



# Operations Assessment Task Force 2026 Summer Study: Capacity and Transmission Outlook

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Operating Committee  
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**Nuclear**  
32,770MW,

**Hydro**  
8,301MW,

**Fuel Cell**  
25MW,

**Diesel**  
509MW,

**CT**  
27,135MW,

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

**Steam**  
46,990MW,

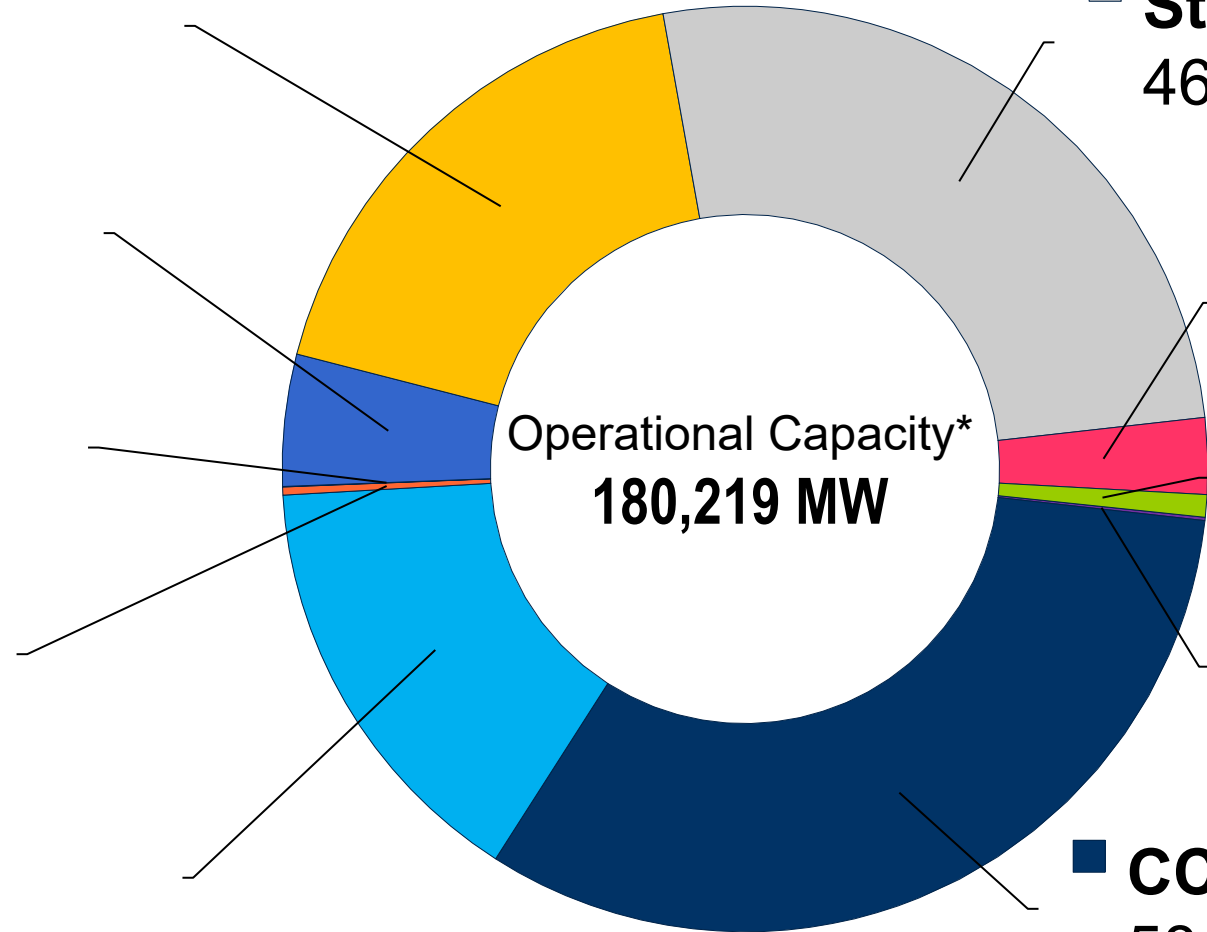
**Solar**  
4,811MW,

**Wind**  
1,413MW,

**Battery**  
207MW,

**CC**  
58,217MW,

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

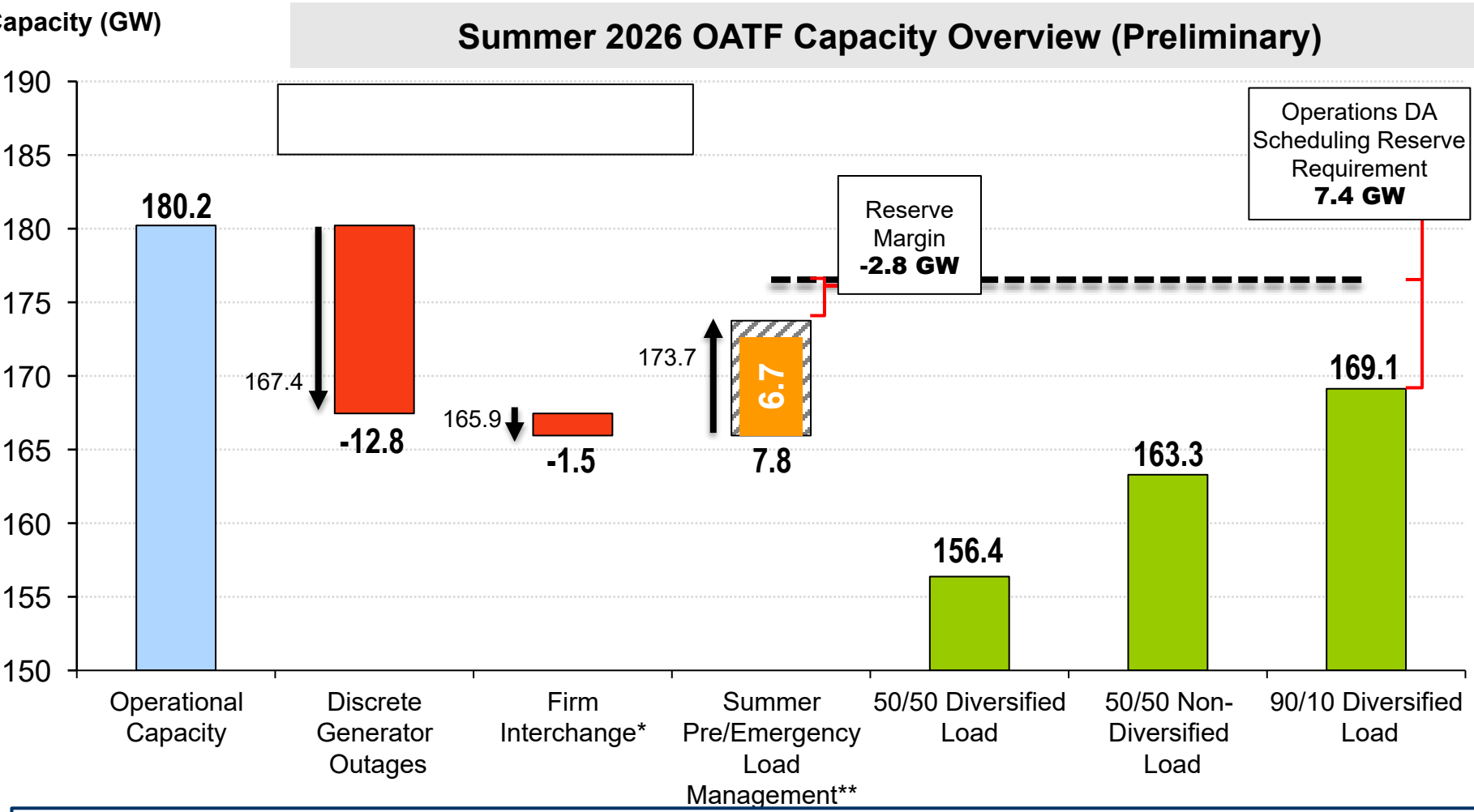


As of 4/1/2026



# Capacity Outlook: Waterfall Chart

(Summer 2026 – Preliminary)



**Anticipated PJM actions to reliably serve the 90/10 Forecast:**

1. Issue Max Gen/Load Management Alert (DA)
2. Schedule all Available Generation (DA)
3. Curtail all Recallable Exports (RT)
4. Implement Demand Response (~6.7 GW) to Maintain Primary Reserve Requirement of 3.5 GW (RT)

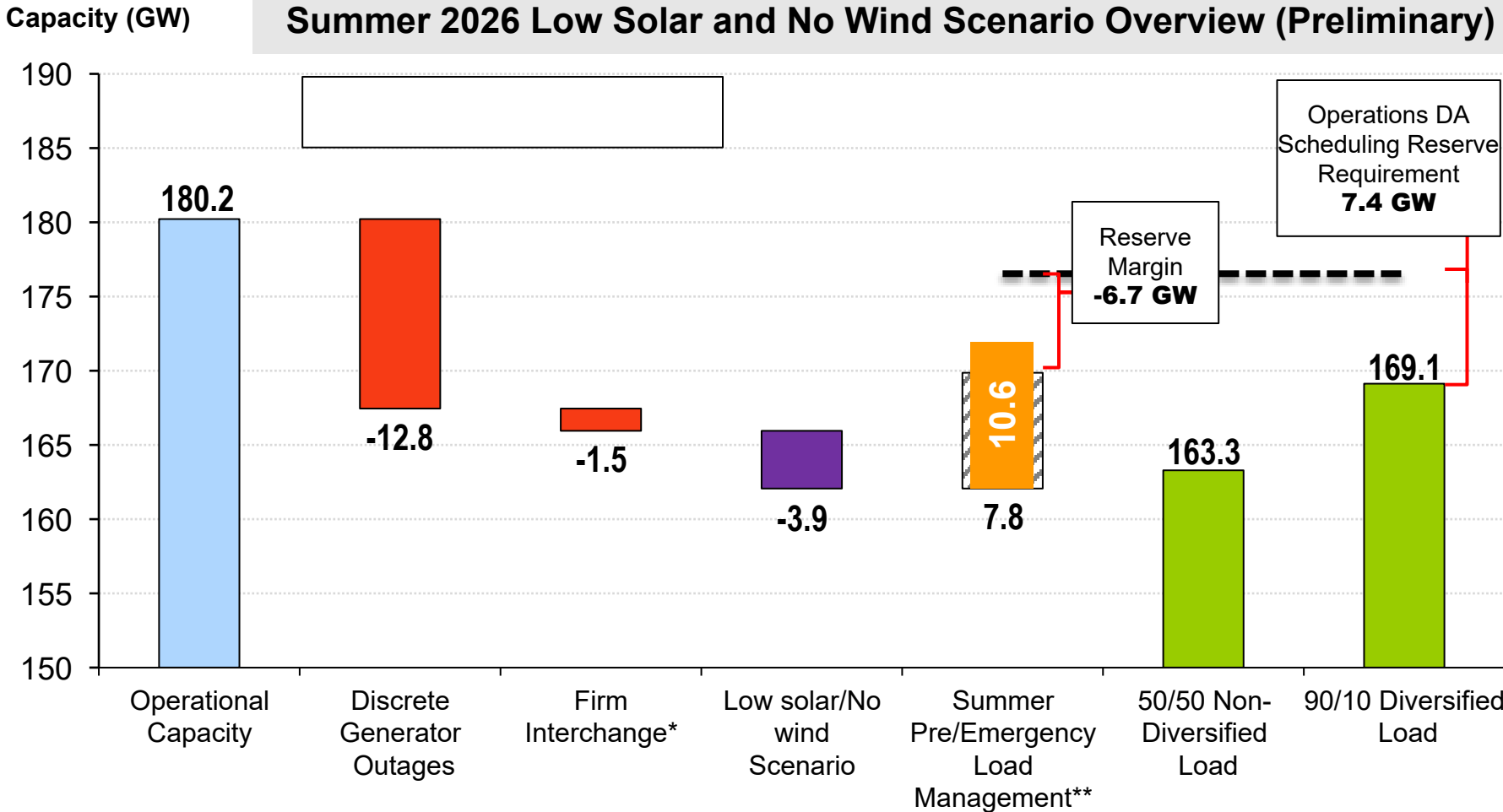
\* Firm Interchange: 1,427 MW.  
 \*\* 97% of Load Management is Pre-Emergency.



# Low-Solar and No-Wind Scenario

(Summer 2026 – Preliminary)

**Summer 2026 Low Solar and No Wind Scenario Overview (Preliminary)**



**Anticipated PJM actions to reliably serve the 90/10 Forecast:**

1. Issue Max Gen/Load Management Alert (DA)
2. Schedule all Available Generation (DA)
3. Curtail all Recallable Exports (RT)
4. Implement **all** Demand Response (**7.8 GW**) to meet the load + Primary Reserve Requirement of 3.5 GW (RT)
5. Call Maximum Emergency Energy into capacity and purchase Emergency Energy (If available) to address the **2.8 GW shortfall**
6. Initiate escalating Emergency Procedures if needed (RT)

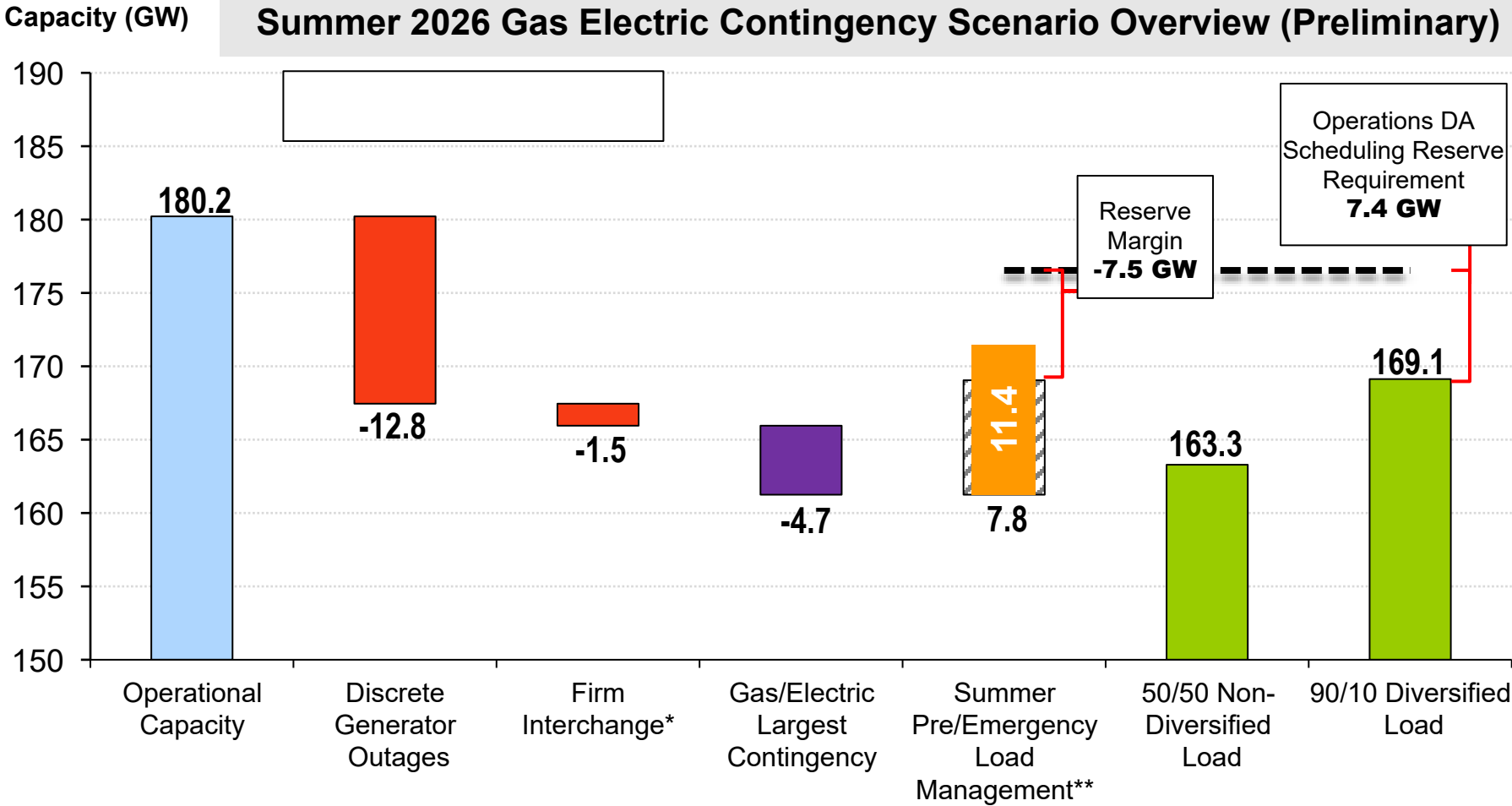
**\*\*Firm Interchange: 1,427 MW.**  
**\*\* 97% of Load Management is Pre-Emergency.**



# Gas-Electric Contingency Scenario

(Summer 2026 – Preliminary)

**Summer 2026 Gas Electric Contingency Scenario Overview (Preliminary)**



**Anticipated PJM actions to reliably serve the 90/10 Forecast:**

1. Issue Max Gen/Load Management Alert (DA)
2. Schedule all Available Generation (DA)
3. Curtail all Recallable Exports (RT)
4. Implement **all** Demand Response (7.8 GW) to meet the load + Primary Reserve Requirement of 3.5GW (RT)
5. Call Maximum Emergency Energy into capacity and purchase Emergency Energy (If available) to address the **3.6 GW shortfall**
6. Initiate escalating Emergency Procedures if needed (RT)

**\*\*Firm Interchange: 1,427 MW.**

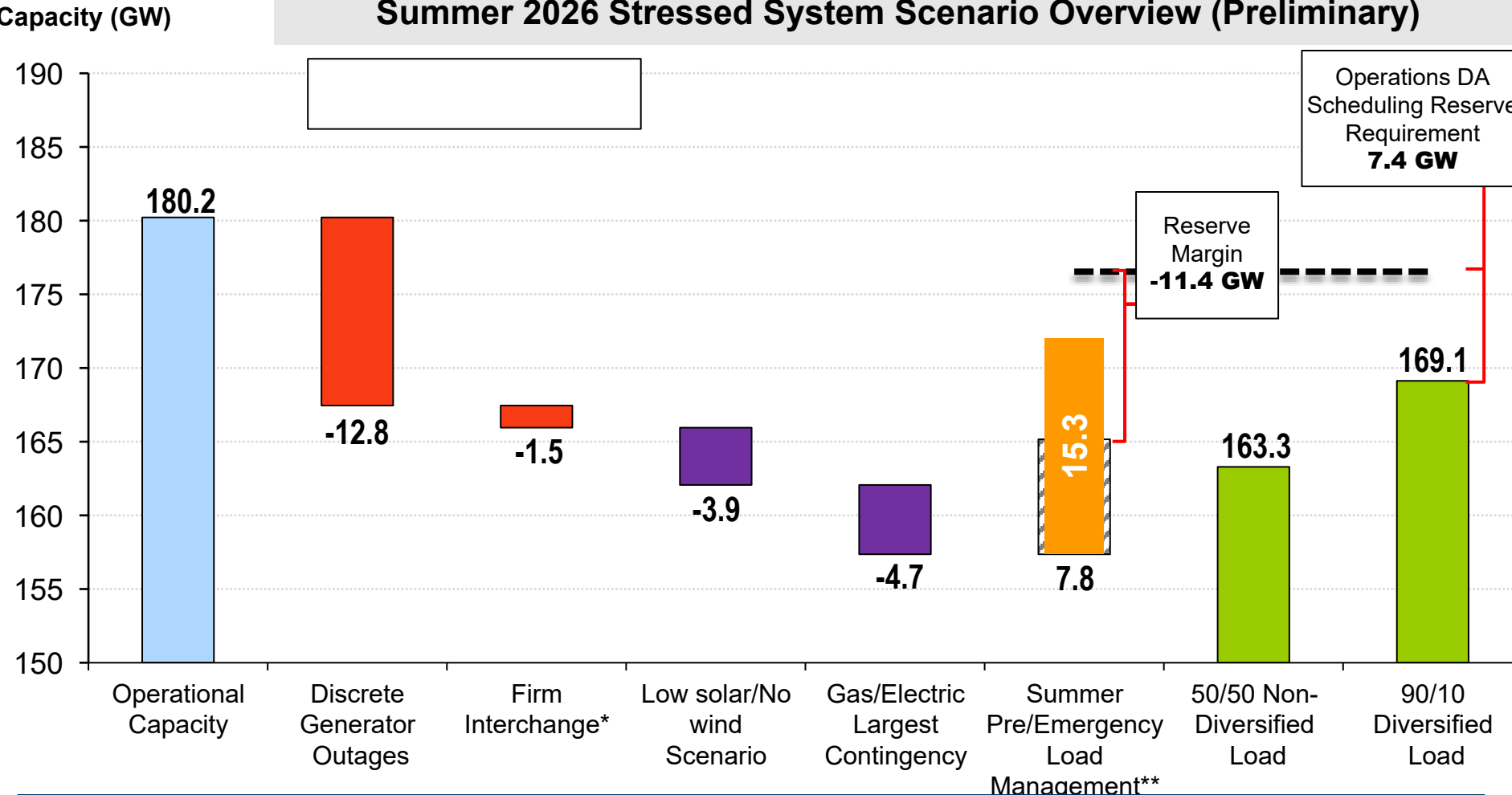
**\*\* 97% of Load Management is Pre-Emergency.**



# Stressed System Scenario

(Summer 2026 – Preliminary)

## Summer 2026 Stressed System Scenario Overview (Preliminary)



### Anticipated PJM actions to reliably serve the 90/10 Forecast:

1. Issue Max Gen/Load Management Alert (DA)
2. Schedule all Available Generation (DA)
3. Curtail all Recallable Exports (RT)
4. Implement **all** Demand Response (7.8 GW) to meet the load + Primary Reserve Requirement of 3.5 GW (RT)
5. Call Maximum Emergency Energy into capacity and purchase Emergency Energy (If available) to address the **7.5 GW shortfall**
6. Initiate escalating Emergency Procedures if needed (RT)

**\*\*Firm Interchange: 1,427 MW.**  
**\*\* 97% of Load Management is Pre-Emergency.**

Rising Demand	Reserve Shortage	Reliability
<ul style="list-style-type: none"><li>Operational capacity has remained roughly the same, but forecast demand continues to increase year over year.</li></ul>	<ul style="list-style-type: none"><li>We are projecting reserve margins to be adequate under peak operating periods.</li><li>Pre-Emergency and Emergency load management may be required to meet load and reserve requirements.</li></ul>	<ul style="list-style-type: none"><li>Good generation performance will be key to maintaining reliability.</li></ul>

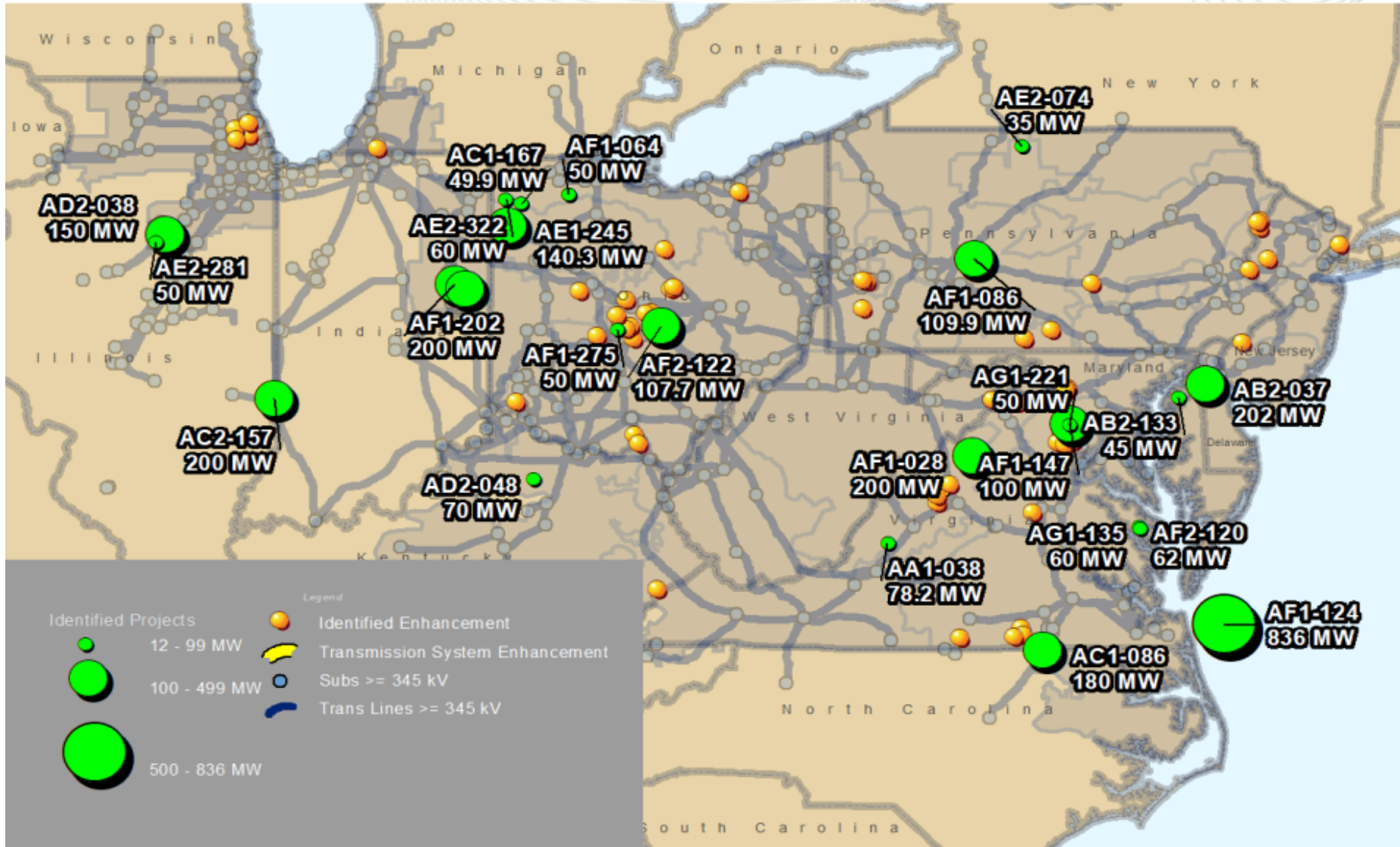


# Transmission Outlook: 2026 Summer OATF Study

<b>50/50 Non-diversified Peak Load Base Case</b>	
LAS Load Forecast	163,291 MW
RTO Case Interchange	1,427 MW** (Exporting)
PJM RTO Installed Capacity	180,219 MW (Preliminary)
Discrete Generator Outages	12,767 MW

\*\*1427 MW is Firm Interchange

# Upcoming Generation and Transmission Projects



Voltage Level	Number of Outages*	Outage Information
765 kV	11	AEP
500 kV	8	APS, DOM, GPU, PE, PEPCO, PPL
345 kV	10	AEP, ATSI, COMED, DEOK, DLCO
230 kV	51	APS, BGE, DOM, GPU, PEPCO, PPL, UGI
138 kV	27	AEP, APS, ATSI, COMED, DLCO, DPL, GPU, PEPCO, PPL
115KV	9	BGE, DOM, GPU

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

TO	Voltage	Impactful Outages
AEP	765 kV	Greentown – Renolds 765 kV line
DOM	500 kV	Bristers 500/230 kV transformer
DOM	500 kV	Goose Creek – Brambleton 500 kV line

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 (169,128 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

Violations Controlled	Switching	Reliability
<ul style="list-style-type: none"> <li>All local thermal and voltage violations were controlled with re-dispatch of generation, available switching, PAR adjustments, and local capacitors.</li> </ul>	<ul style="list-style-type: none"> <li>Dominion will implement pre-contingency switching solutions to control for thermal and voltage issues and if needed will also use PCLLRW.</li> </ul>	<ul style="list-style-type: none"> <li>No reliability issues were identified in the N-1 results.</li> </ul>

Presenter:

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