

## Civil Engineer

*Business Area: Technical*

*Reports To: Director, Engineering*

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### Summary

The Engineer will perform technical/engineering duties related to technical development, design, and implementation of Civil, Structural and Architectural (CSA) site works with focus on utility scale Solar, Energy Storage, and Wind energy projects. This position will be required to travel to job sites for project related needs up to 25% of their time.

### Key Job Responsibilities

- Assist with development and maintaining site characterization strategies for a developing pipeline portfolio of utility scale renewable energy projects.
- Coordinates the development and review of CSA studies including, but not limited to, Civil 3D-AutoCAD, cut and fill calculations, storm water management, fault identification, settlement, soils disposal and aggregate delivery to site, pipe-rack pre-assembly and/or modularization studies.
- Participates in project development efforts by coordinating quality assurance reviews and providing feedback on engineering documents and drawings to ensure compliance with applicable codes, permits, standards, and specifications.
- Provide technical advice for the implementation of efficient construction techniques and scheduling to ensure readiness for early works to support project construction.
- Responsible for technical specifications to support project development, design, and implementation of CSA site works, and facilities associated with the project.
- Evaluates EPC Contractor's CSA engineering techniques, procedures, and design criteria to minimize site work and associated costs
- Monitors and provides project status updates to project management and project development; advises on conditions and activities that may impact the development, completion or performance of project and facilities.
- Participates in project meetings, reviews, and workshops; performs quality assurance reviews and inspection of CSA design and effectively applies knowledge of safe-work processes and procedures to ensure the design and installation are safe.
- Reviews the EPC Contractor's CSA deliverables, submittals, material/equipment selections, construction plans and procedures; ensures that all construction activities conform to the project design documents and project specifications.
- Supports project construction efforts by attending and participating in construction meetings; resolves CSA design, installation, and interface issues that arise at the project site during construction. Tracks CSA construction activities to ensure progress is compliant to overall project schedule.
- Provides technical input to support economic analysis for project. development.
- Self-driven and motivated individual willing to take on leading, facilitator or supportive roles in a project meeting sound safety practices and engineering value proposition.
- Other duties as assigned.

### Required Education

- Bachelor's degree in Engineering discipline, Civil Engineering preferred
- PE license, preferred

## Required Experience

- 3-7 years of experience in civil engineering related to construction (utility scale solar construction experience is preferred)
- Experience working with consultants and contractors for technical/engineering services (i.e., Owners Engineer, Independent Engineer, EPCs/Engineer of Record, etc.) when necessary.
- Working knowledge of various drafting tools (AutoCAD, SolidWorks, PV Case, ARCGIS).
- Experience working with Google Earth.
- Knowledge and experience in Electrical, Civil, and Control systems for renewable energy projects.

## Other Skills

- Willingness to grow subject matter expertise in engineering design for utilities scale renewable energy generation projects.
- Strong verbal and written communication skills.

## Physical Requirements

The Civil Engineer may be required to endure the following physical activities, environmental conditions, and physical demands:

- Moving self in different positions to accomplish tasks in various environments including tight and confined spaces,
- Remaining in a stationary position, often standing, or sitting for prolonged periods,
- Moving about to accomplish tasks or moving from one worksite to another,
- Adjusting or moving objects up to 20 pounds in all directions,
- Communicating with others to exchange information,
- Repeating motions that may include the wrists, hands and/or fingers, and
- Assessing the accuracy, neatness and thoroughness of the work assigned.

## Organizational Relationships

Titles of positions reporting directly to this position: None

Number of employees supervised: A. Directly: 0      B. Through subordinates: 0

### Essential Functions Statements:

energyRe has reviewed this job description to ensure that essential functions are included with the duties and responsibilities. To perform this job successfully, an individual must be able to perform the essential duties satisfactorily. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.

Employees shall comply with the policies and procedures and are accountable to each other to ensure every task is done safely and with consideration for our environment with the objective of continually improving our processes and procedures.

**REVIEW AND APPROVAL:** This job description is intended to provide guidelines for job expectations and the employee's ability to perform the position described. It is not intended to be construed as an exhaustive list of all functions, responsibilities, skills, and abilities. Additional functions and requirements may be assigned by supervisors as deemed appropriate. This document does not represent a contract of employment, and the agency reserves the right to change this job description and/or assign tasks for the employee to perform, as the company may deem appropriate.

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### For Human Resources Use Only

Approved By:

Date Approved:

*Equal Opportunity Employer*

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