

Electric Utility and Power Industry



SGC Engineering—A Lloyd's Register Company



Committed to engineering your best solution:

SGC Engineering (SGC) offers expertise in the planning and design of high-voltage electrical transmission lines, substations, and associated electrical distribution facilities. Utilizing our extensive experience in the electrical power generation and transmission industry, our engineers support electric utilities in all aspects of electrical power grid improvements, including the route selection, capital planning, engineering design, permitting, land acquisition, and regulatory requirements.

The advantages of engaging SGC:

- Employing our experience with power utilities, we develop a cost-effective solution to support the economics of the project.
- We meet our client's objectives, yet are sensitive to the needs of other stakeholders. As a result, projects progress through the approval process more smoothly and in less time.
- By leveraging our relationships with regional power generators and transmission companies as well as regulatory agencies, we are able to successfully navigate the early phases of a project and produce feasible and acceptable engineered solutions.
- We believe that successful projects are founded on detailed planning, sound technical judgment, thorough understanding of the goal, and a genuine regard for the client's needs.

SGC offers these services related to high-voltage electrical transmission and distribution facilities:

- Evaluation of existing power systems
- Planning and design of high-voltage transmission and distribution lines
- Route surveying and selection
- Right-of-Way and land acquisition
- Design of utility substations and control systems
- Specification and coordination of relay protection systems and power equipment
- Evaluation and design of electrical system integration
- Generation feasibility analysis and project coordination with ISOs
- Start-up/commissioning support
- Control systems specification and design
- NEPOOL/ISO-NE/RTO-NE support
- Permit and regulatory support
- Construction monitoring and oversight



SGC has first-hand experience:

We understand the technical, financial, and political challenges of constructing new T&D facilities or improving existing ones. Through our knowledge, experience, and pragmatic use of technology, we assist utilities in bringing new power infrastructure on-line. We routinely work with utilities from the initial stages of a project through the construction phase.