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

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May 23, 2016
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Potential Reliability Impacts

- 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
Effects of CPP

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

CPP Base Case

- 2016: 32.1%
- 2030: 29.1%

National Trading Case

- 2016: 32.2%
- 2030: 31.6%
Planning should already be under way due to the need for new transmission and natural gas pipeline infrastructure.
Additional Areas for Analysis

- Essential Reliability Services Sufficiency Guidelines
- Distributed Energy Resources Task Force
- Interconnection-wide studies
- Regional/ISO/RTO studies
Federal and State Efforts in Ensuring Reliability

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