Wind Power

SGC Engineering—A Lloyd's Register Company

Committed to engineering your best solution:

SGC Engineering (SGC) offers expertise in the planning and design of wind power projects. Applying our extensive electrical engineering expertise, we competently design the required high voltage electrical transmission, collection and distribution systems as well as the associated substations and control facilities. For many projects, access to remote locations across rugged terrain is required to build and maintain the infrastructure. Our civil engineers and land surveyors are instrumental in the layout, design and permitting of access roads, turbine and transmission line rights-of-way, and substation site development.

SGC offers these services related to Wind Power:

- Project management and consultant coordination
- Site and access evaluation
- Road design
- Generation feasibility analysis
- Evaluation of existing infrastructure
- High voltage transmission and collector design
- Route selection
- Right-of-Way and land acquisition
- ISO study / coordination
- ISO/RTO support
- Design of substations and control systems
- Specification / procurement of equipment
- Erosion control planning
- Permit and regulatory support
- Construction monitoring
- Start-up / commissioning support

The advantages of engaging SGC:

- Utilizing our direct experience with power generators and transmission utilities, we work diligently to understand our client's goals and the project constraints that exist, and to develop a cost-effective solution.
- We focus on our client's objectives and yet are sensitive to the needs of other stakeholders. This allows projects to progress through the approval process more smoothly and in less time.
- By leveraging our relationships with regional power generators, transmission companies, and regulatory agencies, we are able to successfully navigate the early phases of a project and produce feasible and acceptable engineered solutions.

SGC has first-hand experience:

We understand the unique technical, financial, and political challenges of siting and building wind power projects. Because private developers typically take the lead on these projects, the feasibility of the project must be evaluated quickly and soundly. With the pragmatic use of technology and experienced staff, we are able to support project developers from the initial stages of a project through construction.

(800)-581-4031