

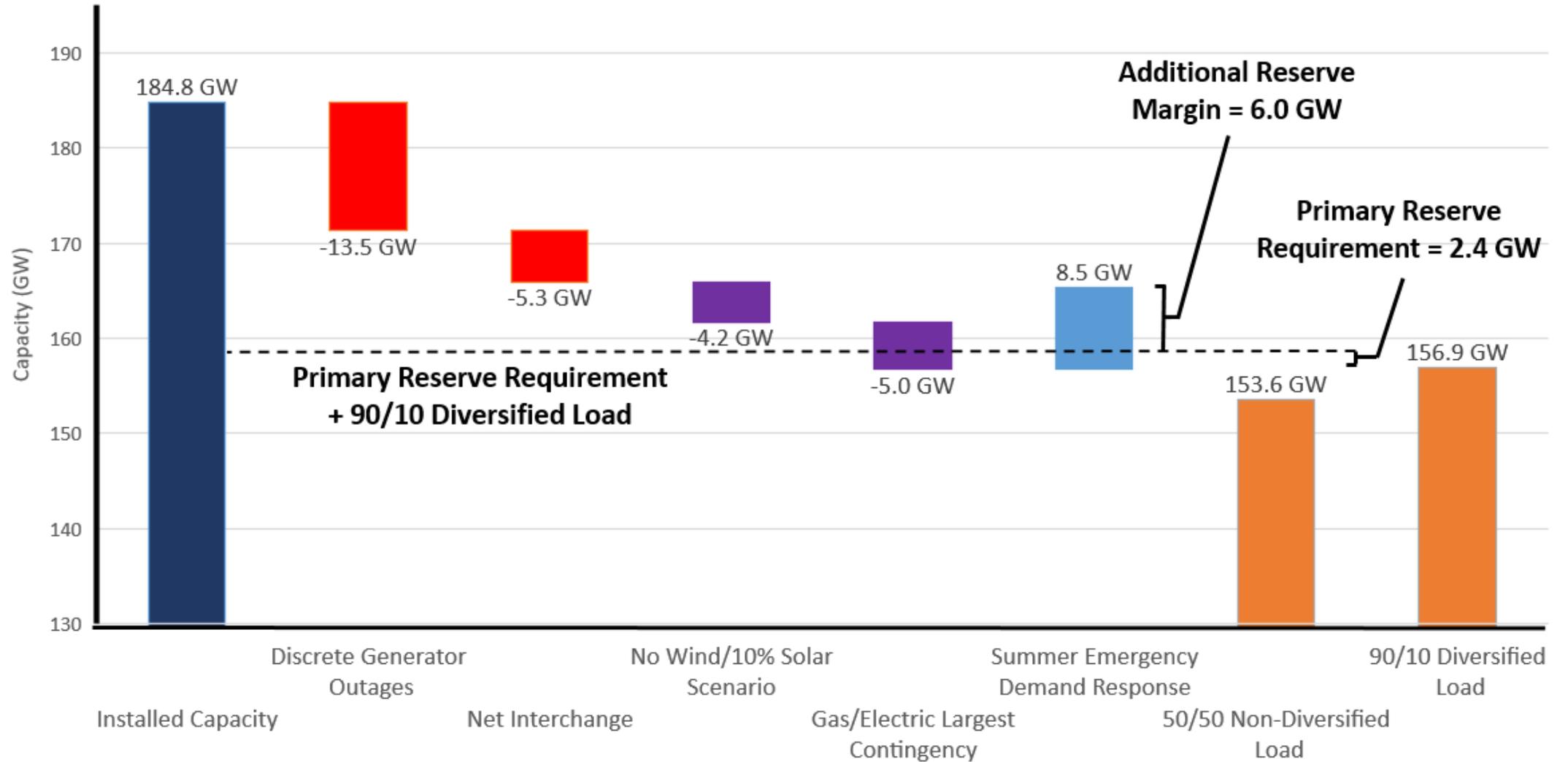


Operations Assessment Task Force 2022 Summer Study

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Operating Committee
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- Summer 2022 Preliminary Capacity Projections
- OATF Study
 - Case Parameters
 - Significant Facility Changes
 - 50/50 Non-diversified peak load study results
 - Sensitivity Study Results

Summer 2022 Preliminary Capacity Projections

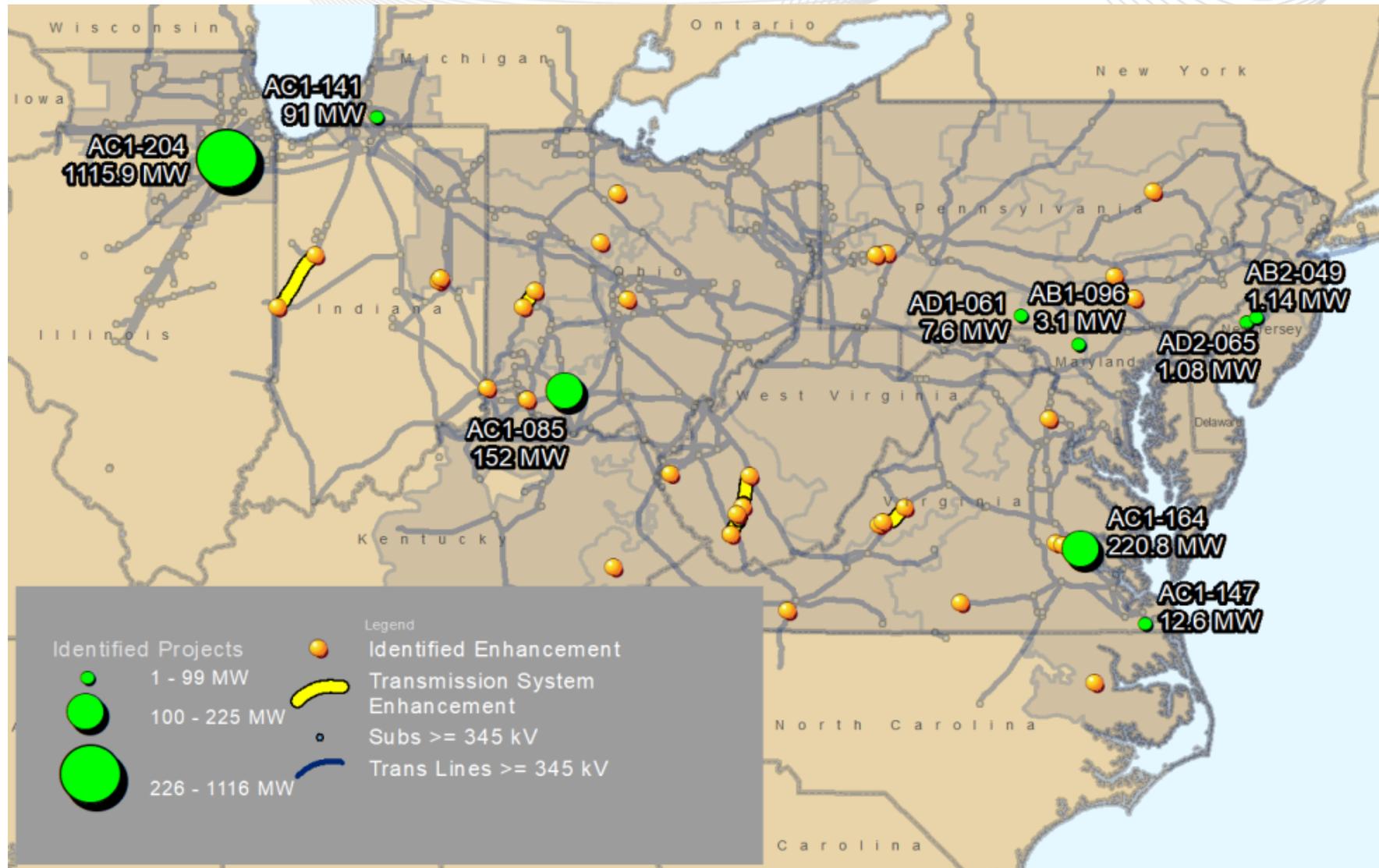


50/50 Non-diversified Peak Load Base Case	
LAS Load Forecast	153,550 MW
Preliminary RTO Net Interchange	3,989 MW** (Exporting)
PJM RTO Installed Capacity	184,837 MW (preliminary)
Discrete Generator Outages	13,541 MW

**OATF Case Interchange (-3,989 MW) = Forecast Net Interchange(-5,340 MW) + Pseudo-Tie Adjustment (1,351 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 capacitors. All other voltage violations were caused by radial load.

Sensitivity Studies	Impact
External contingencies that could impact PJM reliability	No reliability concerns
N-1-1 Relay trip conditions	No cascading outage concerns identified <ul style="list-style-type: none"> All networked transmission overloads were controlled pre-contingency
Max-Cred Contingency Analysis	No reliability concerns
Transfer Interface Analysis	No reliability concerns
BGE/PEPCO Import Capability	No reliability concerns
90/10 Load Forecast study (156,928 MW)	No uncontrollable or unexpected issues observed at the elevated load levels.
Solar and Wind Generation Sensitivity Study	No reliability concerns



Reactive Interface Transfer Analysis Projections

Interface	Projected Summer 2022 Limit (MW)	Typical Back-off (MW)
Eastern	8059	300
Central	3180	200
Western	6415	200
Bed-Blackoak	1852	50
AP South	4606	100
AEP-DOM	5041	100
Cleveland	3576	200
CE-EAST	4599	200
5004/5005	3178	50

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OATF 2022 Summer Study



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