



Operations Assessment Task Force 2024 Summer Study

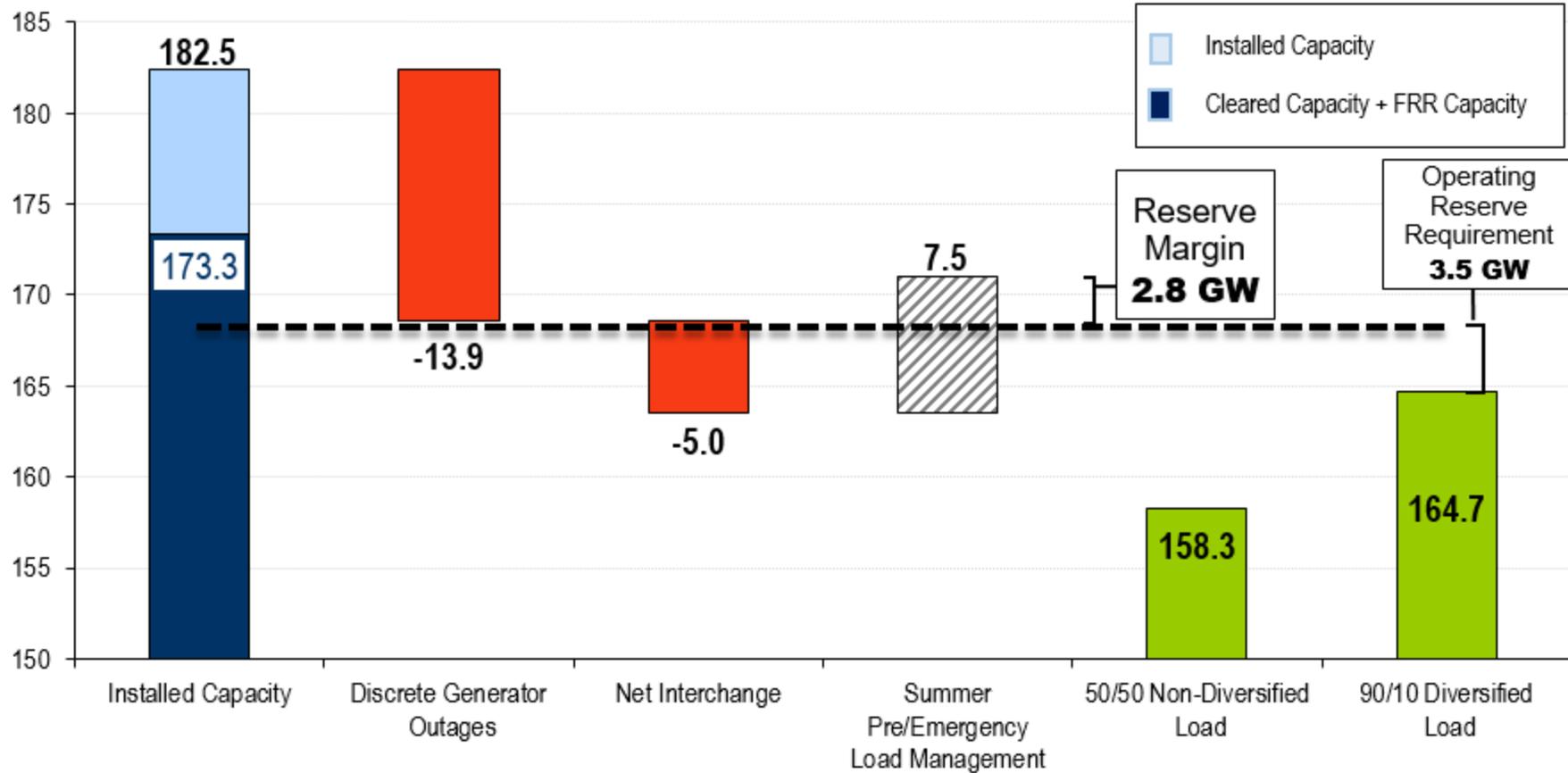
Operating Committee

Rob Dropkin

May 2, 2024

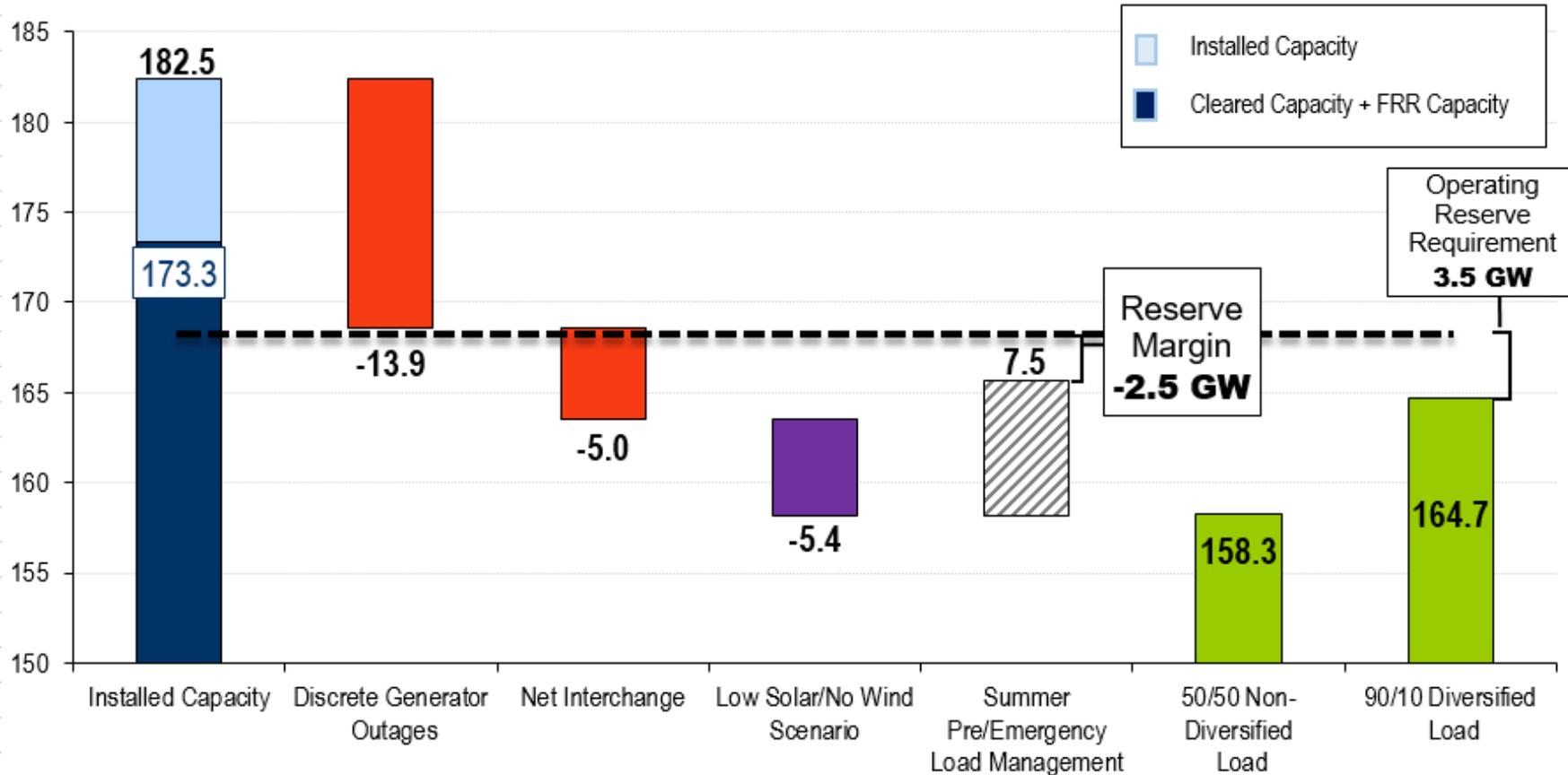
Summer 2024 Preliminary Capacity Projections

Summer 2024 OATF Case Overview (Preliminary)

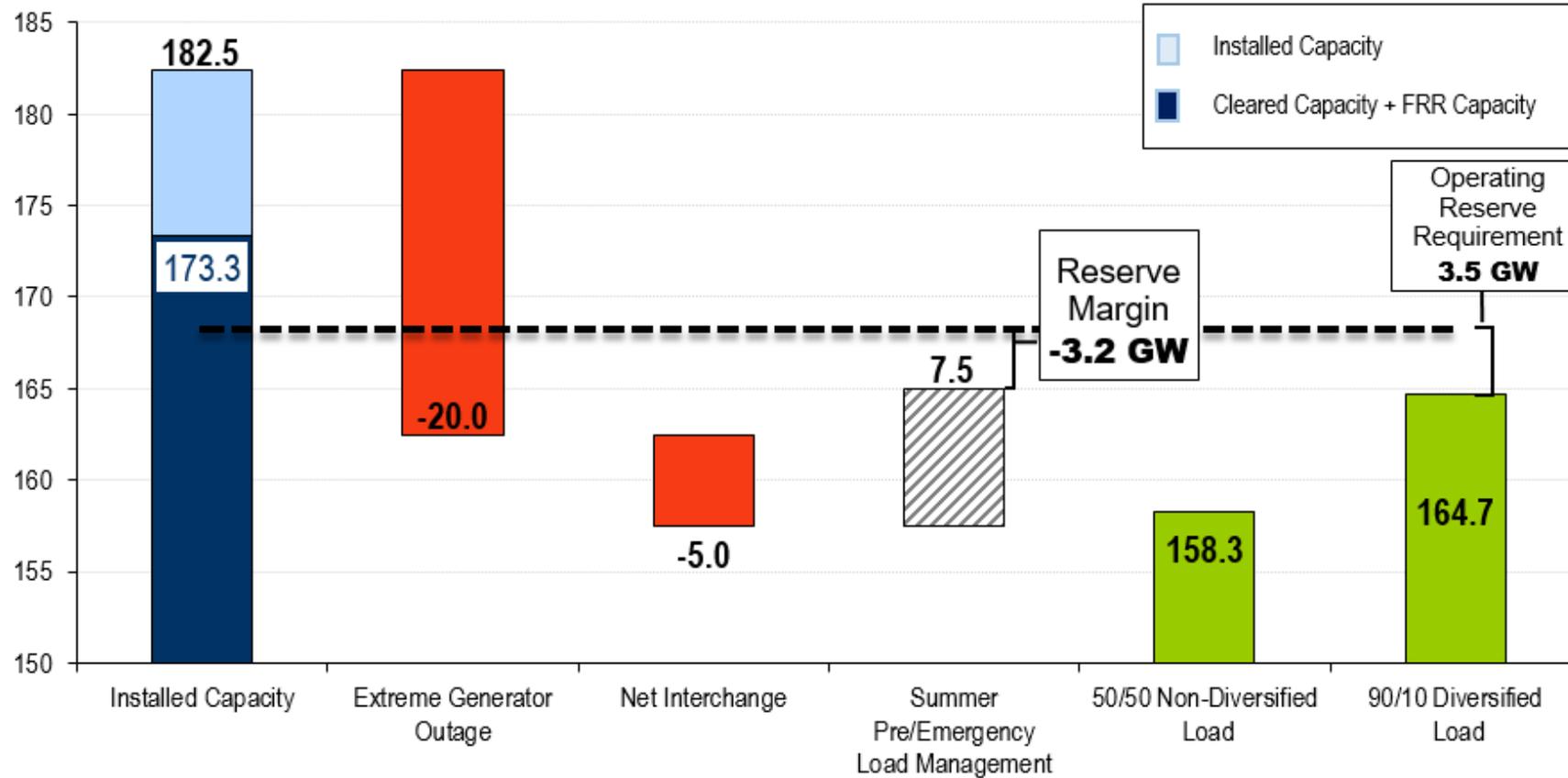


Summer 2024 Preliminary Capacity Projections

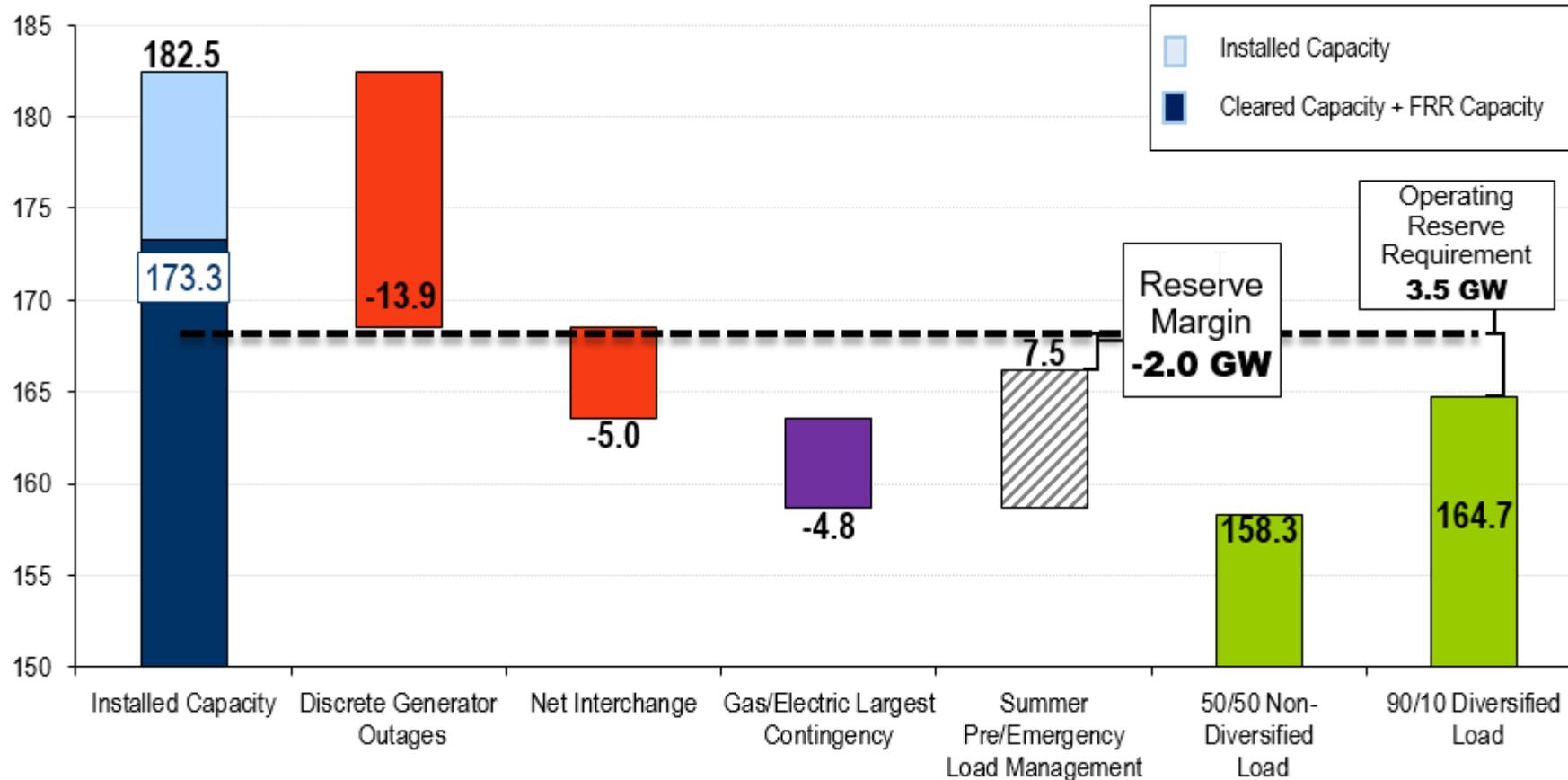
Summer 2024 Low Solar and No Wind Scenario Overview (Preliminary)



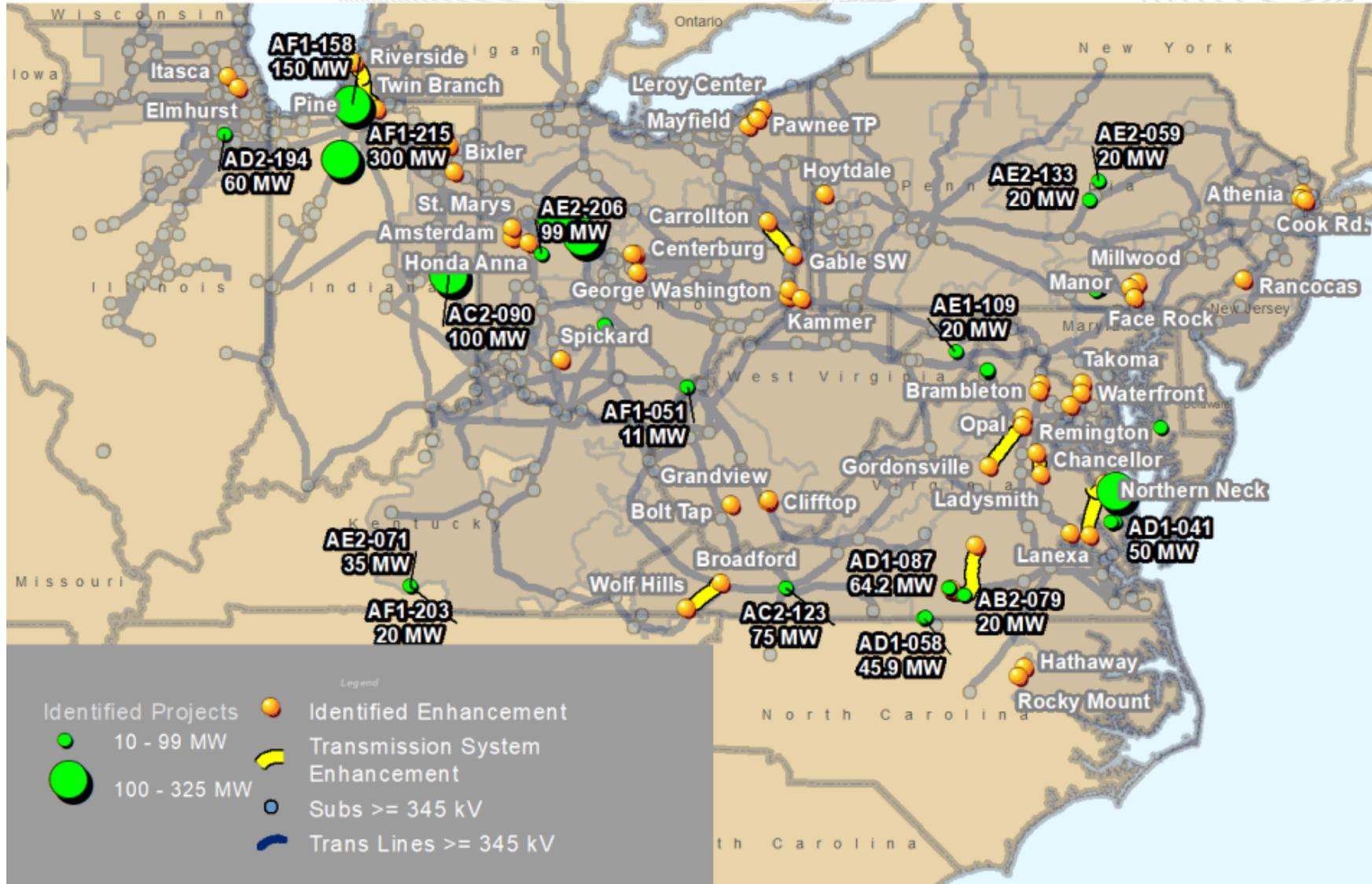
Summer 2024 Extreme Generator Outage Scenario Overview (Preliminary)



Summer 2024 Largest Gas/Electric Contingency Scenario Overview (Preliminary)



Upcoming Generation and Transmission Projects



50/50 Non-diversified Peak Load Base Case	
LAS Load Forecast	158,307 MW
RTO Case Interchange	4,000 MW** (Exporting)
PJM RTO Installed Capacity	182,455 MW (preliminary)
Discrete Generator Outages	13,909 MW

**OATF Case Interchange (-4,000 MW) = Forecasted Net Interchange(-5,000 MW) + Pseudo-Tie Adjustment (1,000 MW)

Peak Load Analysis

- No reliability issues identified.

- No reliability issues identified for base case and N-1 analysis.
- Re-dispatch and switching required to control local thermal or voltage violations in some areas.
- All networked transmission voltage violations were controlled by shunt and tap adjustments

Sensitivity Studies	Results
External contingencies that could impact PJM reliability	No reliability concerns
N-1-1 Relay trip conditions	No reliability concerns
Max-Cred Contingency Analysis	No reliability concerns
90/10 Load Forecast study (164,698 MW diversified peak load forecast)	No reliability concerns
Solar and Wind Generation Sensitivity Study	No reliability concerns
Transfer Interface Analysis	No reliability concerns
BGE/PEPCO Import Capability	No reliability concerns



Preliminary Reactive Interface Transfer Analysis

Interface	Projected Limit (MW)	Back-off (MW)
Eastern	7966	300
Central	1959	200
Western	3881	200
Bed-Blackoak	1374	50
AP South	3759	100
AEP-DOM	4838	100
Cleveland	2903	200
CE-EAST	3814	200
5004/5005	2962	50

Presenter:

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**Operations Assessment Task Force
2024 Summer Study**



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