



T&D ENGINEERING AND CONSULTING

At RMS Energy, we specialize in providing comprehensive power system consulting services to ensure reliability, efficiency, and sustainability in energy solutions. With a team of experienced professionals and cutting-edge technology, we deliver unparalleled expertise in power system planning, engineering, and strategic studies.



OUR SERVICES

⚡ MODELING

- Steady State and Dynamic
- Protection and Controls
- Electromagnetic Transient (EMT)

⚡ TRANSMISSION SYSTEM PLANNING & ANALYSIS

- Reliability and Resiliency Analysis
- Siting Analysis and Injection Analysis
- Stability Studies
- Economic Dispatch and Optimization
- Flexible AC Transmission Systems (FACTS)
- HVDC System

⚡ IBR READINESS SERVICES (RENEWABLES RESOURCES)

- Technology Assessment (e.g., Grid Forming Technology)
- Gap Analysis of Grid Codes
- IBR Impact on Protection System
- Grid Forming Technology

⚡ DESIGN & SYSTEM STUDIES

- Power Flow and Ampacity Study
- Short Circuit and Equipment Duty
- Harmonic and Flicker Studies
- Arc Flash and Protection Coordination
- Insulation Coordination and Lightning Studies
- Temporary Overvoltage (TOV) Study
- Transient Recovery Voltage (TRV) Study
- Switching Overvoltage (SOV) Study

⚡ DISTRIBUTION SYSTEM PLANNING & ANALYSIS

- Performance Planning and Operations
- Non-Wires Alternatives (NWA)
- Microgrid Design, Modeling, and Studies
- Electrification Planning and Analysis

⚡ GENERATION & LOAD INTEGRATION

- Interconnection Studies and Applications
- Feasibility Studies
- System Impact Studies
- Compliance Services
- Commissioning Services
- Owner's Engineer Services

⚡ PROTECTION, CONTROL & AUTOMATION

- Relay Settings Preparation
- Protection Scheme Design
- Protective Device Selection
- Substation Automation
- SCADA System Design
- Distributed Energy Resource Management Systems (DERMS)
- Wide-Area Protection Coordination Studies (WAPC)

⚡ REGULATORY & COMPLIANCE SUPPORT

- NERC Compliance (PRC/CIP)
- ISO/RTO Consulting including CAISO, MISO, ERCOT, PJM, SPP, NYISO, and ISO-NE

WHY CHOOSE RMS ENERGY?



EXPERTISE



CUSTOMER FOCUS



INNOVATION



RELIABILITY



SAFETY



Connect with us to learn more about how we can support your power system needs and help you achieve your energy goals.



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