or Word document to: [smeresumes@sme-engineers.com](mailto:smeresumes@sme-engineers.com)**. No telephone calls, please. For more information about SME, visit [sme-engineers.com](http://sme-engineers.com). *SME is an Equal Opportunity Employer committed to fairness in all our employment practices. All qualified applicants will receive consideration for employment without regard to sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected Veteran status, age, or any other characteristic protected by applicable law.*