



Fuel & Energy Security Update

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Operating Committee
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1. 2023 Fuel & Energy Security Resource Adequacy Assessment Update
2. Updates on related working items in stakeholder process

[Link to 2022 Analysis Results](#)

Key Assumptions for 2023 (results to be presented at next update)

- Probabilistic “stress test” of the 2028/29 Regional Transmission Expansion Plan (RTEP) portfolio and a “1-in-10” portfolio
- The portfolio is analyzed under potential “Cold Snap” events
 - Cold Snap defined as five or more contiguous days where average RTO wind-adjusted temperature in each day is less than 21.5°F
- Three types of thermal/hydro generation unavailability are considered
 - Random Forced Outages
 - Fuel Security (Lack of Fuel) Forced Outages (FS-FO)
 - Generic Disruptions
- For wind and solar, hourly availability profiles are modeled
- RTO-wide results only (ignoring transmission constraints between LDAs)



Additional Working Items Related to Fuel & Energy Security

Topic	Forum	Status
Winter 2022/23 Review & Summer 2023 Preparedness <ul style="list-style-type: none"> • Winter Storm Elliott updates • NERC Project 2021-07 Extreme Cold Weather Grid Operations, Preparedness, and Coordination • Weekly fuel inventory updates posted on OC page • Summer 2023 Operations Assessment Task Force study • Environmental regulation implementation coordination 	OC	Ongoing
Reliability risks and drivers considered by the capacity market , including analysis similar to FS-RAA	Resource Adequacy Senior Task Force & Critical Issue Fast Path (for some topics)	Solution Options
Procurement metrics and levels to maintain the desired level of reliability , including impacts of seasonality		
Qualification requirements and accreditation of capacity resources , including discussion of winterization, dual fuel and seasonal considerations		
Reliability Products & Services Assessment	OC (from RASTF)	Complete
Operational and market impacts of misalignment between electric and natural gas markets	Electric Gas Coordination Senior Task Force	Design Components & Solution Options
Fuel Requirements for Black Start Resources	OC/MIC Special Sessions	Complete
Renewable Dispatch	OC & Special Sessions	Package at MRC
PJM Studies on Energy Transition	Workshops & Periodic Standing Committee Updates	Ongoing
Critical Gas Infrastructure: Demand Response Participation	DRS	Complete

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