

Light Load Operational Performance

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- Analysis was performed to test the potential impact of a light load criteria test on an RTEP case
- Modified generator deliverability tool to test the sensitivity of new variables
 - Ramping impact of wind generation above peak case levels
 - Wind impacts from neighboring systems
- Generator deliverability test & common mode outage test

Light Load Criteria - Base Case Assumptions

Network Model	5 year out case
Load Model	Light Load (50% of 50/50 Summer Peak)
Base Generation Dispatch (Online in base case)	Coal > 500MW = 60% Coal < 500 MW = 45% Nuclear = (1-EEFORD) = approximately 92% Wind = 40%
External Transfers (Interchange)	PJM Net Interchange = Net of Yearly Long Term Firm Transactions in PJM Operations
Notes:	Scale coal generation to balance the case to meet load + losses + interchange
Contingencies	NERC Category A, B, C (except C3)
Monitored Facilities	All PJM market monitored facilities

Test Methodology	Generator Deliverability (NERC Category A, B), Common Mode Outage Procedure (NERC Category C, except C3)
Ramping Limits for Generator Deliverability test methodology	Wind is dispatched 40% of nameplate capability in base case and ramped up to 80% if selected by the test criteria
Generation Participation from Neighboring Systems	All existing MISO wind generation online at 80% of their nameplate capability.
Sink for external ramped generation	Sink MISO wind uniformly to all online MISO Generation

- Treatment of MISO wind
- Scenario analysis with proposed criteria for 80% maximum wind ramping limit
- Similar results as compared to the results reviewed at the January PC meeting with (0_80)
- Updated detailed results will be distributed to TOs

		Max Wind Raming Limits
Area	Voltage	80%
PENELEC	115/115	1
	230tx	2
PSEG/NYISO TIE	345/345	2
	345 tx	3
PSEG	230/230	1
DPL	34.5 tx	2
APS	138/138	6
AEP	138/138	2
ComEd	138/138	17
ComEd / AMILTIE	138/138	1
PECO	500 tx	1
	138/138	1
PPL	69 tx	2
PPL/UGI TIE	69/69	1
PPL/BGE TIE	230/230	1
DOMINION	138 tx	1
	500/500	2
TOTAL		46

- Finalize criteria
- Manual 14B Language
- Seek MRC approval