

## **BRADLEY THERRIEN**

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### EDUCATION

A.S. – Wind Power Technology, Northern Maine Community College, 2012  
A.S. – Computer Aided Drafting, Northern Maine Community College, 2012  
Certificate – Electrical Construction and Maintenance, Northern Maine Community College, 2012

### PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Maine Department of Environmental Protection (MEDEP) – Erosion and Sediment Controls (CPESC)  
MEDEP – Maintenance and Inspection of Stormwater Best Management Practices (CMIS BMP)  
MEDEP – Certified Professional in Erosion, Sediment and Stormwater Inspector (CESSWI)

### EMPLOYMENT HISTORY

2024 to present – Sevee & Maher Engineers, Inc., Cumberland, Maine, Senior Field Engineer/Design Engineer  
2021 to 2024 – SGC Engineering, Presque Isle, Maine, Senior Environmental Analyst  
2012 to 2021 – Cianbro, Pittsfield, Maine, Superintendent

### PROFESSIONAL EXPERIENCE

Mr. Therrien is a Construction Manager/Environmental Analyst with over 10 years of experience as a field and construction support engineer. His project experience includes project management, contractor supervision, post-construction operations, and environmental permitting and compliance. His areas of expertise include transmission line design and construction with design and constructability assessments, access evaluation, right-of-way clearing, timber matting, winter snowpack road installation and construction inspection, and environmental compliance monitoring. He has been responsible for the coordination with regulatory agencies to implement minimally invasive construction techniques on several substation and transmission line projects. He also has experience in developing underground collection systems that interconnect wind turbines to local project substations.

Representative projects demonstrating Mr. Therrien’s areas of expertise include:

- **WEG, Boggy Brook Synchronous Condenser, Ellsworth, Maine** – Provided on-site construction management and quality assurance of the various subcontractors for the groundwork, foundation, building erection, condenser installation and electrical fit out of synchronous condenser hall for Versant Power’s Boggy Brook Substation Expansion.
- **Brookfield Renewables, Millinocket, Maine** – Reviewed aerial imagery and line inspections of Brookfield’s Transmission Lines 2, 6 and 7, to prescribe necessary remedial measures to ensure continued line integrity.
  - Line 2, 1.6 Miles, 34.5kV – Completed a structure survey and designed a necessary rebuild to replace existing K-Frame structures with new Horizontal Line Post Structures.

Supported Brookfield through pole and hardware acquisition, installation contractor selection and construction activities.

- Line 7, 9.1 Miles, 34.5kV – Prescribed the hardware and structure campaign schedule in which the existing lattice tower structures should receive insulator and shielding hardware replacements over a 3-year span. Campaign schedule was coordinated between structure groups with severe deficiencies, high risk locations of potential failures and Right of Way access availability. Completed wooden H-Frame design for the replacement of single structure in which the legs of the existing lattice tower were found to be failing below grade.
  - Line 6, 6.8 Miles, 115kV – Identified all structures requiring Woodpecker damage repair. Assisted with follow up aerial imagery capture and review to ensure capture of all deficiencies. Developed and supported procurement of spare structure poles and hardware for potential future replacements.
  - **APEX, Downeast Wind, Cherryfield, Maine** – Developed 34.5kV underground collection system design of 50.5 miles to interconnect (30) Vestas 4.2MW wind turbines to new substation. Design included circuit load balancing a proposed arrangement to better utilize smaller cable sizes, developing one-line diagrams, cable trench and boring details. Interconnection details, cable schedules and material lists for all attributed cable, fiber and hardware were also developed.
  - **EDPR, Indiana Crossroads II, White County, Indiana** – Developed 34.5kV underground collection system design for a 202MW windfarm. Design consisted of cable specification and sizing, trench installation details, complete material schedules and fiber point to point interconnection details.
  - **Versant Power, Line Rehabilitation and Environmental Oversight, Enfield, Maine** –
    - Provided environmental oversight to ensure contractor retained environmental compliance throughout construction activities to final restoration for Rebuild of 3.5 miles on Line 83 in Enfield, Maine; 3.7 miles on Line 86 in Medway, Maine; and 4 miles on Line 2 in Ellsworth, Maine.
    - Line 6904, Fort Fairfield to Limestone ME, 4 miles of Rebuild, 2022 to 2023 – Provided subcontractor management on the installation of a temporary stream crossing, the installation of packed snow roads to facilitate winter construction, and the restoration of all disturbed accesses after construction activities.
    - Line 1176, Presque Isle to Easton ME, 5 miles of Rebuild, 2021 to 2022 – Provided subcontractor management, ensuring final construction met project specifications, that schedule was maintained, and all accesses remained environmentally compliant.
  - **Avangrid, Maine Turnpike Exit 45 Line Relocation, Portland, Maine** – Provided onsite construction management for the relocation of three existing line sections (34.5kv/115kV) to be reconfigured to provide adequate clearance over I-95 and with 75% of the project within wetlands that bordered I-95. Responsible for initial on-site coordination with access and matting contractor to establish construction access needs within the right-of-way.
    - Coordinated closely with Maine Turnpike Authority engineer and third-party environmental inspector to ensure the project maintained zero undue impact to wetlands throughout the entire scope of the reconstruction.
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- Utilized 3D CAD software to layout, pre-drill bolt holes, and attach all hardware to the steel poles prior to critical work schedule to minimize exposure during critical line outages and interstate traffic delays.