Operations Assessment Task Force
2026-27 Winter Study:
Capacity and Transmission Outlook

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Operating Committee
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Disclaimer: While materials are current at the time of publishing, applicable requirements may change. PJM Governing Documents control.

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Unit Type Breakdown

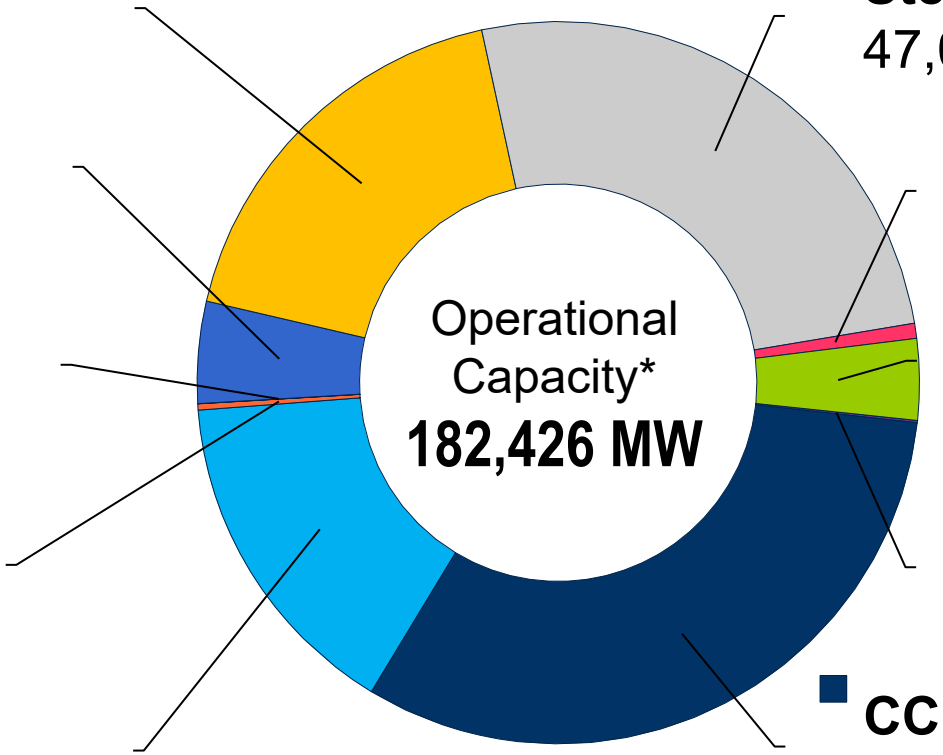
Nuclear
32,776MW,

Hydro
8,301MW,

Fuel Cell
25MW,

Diesel
510MW,

CT
27,601MW,



Steam
47,004MW,

Solar
1,235MW,

Wind
6,617MW,

Battery
186MW,

CC
58,172MW,

*Operational Capacity = ICAP for all units, plus winter ELCC adjusted values for Wind and Solar

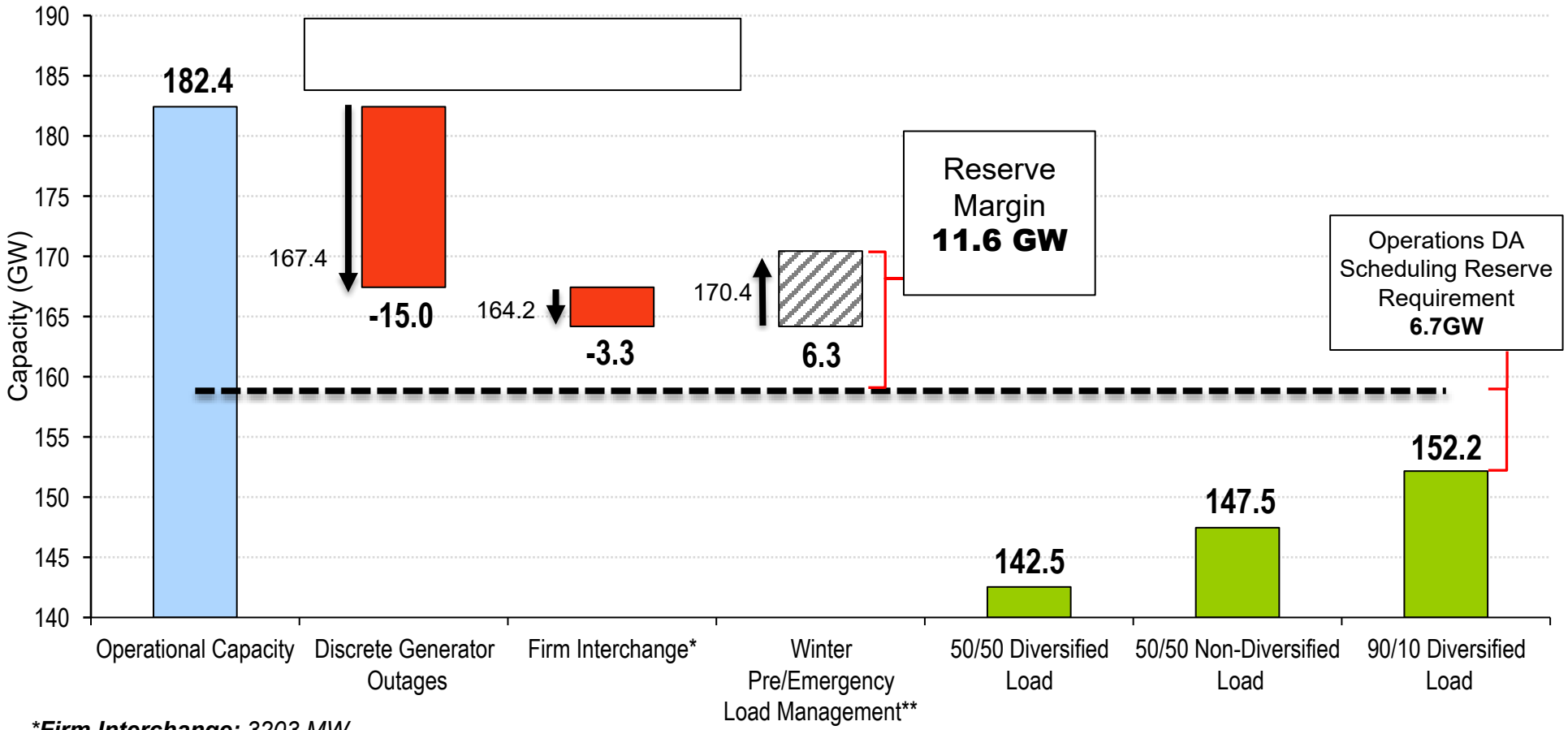
As of 9/16/2026

*Section 202(c) and RMR units included in the Operational Capacity

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Capacity Outlook: Waterfall Chart
(Winter 2026-27 – Preliminary)

Winter 2026-27 OATF Capacity Overview (Preliminary)



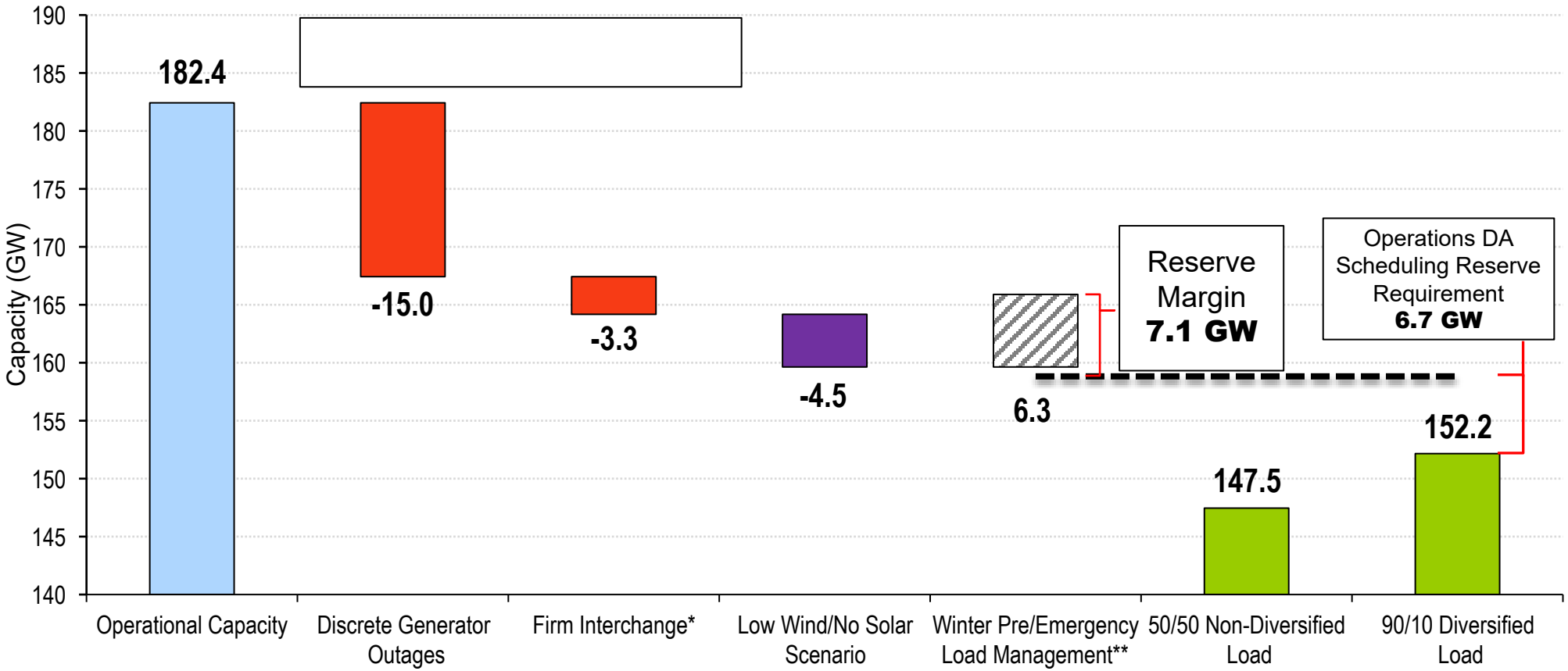
**Firm Interchange:* 3203 MW.*

*** 97% of Load Management is Pre-Emergency.*

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Low-Wind and No-Solar Scenario
(Winter 2026-27 – Preliminary)

Winter 2026-27 Low Wind and No Solar Scenario Overview (Preliminary)



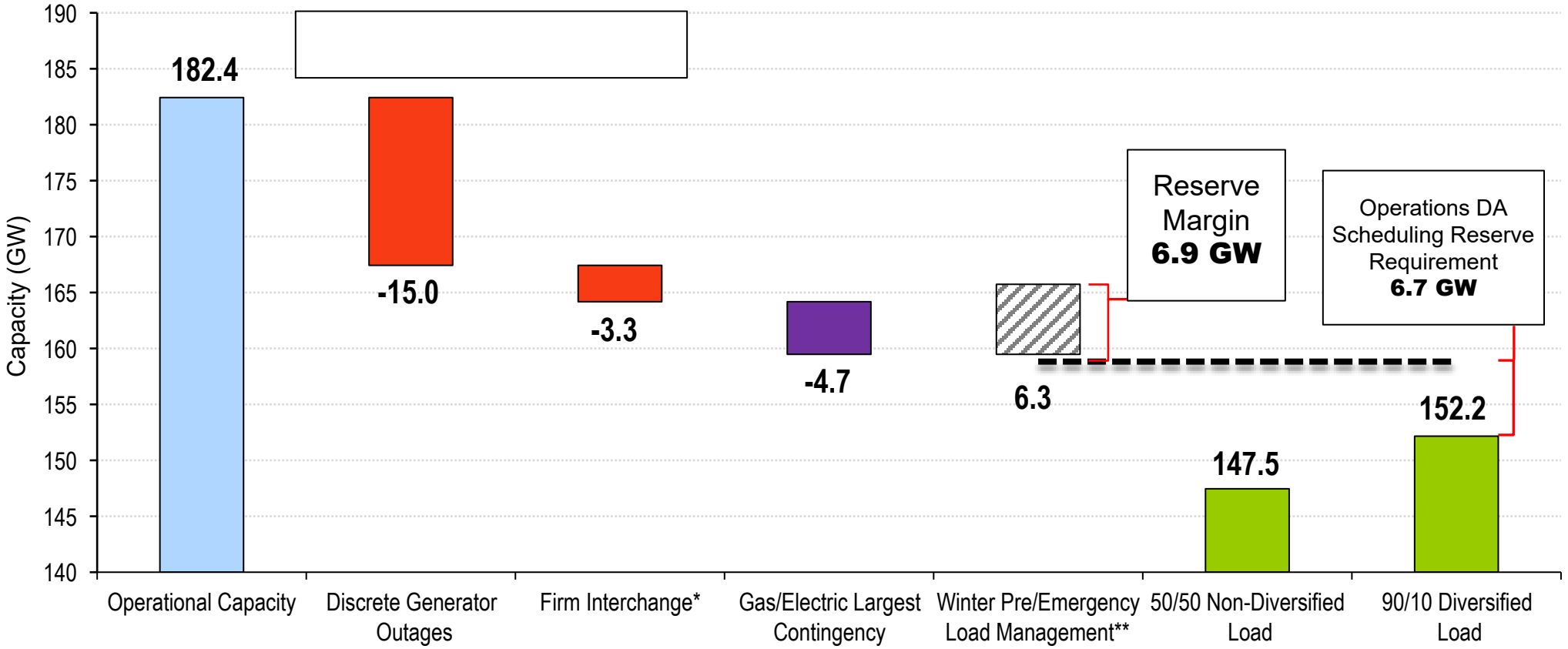
**Firm Interchange:* 3,203 MW.*

** 97% of Load Management is Pre-Emergency.*

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Gas-Electric Contingency Scenario
(Winter 2026-27 – Preliminary)

Winter 2026-27 Gas Electric Contingency Scenario Overview (Preliminary)



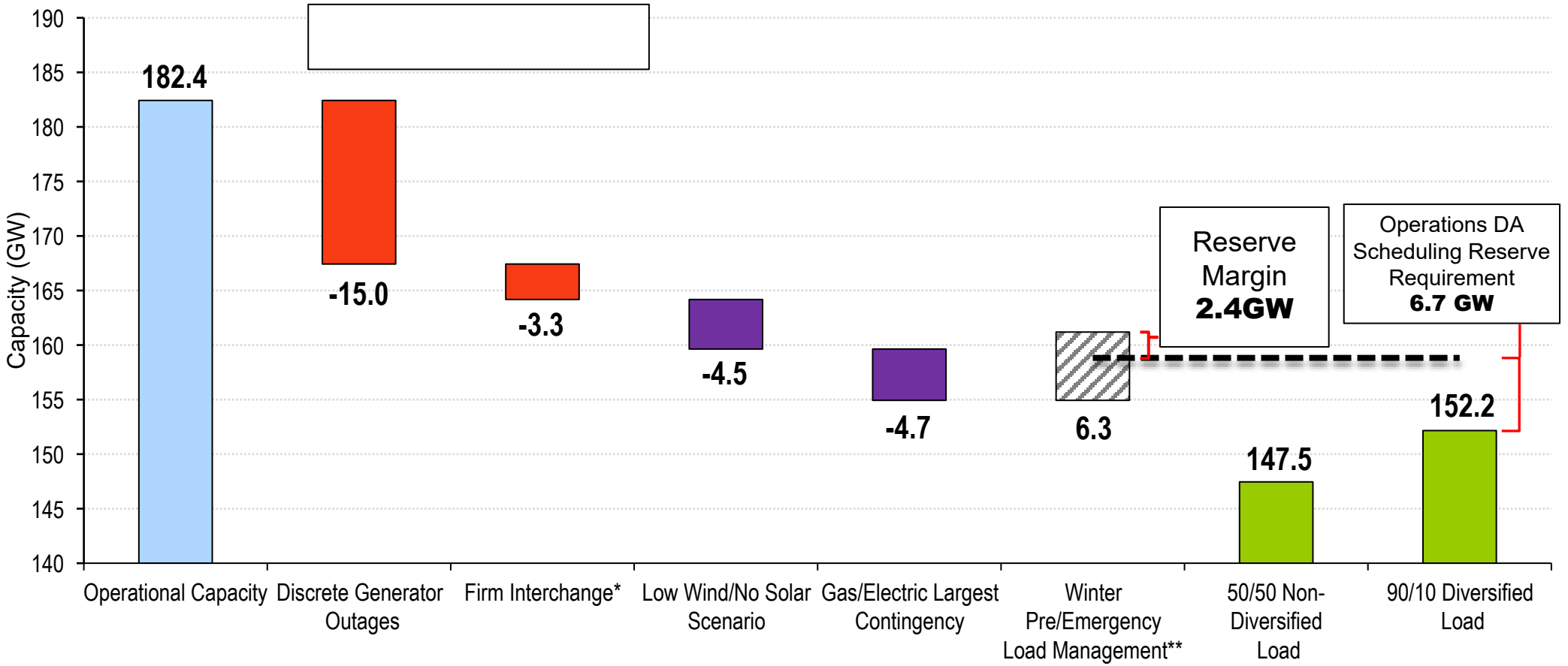
**Firm Interchange:* 3,203 MW.*

** 97% of Load Management is Pre-Emergency.*

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Stressed System Scenario
(Winter 2026-27 – Preliminary)

Winter 2026-27 Stressed System Scenario Overview (Preliminary)



***Firm Interchange:** 3,203 MW.*
*** 97% of Load Management is Pre-Emergency.*

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Capacity Outlook: Key Takeaways

Rising Demand	Reserve Shortage	Reliability
• Operational capacity has remained roughly the same, but forecast demand continues to increase year over year.	• We are projecting reserve margins to be adequate under peak operating periods. • Pre-Emergency and Emergency load management may be required to meet load and reserve requirements in stressed scenarios.	• Good generation performance will be key to maintaining reliability.

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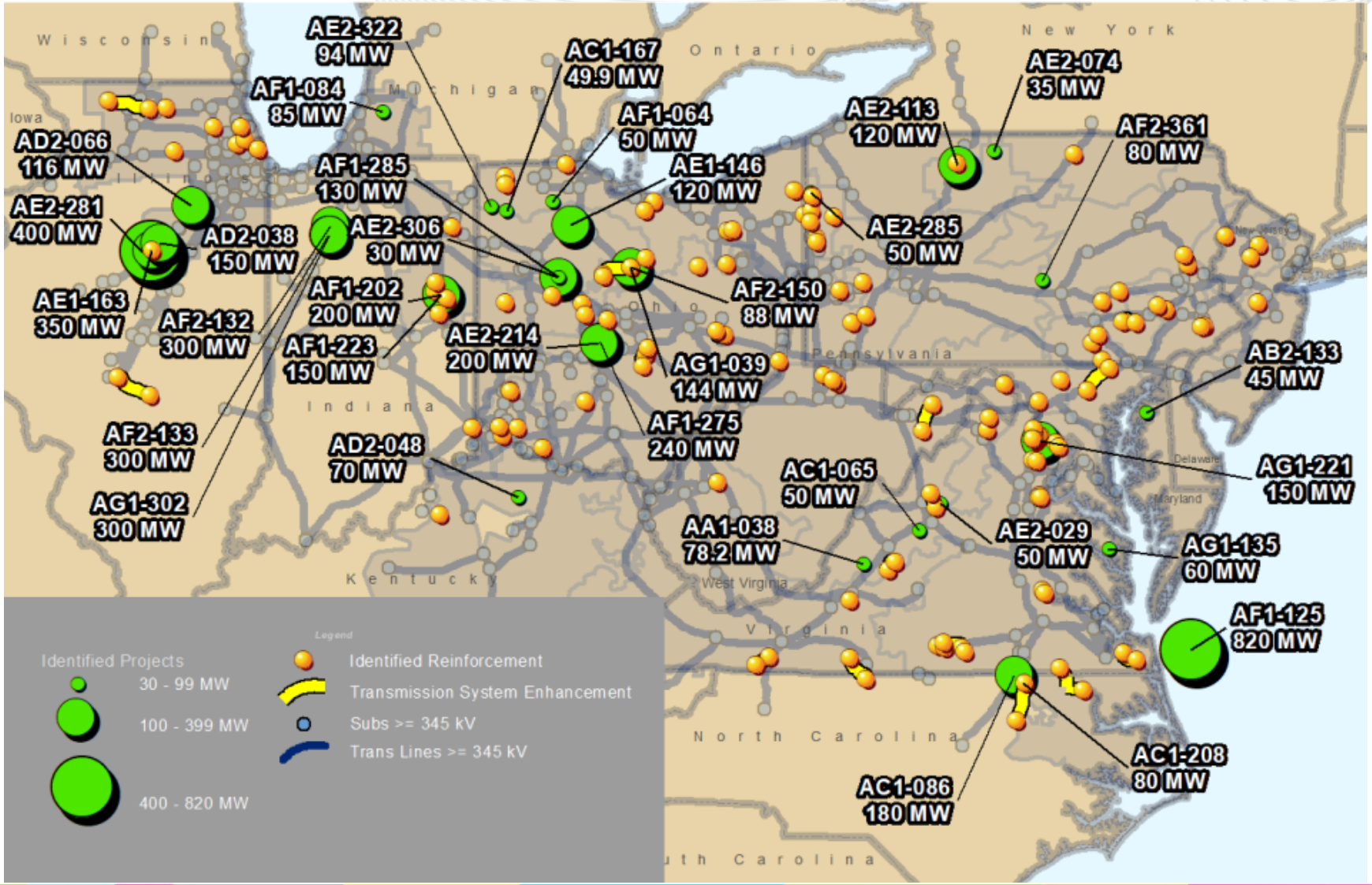
Transmission Outlook: 2026-27 Winter OATF Study

50/50 Non-diversified Peak Load Base Case	
LAS Load Forecast	147,457 MW
RTO Case Interchange	3,250 MW** (Exporting)
PJM RTO Installed Capacity	182,426 MW (Preliminary)
Discrete Generator Outages	14,998 MW

**3,250 MW is Firm Interchange

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Upcoming Generation and Transmission Projects



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Transmission Outages

Voltage Level	Number of Outages*	Outage Information
765 kV	2	AEP
500 kV	18	DOM, DPL, GPU, PEPCO, PPL, PSEG
345 kV	32	AEP, ATSI, COMED, DAY, DEOK, NXTE, OVEC, PSEG
230 kV	69	AE, BGE, DOM, GPU, PE, PEPCO, PPL, PSEG, UGI
161 kV	1	EKPC
138 kV	74	AE, AEP, APS, ATSI, COMED, DAY, DEOK, DLCO, OVEC, PEPCO
115KV	30	DOM, GPU

*Only outages > 30 days in duration are included in OATF studies

TO	Voltage	Impactful Outages
DOM	500 kV	Goose Creek 500/230 kV Transformer
PPL	500 kV	Alburtis 500/230 kV Transformer

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2026-27 Winter OATF Study

Sensitivity Studies	Results
External contingencies impactful to 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 (152,160 MW diversified peak load forecast)	No Reliability Concerns
Gas Pipeline Study	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

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Transmission Outlook: Key Takeaways

Violations Controlled	Switching	Reliability
• All local thermal and voltage violations were controlled with re-dispatch of generation, available switching, PAR adjustments, and local capacitors.	• Dominion will implement pre-contingency switching solutions to control for thermal and voltage issues and if needed will also use PCLLRW.	• No reliability issues were identified in the N-1 results.

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Contact

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Operations Assessment Task Force
2026-27 Winter Study



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