Fuel Security in the PJM Market

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Creeping over-procurement

PJM Reserve Margin Expansion since adoption of capacity market

Source: PJM data, compiled by J. Chen, Nicholas Institute for Environmental Policy Solutions, Duke University; annual NERC Summer Reliability Assessments.
“…some load shedding somewhere in the system would be needed under some extreme scenarios.” (page 30)
Reliability & fuel security...by the numbers

“Extreme scenarios” vs. PJM Resource Adequacy standard

Days LoL per 10 years

RA Standard  “Extreme scenarios”

“Extreme scenarios” vs. SAIDI

Minutes/year per customer

SAIDI w/o ME  “Extreme scenarios”

“Reliable under all but the most extreme scenarios”? Reliable even when considering the extreme scenarios

Sources: EIA Annual Electric Power Industry Report (2017); “Fuel Security Analysis: A PJM Resilience Initiative,” PJM Interconnection (17 Dec 2018); own analysis
About RAP

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