



Subsurface conditions are critical to the design, construction, and, ultimately, the viability of your project. RMT provides quality geotechnical engineering services during every phase of site development to improve your project's performance criteria, shorten your project schedule, and reduce construction costs.

Sound Geotechnical Solutions

RMT's geotechnical staff applies the principles of soil and rock mechanics and resistivity, hydrogeology, and regulatory expertise to perform comprehensive geotechnical studies. We establish the basic soil engineering properties of strength, permeability, compressibility, and electrical and thermal resistivity to address your project's geotechnical concerns.

From project initiation to completion, RMT provides extensive geotechnical investigation, design, and construction solutions so you can focus on your renewable energy project. Our wide range of geotechnical services includes the following:

Field Investigations

- Explorations using drilling, cone penetrometer testing, and geophysical surveys
- Borrow source investigations for construction materials, when needed
- In situ testing of soils and rock for physical, thermal, and electrical properties
- Surface water and groundwater testing
- Septic infiltration testing

Slope Stability Analysis

- Stability modeling of earth embankments, excavations, and retaining structures
- Analysis for both simple and complex stratigraphy, soil properties, and external loading conditions
- Examination of seismic and dynamic conditions
- Geohazards analysis

Foundation Reports

- Turbines
- Substations
- Transmission lines
- Solar arrays
- O&M buildings
- Shallow foundations, such as spread footings, ring walls, and mats
- Deep foundations, such as piles and caissons/drilled piers
- Subgrade stabilization/improvement design

Embankment/Fill Design

- Roadways and crane paths/pads
- Pre-load soft soil
- Retaining walls

Construction Oversight

- Compaction testing
- Foundation preparation oversight
- Construction quality control and documentation