



Hot Weather Operations

May 18 – May 20

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Operating Committee
June 4, 2026

Operations Update

- 1** Key Takeaways
- 2** Emergency Procedures
- 3** Weather, Temperature and Load Forecast Accuracy
- 4** Generation Performance
- 5** Transmission Performance

Instantaneous Peak Load 136,222 MW– May 19 @ 17:00

Successes

- Served 2nd highest May peak in over a decade during unseasonal hot weather.
- Excellent coordination with both Generator and Transmission Owners.
- Proactively recalled transmission and generation outages to maintain system reliability.

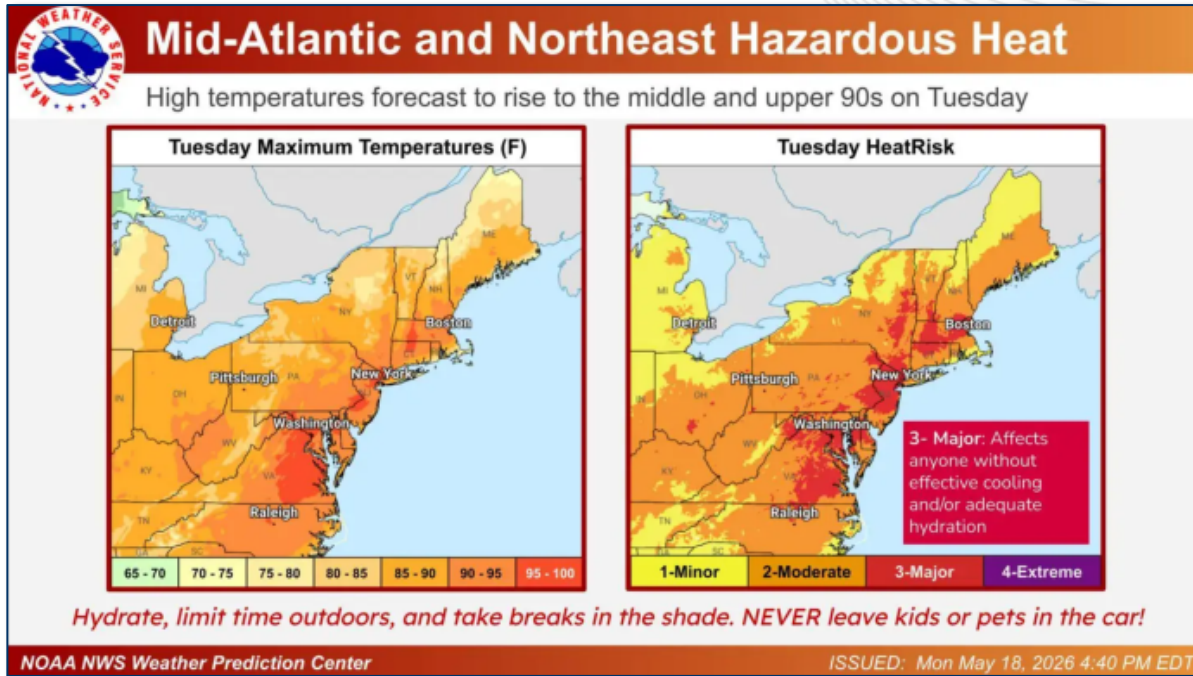
Challenges

- Risk is materializing in outage season as system reserves continue to decline.
- Transmission limited into BGE/PEPCO/Dominion zones driving a higher frequency and reliance on emergency procedures.
- Implementation of DOE 202c Back-up Generation order would have been necessary upon the loss of large generator or transmission facility critical to reliability in the BGE/PEPCO/Dominion.



May Hot Weather – Emergency Procedures

	May 18	May 19	May 20
Hot Weather Alert:	PJM RTO	Mid-Atlantic, DOM, and Western Zone (except ComEd)	Mid-Atlantic and Dominion Zones
Maximum Generation Alert/Load Management Alert and NERC EEA1:	PJM RTO		Transmission Security for BGE/PEPCO/Dominion zones
Pre-Emergency Demand Response (Transmission Constraint Control):	BGE/PEPCO/Dominion Zones totaling ~710 MW		
		AEP-Columbus Zone totaling 110 MW	
Issued:	Maintenance Outage Recall		
	Low Voltage Alert		
	Heavy Load Voltage Schedule Warning		
	Emergency DOE 202c Order Large Load Back-up Generators		



May 18-20, 2026 Heat Wave			
Cities	Hottest Air Temperature	Highest Heat Index	Warmest Low Temperature
Chicago	79°F	79°F	68°F
Columbus	90°F	90°F	67°F
Louisville	91°F	94°F	70°F
Philadelphia	97°F	98°F	72°F
Richmond	96°F	96°F	71°F
RTO Ld.-Wtd. Avg	89°F	91°F	69°F

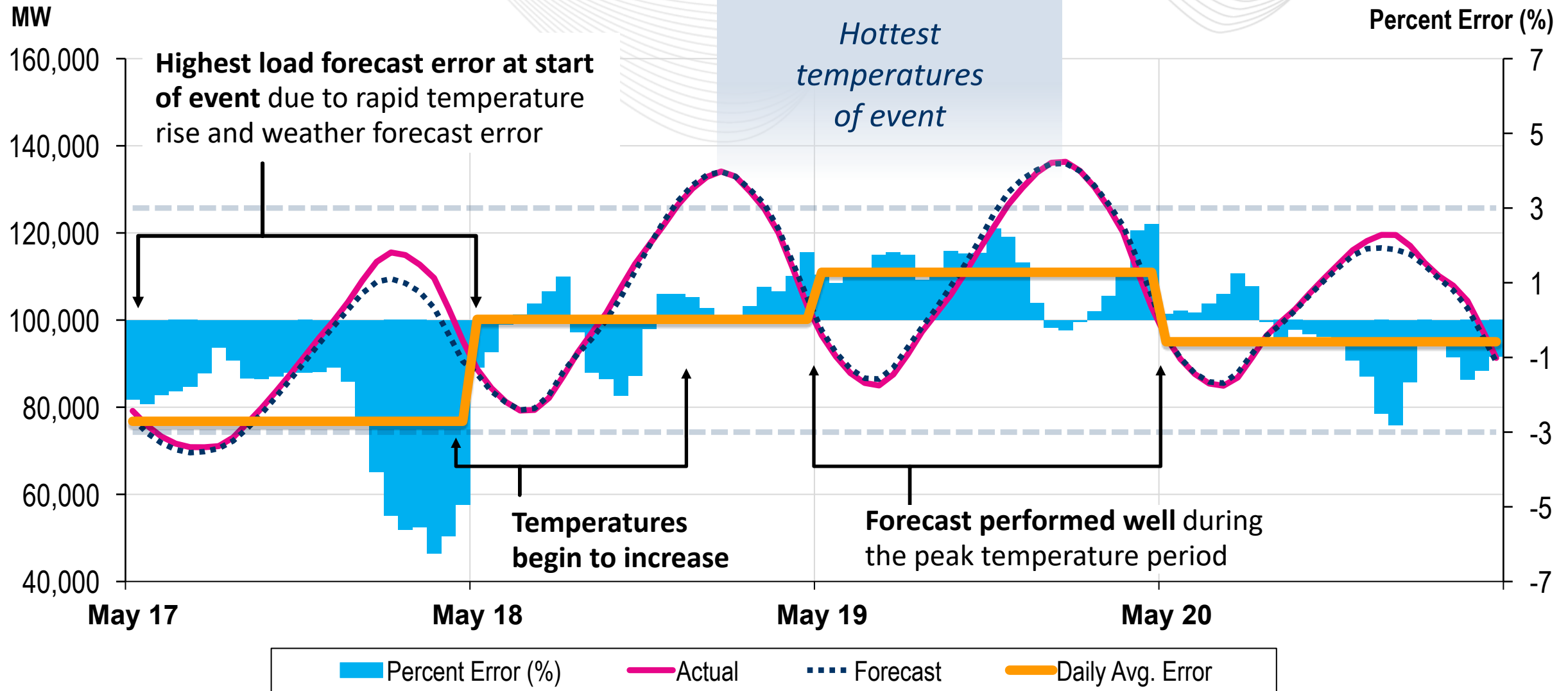
May 17: Temperatures rise into 80s across much of RTO

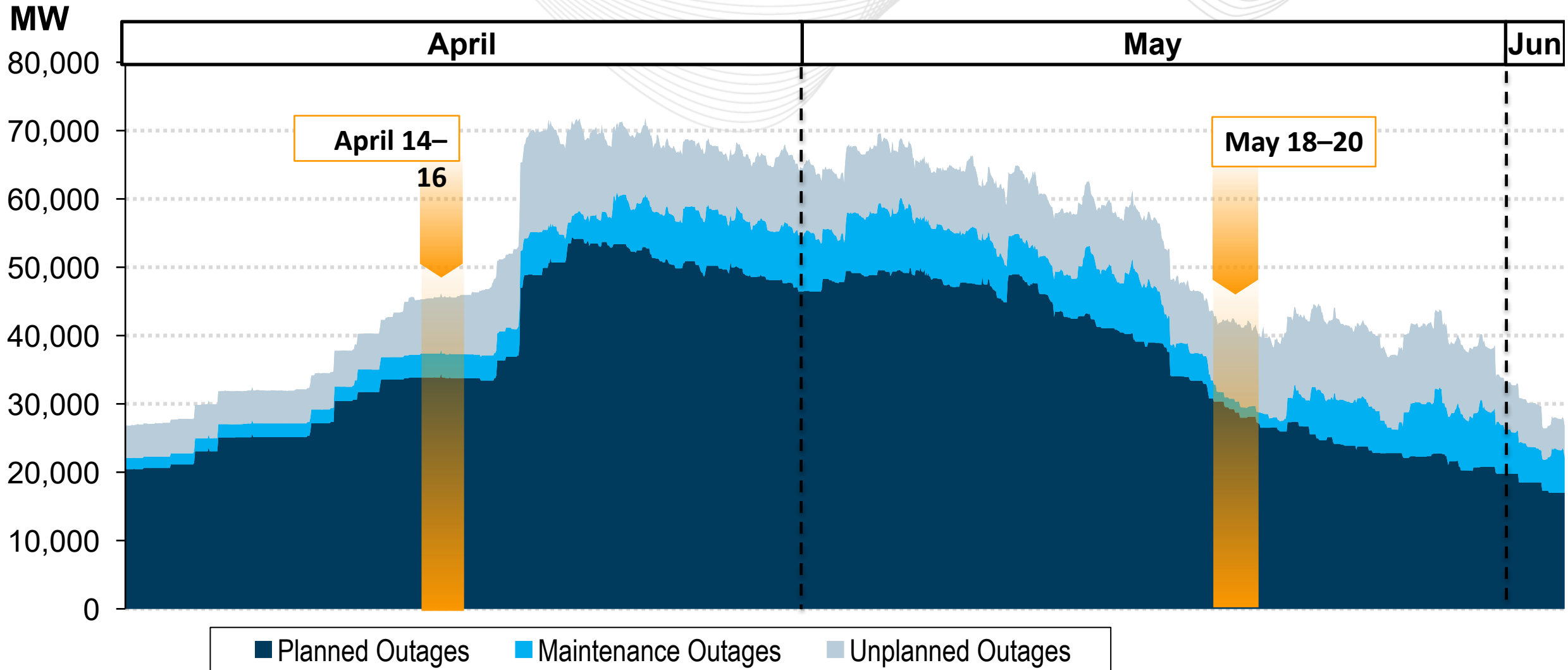
From May 18-19: Peak of heat in RTO, hottest in Mid-Atlantic & Dominion with highs into the mid to upper 90s; THI values in upper 70s-low 80s

May 20: Highs in East hit the low to mid 90s before late afternoon thunderstorms brought an end to heat



Load Forecast Performance During May Heat Wave





Transmission Outage Coordination

Transmission Performance

- PJM held an SOS-G/T calls to discuss projected conditions.
- PJM and Transmission Owners coordinated to reschedule or recall transmission outages to maximize generation deliverability.
- Transmission Owners proactively rescheduled outages of lesser impact to minimize risk.
- Generation deliverability concerns into the BC/PEPCO/DOM area prompted use of Pre-Emergency Demand Response in the applicable zones.
- Transmission outage driven congestion on 345kV system necessitated the use of Pre-Emergency DR in the Columbus area
- Issued 43 PCLLRWs
 - Thermal and voltage

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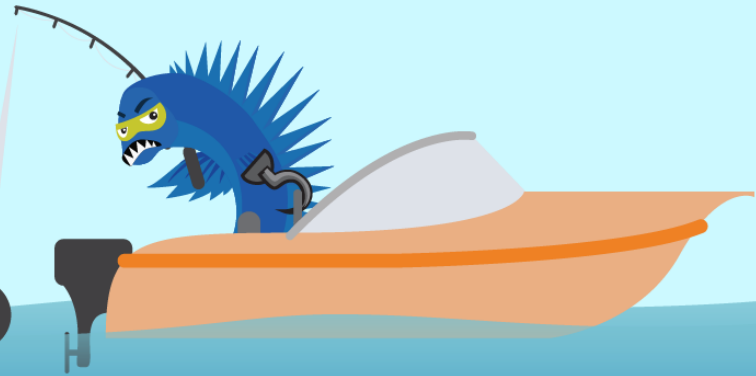
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