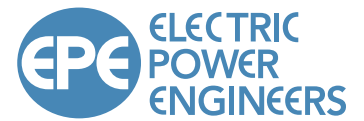


Design Studies



Elevating Renewable Energy Performance

EPE's expert design studies team can help optimize your assets by performing various dynamic, steady-state, and transient studies.

DESIGN/SYSTEM STUDIES

- Reactive Power Compensation Study
- Insulation Coordination Study, Lightning, TOV, and TRV
- Slow Front and Fast Front Transient Studies
- GIS Substation Studies (Very Fast Front Transient Study)
- Transformer Inrush Current and POI Rapid Voltage Change (RVC) Studies
- Flicker and Power Quality Study
- Power and Energy Loss Study
- Substation Layout Optimization Study
- Effectively Grounded Analysis
- Capacitor Bank Size Optimization
- Capacitor Bank Step Sizing
- Cable Thermal Ampacity Analysis
- AC and DC Arc Flash Hazard Analysis
- Load Flow Analysis
- Short Circuit Study
- Protection Relay Coordination Study
- Inductive Coordination Study
- Pre- and Post-Energization Harmonic Studies/Evaluations
- System Protection Philosophies
- P50 PVSyst Production Estimate Report and Study
- Grounding Study

Addressing the Unique Needs of Your Industry Through Insight and Innovation

UTILITIES AND POWER DELIVERY

Increase efficiency and ensure accuracy by leveraging detail-driven consultants to perform power system studies and guide strategic future-focused decisions across grid modernization and transmission and distribution (T&D) planning to continue to serve electric consumers reliably and economically.

POWER GENERATION AND RENEWABLES

Gain high-quality project development and interconnection process support with a team of power generation consultants who are highly experienced in tasks including technical, economic, and feasibility studies, plant modeling and project design, market analysis, and site selection.

DISTRIBUTED ENERGY RESOURCES

Plan, study, and design DER and demand flexibility programs and strategies for electric networks that incorporate grid modernization and systems integration, T&D planning, and interconnection while accounting for customer needs and experience, navigating regulatory, technical, and policy requirements, and ensuring compliance. We empower our clients to optimize their distribution systems in an evolving environment.

ENERGY STORAGE

Achieve maximum results and ensure accuracy by depending on our full-service approach and client-centric team to assess and manage the complexities of storage projects, including program development, non-wires analyses, interconnection and market studies, and sizing optimization.

COMMERCIAL AND INDUSTRIAL

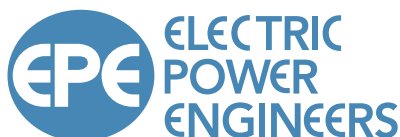
Reach sustainability and clean energy goals while reducing costs by turning to a team of power and energy experts to drive project development, lead modernization initiatives, and implement forward-thinking technologies and solutions.

GOVERNMENTS AND UNIVERSITIES

Drive key initiatives, including grid modernization, and interconnection, while maximizing resources. Benefit from our extensive experience in regulatory spaces and with government entities, exemplified by our guidance on policy and ratemaking decisions for public utilities commissions, collaborative research efforts, federal grants, and expertise in T&D planning. Partner with us to lead the way in driving innovation and policy guidance for a brighter energy future.

CONTACT US TO LEARN MORE ABOUT AN EPE PARTNERSHIP TODAY

contact@epeconsulting.com | 512.382.6700 | EPEConsulting.com



Electric Power Engineers, LLC (EPE) partners with power and energy clients across the globe to address complex engineering and grid modeling challenges, bridge gaps, and design and develop the grid of the future. Offering comprehensive services and proprietary solutions, our client-centric consultants deliver unmatched expertise and results by treating each project as if it were their own.