



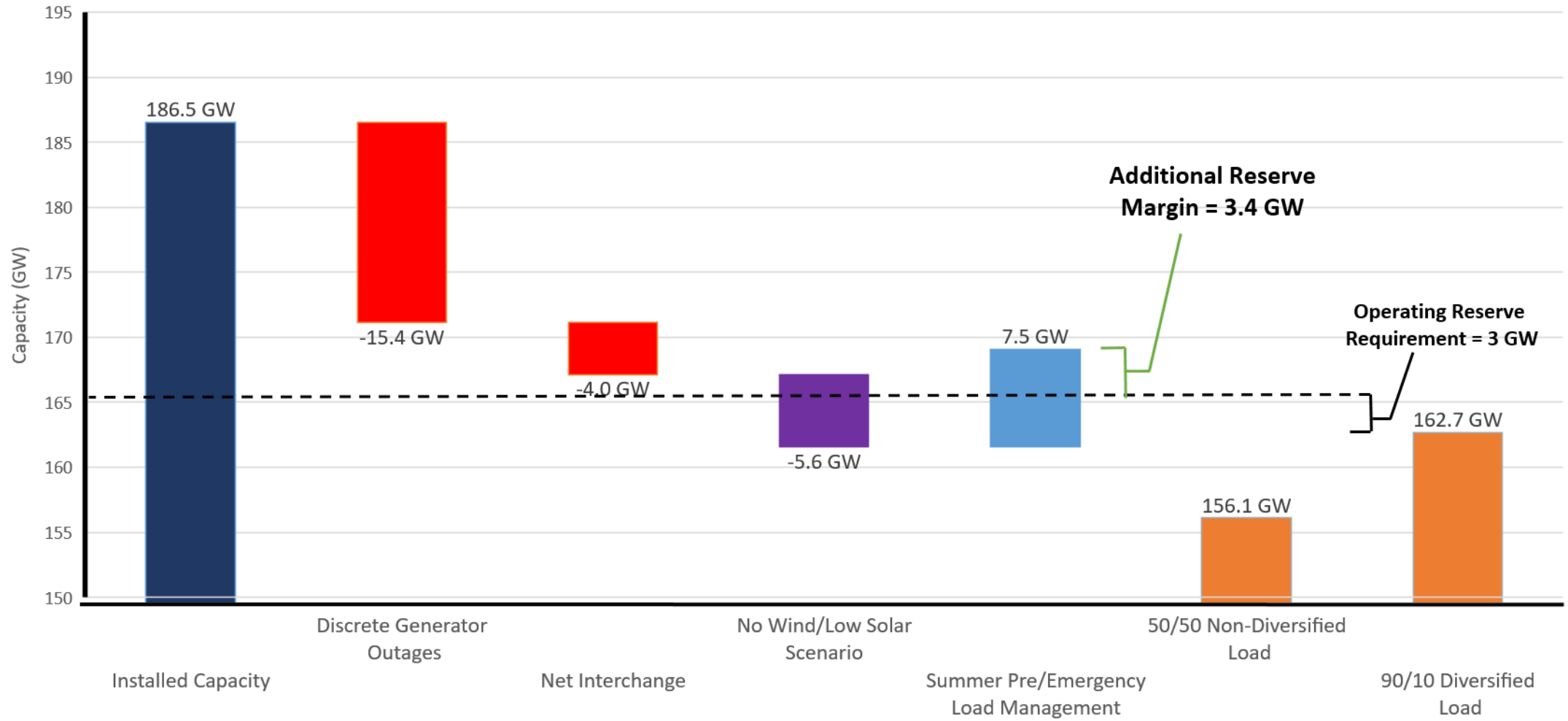
Operations Assessment Task Force 2023 Summer Study

Operating Committee
Thinzar Aung
May 11, 2023

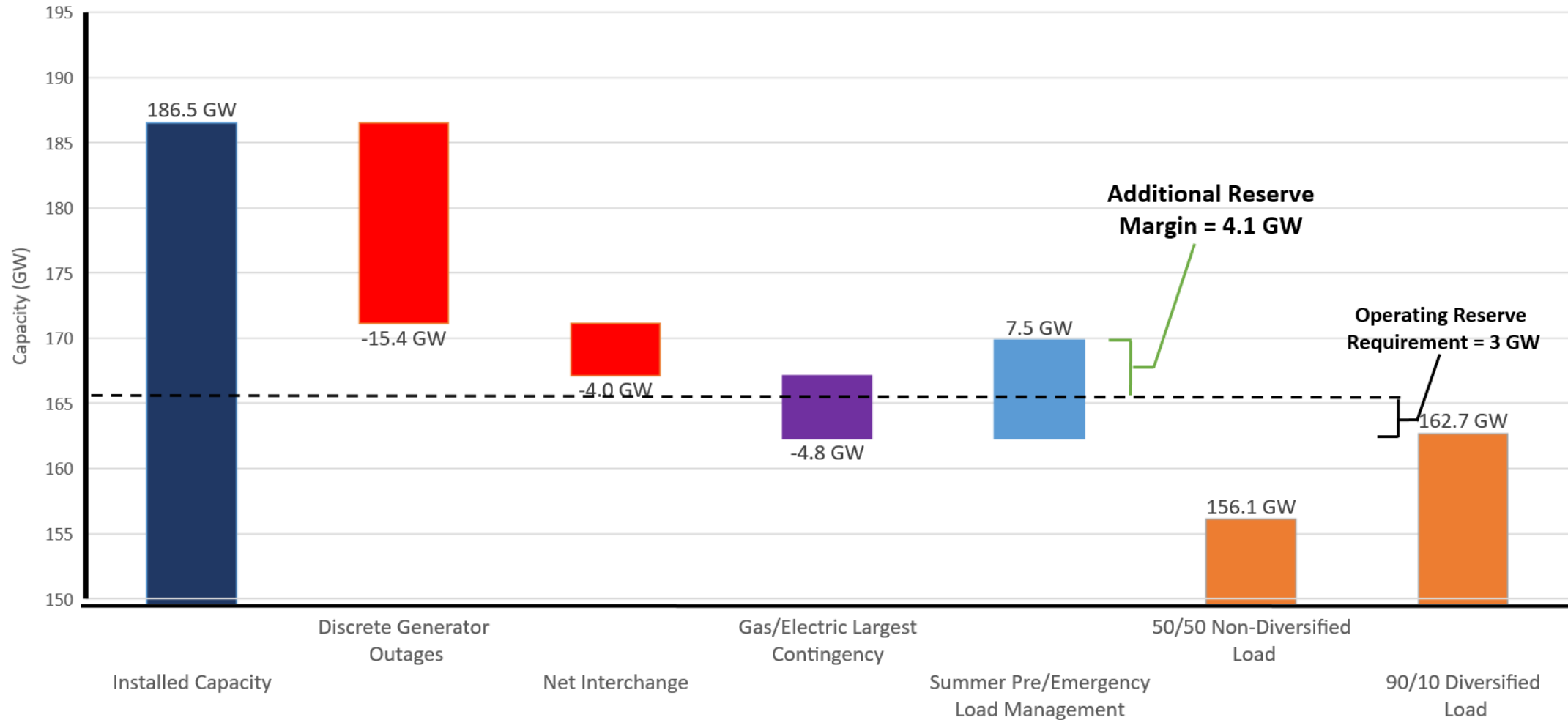


Summer 2023 Preliminary Capacity Projections

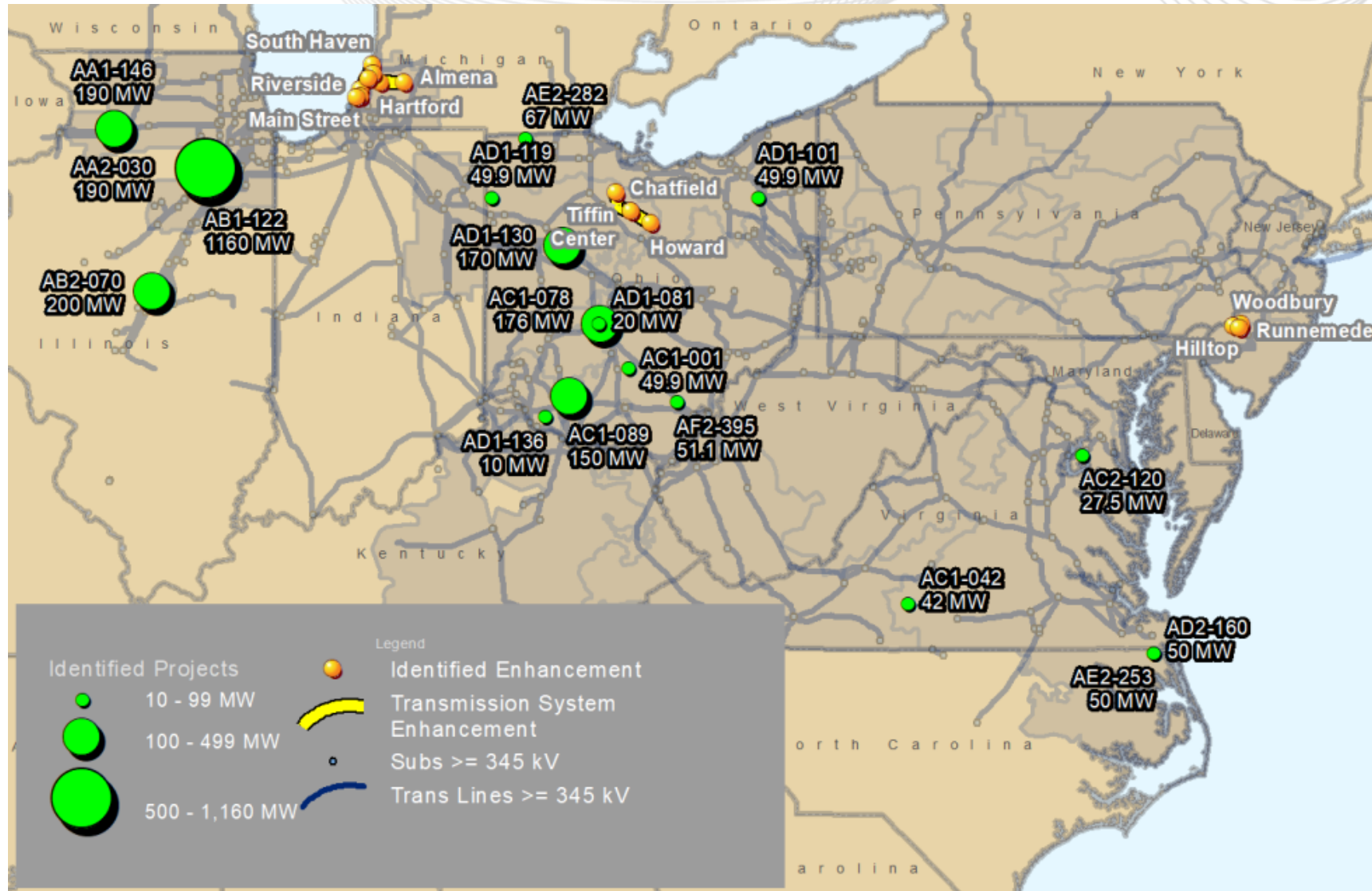
Summer 2023 No Wind and Low Solar Scenario Overview (Preliminary)



Summer 2023 Gas Electric Contingency Scenario Overview (Preliminary)



Upcoming Generation and Transmission Projects



50/50 Non-diversified Peak Load Base Case

LAS Load Forecast	156,102 MW
RTO Case Interchange	2,969 MW** (Exporting)
PJM RTO Installed Capacity	186,540 MW (preliminary)
Discrete Generator Outages	15,394 MW

**OATF Case Interchange (-2,969 MW) = Forecasted Net Interchange(-4,000 MW) + Pseudo-Tie Adjustment (1,031 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 (162,666 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)	Typical Back-off (MW)
Eastern	9484	300
Central	4184	200
Western	5676	200
Bed-Blackoak	1750	50
AP South	4025	100
AEP-DOM	3862	100
Cleveland	3376	200
CE-EAST	2678	200
5004/5005	3528	50

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**Operations Assessment Task Force
2023 Summer Study**



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