



POWER DELIVERY

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 Services
- Power Studies
- Land Surveying
- Natural Resources
- Corridor Investigation & Mapping Services
- Routing Services
- Permitting Strategy
- Civil Design
- Transmission Line Design
- Substation/Switchyard Design
- Procurement
- Construction Management
- Program Management
- EPCM
- Public & Stakeholder Outreach
- Distribution Design Services
- Monitoring

COMPLETE SOLUTIONS FOR COMPLEX PROJECTS

Atwell's power delivery team provides project planning and power studies, power engineering, design and permitting strategy, controls and maintenance for transmission, substation and distribution systems. The combination of site development, power engineering and construction management brings your project online through a single source.

TRANSMISSION

The team's unique combination of land services, power engineering and full-service consulting offers clients the expertise and streamlined services designed to anticipate and overcome regulatory and technical challenges on complex transmission projects.

DISTRIBUTION

Continuing the power delivery process, Atwell supports the design and construction of distribution networks for electric utility providers. The firm's land agents and surveyors are a critical resource, supporting the upgrading and expansion of existing systems.

PROOF POSITIVE

Making Connections

A project in the western United States required complete design solutions for four 230kV circuit breaker ring bus configurations for a 684MW power plant. The system included three transformer terminals and one transmission line terminal; one mile of bundled conductor 230kV transmission line; and existing substation modifications for interconnection of transmission lines.

The complete switchyard engineering scope included equipment layout, bus system design, structural steel design, foundational design, cable trench and conduit system, grounding system design, control building structural design, control building electrical design, relaying, SCADA design and wiring design.