



MODELING & BENCHMARKING

RLC Engineering specializes in ensuring power system developers are able to seamlessly integrate their projects into the complex energy grid. Our suite of modeling and benchmarking services caters directly to developers seeking assistance with interconnection applications to Independent System Operators (ISOs), Regional Transmission Owners (RTOs) and electric transmission and distribution utilities. These models provide the essential backbone for feasibility and system impact studies. RLC engineers are proficient in PSSE, PSCAD, ASPEN and PSLF models. With the stricter technical demands of FERC Order 2023, we leverage our extensive experience and stellar reputation to equip developers with accurate technical data, ensuring smooth participation in cluster studies.

MODELING AND STUDIES SERVICES INCLUDED:

- **PSSE-PSCAD Benchmarking**
Imperative for interconnection applications; provides well-tuned models for ISO system impact studies.
- **Limited Stability Analysis**
For identifying potential adverse impacts due to the interconnecting project and if any upgrades may be needed for the interconnection.
- **Model Review Evaluation**
For pinpointing model performance issues and provide effective solutions.
- **Model Migration**
Converting user-defined Siemens PTI PSSE models to NERC MOD-032 compliant standard library models, and benchmarking the models to ensure optimal performance across diverse system conditions.



EMPOWERING ENERGY SOLUTIONS
for the future...today

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