

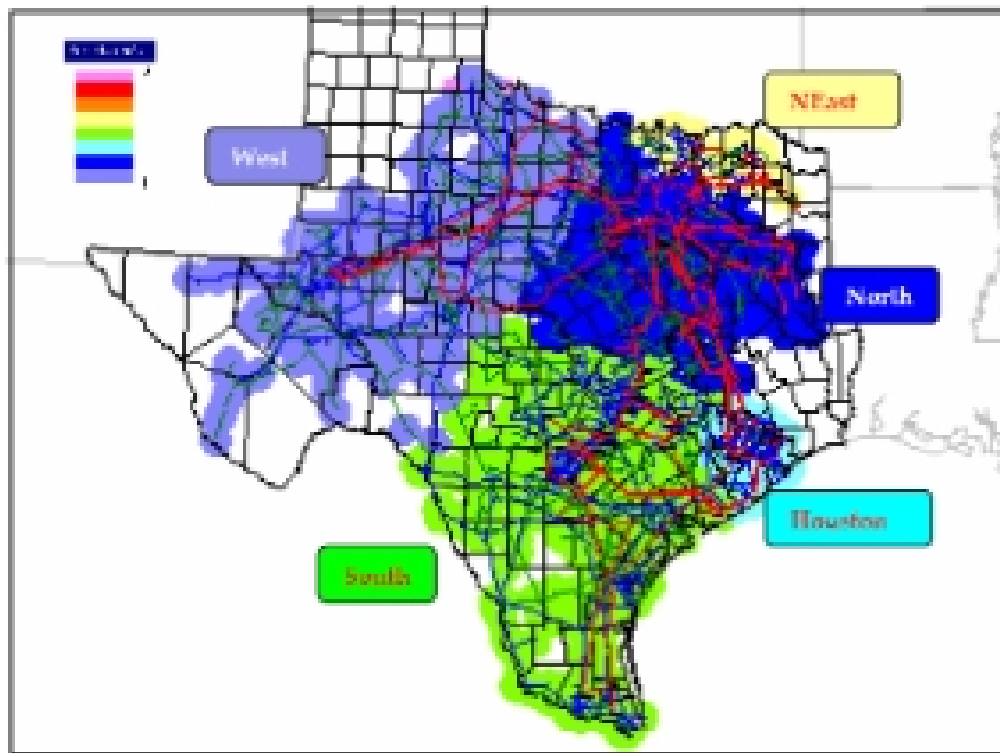
Generation Adequacy Planning in Multi-Area Power Systems

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Outline

- Overview
 - Multi-area power systems
 - Reliability indices
 - System modeling
- Problem statement
- Problem formulation
- Implementation
- References

Multi-Area Power Systems



<http://www.ercot.com/>

- Consists of generators, transmission lines, and load.
- Power systems can be divided geographically into several areas.
- Each area has its generation units, transmission lines in the area, and load.
- Tie lines are transmission lines that interconnect from one area to another.