



# POWER GENERATION

## 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 Services
- Land Surveying
- Natural Resources
- Site Investigation Services
- Micrositing & Layout
- Permitting Strategy
- Civil Design
- Balance-of-Plant Design
- Power Engineering
- Construction Management
- Program Management
- EPC
- EPCM
- Construction Monitoring
- Commissioning
- Post-Construction Monitoring
- As-Builts

## COMPLETE SOLUTIONS FOR COMPLEX PROJECTS

In the power generation space, Atwell provides consulting, engineering and construction services to support sophisticated projects and supporting infrastructure. Responsible for the planning, design and permitting strategy of hundreds of generation development projects in North America, we focus on the following areas:

### TRADITIONAL POWER

Planning, design, permitting and construction management of new, expansion and redevelopment of generation facilities such as coal, cogeneration, hydro, Liquid Natural Gas (LNG) and Compressed Natural Gas (CNG).

### RENEWABLE POWER

Complete research, planning, design, permitting and construction management of greenfield and infill facilities – wind, solar, biomass or hybrid.

### PROOF POSITIVE

#### Supporting Supplier Manufacturing Facilities

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
- 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.