

SENIOR TRANSMISSION ENGINEER (5+ Years Experience)

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

Position Summary

As **Senior Transmission Engineer** with SME, you will design, analyze, and optimize electrical transmission systems including overhead and underground high-voltage power lines, and be responsible for project and client management. Your experienced background in transmission line design, structural analysis, and electrical engineering principles is integral to 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 lead and mentor team members, engage in challenging assignments, and contribute to the design and implementation of solutions for projects including utility infrastructure, renewable energy facilities, and critical data center applications.

As an SME **Senior Transmission Engineer**, you will:

- Design and develop high-voltage transmission lines (35kV – 345kV) using industry-standard software (PLS-CADD).
- Conduct structural, electrical, and thermal analyses to optimize system performance.
- Perform routing, siting, and impact assessments for transmission projects.
- Prepare technical specifications, construction drawings, and material lists.
- Conduct field assessments and site visits to support project planning and execution.
- Manage projects ensuring that project deliverables meet schedule, budget, and quality requirements.
- Provide technical support during construction, testing, and commissioning phases.
- Ensure compliance with applicable codes, standards, and regulations.
- Collaborate with multidisciplinary teams, clients, and regulatory agencies including utilities and government agencies to ensure compliance with industry standards (NESC, IEEE, ANSI, etc.).
- Provide technical expertise and construction oversight.

Required Skills and Qualifications

- Bachelor's degree in electrical, civil, or mechanical engineering from an ABET-accredited school;
- Minimum of 5+ years of experience in transmission line design and engineering and understanding of structural and mechanical aspects of transmission lines;
- Proficiency with PLS-CADD, PLS-POLE, and PLS-TOWER software;
- Strong knowledge of NESC, IEEE, and ANSI standards;
- Experience with AutoCAD, GIS mapping tools, and power system modeling software;
- Excellent problem-solving skills and attention to detail;
- Strong verbal and written communication skills;
- Ability to manage multiple projects and work independently and within a team;
- Experience with distribution line design and knowledge of distribution equipment is a plus; and
- Professional Engineer (PE) license preferred but not required.

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 and 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**. No telephone calls, please.

For more information about SME, visit 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.