Aging infrastructure, increased energy demands and emerging markets have fueled the growth of transmission, substation and wind/renewable energy projects all over the country. Due to the specialized technical nature of these projects, a high level of technical expertise is required to help lower costs and increase profit.

Grid Solutions from Border States provides the expertise, proactive support and careful attention to detail needed to complete your project efficiently, on budget and on time.
Border States has been supplying products and services since 1952.

We are one of the largest independent electrical distributors in the United States. Our extensive inventory and our investment in people and technology allow us to deliver the right products—where you need them, when you need them.

Our specialized Grid Solutions projects team uses a project management approach to provide customers with products, value-added services and material management solutions for substations, power transmission projects, wind and solar energy projects, data and communications underground contracting and high-voltage related industrial projects.

To work with a team focused on your needs, call 602.797.4753.
PRE-CONSTRUCTION SERVICES
In the initial planning phase of your project, we work with you to ensure compatibility and accuracy of the materials and pricing. We provide complete bid packages, including bill of material, estimated costs, suggestions for alternates and delivery schedule. During this phase of the project, we help you find cost reduction opportunities and solutions to the challenges of remote asset management to ensure your project’s success.

STAGING AND KITTING
We simplify your on-site work by providing staging and kitting of your materials. Minimize job site damage and reduce shrinkage by using our job site material staging capabilities. We deliver based on your work schedule and project plan, helping you keep your project on budget and on time.

JOB SITE DELIVERY AND BACKHAULING
From delivery vans to flat-bed semitrucks, our extensive fleet ensures that your materials are on time and where you need them. How material is off-loaded is important. Whether it’s a specialized utility truck or the services of a flat bed truck with a truck-mounted forklift, we provide precise placement to help you be more productive and efficient.
PROJECT CLOSEOUT

At the end of the project, we want to make sure we delivered on what we promised and met your expectations for material management during each phase of the project. We assist in closing all steps to complete your project, which includes providing a material report, coordinating returns and conducting a “lessons learned” review for materials.

SUPPLY NETWORK

Dealing with long lead times makes it difficult to coordinate the deliveries of all the materials you need. We can utilize our branch network to stage and store your materials to meet your project’s needs. Then we’ll have it on site when you need it. We understand the impact material shortages have on crew productivity.

JOB SITE/PROJECT MANAGEMENT TRAILERS

We can package the materials required for your project and deliver a fully stocked trailer directly to the job site—right where you want it. Our trailers are well lit with sturdy shelving. The material is organized, and your work crews stay focused on completing the job; they’re not pulled away to locate, receive or put away material.

With multiple deliveries to different contractors in a laydown area, you can easily lose track of material. Our signature-capture technology for receipt of material puts the signature of the person who signed for the delivery on the invoice, making it easier to locate material. And remote asset tracking with SkyBitz technology means that you always know where your equipment and materials are, no matter how remote your job site is. Monitor your site from wherever you are and know that your site is secure and your materials are where they are supposed to be.
WE HAVE YEARS OF EXPERIENCE WORKING WITH LARGE-SCALE SOLAR AND WIND PROJECTS AROUND THE COUNTRY.

- We understand the fast-paced nature of renewable energy jobs and react very quickly.
- Our large wind-energy material inventory allows us to ship material right away.
- We deliver materials to remote job sites.
- Our locations are aligned in wind and solar hot spots around the country.
- We work with best-in-class wind and solar material vendors.
- We are your one-stop solution for renewable energy; we can help with substations, collector systems and transmission lines.

**United States annual average wind power**

![Wind Power Map](image)

**Average daily solar radiation per month (December)**

![Solar Radiation Map](image)
TRANSMISSION/DISTRIBUTION
- Conductor
- Optical ground wire
- Steel and wood structures
- Line hardware
- Guying and anchoring
- Terminations and splices
- Insulators and arresters

SUBSTATION
- Switchgear and apparatus
- Transformers
- Bus and bus connectors
- Insulators and arresters
- Substation steel
- Ground grid
- Cable and control wire
- Trenches and control houses

COLLECTION SYSTEMS
- Elbows
- Splices
- Terminations
- Arresters
- Junction boxes and box pads
- Grounding
- Wire and cable
- Fiber optics
- Conduit and accessories
- Transformers