



POWER & ENERGY OVERVIEW

WHY ATWELL?

- Local expertise, national reach
- Industry knowledge
- Dedicated experts and teams
- Full-service resources
- Aggressive, passionate professionals
- Nimble, flexible structure

CAPABILITIES

- Land & Right-of-Way Solutions
- Desktop Studies
- GIS & Mapping Studies
- Power Studies
- Land Surveying
- Natural Resources
- Site & Corridor Investigations
- Routing Services
- Power Engineering
- Permitting Strategy
- Civil Design
- Transmission Line Design
- Substation/Switchyard Design
- Procurement
- Construction Management
- Program Management
- EPC/EPCM
- Public & Stakeholder Outreach
- Distribution Design Services
- Commissioning
- Post-Construction Monitoring

The unprecedented expansion and diversification in the power generation, delivery and distribution markets have changed the landscape of development requirements, options and projects. Atwell has built a team of experienced power engineering, land development and construction professionals who combine the agility and responsiveness necessary to meet aggressive deadlines with a dedication to risk management, public safety and quality results.

POWER GENERATION – TRADITIONAL AND RENEWABLE POWER EXPERTS

Atwell represents diversified power and utility providers, with many owning and developing diverse portfolios including both traditional and renewable power generation facilities, in addition to other energy related endeavors. The team's project expertise includes large-scale wind and solar projects nationwide; coal generation facilities; Liquid Natural Gas (LNG) and Compressed Natural Gas (CNG); cogeneration operations and distributed power generation systems.

POWER DELIVERY – TRANSMISSION AND DISTRIBUTION SOLUTIONS

Our clients range from local rural cooperatives to publicly traded utilities. No matter the size or focus, their goal is the same: to extend safe, effective transmission and distribution systems to their regional customer base. Expansion of power generation markets has created the need for new and expanded networks, system upgrades and design innovations. Our team combines land services, power engineering and full-service consulting and construction management resources to deliver results and confidence to your critical initiatives.

Atwell arms your team with solutions that surpass, from initial land prospecting through facility commissioning.



PROOF POSITIVE

Mighty Wind Power

Among the hundreds of wind energy projects Atwell has supported since 2008 is a two-phase wind energy facility in the Great Lakes region for a national power producer. Serving as the lead design consultant and construction manager, Atwell supported this 220MW wind energy project from

concept through construction, including preliminary avian and ecological studies, site selection support, design engineering and permitting activities, construction management and post-construction monitoring.

The result: 135 turbines are online, supported by 24 miles

of access road, 2.1 miles of new overhead transmission lines, 95 miles of underground collection lines, a new substation and a 5,000-square-foot operations facility. It is estimated that the result of this singular facility is enough power to run 100,000 households.

Supporting Solar Energy

We uncover early project data quickly so clients can maximize opportunities by making informed decisions and avoiding costly surprises. A current solar energy project in Texas highlights how Atwell helps renewable developers get projects off the ground.

In the preliminary phases of a proposed 100MW solar facility, Atwell was able to streamline technical field surveying evaluations, land owner outreach, title research and other site evaluation activities. This support helped the client determine an optimal project site within a

four-county region. Our teams were mobilized and making evaluations less than a week after initial project discussions. Land agents helped to identify and secure 650 acres and supported negotiations for five miles of transmission right-of-way.

Innovations in Power Generation

Atwell is supporting an emerging power generation company creating natural gas distributed power facilities throughout the Northeast and Mid-Atlantic regions of the United States. By providing thorough critical

issue analyses and other due diligence, permitting and development activities, Atwell is assisting in the construction of small-scale power generation systems, up to 20MW, that supplement grid power, increase

access to low-cost power, create markets for natural gas providers, and create jobs and opportunities for the communities where natural gas is produced.

We strive to **work seamlessly** between market sector teams and locations to **deliver the resources** you need, when you need them.