



ULTEIG TRANSMISSION PLANNING STUDIES:

WE LOOK AHEAD TO KEEP OUR CLIENTS AHEAD.

In the rapidly evolving energy market, our clients rely on Ulteig's expertise to help them make informed decisions and weigh the many alternatives available.

Ulteig's depth of experience and knowledge of the regulatory environment makes us well positioned to conduct a wide range of studies in transmission, distribution, generation interconnection and economic feasibility, from coast-to-coast. Our team of highly-qualified studies engineers provide insightful analysis to help guide you in your decision-making, advising you of potential pitfalls and future project considerations. We manage all aspects of these studies in-house, which results in efficient stakeholder collaboration and gives you direct and reliable access to our team.

Efficient collaboration is not limited to Ulteig's studies team. Ulteig can be your one-stop-shop, combining substation facilities evaluation with planning studies and GIS visual mapping to deliver efficiencies from conceptualization to project start and beyond. For example, studies engineers collaborate with Ulteig's GIS team to provide a map of generation applications/ retirements and type, or uncommon load growth/decline and type, with the final deliverable showing trending issues for transmission upgrades. This data helps our clients prioritize projects during the vetting process for the annual transmission plan and provides insight for streamlined management of interconnect developers.

BETTER PLANNING. BETTER OUTCOMES.

TRANSMISSION

- Transient and dynamic stability studies
- Power flow and contingency analysis
- Economic conductor analysis
- Insulation coordination studies
- Fault current studies
- Wide area studies for multi resources
- NERC compliance studies
- NERC TPL P6 multievent with intermediate system adjustments
- Specialized studies
- Cascading failure analysis
- Critical clearing time verification studies
- Transmission line path studies
- Mitigation solutions for multiple voltage and thermal violations
- Verification studies with alternatives
- Complete network dynamic stability studies for new/retired generation and critical clearing times
- Complete network dynamic stability studies for NERC 754 critical clearing and cluster studies

ECONOMIC STUDIES

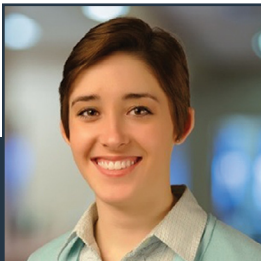
- Energy loss evaluation
- Economical conductor studies
- Reactive compensation equipment comparison

CAPACITOR BANK SWITCHING STUDIES

- Transient recovery voltage (TRV) studies
- Fuse/breaker coordination studies

GENERATION INTERCONNECTION

- Solar/wind project modeling
- Transfer limits
- Transportation studies
- Ride-through studies
- Small generator interconnection studies
- GIS wind studies
- Utility-scale solar/wind project interconnection support
- Reactive power compensation sizing studies
- Best location studies based on injection size
- Development of operating procedures and guidelines regarding electrical equipment



Tahnee Miller
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CONTACT US ABOUT YOUR NEXT PROJECT

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ABOUT ULTEIG

Ulteig delivers comprehensive design engineering, environmental planning and solutions, program management and technical and field services that strengthen infrastructure vital to everyday life. Ulteig connects people and resources to develop compelling, integrated solutions across multiple Lifeline Sectors®, including power, renewables, transportation and water. Ulteig's footprint spans the country and leverages its expertise with a wide range of public and private clients. Learn more at ulteig.com.



We listen. We solve.®