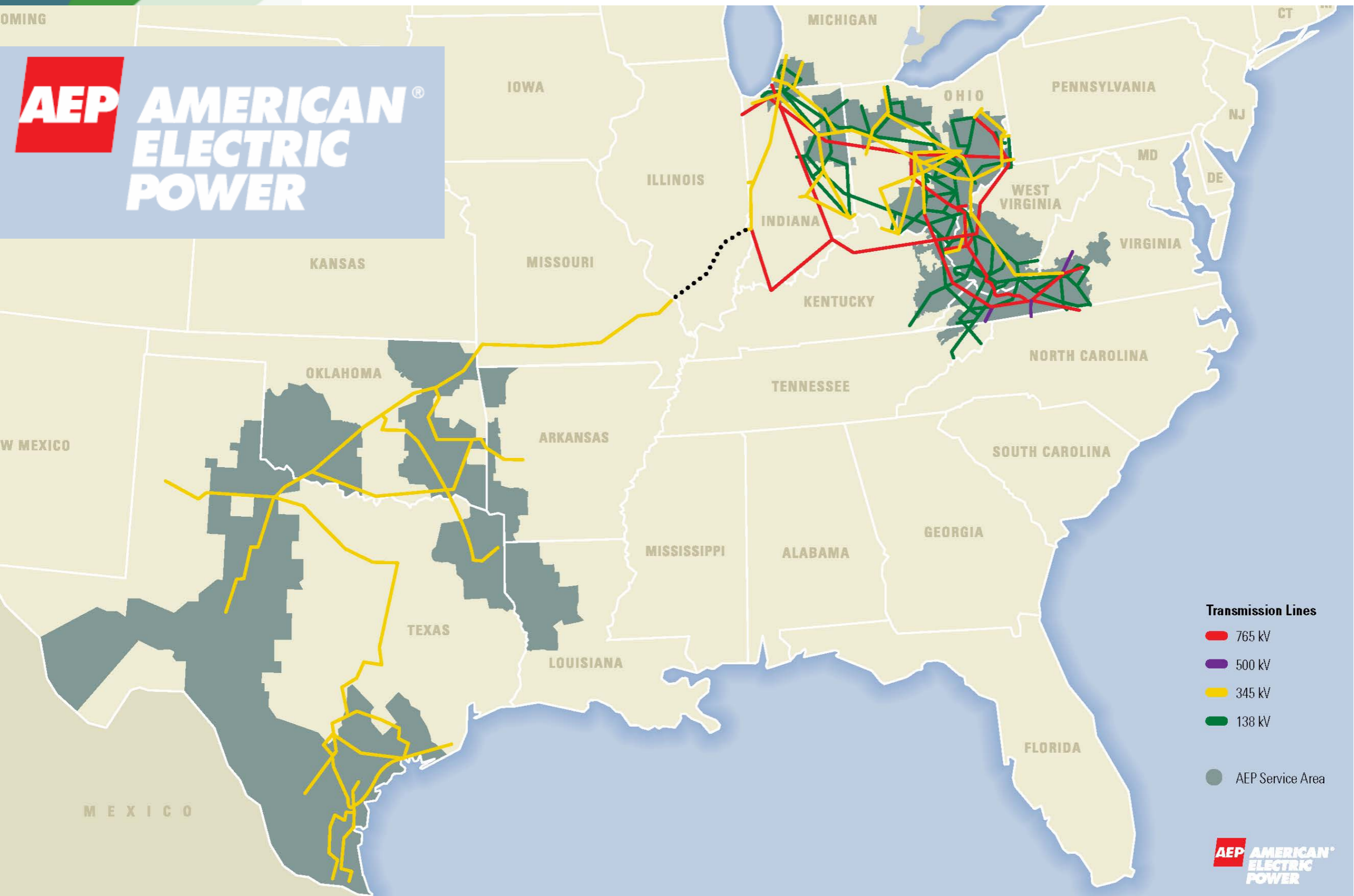


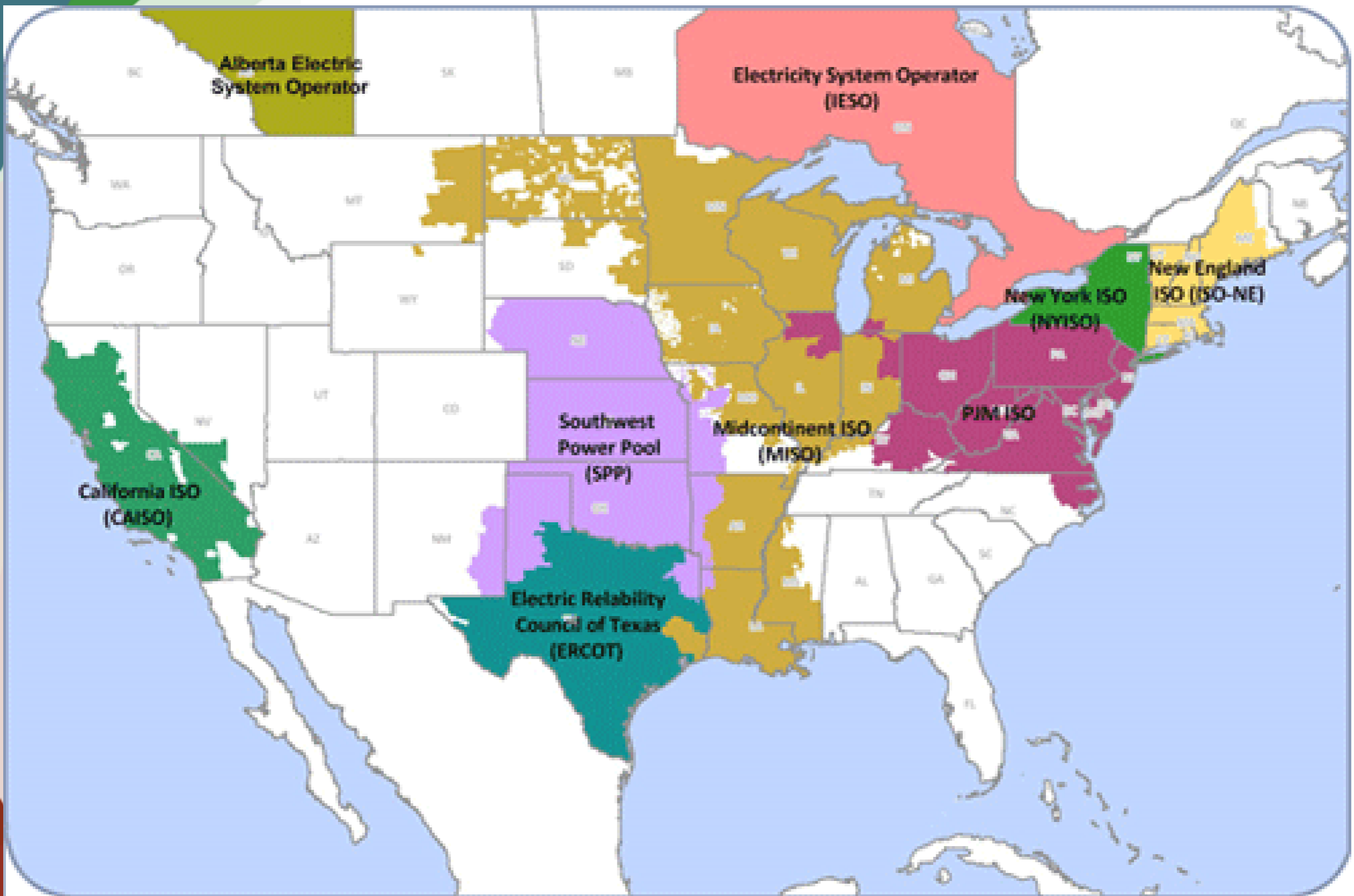
AEP Transmission

Brian Johnson, P.E., PMP
Project Manager

AEP Service Territory



RTO Map



AEP's Focus on Transmission

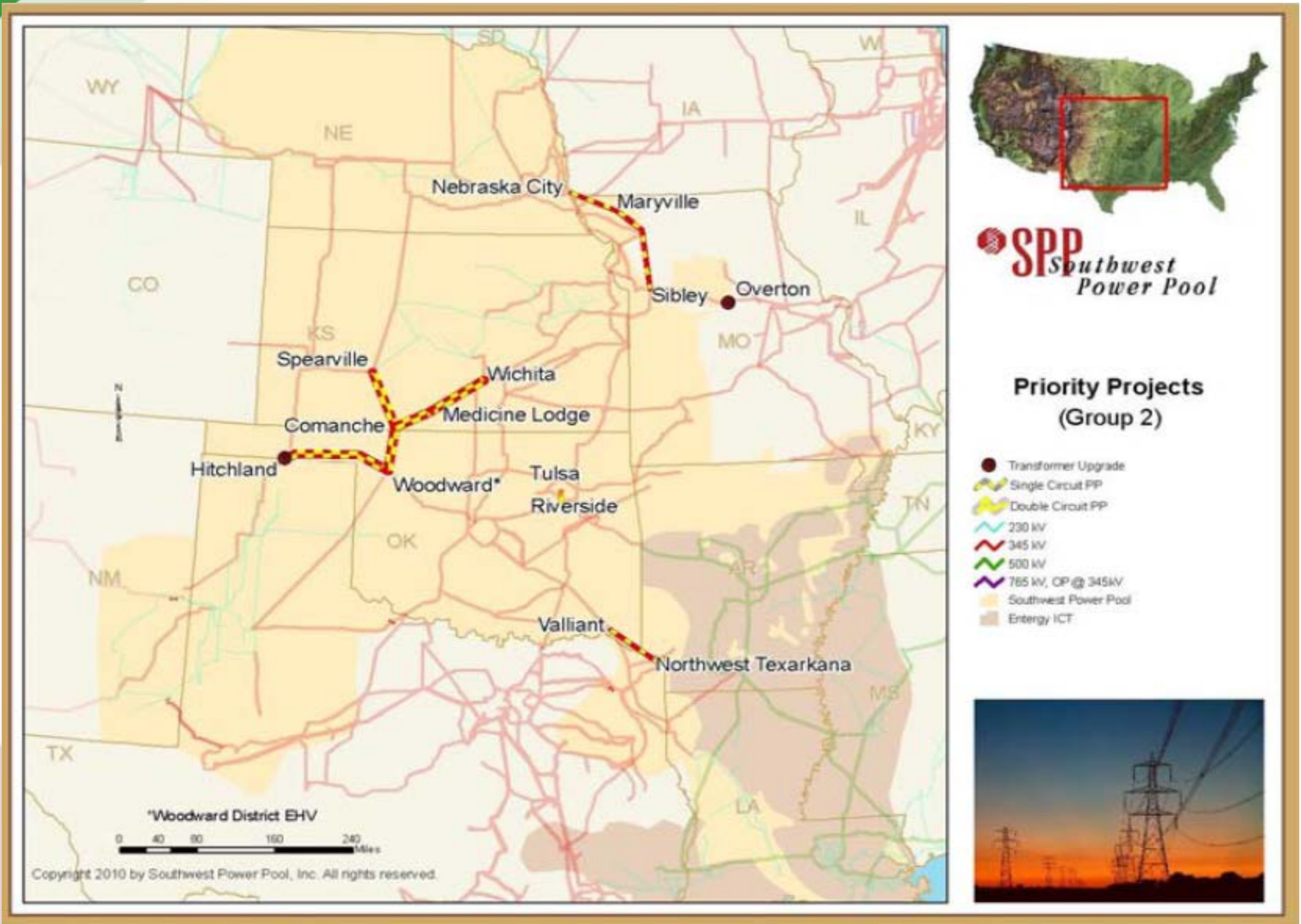
- Regional Projects
- Local Reliability Plans
- Aging infrastructure
- Customer-Driven Projects

SPP Priority Projects

Create a robust, flexible and cost-effective transmission system for the SPP region

- Improve regional electric grid by reducing congestion on the power lines by constructing high voltage lines
- Integrating East and West regions of the grid
- Improve the ability to deliver power to customers
- Facilitating the addition of new renewable and non-renewable generation to the electric grid

SPP Priority Projects



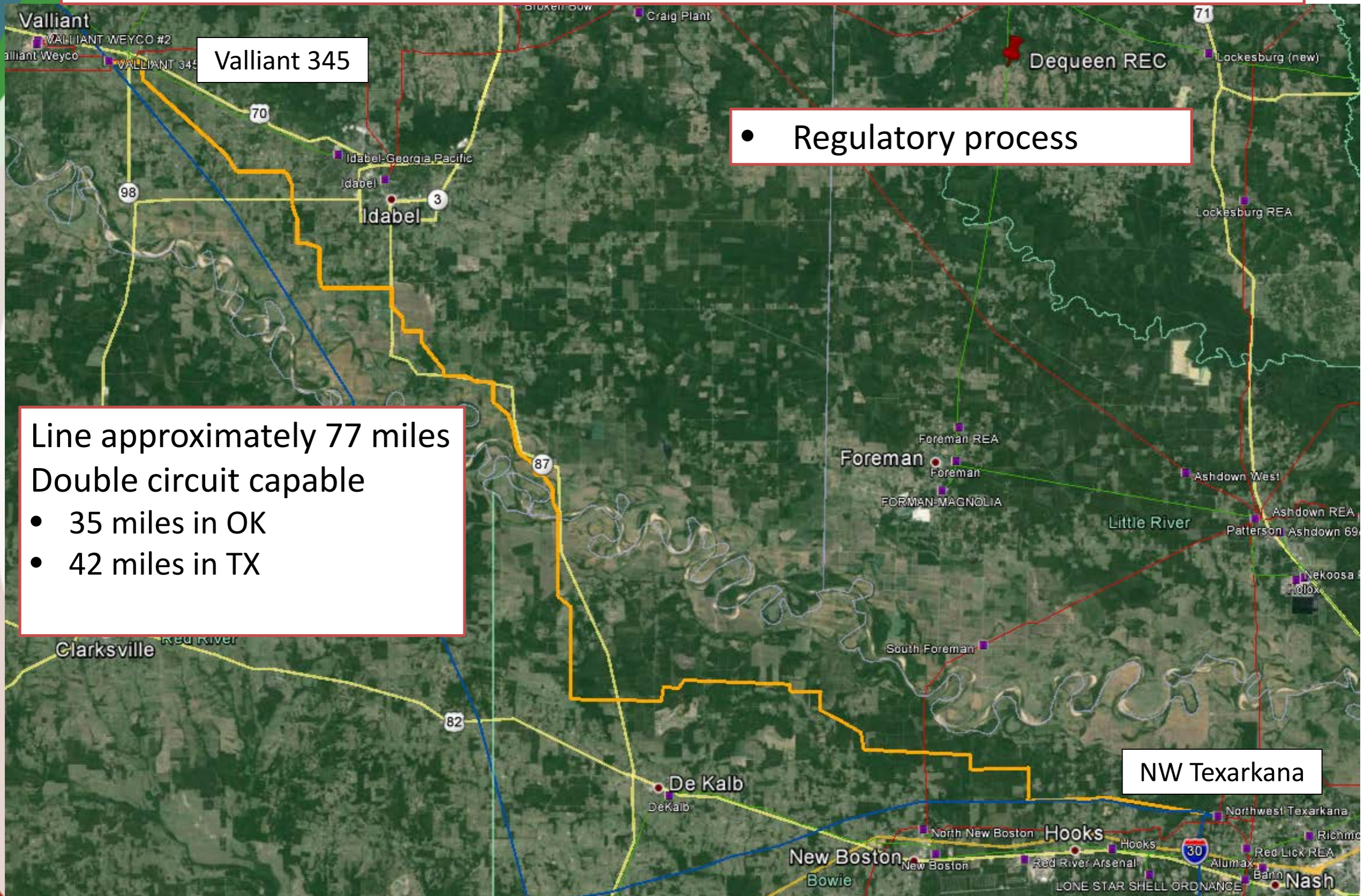
SPP Southwest Power Pool

Priority Projects (Group 2)

- Transformer Upgrade
- Single Circuit PP
- Double Circuit PP
- 230 kV
- 345 kV
- 500 kV
- 765 kV, OP @ 345kV
- Southwest Power Pool
- Energy ICT



Valliant – NW Texarkana 345 kV



Line approximately 77 miles
Double circuit capable

- 35 miles in OK
- 42 miles in TX

- Regulatory process

Timeline of an EHV Project

SAMPLE EXTRA HIGH VOLTAGE TRANSMISSION LINE PROJECT SCHEDULE

