Summer 2026
PJM Reliability Assessment

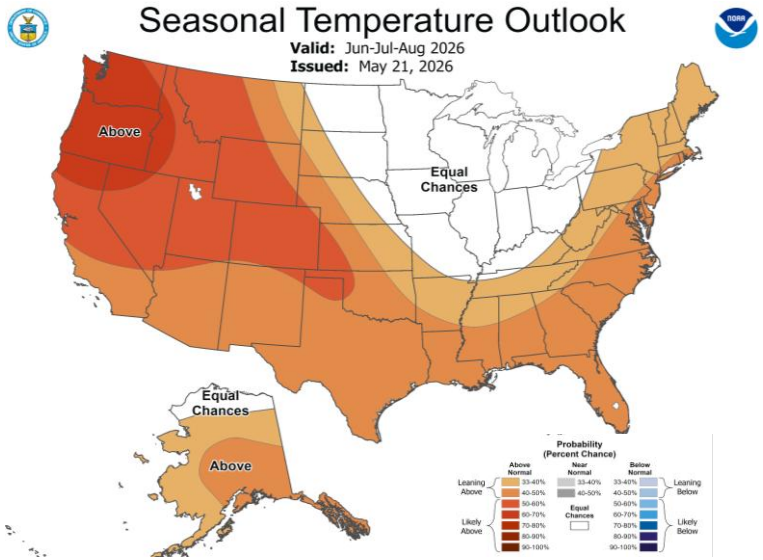
Pennsylvania Public Utility Commission

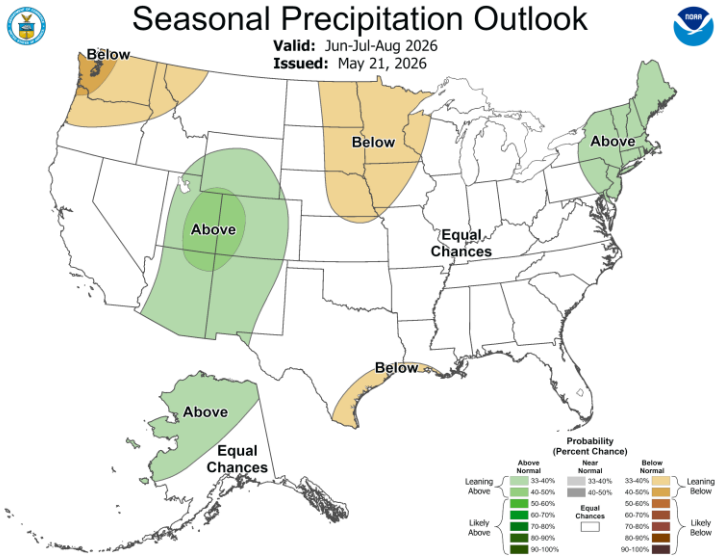
May 2026

PJM
Forward Planning for Summer

Weather Outlook

Summer 2026 Weather Projections





- A lean toward above-normal temperatures are forecast from the Appalachians eastward.
- Equal chances of above- and below-normal temperatures over the Midwest and Great Lakes.
- Wetter-than-normal conditions are in the eastern Mid-Atlantic through New England.

2026 Atlantic Hurricane Forecast

Named Storms	Hurricanes	Major Hurricanes
14	7	3

PJM is planning for a hurricane season with activity below the 30-year average.

Seasonal outlook maps source: National Oceanic and Atmospheric Administration
Hurricane outlook provided by Colorado State University

2025 PJM Summer Demand

Summer 2025	DEMAND			PJM Installed Capacity
	Forecast Summer	Summer Study Average	Summer Study High	
	154.0 GW	161.0 GW	166.6 GW	179.2 GW

Relative Peaks	2024 Summer Peak	All-Time Summer Peak (2006)
	152.7 GW	165.6 GW

2026 PJM Summer Demand

Summer 2026	DEMAND			PJM Installed Capacity
	Forecast Summer	Summer Study Average	Summer Study High	
	156.4 GW	163.3 GW	169.1 GW	180.2 GW

Relative Peaks	2025 Summer Peak	All-Time Summer Peak (2006)
	161.3 GW	165.6 GW

50/50 Nondiversified Peak Load Base Case

LAS Load Forecast	Preliminary RTO Net Interchange	PJM RTO Installed Capacity	Discrete Generator Outages
163,291 MW	**-1,427** MW *(Exporting)*	**180,219** MW *(preliminary)*	**12,767** MW

PEAK LOAD ANALYSIS

No transmission reliability issues identified.

2026 Summer Transmission Study – Sensitivities

Sensitivity Studies	Impact
▪ External Contingencies	No reliability concerns
▪ N-1-1 Relay Trip Conditions	No reliability concerns
▪ Max-Cred Contingency Analysis	No reliability concerns
▪ Transfer Interface Analysis	No reliability concerns
▪ 90/10 Load Forecast Study (169,128 MW)	No reliability concerns
▪ Solar and Wind Generation Sensitivity Study	No reliability concerns

PJM Preparation for Summer 2026

Perform a summer reliability assessment to include any additional sensitivity analysis required.

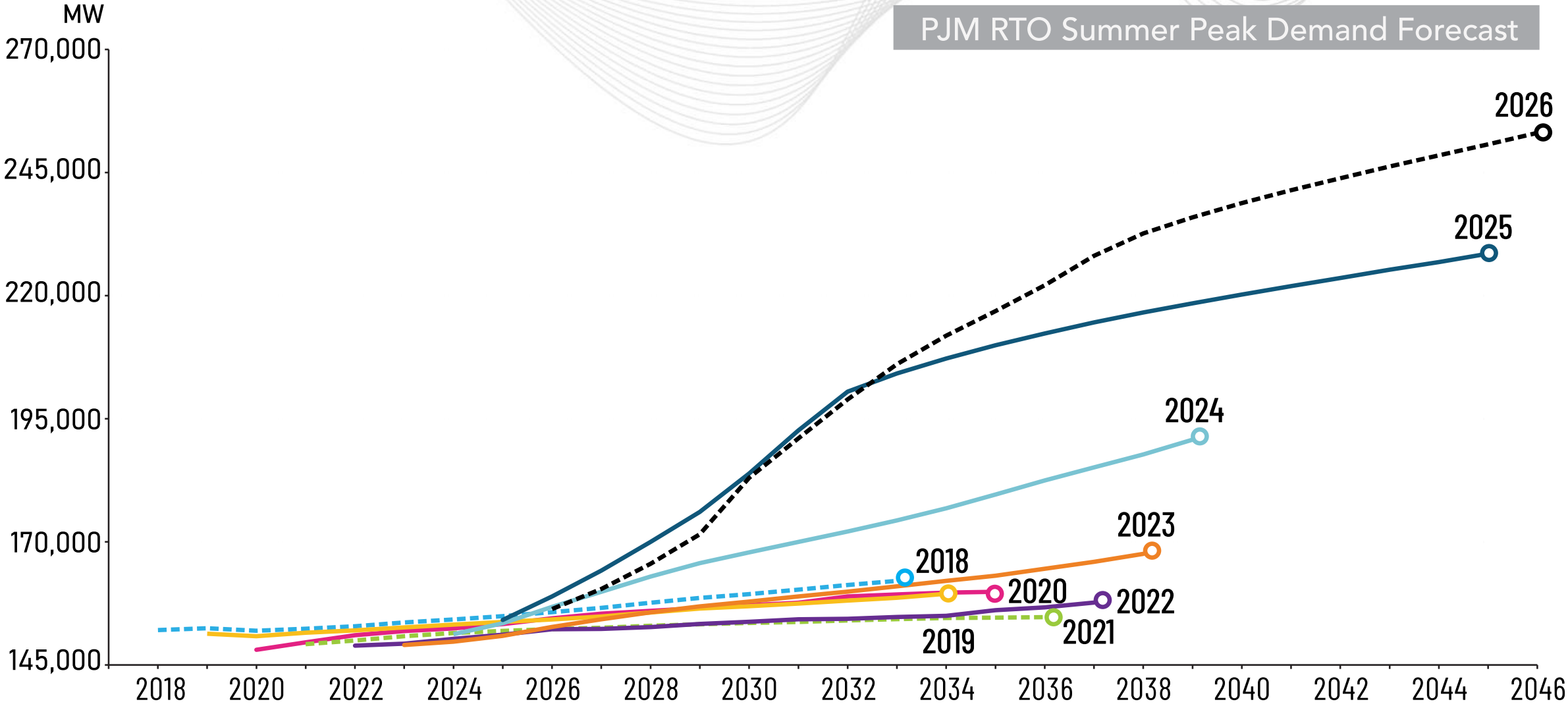
Coordinate summer assessments with neighboring systems (NYISO, MISO, TVA and VACAR).

Conduct emergency procedures drill to prepare PJM staff and PJM stakeholder staff for any emergency operations.

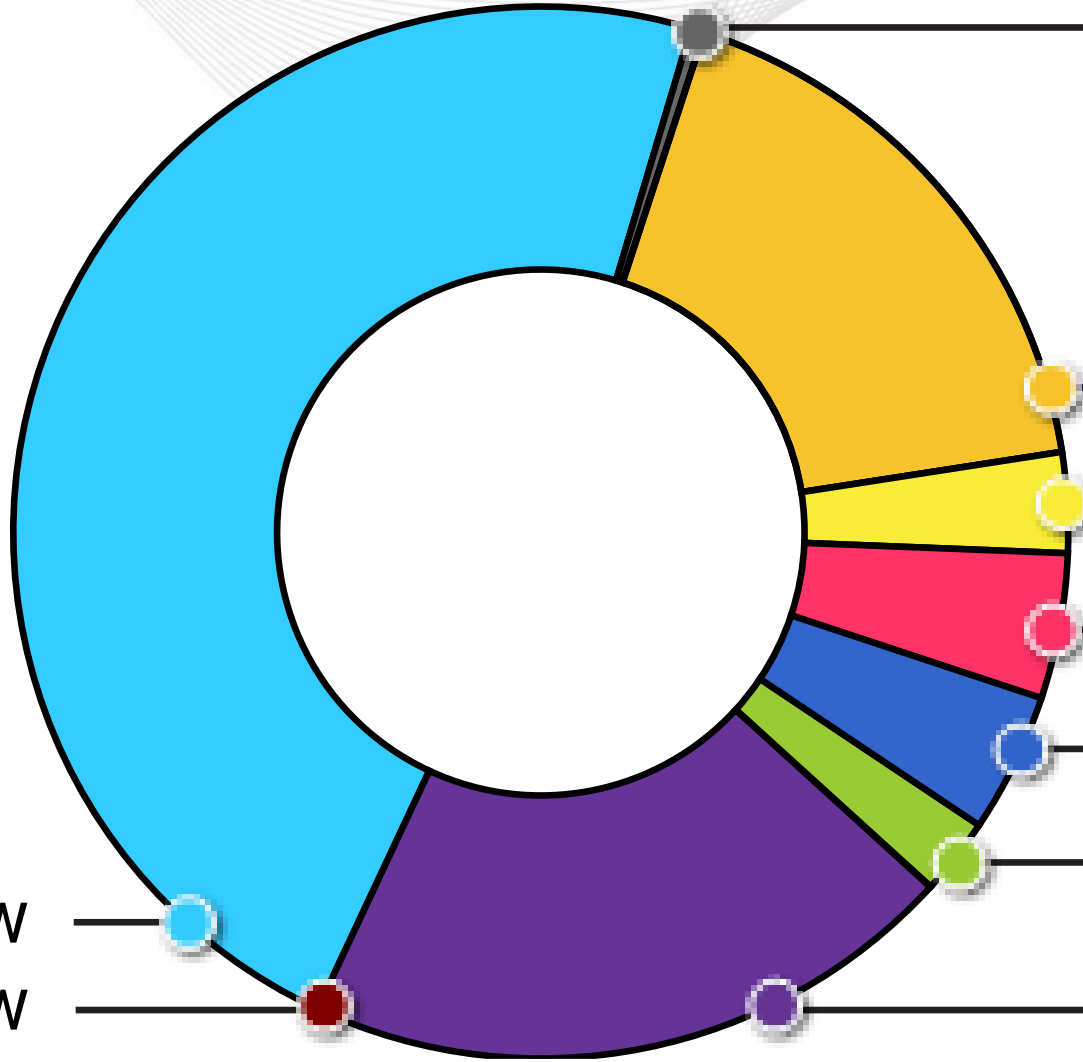
Request periodic generator fuel inventory and supply data to maintain situational awareness throughout the summer of 2026.

PJM
Resource Adequacy

Electricity Demand Growth



PJM Existing RPM-Eligible Installed Capacity Mix



Waste, **762 MW**

Nuclear, **32,531 MW**

Oil, **5,717 MW**

Solar, **8,297 MW**

Hydro, **7,977 MW**

Wind, **4,374 MW**

Coal, **37,452 MW**

Natural Gas, **88,398 MW**

Other, **34 MW**

As of Dec. 31, 2025

The PJM Interconnection Queue (2020–Present)

As of March 2, 2026

Responsibility shifts from PJM to developers

Total Interconnection Requests In Progress:
324 GW
Withdrawn: 175 GW

Studies Completed & Agreement Tendered:
119 GW
Withdrawn: 16 GW

Completed Interconnection Agreement Phase:
103 GW

Remain to be Studied:
30 GW

In Service Today:	23 GW
Construction Ready:	46 GW
Construction Paused:	8 GW
Agreements Withdrawn:	26 GW

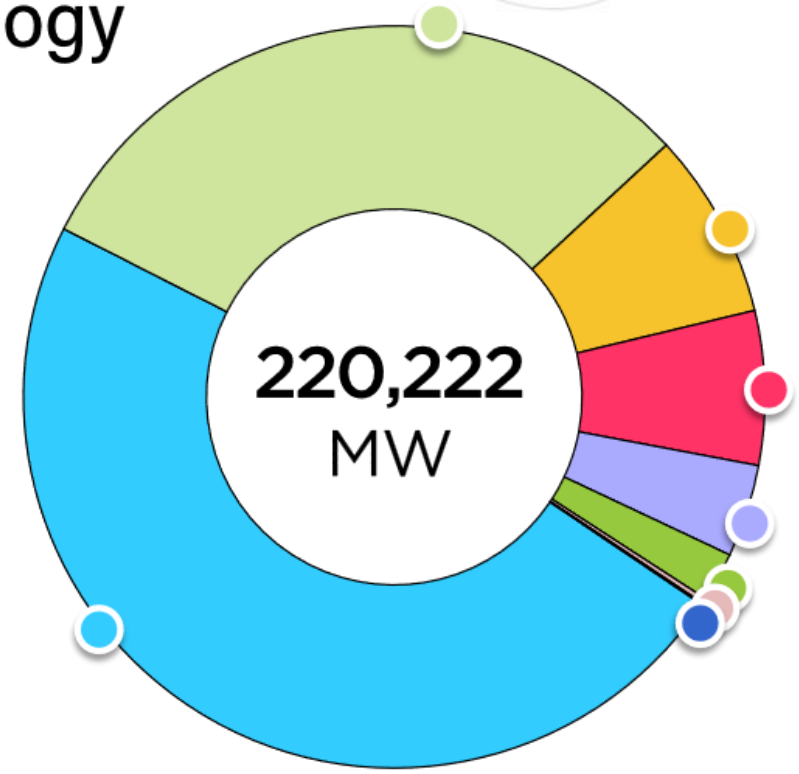
PJM's interconnection process is working, with 54 GW of projects cleared to build and shorter turnaround timelines than ever before.

New Generation Projects Seek To Connect Under PJM's Reformed Process

Cycle 1 Submissions by Fuel/Technology Type (MWE)

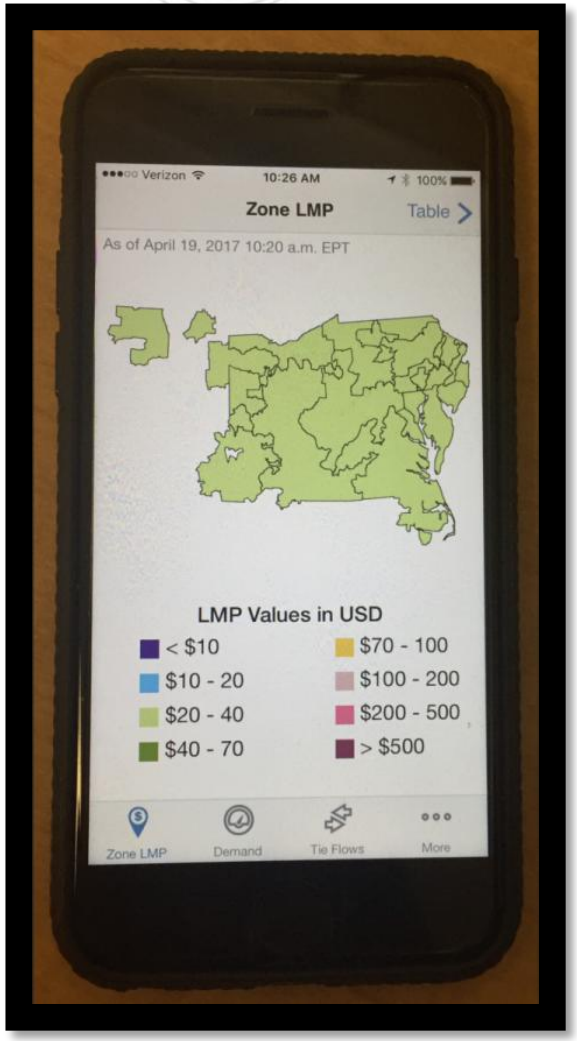
811
Generation Interconnection Submissions

As of April 28, 2026



	No. of Units:
Natural Gas, 105,797 MW *Includes single and dual fuel*	157
Storage, 67,465 MW	349
Nuclear, 17,906 MW	27
Solar, 14,781 MW	142
Solar/Storage, 8,890 MW	45
Wind, 4,726 MW	65
Hydro, 151 MW	11
Other, 506 MW *Biomass, Coal, Methane, Fusion*	15

PJM Now App Available



Contact

For More Information:

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PJM Governmental Services
stephen.bennett@pjm.com

PJM Summer Reliability Assessment

Member Hotline

1 (610) 666-8980

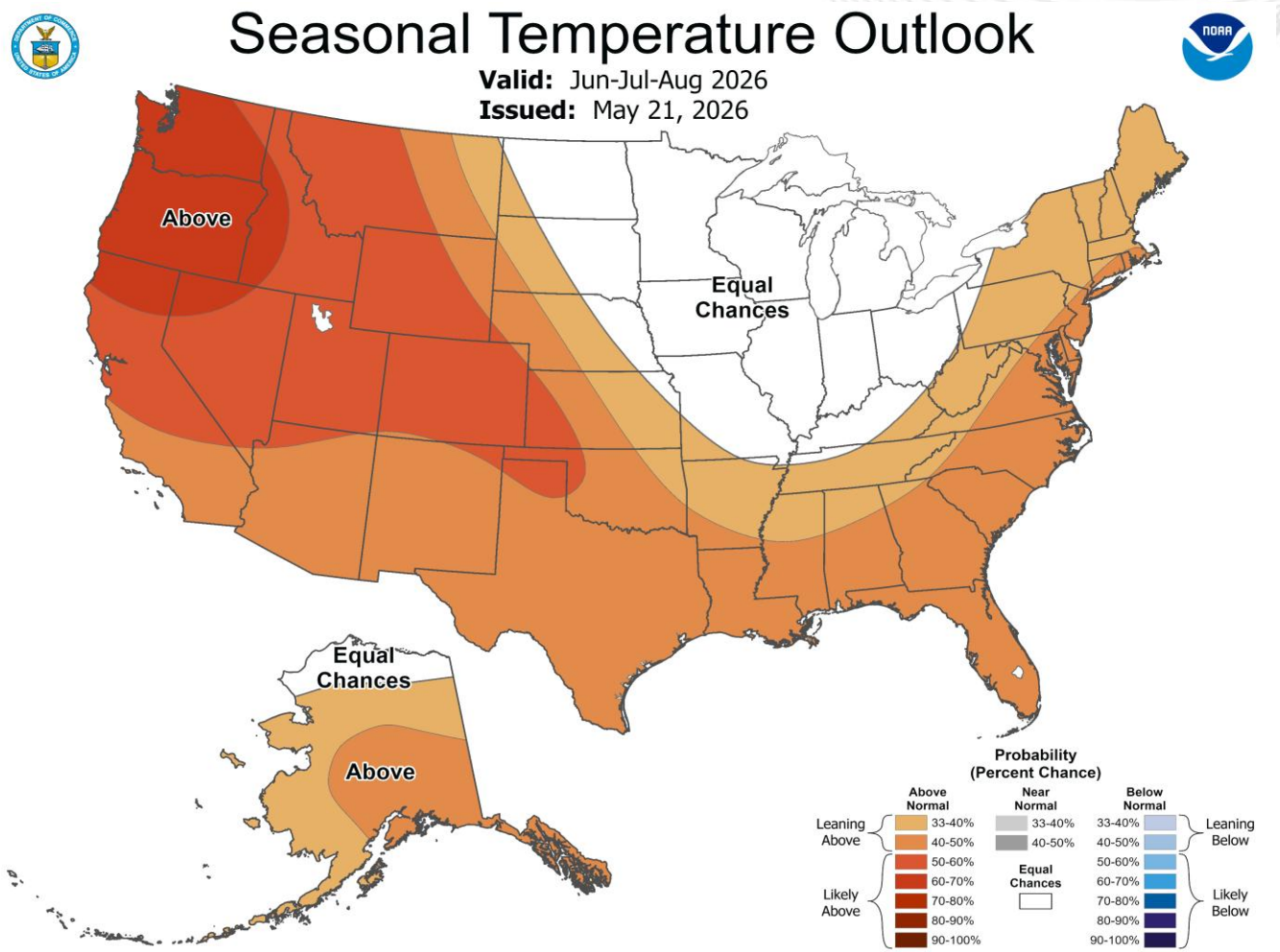
1 (866) 400-8980

custsvc@pjm.com

Appendix

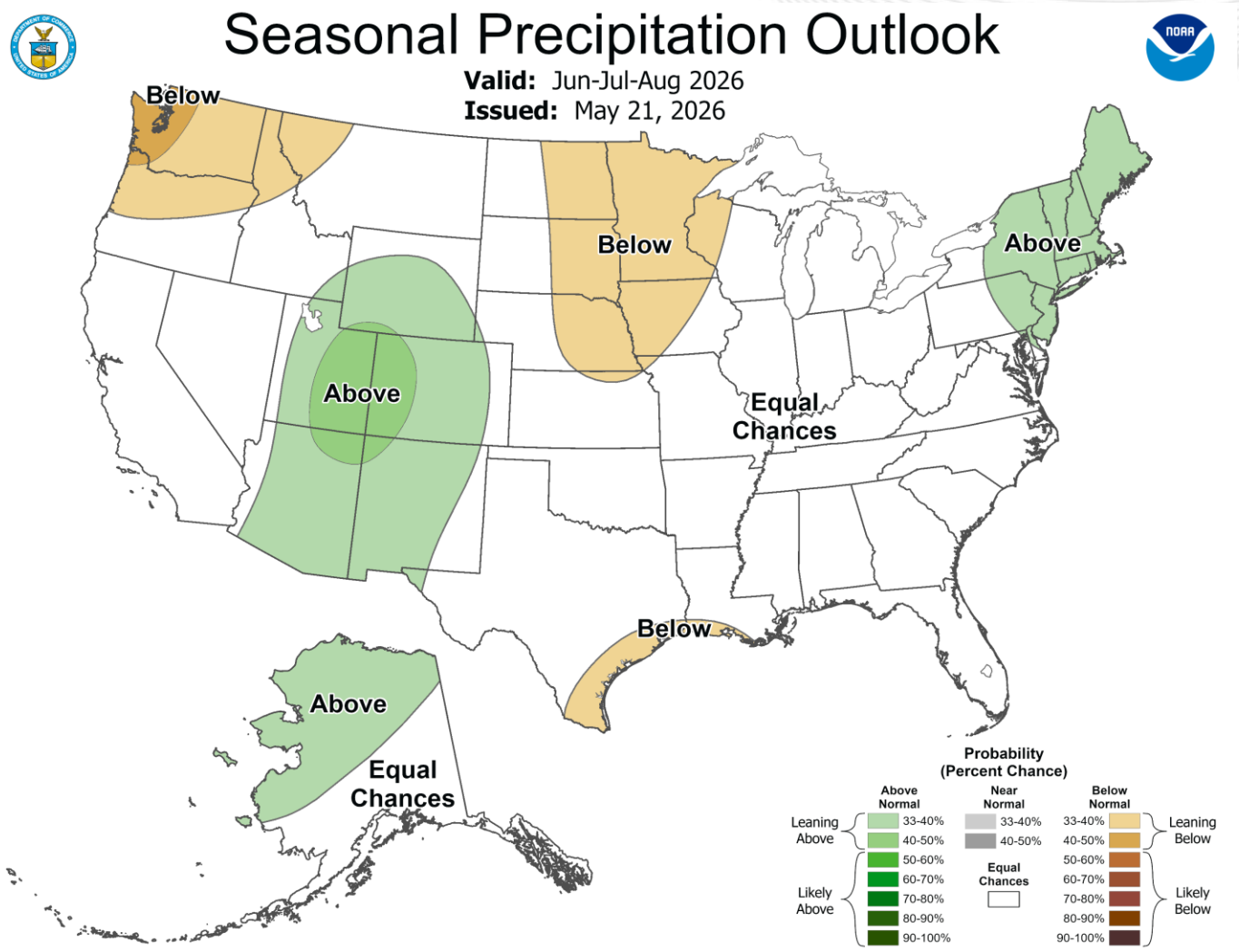
PJM
2026 Weather Outlook

Summer Outlook – Temperature



- A lean toward above-normal temperatures are forecast from the Appalachians eastward.
- Equal chances of above and below normal temperatures over the Midwest and Great Lakes.
- Forecast influenced by ENSO-Neutral likely transitioning to El Niño, could be a strong El Niño by late summer, and drought conditions in southern and western U.S.
- Cool risk based on previous similar years in East.

Summer Outlook – Precipitation



- Wetter-than-normal conditions are forecast in the eastern Mid-Atlantic through New England.
  - *Higher humidity should lead to increased A/C use, increased loading including in off-peak periods.*
- Equal chances of above- and below-normal precipitation elsewhere in eastern half of U.S.
- Below normal precipitation may further drought conditions in portions of the central U.S. and Northwest.
- Tropical season may turn out closer to if not below normal, which may lead to a drier risk in East.

Tropical Season Forecast

The Weather Company & Colorado State (CSU)
Initial Hurricane Outlook April 10, 2026
Credit: weather.com

2026 Atlantic hurricane season is forecast to be below the 30-year normal.

2025 Came in below the normal though major hurricanes were slightly above the 30-year normal.

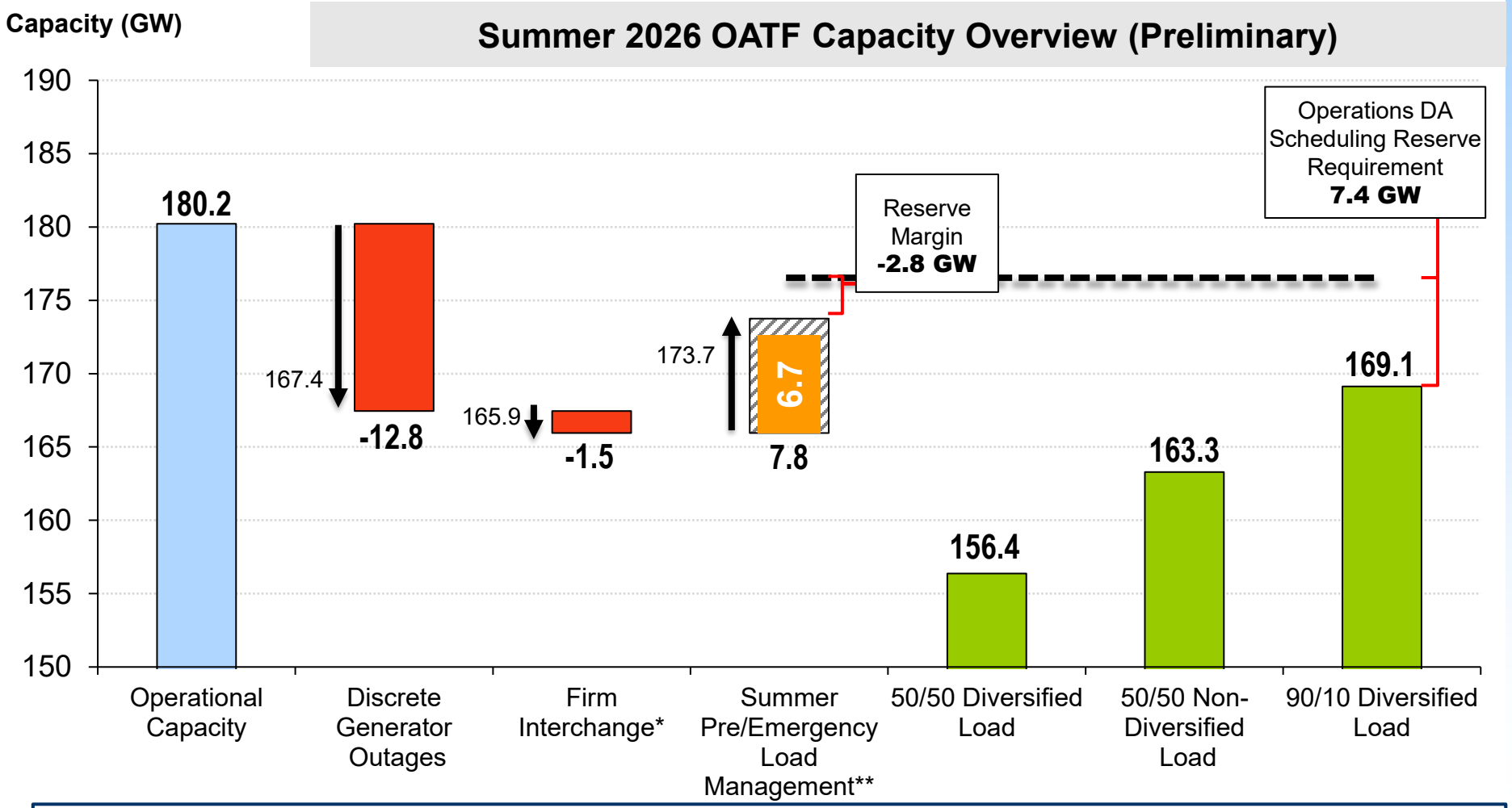
Factors leading to decreased development this summer:

- Higher-than-normal wind shear in main development region.
- Warmer-than-normal ocean temperatures may serve a higher-than-average risk near U.S.

Atlantic hurricane season officially begins on June 1, though 6 of the last 10 years saw tropical activity prior to June (none since 2021).

PJM
2026 Resource Adequacy Assessment

Capacity Outlook: Waterfall Chart
(Summer 2026 – Preliminary)

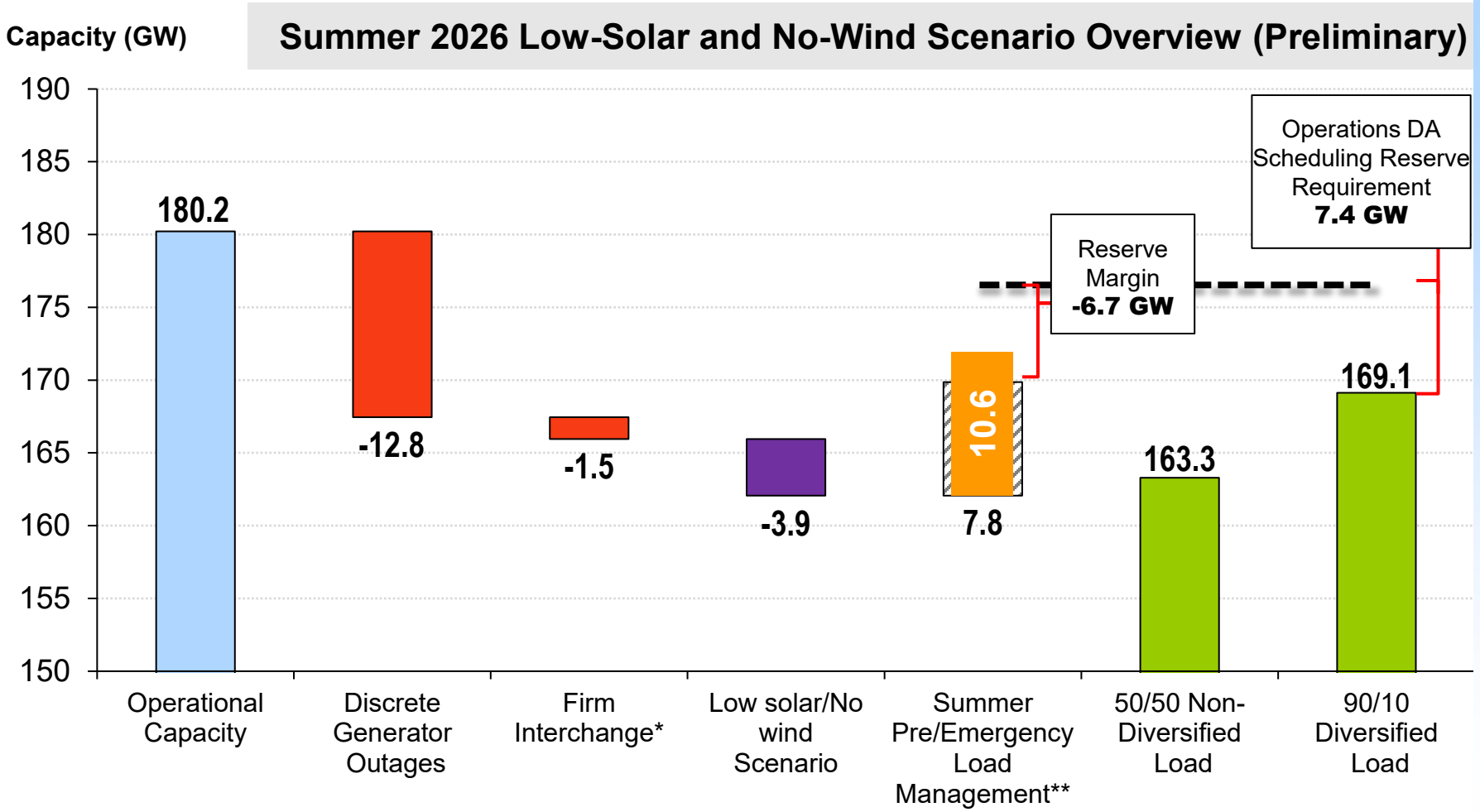


Anticipated PJM actions to reliably serve the 90/10 Forecast:

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)

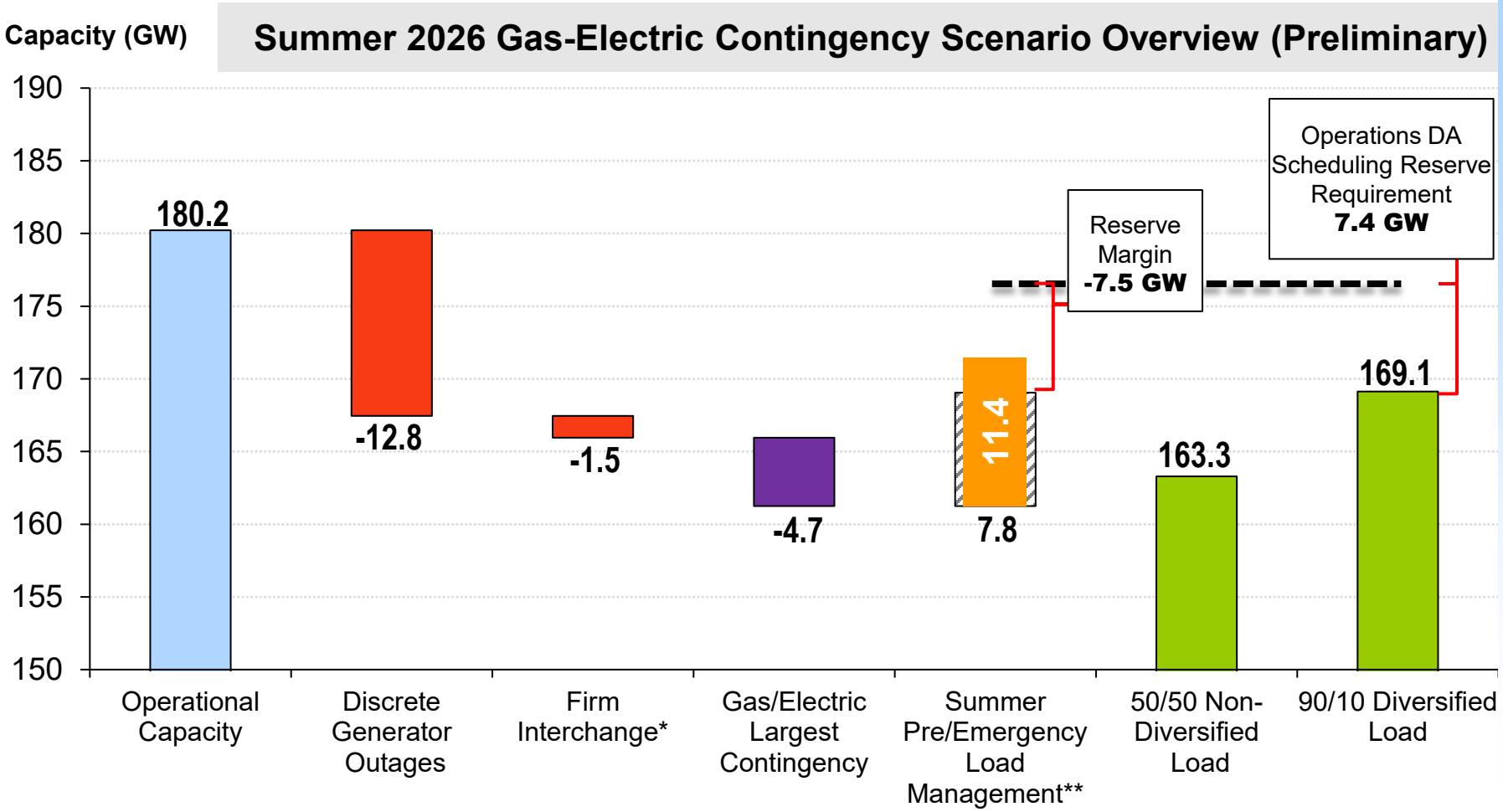


Anticipated PJM actions to reliably serve the 90/10 Forecast:

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 purchas. 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)



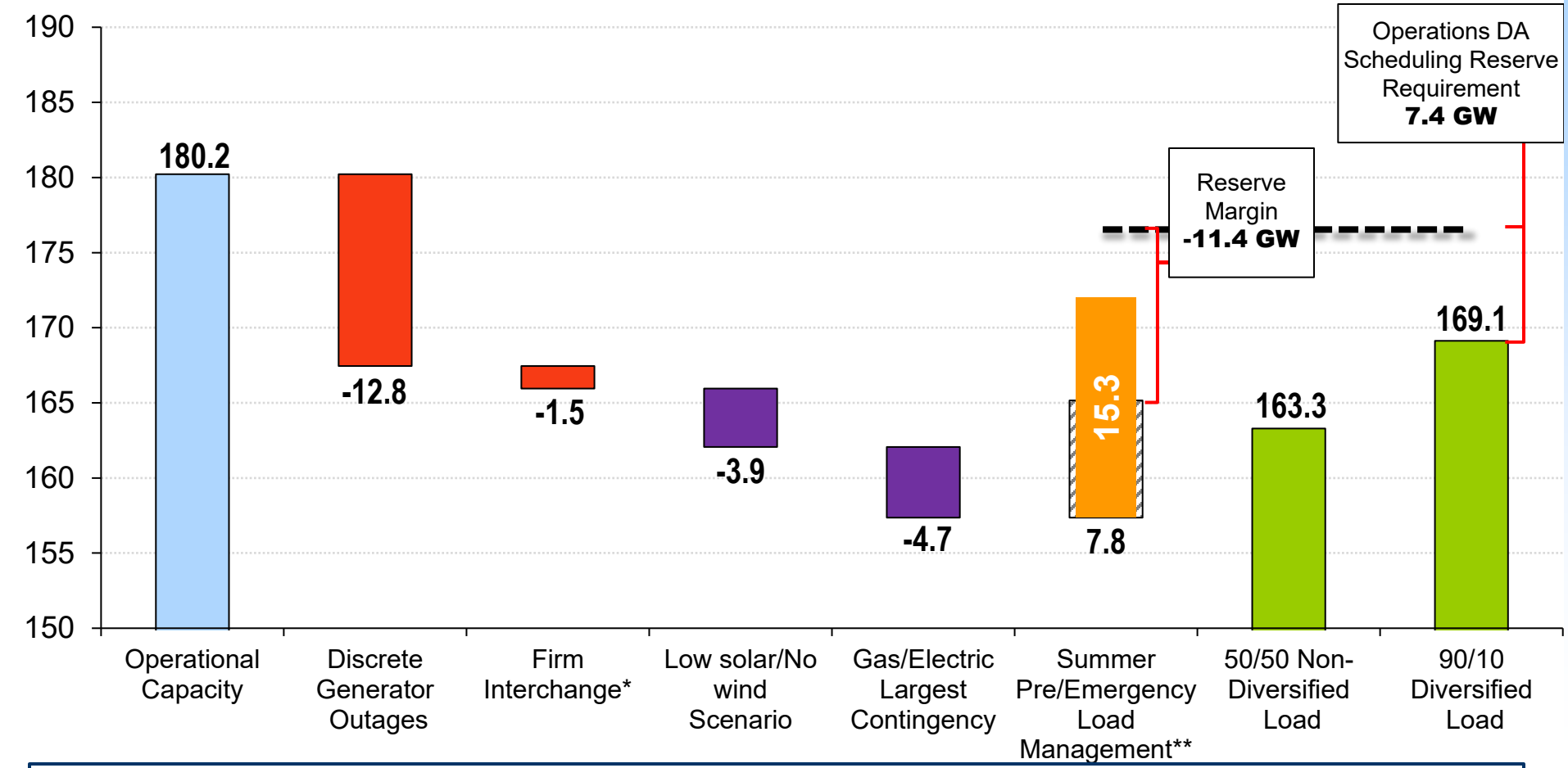
Anticipated PJM actions to reliably serve the 90/10 Forecast:

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 purchas.e 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.*