

BOUNDLESS ENERGYSM

Aspen Institute

July 1, 2018

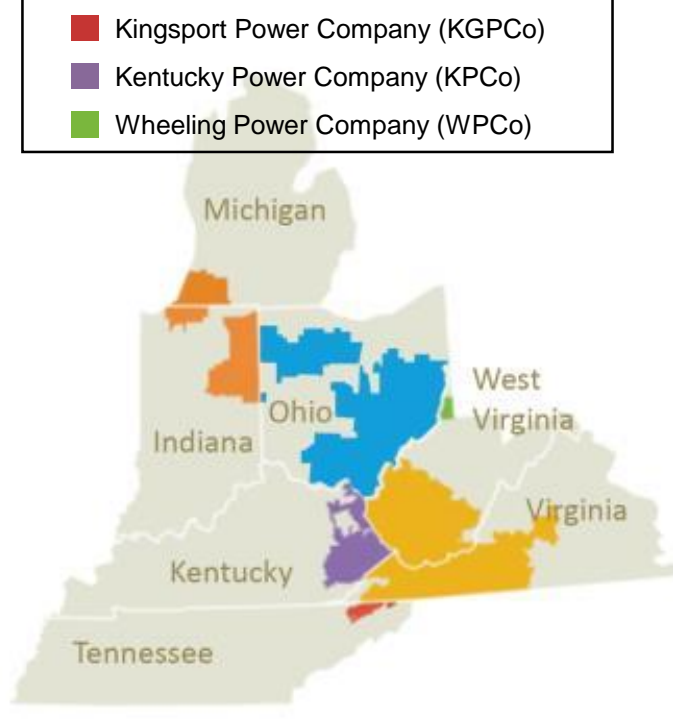
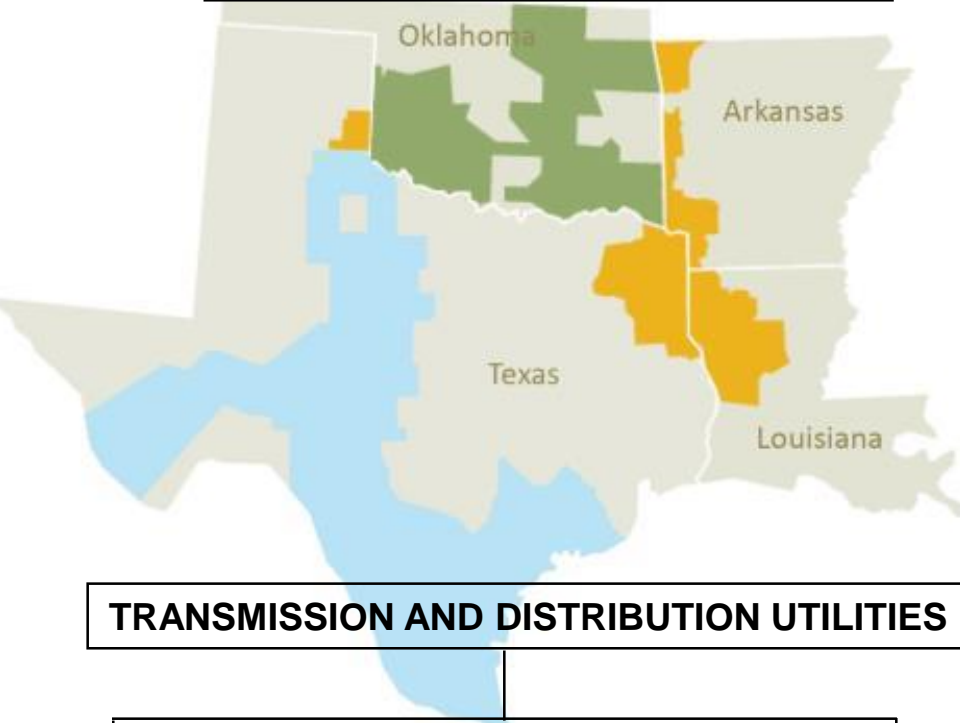
**AMERICAN
ELECTRIC
POWER**

AEP SERVICE TERRITORY

VERTICALLY INTEGRATED UTILITIES

- Public Service Company of Oklahoma (PSO)
- Southwestern Electric Power Company (SWEPCo)

- Appalachian Power Company (APCo)
- Indiana Michigan Power Company (I&M)
- Kingsport Power Company (KGPCo)
- Kentucky Power Company (KPCo)
- Wheeling Power Company (WPCo)



TRANSMISSION AND DISTRIBUTION UTILITIES

- AEP Texas

- Ohio Power Company (OPCo)

- Reduced CO2 by 44%
 - Retired >7200 MW of Coal
 - 2015 - 70% Coal
 - 2017 - 47% Coal
 - 4.1 GW Solar & Wind
 - EE/DSM
- Capacity Additions Through 2030
 - Wind + 5.3 GW
 - Solar + 3 GW
 - Natural Gas + 1.4 GW
- Reduction Goals
 - 60% by 2030
 - 80% by 2050
- CCS Demonstration Project

Investments Focus Areas

- Columbus Smart City
 - MicroGrids
 - Smart Street Lighting
 - EV Program
 - Power Forward
- Community Solar
- Tech Investments
 - NRG Storage
 - Distributed Generation
 - Grid Software
 - VC Funds
- Transmission
- Grid Modernization & Hardening
- Customer Experience
 - Mobile Applications
 - Multichannel
 - Customer Journeys
 - Multiple EE Programs
 - Home Energy Management
 - Smart Home