

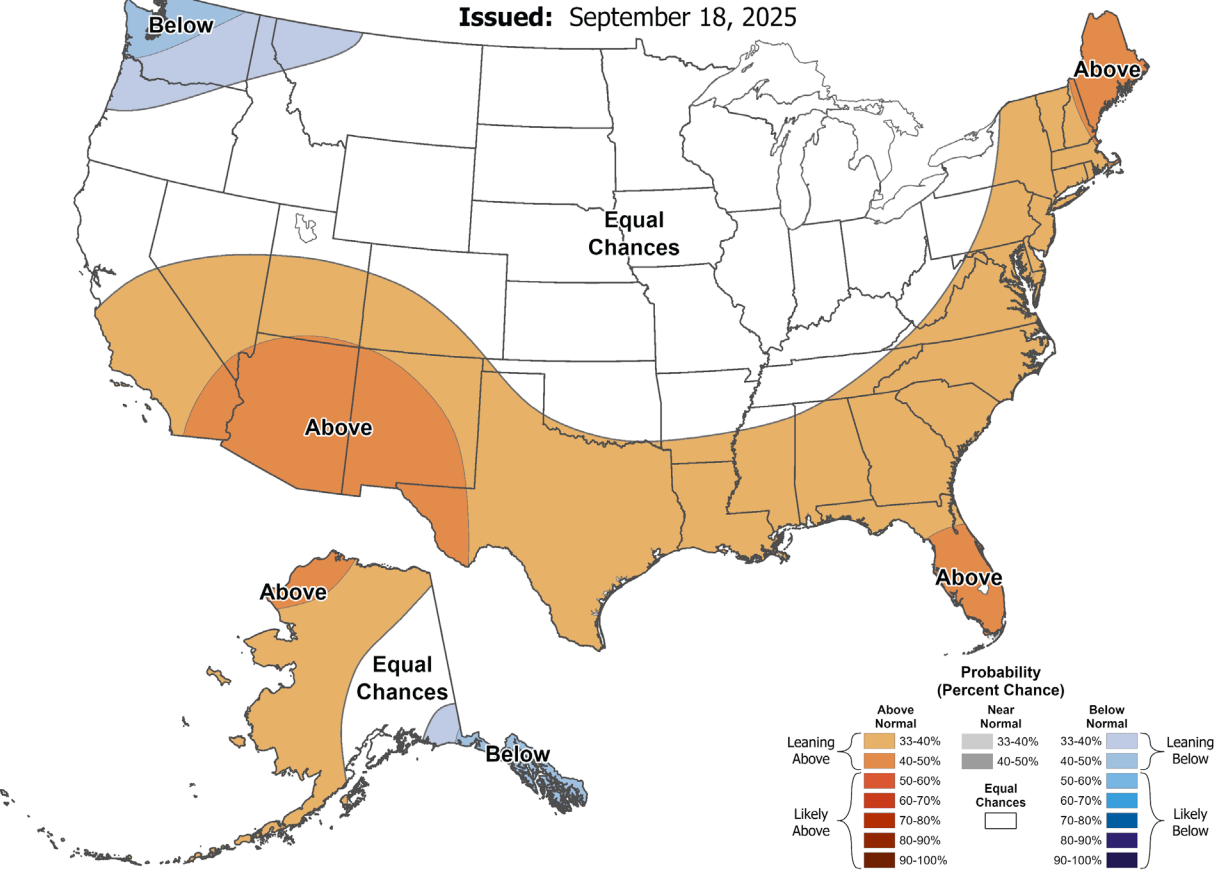
# PJM Winter 2025-26 Outlook: Capacity Projections & Transmission System Analysis

Chris Pilon  
Sr. Director, Operations Planning  
Indiana Winter Reliability Forum  
December 2, 2025



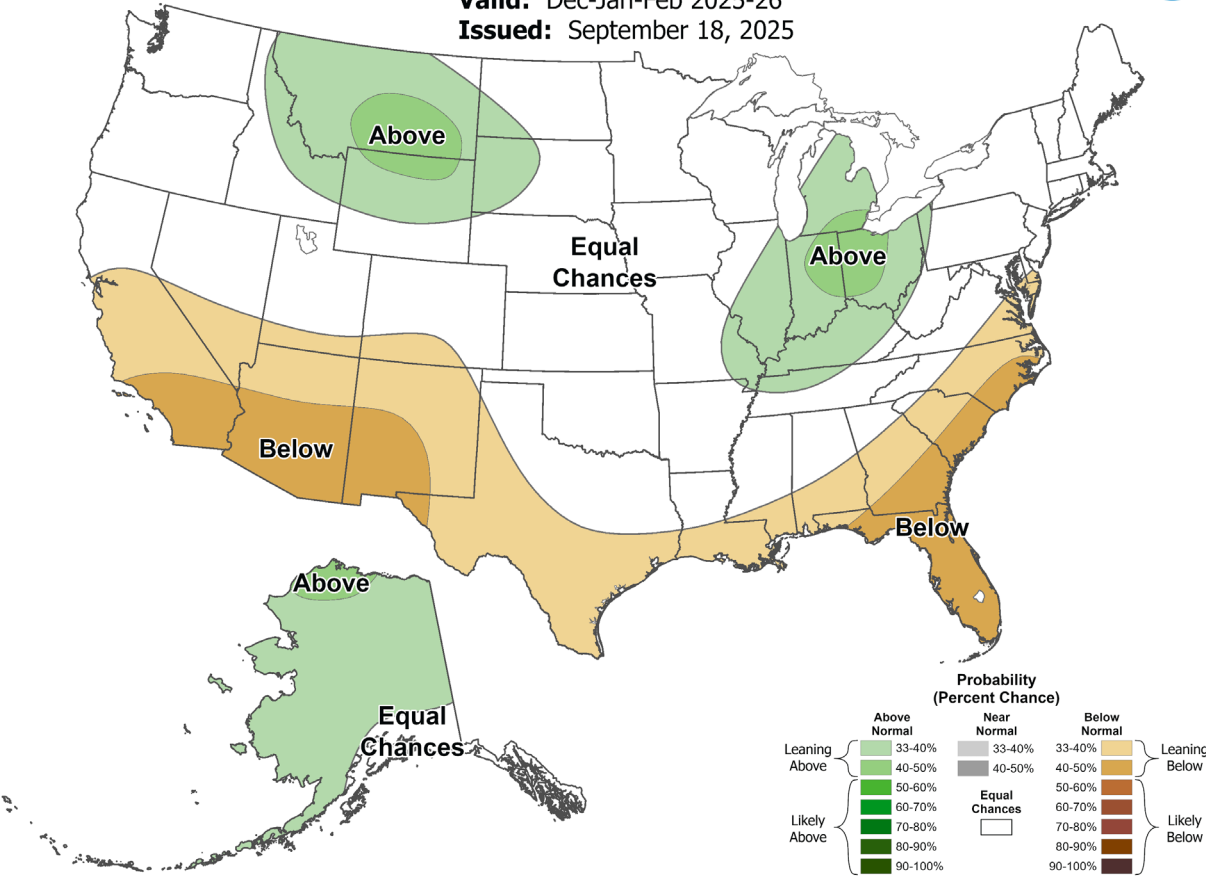
## Seasonal Temperature Outlook

**Valid:** Dec-Jan-Feb 2025-26  
**Issued:** September 18, 2025



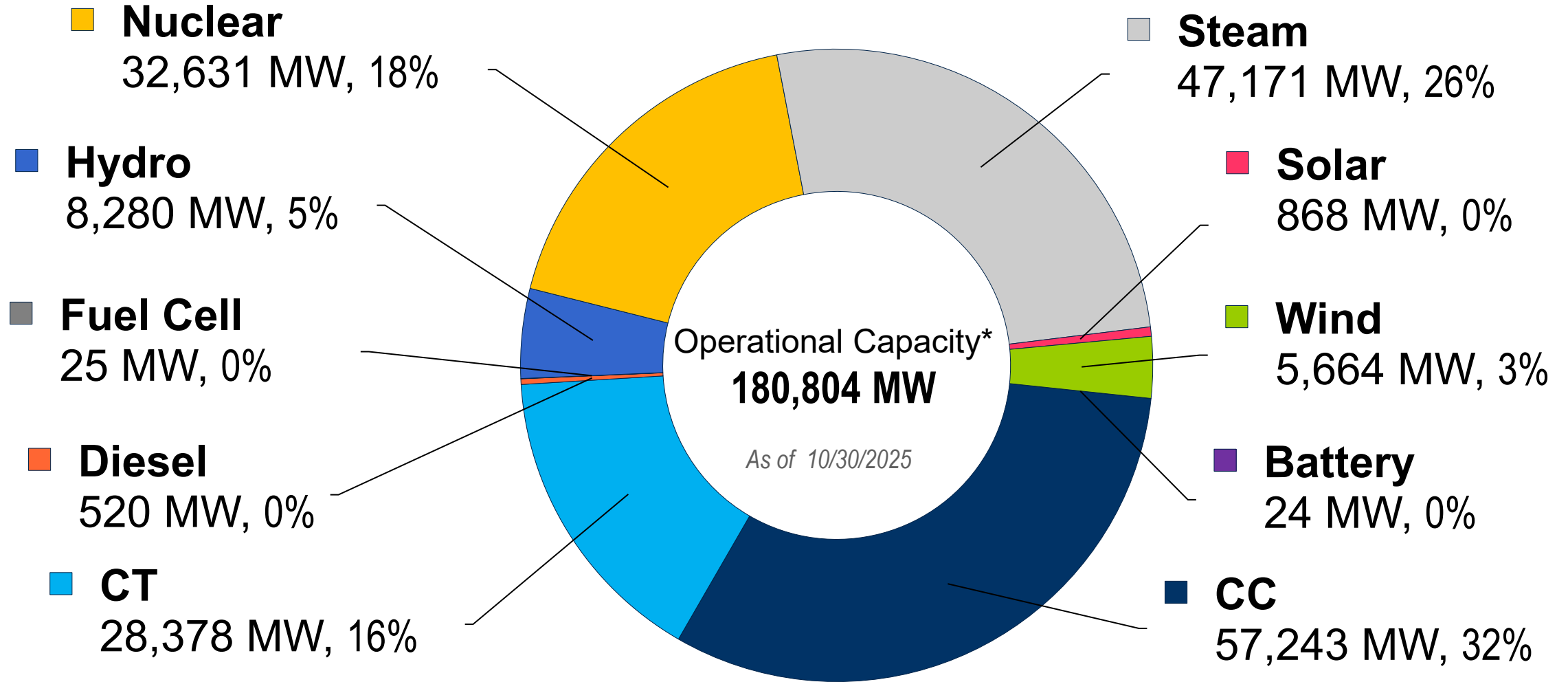
## Seasonal Precipitation Outlook

**Valid:** Dec-Jan-Feb 2025-26  
**Issued:** September 18, 2025



- |  |   |
|--|---|
| <ul style="list-style-type: none"><li><input type="checkbox"/> Generator Site Visits With RF and SERC</li><li><input type="checkbox"/> Cold Weather Checklist/Operating Limit Data Request</li><li><input type="checkbox"/> Seasonal Fuel Inventory and Emissions Data Request</li><li><input type="checkbox"/> Periodic Fuel and Non-Fuel Consumables Inventory Data Requests</li><li><input type="checkbox"/> NERC TOP-002-5 and EOP-012-3 standard required gas procurement notifications</li></ul> | <ul style="list-style-type: none"><li><input type="checkbox"/> Daily Gas-Electric Team analysis stands up</li><li><input type="checkbox"/> Pre-Winter Reactive Capability Verification</li><li><input type="checkbox"/> RTO-Wide Winter Emergency Procedures Drill</li><li><input type="checkbox"/> NYISO, MISO, TVA and CPL Seasonal Readiness Meetings</li><li><input type="checkbox"/> NERC/RF/SERC Winter Prep Activities</li><li><input type="checkbox"/> SERC and NPCC Winter Operations and Capacity Projections</li></ul> |
|--|---|

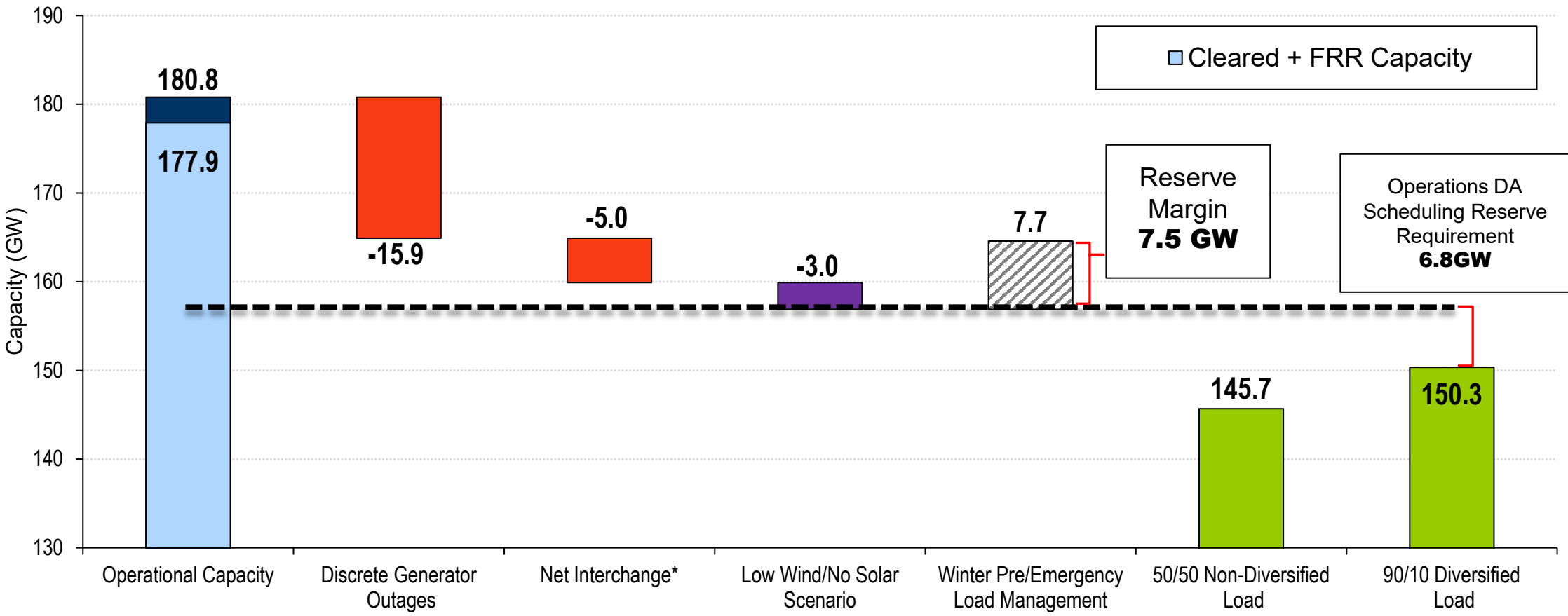
# Unit Type Breakdown



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

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

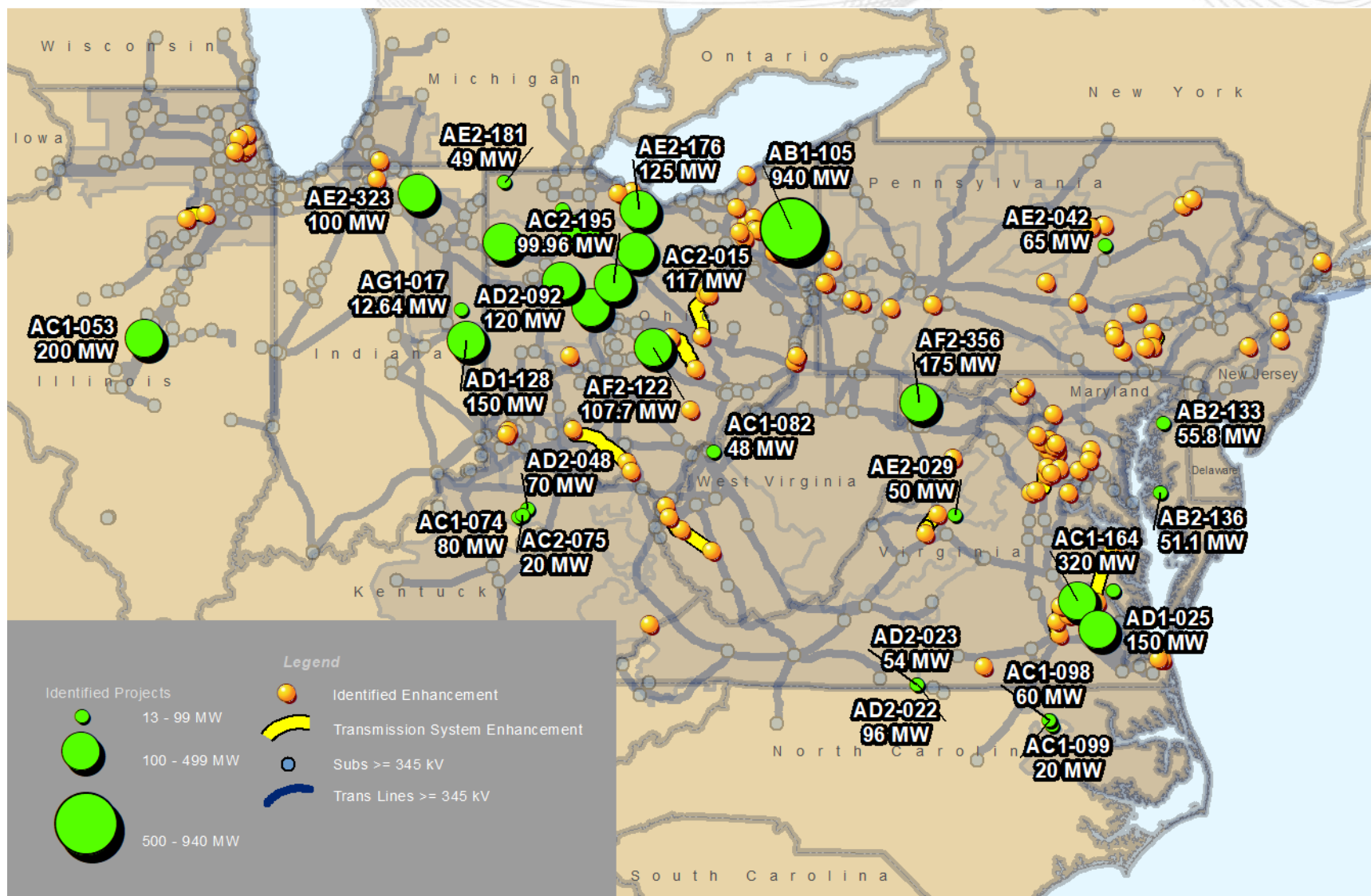
## Winter 2025-26 Low Wind and No Solar Scenario Overview (Preliminary)



\* 2,540MW of **Net Interchange** (5,000MW) is **Firm Interchange**



# Upcoming Generation and Transmission Projects



- 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 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<br>(150,347 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 |



| 1   | 2   | 3                                       |
|---|---|---|
| <b>Capacity remains stable<br/>but demand is rising</b> | <b>Reserve margins are<br/>tightening</b> | <b>Reliability remains<br/>adequate</b> |