



ELECTRIC SYSTEM PLANNING, ANALYSIS & CONSULTING

OUR SOLUTIONS

EN Consulting is a leader in electric power system consulting. Our dedicated team of consultants are recognized industry leaders with unparalleled expertise, real-world experience, and depth of knowledge in the areas of electric generation, transmission, distribution, transportation, battery storage, and renewable energy. We have extensive experience with complex transmission projects, HVDC and FACTS system solutions and can provide the services needed to support these projects from inception to commissioning.

We offer a comprehensive suite of planning, analysis, and consulting services that identify, explain, and solve technical issues. In addition, our team can assist with project conception, development, and planning, and share their



expertise on technical, regulatory, and operational aspects of electric power systems. We partner with our clients from project conception to completion and provide consulting services in the following areas.

Strategy and Planning

- Utility-scale transmission and distribution planning studies
- Large generator and merchant transmission interconnection studies
- Renewable resource and energy storage interconnection studies for transmission and distribution
- Project feasibility and screening studies
- Cost allocation studies and methodologies
- Business model feasibility and development
- Economic decision-making analyses
- Understanding electric markets and commercial aspects of power systems

Conception and Development

- Project scope development and refinement
- Conceptual design development
- Stakeholder identification and strategies
- Comprehensive economic evaluations
- Regulatory process preparation, testimony, and support
- Site investigations and evaluations
- Technical and commercial contract development and negotiation

Project Management

- Scheduling and budgeting
- Interface management and coordination
- Project controls and quality assurance
- Commissioning coordination and support
- Construction observation
- Witnessing of equipment tests
- Owner's engineer services



Engineering

- Technical feasibility and analyses of expected performance
- Performance optimization
- Preliminary engineering and technical studies
- Operation and maintenance system and procedure refinement
- Root cause failure analyses
- Expert testimony
- Technical training

Due Diligence

- Facility and equipment inspections and evaluations
- Support of merger and acquisition activities
- Insurance and risk management evaluations
- Banker's engineer services