

Stephanie Wyman, PE

Civil Engineering Team Leader, Renewables



Education

BS, Environmental Engineering,
University of Vermont, 2011

Registrations/Certifications

Professional Engineer, VT,
#134215

Professional Engineer, ME,
#15055

Professional Engineer, NY
#108070-01

Affiliations/Memberships/ Awards

UVM Student Practitioner
Advisor, Past-Region 1
Governor, Vermont Section
Past-President, American
Society of Civil Engineers

Member, New England Women
in Energy and the Environment

Member, Vermont Society of
Engineers

2023 Vermont Young Engineer
of the Year

2022/2023 ASCE Vermont
Young Engineer of the Year

Stephanie is a Civil Engineer at VHB and provides performs a wide range of design, permitting, and project management tasks. She has extensive experience in renewable energy design and permitting in Vermont, as well as experience in commercial and residential development, utility design, stormwater management, and construction oversight. She maintains a good working relationship with many State and local regulators. She also has experience working in transportation and traffic systems engineering in Maine as well as the design and permitting of natural gas pipelines in Pennsylvania. She has skills in AutoCAD Civil 3D, HydroCAD, HY8, PVCase, Synchro, Sim Traffic, and Microsoft Office.

13 years of professional experience

Encore Renewable Energy – Solar Electric Generation Facilities, Various Locations, VT

Stephanie has been an integral part of the project team for the design, permitting, and construction of over twenty solar electric generation facilities, totaling approximately 35MW, throughout Vermont. She has also completed the permitting for several battery energy storage systems. These fast-paced projects demand attention to detail and the ability to juggle multiple priorities to achieve the project goals. As the lead civil engineer on these projects, Stephanie provides layouts of the facilities, site grading, drainage, and access road design utilizing Civil3d, as well as stormwater and erosion control design and permitting. She coordinates directly with multiple team members during design and permitting including project owner, aesthetics/landscape architect, sound engineer, survey, OHM, electric utilities, electrical engineers and attorneys. She works closely with the Vermont Agency of Transportation (VTrans) regulators in obtaining State Highway Access and Work Permits, Section 1111 for projects requiring a new curb cut on a State Highway, and work within the right-of-way. She also has experience utilizing PVCase software to optimize solar panel layout and conduct shading analysis based on existing topography and surrounding natural resources. In 2021 Stephanie co-presented a 3-hour virtual presentation followed by a 2-hour in-person field presentation at an active construction site for Encore's EPC team on Vermont's Construction Stormwater BMPs and the roles of Onsite Plan Coordinator.

NextEra Energy Resources, Ethan Allen Solar Project, St. Albans, VT

Stephanie provided full civil engineering design and permitting support services for this 2.2 MW solar electric generation facility. The project's location adjacent to Interstate 89 presented unique access challenges which required the design of an access road which is routed under an existing highway bridge and extensive coordination with the Vermont Agency of Transportation as well as FHWA. Stephanie provided support for the permitting of the project, including construction stormwater as well as design support for the layout of the facility, drainage, and access road design.

NextEra Energy Resources – Solar Electric Generation Facilities, Various Locations, VT

Stephanie provided civil engineering design and permitting support services for multiple solar electric generation facilities in Vermont. Stephanie provided support for



the permitting of the project, including construction stormwater as well as design support for the layout of the facility, drainage, and access road design. With her extensive solar experience in Vermont, Stephanie was able to coordinate with the project owner, electrical engineer, and construction team on Vermont specific permitting requirements to address project needs in an effective manner.

Bullrock Renewables – Solar Electric Generation Facilities, Various Locations, VT & NY

Stephanie has been part of the project team for the design, permitting, and construction of over ten solar electric generation facilities through Vermont and New York. As the lead civil engineer on these projects, Stephanie provides layouts of the facilities, site grading, drainage, and access road design, as well as stormwater and erosion control design and permitting to meet the various State and Local design standards.

Green Mountain Power Bolton 41 Substation Rebuild, Bolton VT

Stephanie provided civil engineering design and permitting support services for Green Mountain Power to create permit level site plans for the 45-day submission for the rebuild of their Bolton 41 Substation in Bolton Vermont. She worked closely with GMP and the project electrical engineer to re-align an existing roadway and expand the substation footprint. From her experience with this project and knowledge of GMPs design standards, she was able to coordinate with the project team to address project needs and work cost-effectively.

Strata Storage, LLC – Battery Energy Storage System Facilities, Various Locations, VT

Stephanie has been part of the project team for the design, permitting, of multiple battery energy storage system facilities in Vermont. As the civil engineer on these projects, Stephanie provides layouts of the facilities, site grading, drainage, and access road design, as well as stormwater and erosion control design and permitting.

WEG Electric Corp (WEC) Battery Energy Storage System Facilities, Various Locations, VT

Stephanie worked with the project team for the design, permitting, and construction of battery energy storage system facilities in Hinesburg and Barre Vermont. As the civil engineer on these projects, Stephanie designed site grading, drainage and access, as well erosion control design and permitting. From her experience with these projects and knowledge of WEC's policies and procedures she was able to coordinate directly with the project team to address the project needs, meet aggressive schedules and work cost-effectively.

Shaftsbury Solar – Shaftsbury, Vermont

Stephanie has provided engineering support for designing and permitting of a 20MW solar project in Shaftsbury Vermont. Her design work on this project includes grading of over 1.5 miles of access roads, multiple gravel wetland stormwater treatment systems, and grading and siting of project and GMP substation components. She coordinated with project electrical engineer and GMP on array, substation and electrical design on a weekly basis. In addition to the solar and substation design, Stephanie coordinated with the design of a waterline relocation through the project site, and temporary construction access with VTTrans on a limited access highway.