

Potential Reliability Impacts of EPA's Clean Power Plan Phase II

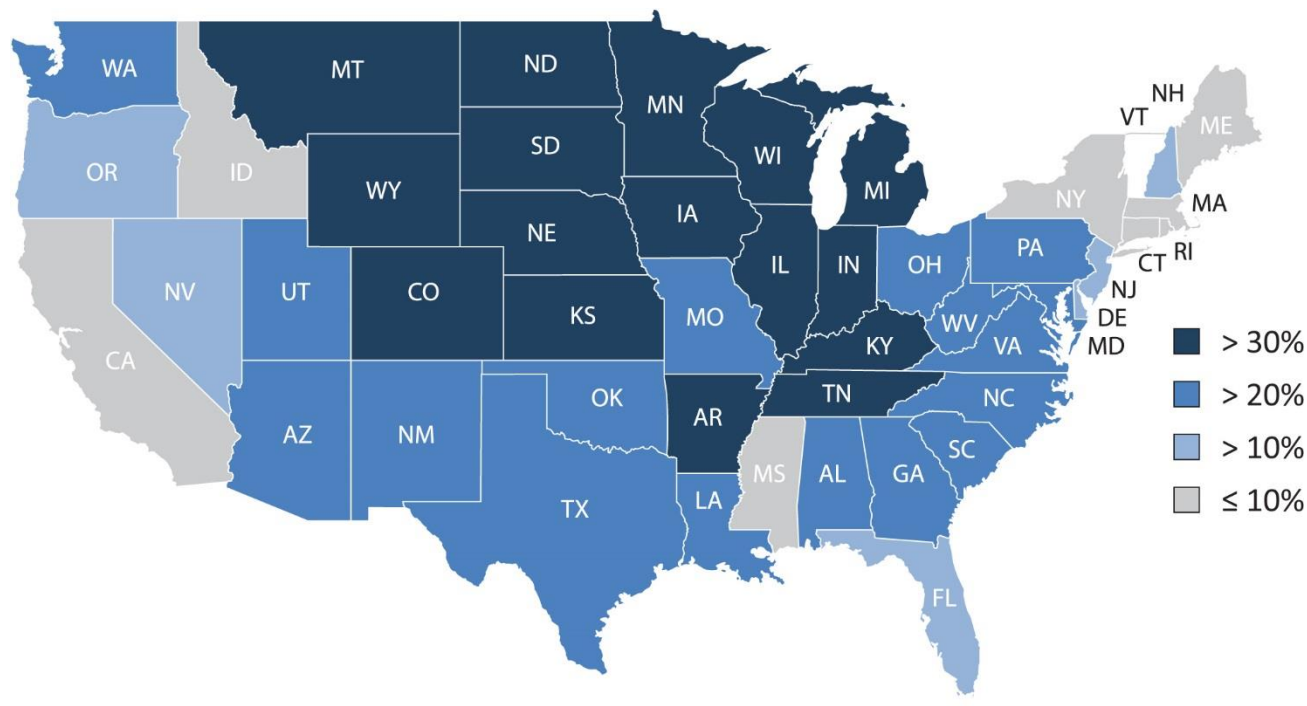
Thomas Coleman, Director, Reliability Assessments
May 23, 2016
Southern States Energy Board

RELIABILITY | ACCOUNTABILITY

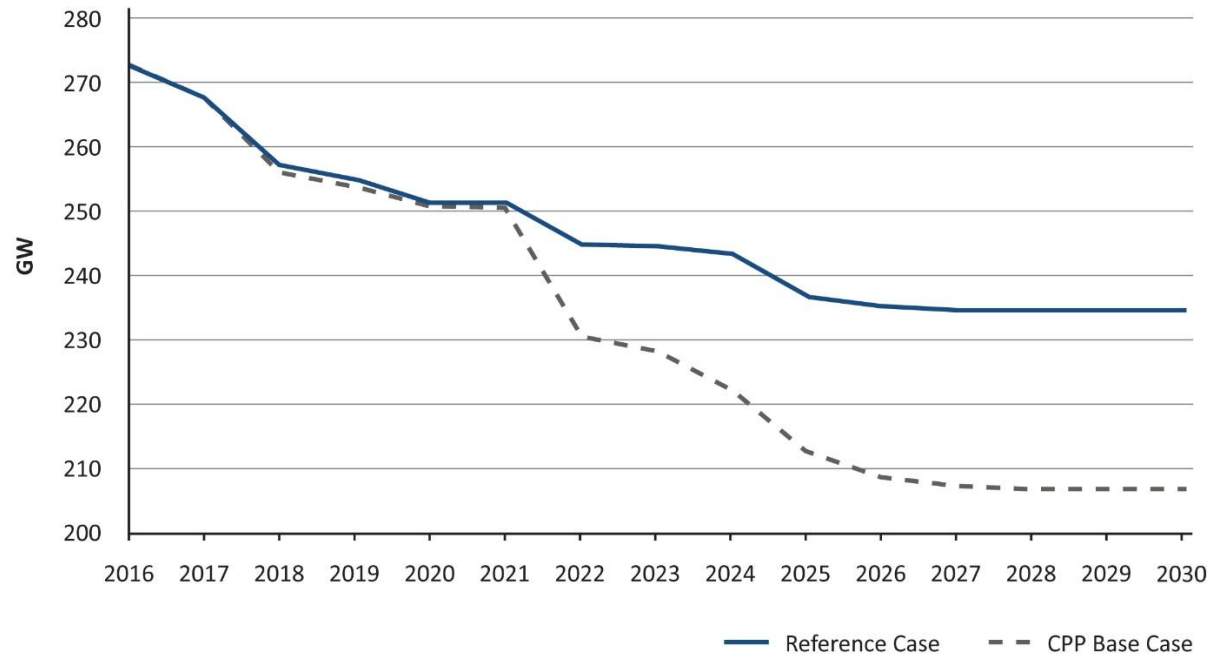


- Developed through collaboration with stakeholders to inform policy discussions and highlight potential risks to BPS reliability
- Provides range of resource adequacy evaluations based on several potential cases using different models
- Provides framework for more granular studies at the state and regional level

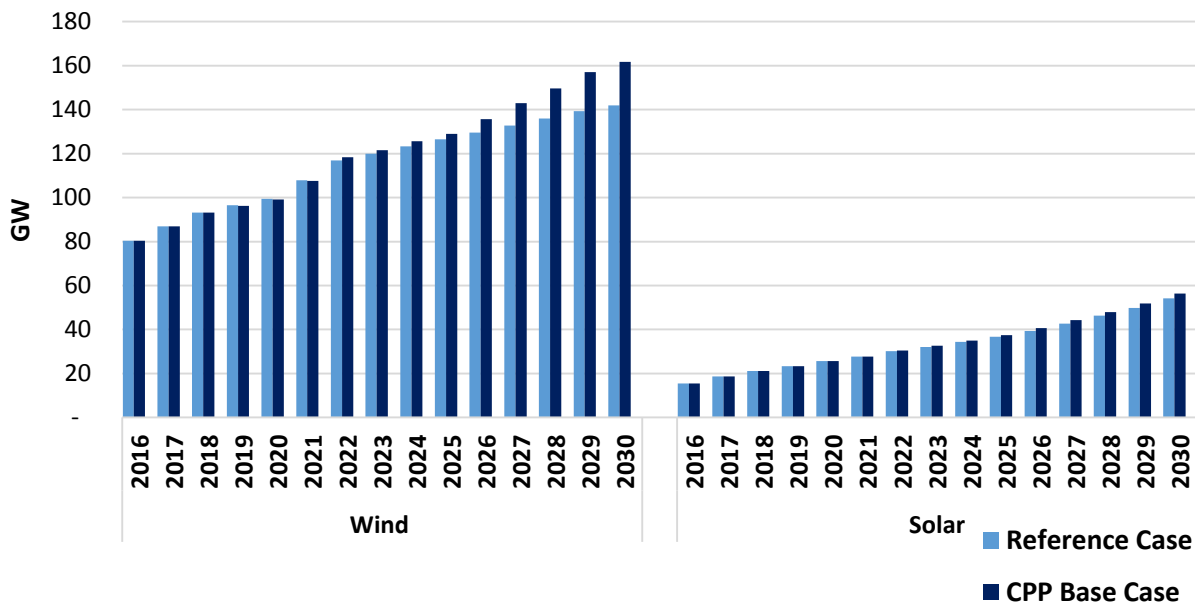
Acceleration of fundamental change in the electricity generation mix in the United States and transformation of reliability services, diversity, and flexibility



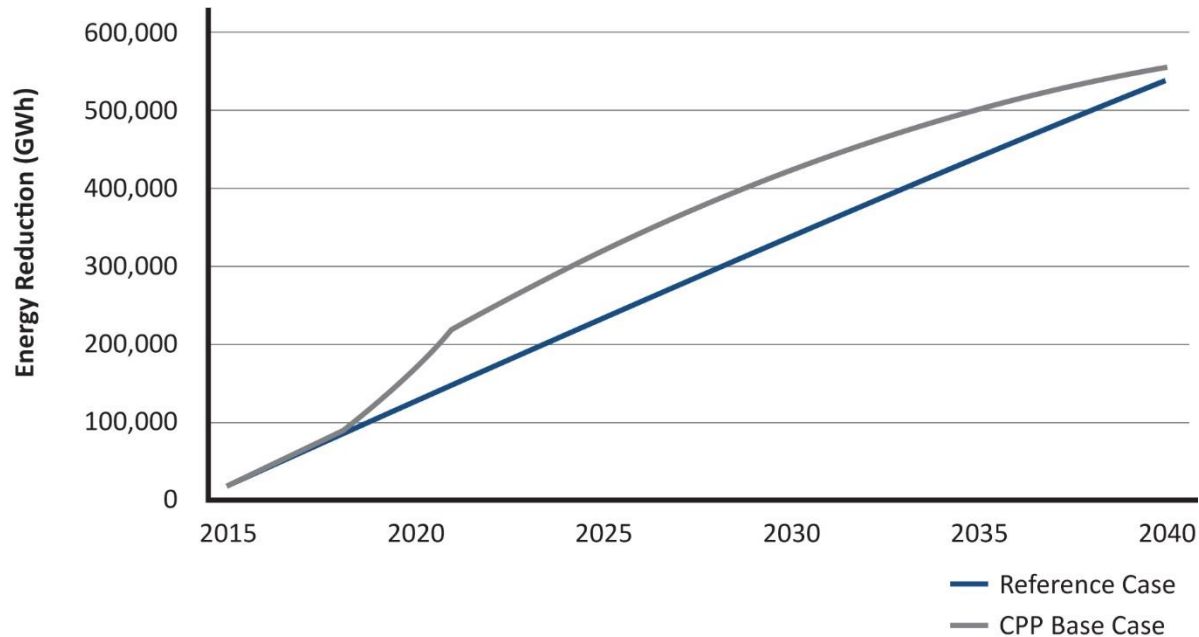
Coal capacity decline by up to 27 GWs



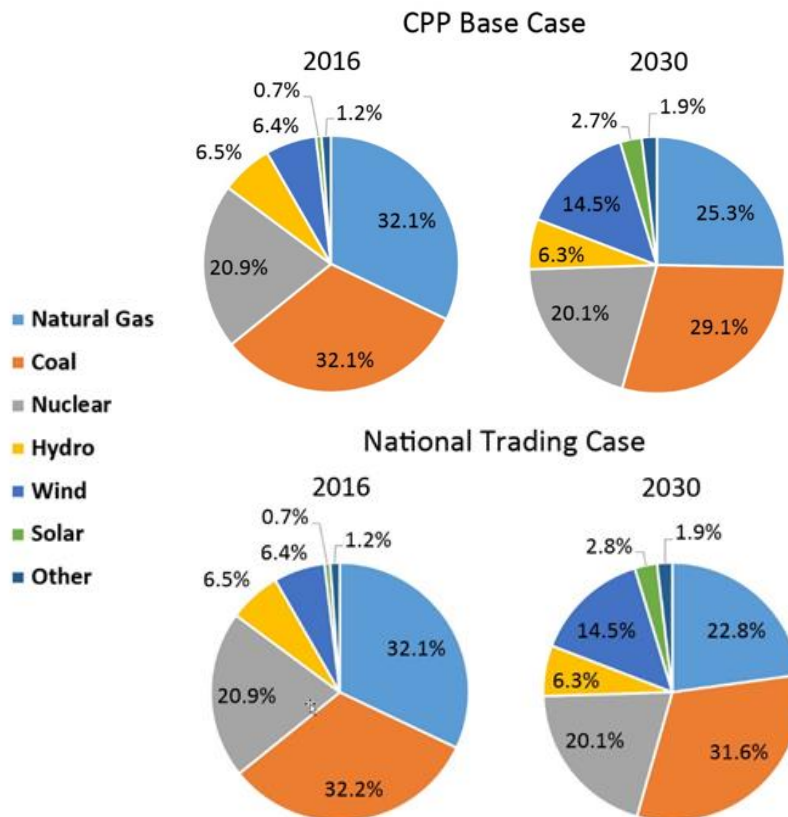
Tax credits and renewable portfolio standards drive renewables



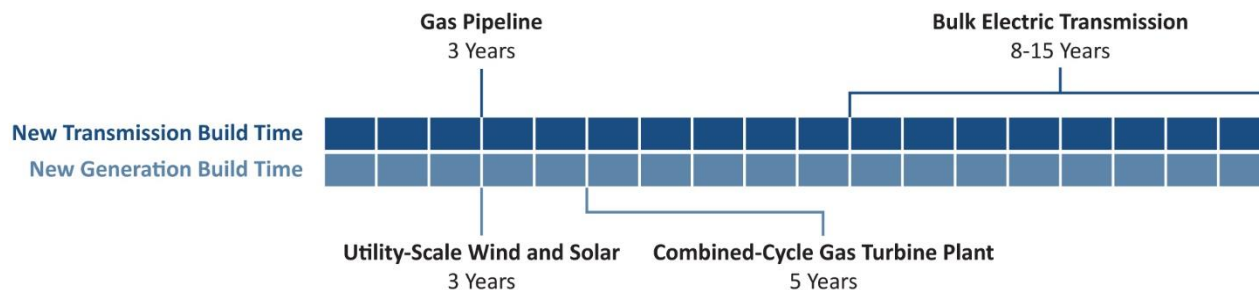
Annual energy demand growth is expected to flatten



Trading allowances provide market flexibility



Planning should already be under way due to the need for new transmission and natural gas pipeline infrastructure



- Essential Reliability Services Sufficiency Guidelines
- Distributed Energy Resources Task Force
- Interconnection-wide studies
- Regional/ISO/RTO studies

- EPA, DOE, FERC Memorandum of Understanding
- NERC's identification of reliability considerations in *Reliability Considerations for Clean Power Plan Development*



Questions and Answers