



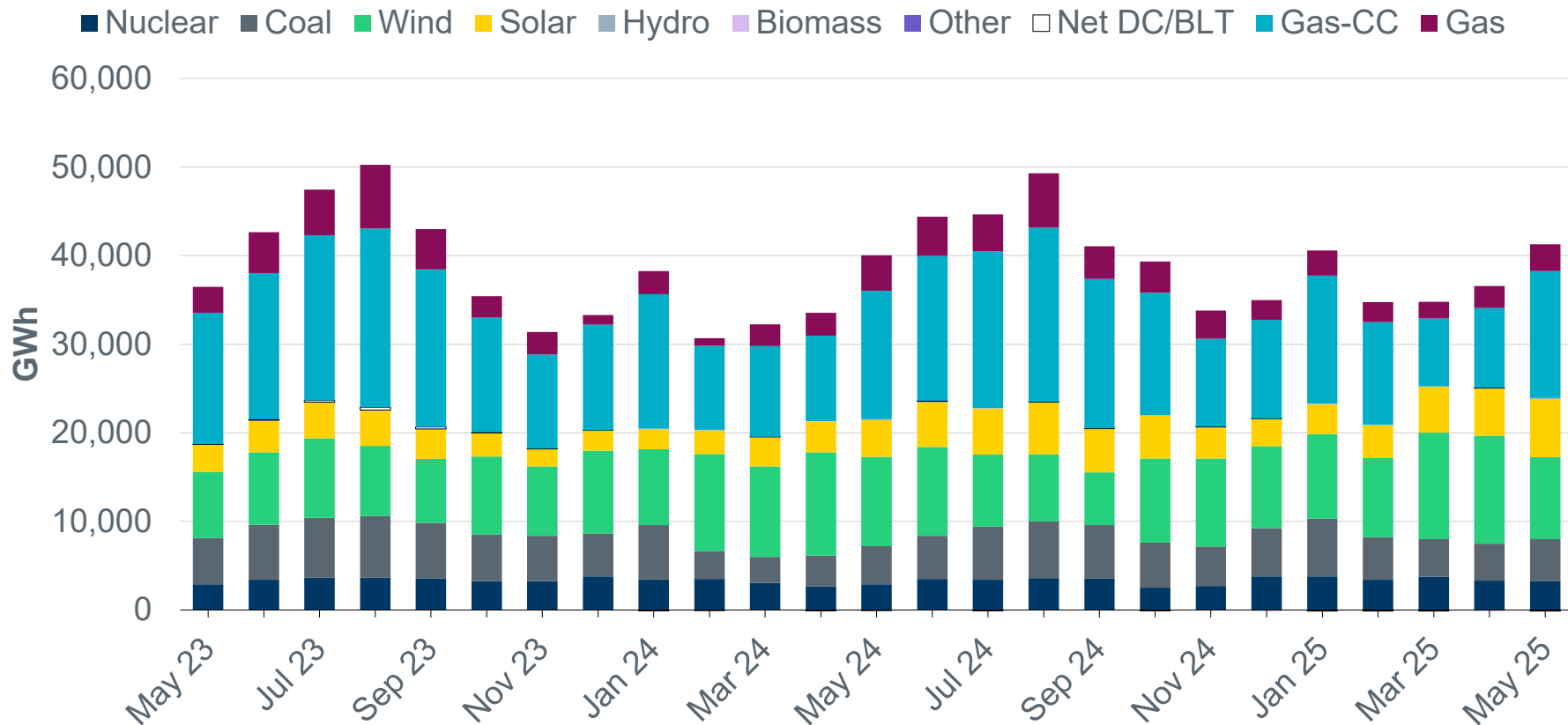
## ERCOT Monthly Operational Overview (May 2025)

ERCOT Public  
June 17, 2025

# Highlights, Records and Notifications

- ERCOT set a new record of 78,392 MW\* for the month of May on 5/23/2025; This is 1,253 MW more than the May 2024 demand of 77,139 MW on 5/27/2024.
- ERCOT issued 6 notifications:
  - 1 Advisory – Extreme hot weather forecasts in North Central and South-Central weather zones from May 13 to May 18.
  - 1 Advisory – Geomagnetic disturbance of k7 on May 28 to May 29.
  - 1 OCN – Due to manual action taken on the Panhandle IROL due to topology change.
  - 1 OCN – Extreme hot weather forecasts in North Central and South-Central weather zones from May 13 to May 16.
  - 1 OCN – Extreme hot weather forecasts in North Central and South-Central weather zones on May 24.
  - 1 OCN – Extreme hot weather forecasts in North Central and South-Central weather zones on May 25.

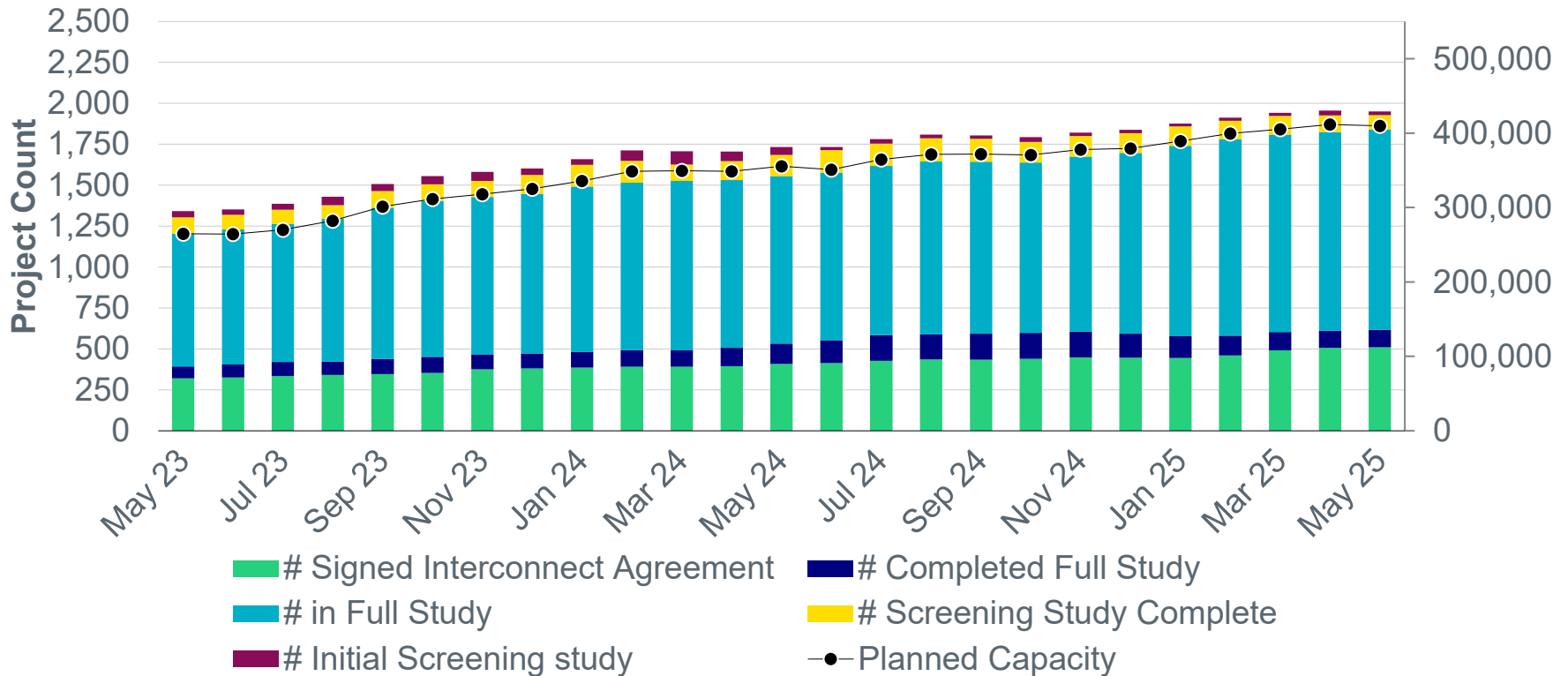
# Monthly energy generation increased by 3% year-over-year to 41,181 GWh in May 2025, compared to 39,974 GWh in May 2024



Data for latest two months are based on preliminary settlements.

# Generation Interconnection activity by project phase

(Excludes capacity associated with projects designated as Inactive per Planning Guide Section 5.2.5)

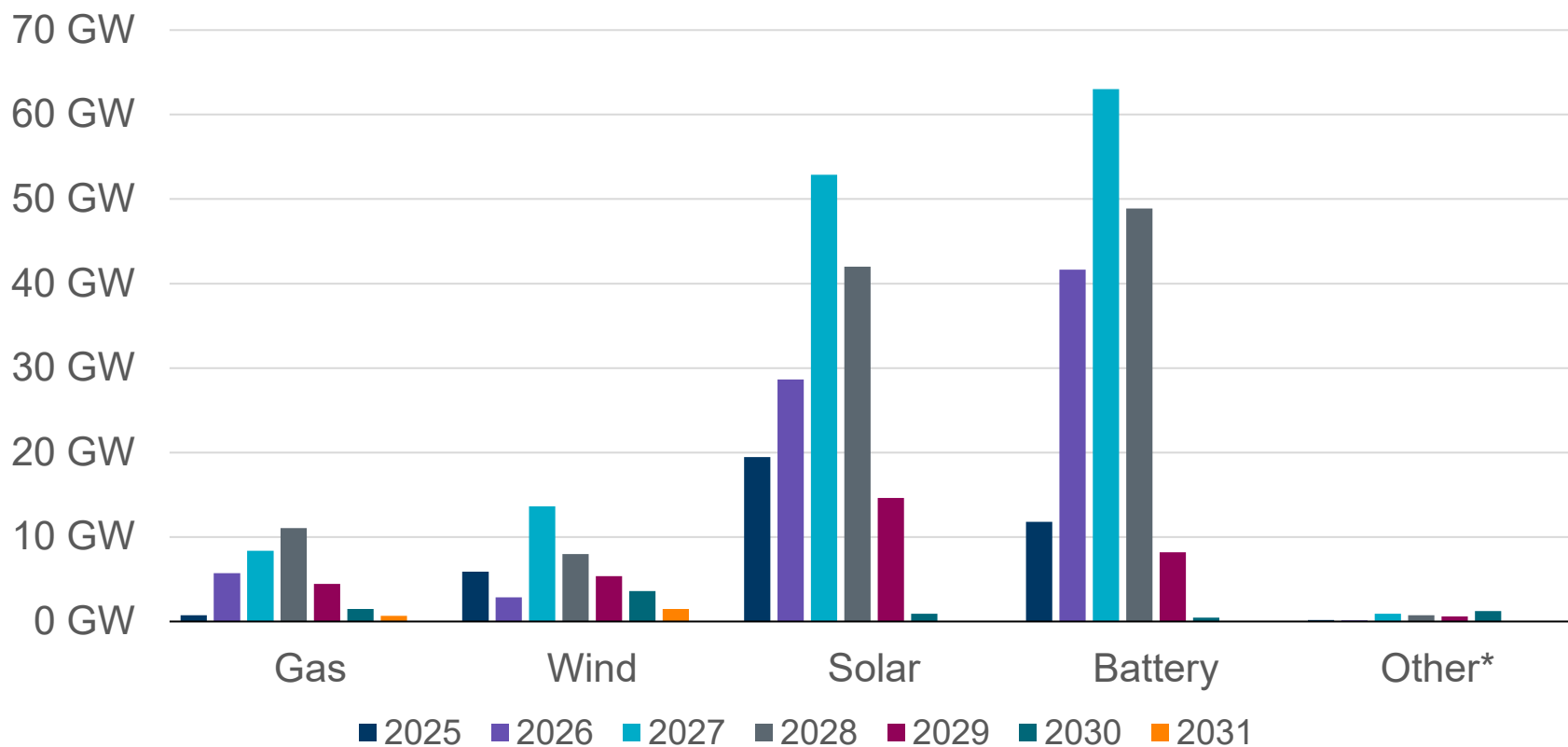


- There are an additional 50 “Small Generator” projects totaling 463 MW that are going through the simplified interconnection process.
- A break-out by fuel type can be found in the monthly Generator Interconnection Status (GIS) reports available on the ERCOT Resource Adequacy Page:

<http://www.ercot.com/gridinfo/resource>

# Interconnection Queue Capacity by Fuel Type

Queue totals: Solar 158 GW (38.7%), Wind 41 GW (10%), Gas 32 GW (7.9%), Battery 174 GW (42.5%), Other 4 GW (.9%)  
(Excludes capacity associated with projects designated as Inactive per Planning Guide Section 5.2.5)



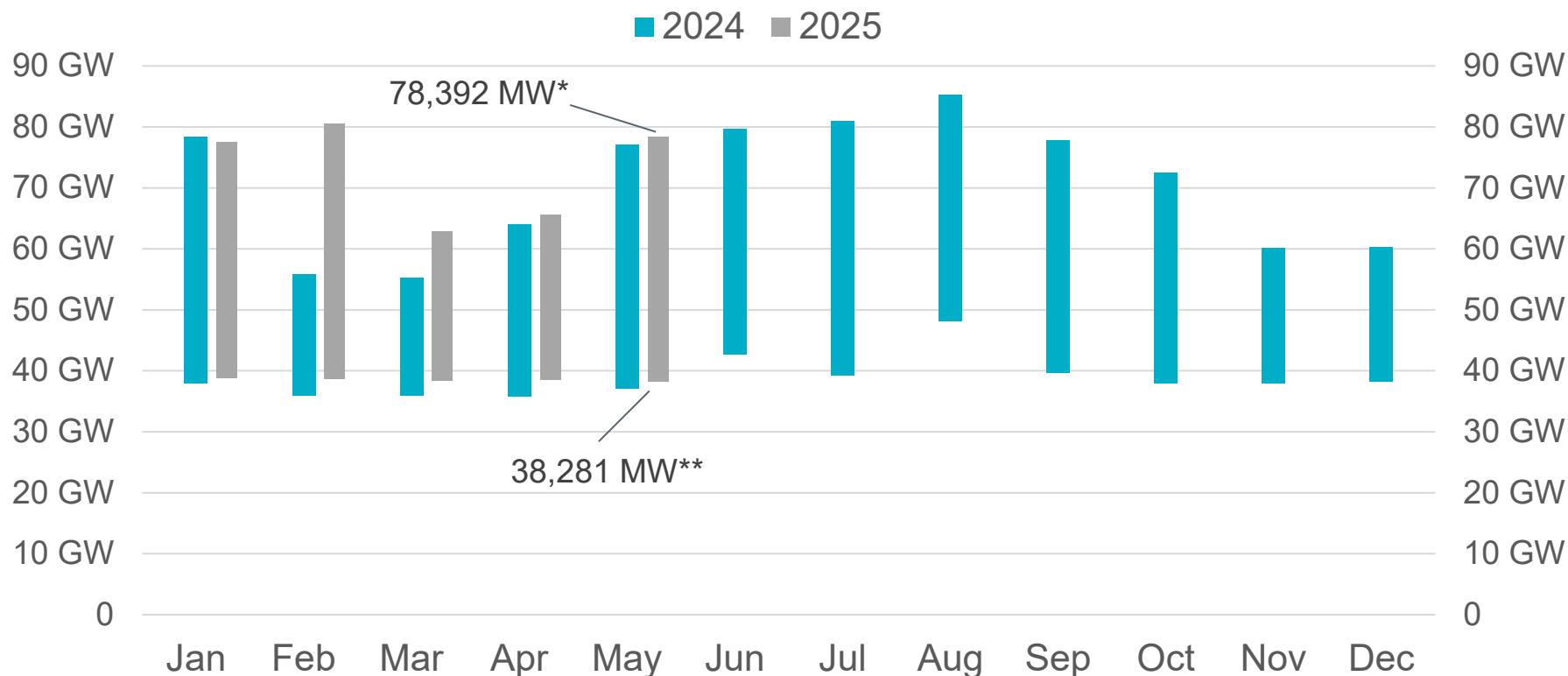
A break-out by zone can be found in the monthly Generator Interconnection Status (GIS) reports available on the ERCOT Resource Adequacy Page: <http://www.ercot.com/gridinfo/resource>

\* Other includes petroleum coke (pet coke), hydroelectric, fuel oil, Nuclear, geothermal energy, other miscellaneous fuels reported by developers, and fuel cells that use fuels other than natural gas.

## Planning Summary

- ERCOT is tracking 2,031 active generation interconnection requests totaling 409,671 MW as of May 31. This includes 158,490 MW of solar, 40,885 MW of wind, 173,997 MW of battery, and 32,490 MW of gas projects; 124 projects were categorized as inactive, up from 122 inactive projects in April 2025.
- ERCOT is currently reviewing proposed transmission improvements with a total estimated cost of \$3.726 billion as of May 31, 2025.
- Transmission Projects endorsed in 2025 total \$1.243 billion as of May 31, 2025.
- All projects (in engineering, routing, licensing and construction) total approximately \$16.866 billion as of February 1, 2025.
- Transmission Projects energized in 2025 total approximately \$386.78 million as of February 1, 2025.

**ERCOT set a new record of 78,392 MW\* for the month of May on 5/23/2025; This is 1,253 MW more than the May 2024 demand of 77,139 MW on 5/27/2024.**



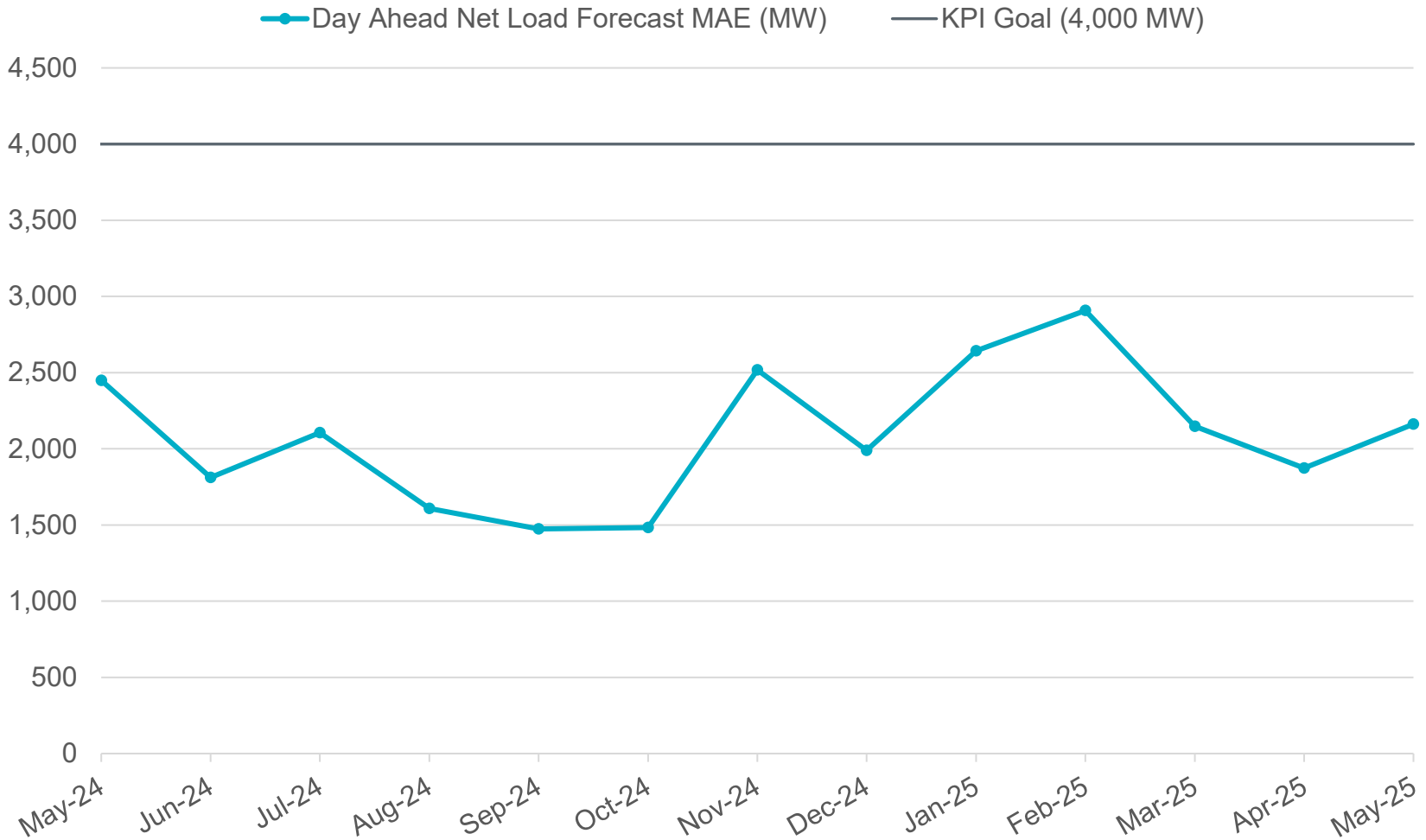
\*Based on the maximum net system hourly value from the May 2025 Demand and Energy report.

\*\*Based on the minimum net system 15-minute interval value from the May 2025 Demand and Energy report.

Data for latest two months are based on preliminary settlements.

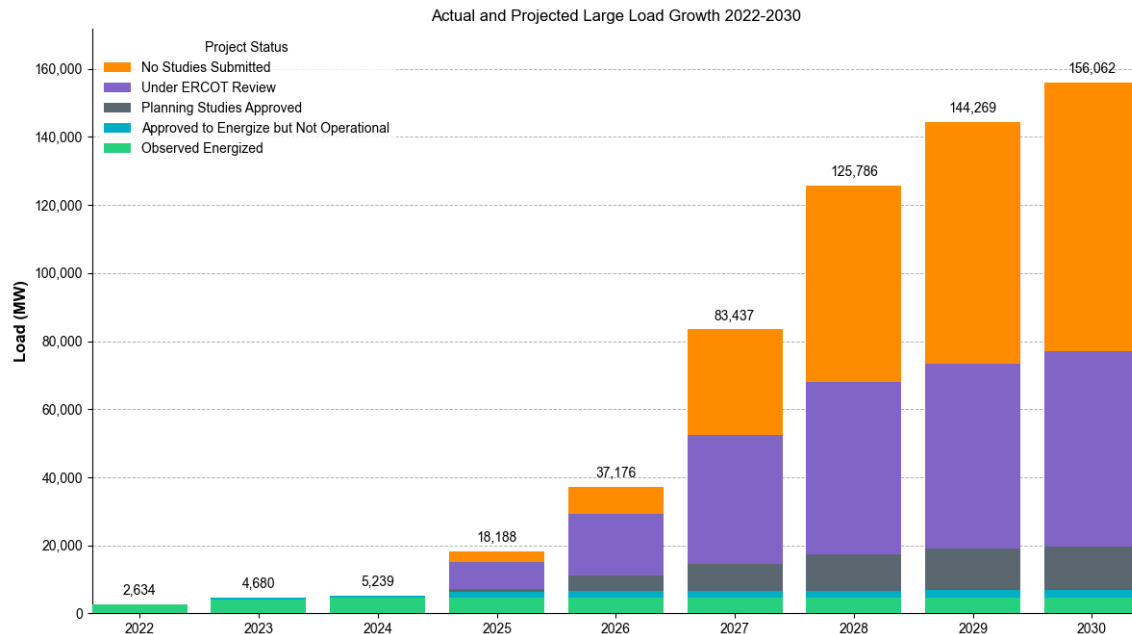
# Net Load Forecast Performance

Day Ahead Net Load Forecast - Mean Absolute Forecast Error





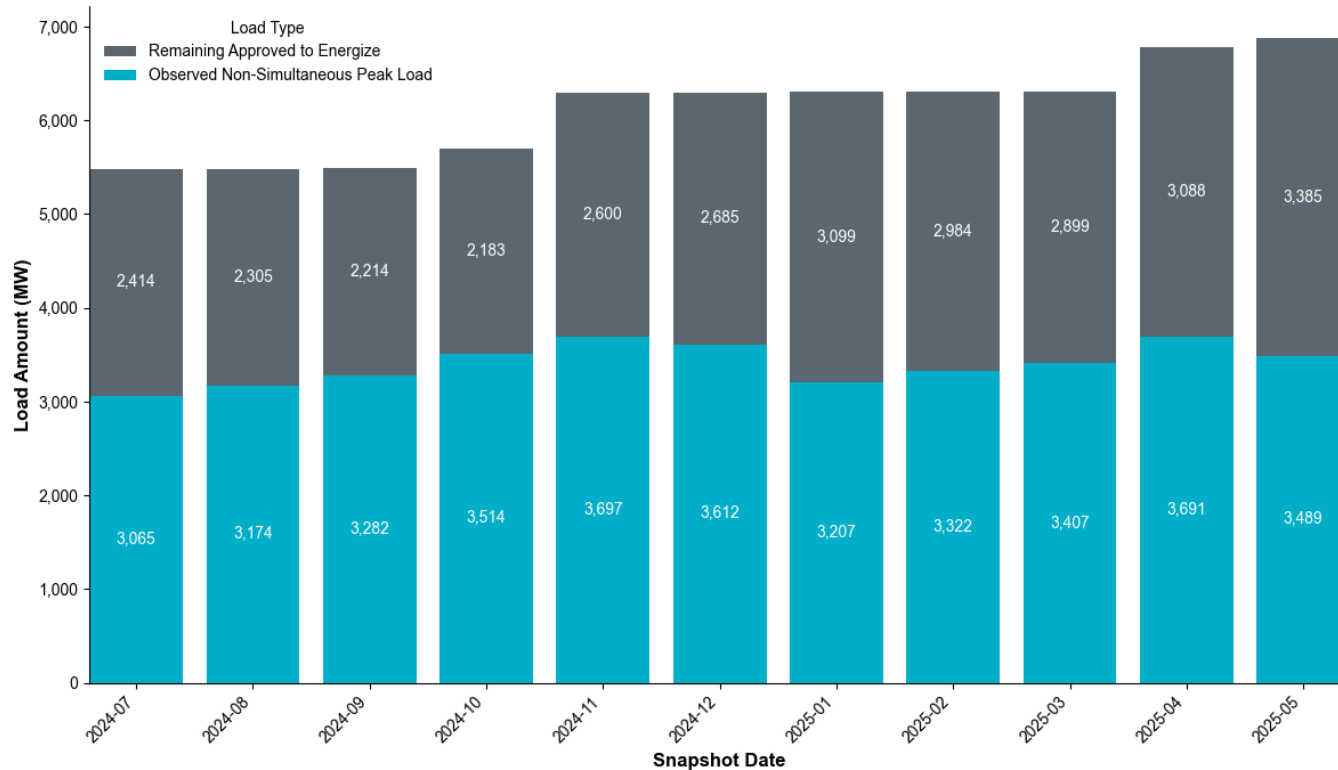
# Current Large Load Interconnection Queue (as of June 2, 2025)



ERCOT is tracking approximately 156k MW of Large Loads seeking interconnection compared to 63k MW in December.

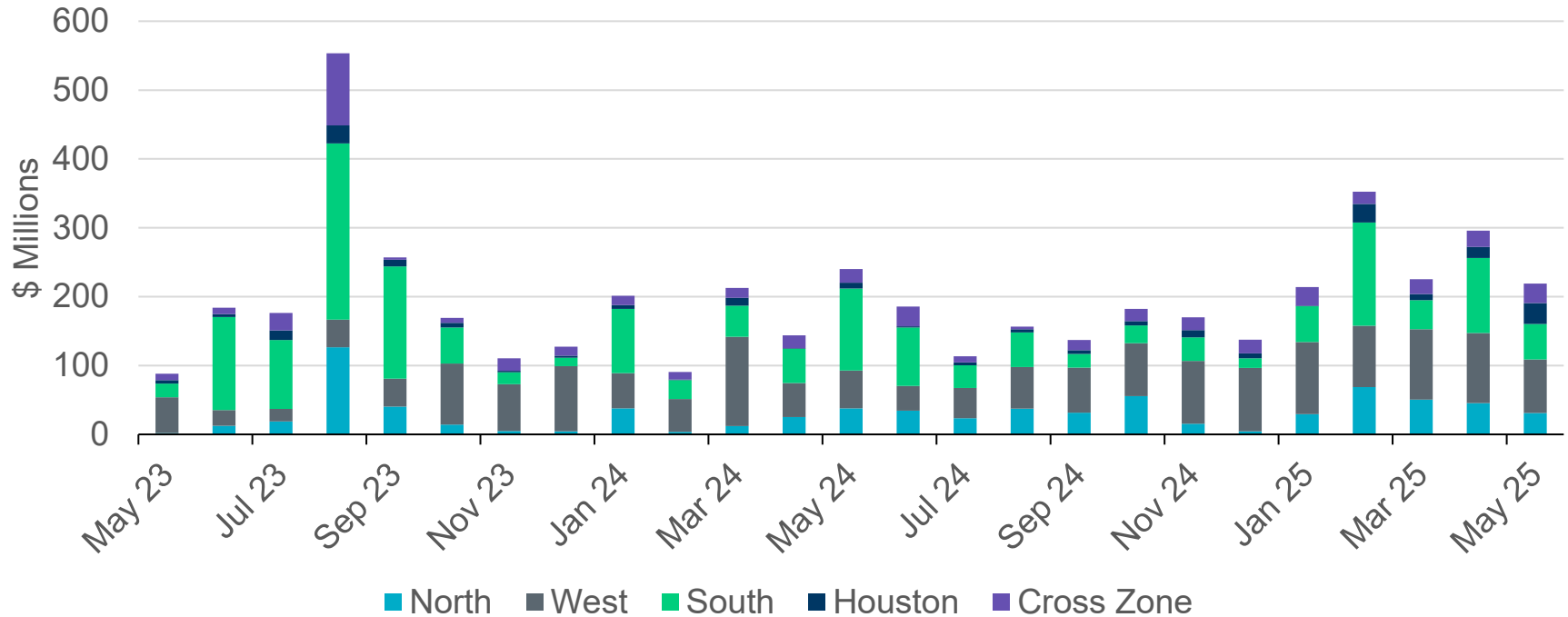
# Loads Approved to Energize – Observations

- Of the 6,874 MW that have received Approval to Energize, ERCOT has observed a **non-simultaneous** monthly peak consumption of 3,489 MW in May 2025.
  - This is calculated as the sum of the maximum value for each individual load per month.
  - This value represents how much approved load ERCOT believes is now operational.



ERCOT has reviewed and approved studies for the interconnection of over 18,000 MW of Large Loads in the past two years of which approximately 1/3 have received Approval to Energize.

# Real-Time Congestion Rent by Zone



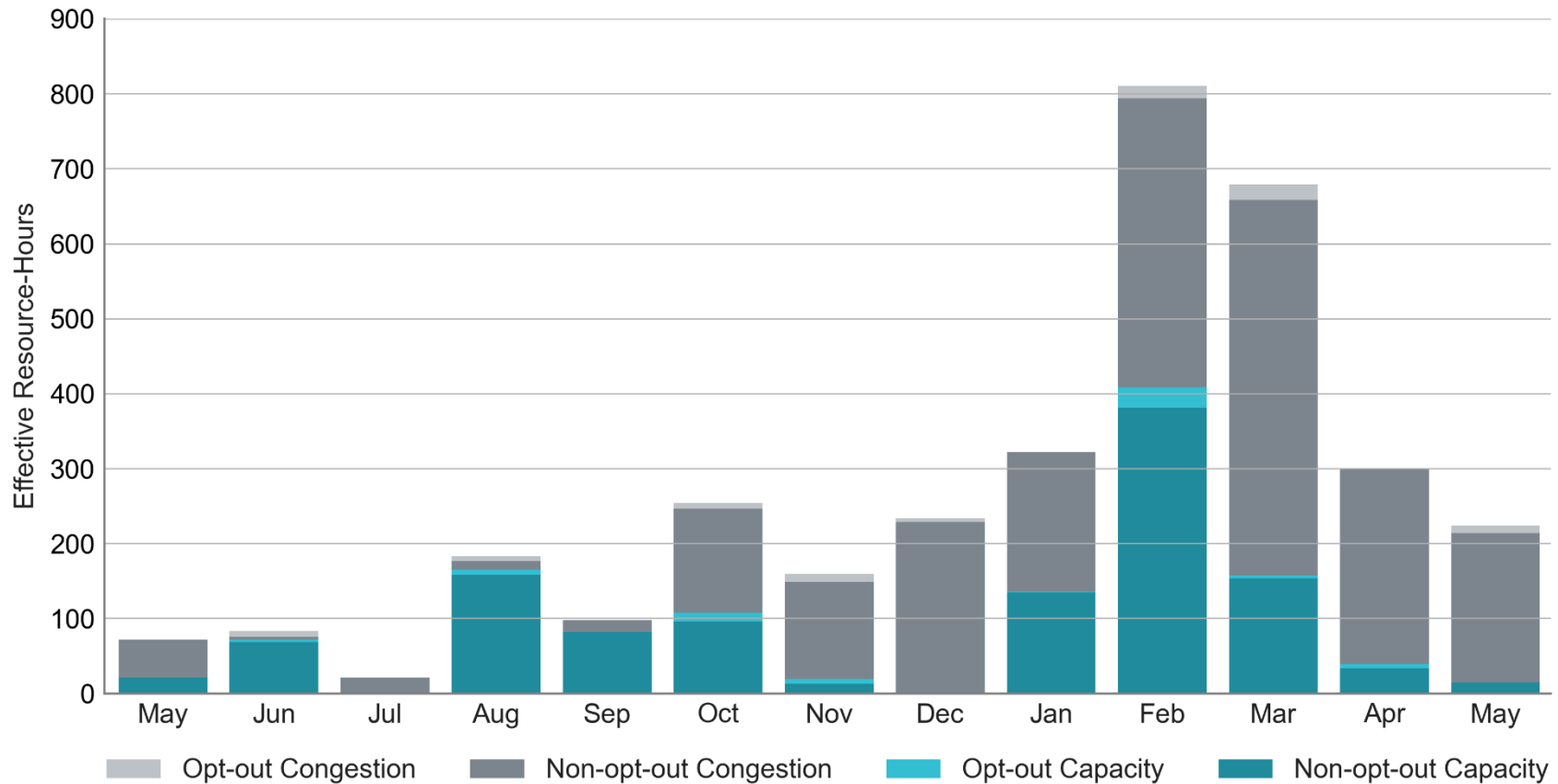
- Total Real-Time congestion rent decreased in May compared to April, with the highest congestion rent in the West and South Zones.
  - Congestion rent in the West Zone was primarily driven by a constraint representing the loss of the 345 kV line from Wett Long Draw to Volta which would overload the 138 kV line from Vealmoor to Koch Tap.
  - Congestion rent in the South Zone was primarily driven by South Texas Export Interface Base Case power flow violation of the Pawnee to Spruce 345kV line.

## Notes:

1) Congestion rent is determined using the shadow prices and MW flows for individual constraints in SCED as well as the duration of SCED intervals.

2) The "Cross Zone" category consists of cases in which the substations on either end of the constraint are in different zones.

# RUC Activity Decreased in May Compared to April, Primarily to Manage Congestion

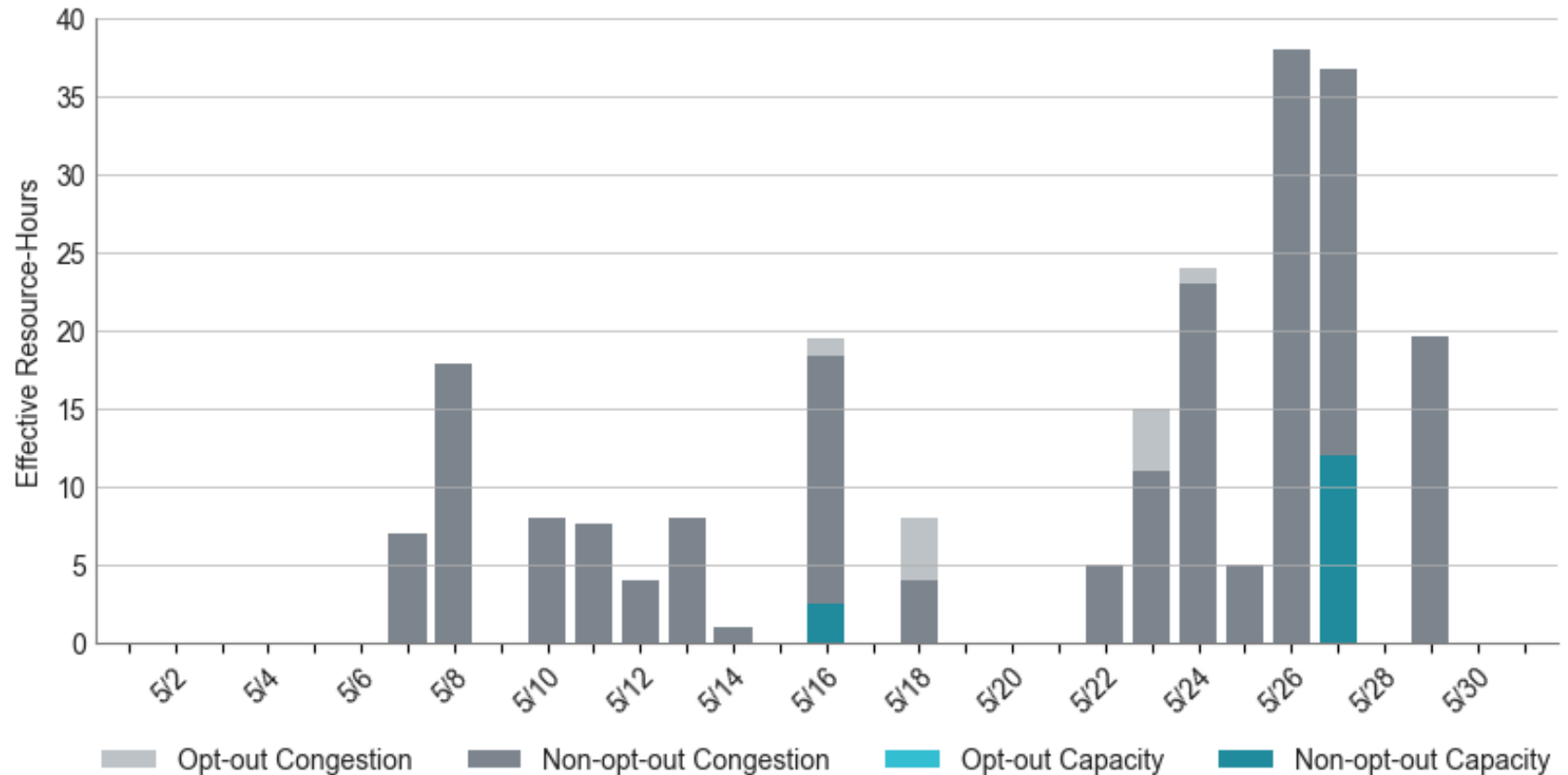


Notes:

1) "Effective Resource-Hours" excludes any period during a Reliability Unit Commitment hour when the RUC-committed Resource was starting up, shutting down, off-line, or otherwise not available for dispatch by SCED.

# RUC Instruction Reasons in May 2025

- ~87% of RUC Effective Resource-hours were committed to manage transmission constraints in South Texas



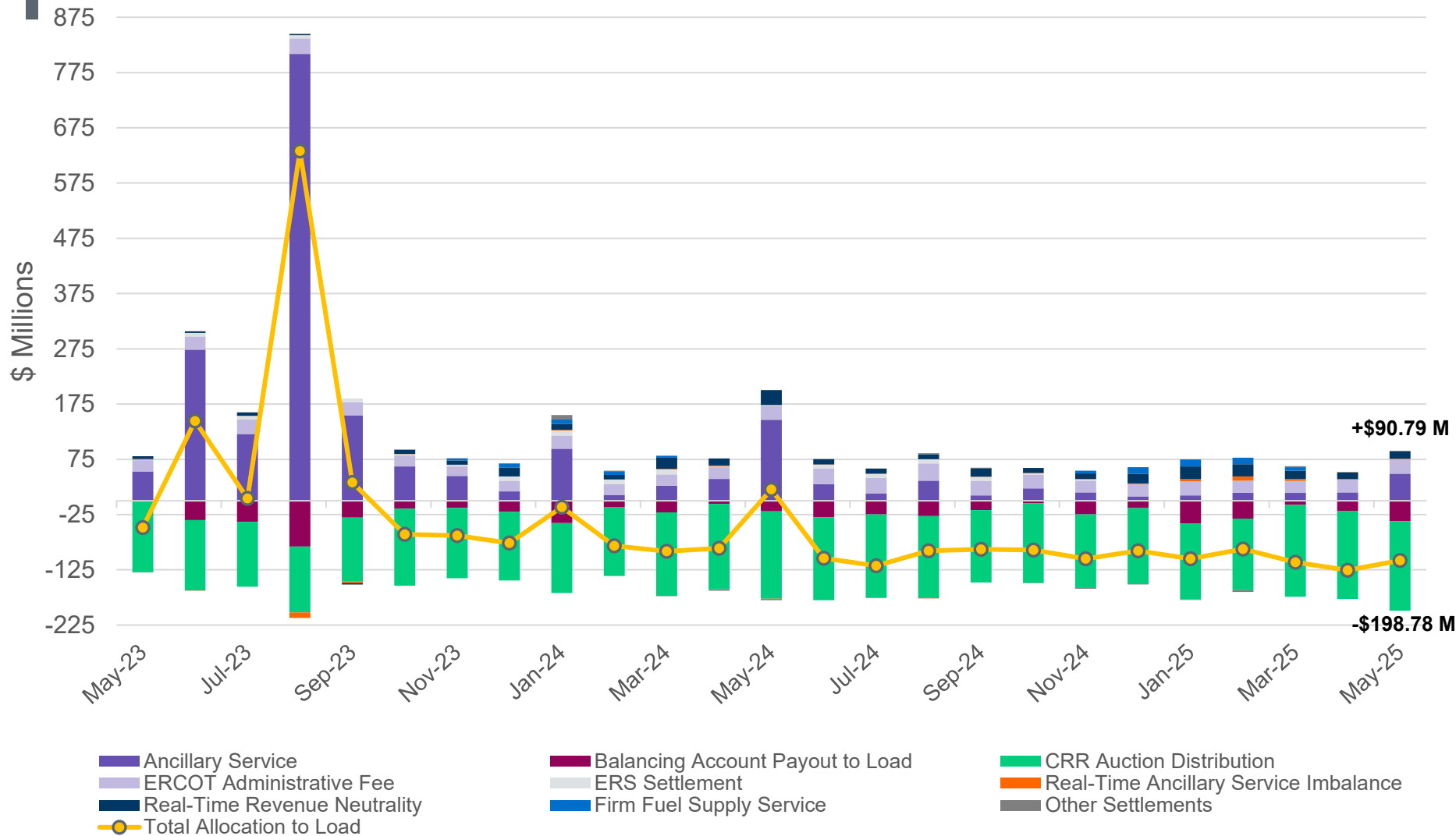
## Twenty-Seven Resources were Committed in May, Primarily to Manage Congestion

Resource #	Effective Resource-hours	For Congestion		For Capacity	
		Opt-Out	Non-Opt-Out	Opt-Out	Non-Opt-Out
1	1.0	1.0	0.0	0.0	0.0
2	1.0	0.0	1.0	0.0	0.0
3	8.0	0.0	8.0	0.0	0.0
4	19.0	0.0	13.0	0.0	6.0
5	27.0	0.0	21.0	0.0	6.0
6	6.0	4.0	2.0	0.0	0.0
7	7.0	0.0	7.0	0.0	0.0
8	2.0	0.0	2.0	0.0	0.0
9	7.9	0.0	7.9	0.0	0.0
10	13.0	0.0	13.0	0.0	0.0
11	1.0	0.0	1.0	0.0	0.0
12	0.8	0.0	0.0	0.0	0.8
13	0.8	0.0	0.0	0.0	0.8
14	0.8	0.0	0.0	0.0	0.8
15	4.0	4.0	0.0	0.0	0.0

## Twenty-Seven Resources were Committed in May, Primarily to Manage Congestion

Resource #	Effective Resource-hours	For Congestion		For Capacity	
		Opt-Out	Non-Opt-Out	Opt-Out	Non-Opt-Out
16	7.9	0.0	7.9	0.0	0.0
17	15.8	0.0	15.8	0.0	0.0
18	12.6	0.0	12.6	0.0	0.0
19	3.9	0.0	3.9	0.0	0.0
20	23.9	0.0	23.9	0.0	0.0
21	15.8	0.0	15.8	0.0	0.0
22	3.9	0.0	3.9	0.0	0.0
23	13.8	1.2	12.7	0.0	0.0
24	2.9	0.0	2.9	0.0	0.0
25	5.0	0.0	5.0	0.0	0.0
26	13.0	0.0	13.0	0.0	0.0
27	5.9	0.0	5.9	0.0	0.0
Total	223.7	10.2	199.2	0.0	14.4

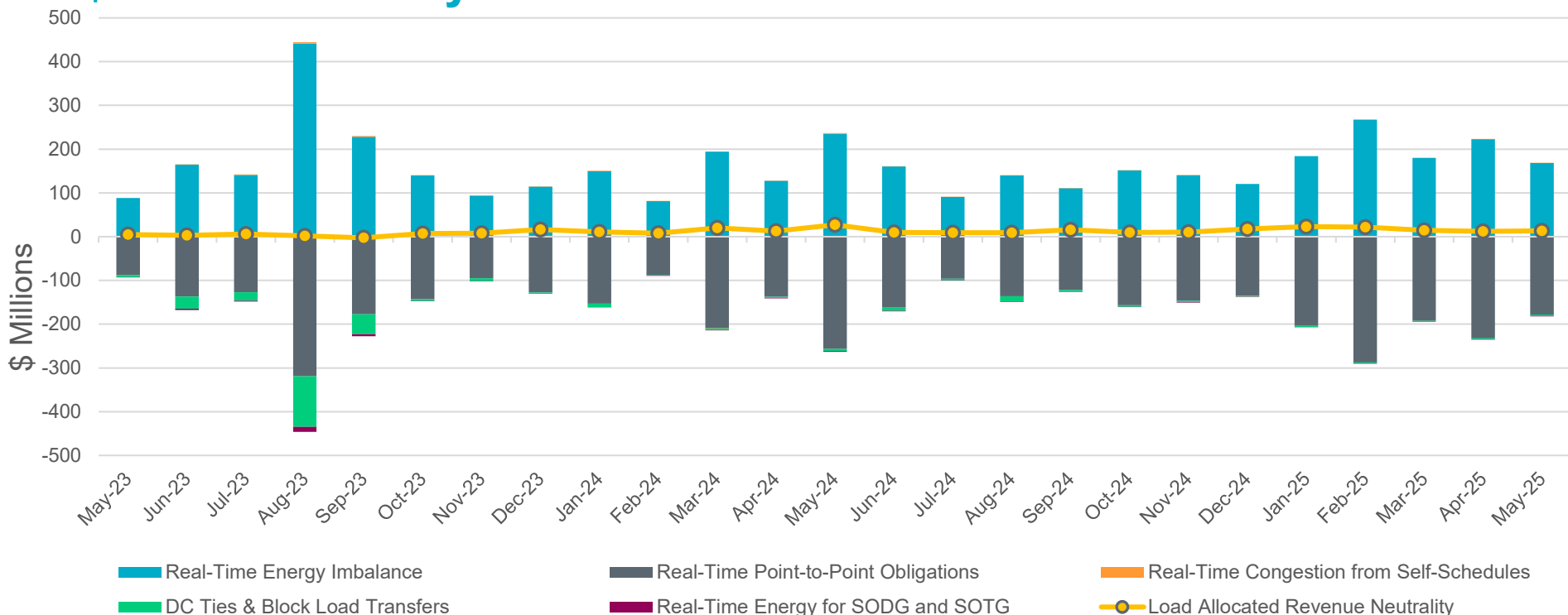
# Net Allocation to Load in May 2025 was (\$107.99) Million



This information is available in tabular form in the Settlement Stability Report presented quarterly to the [Wholesale Market Subcommittee](#)

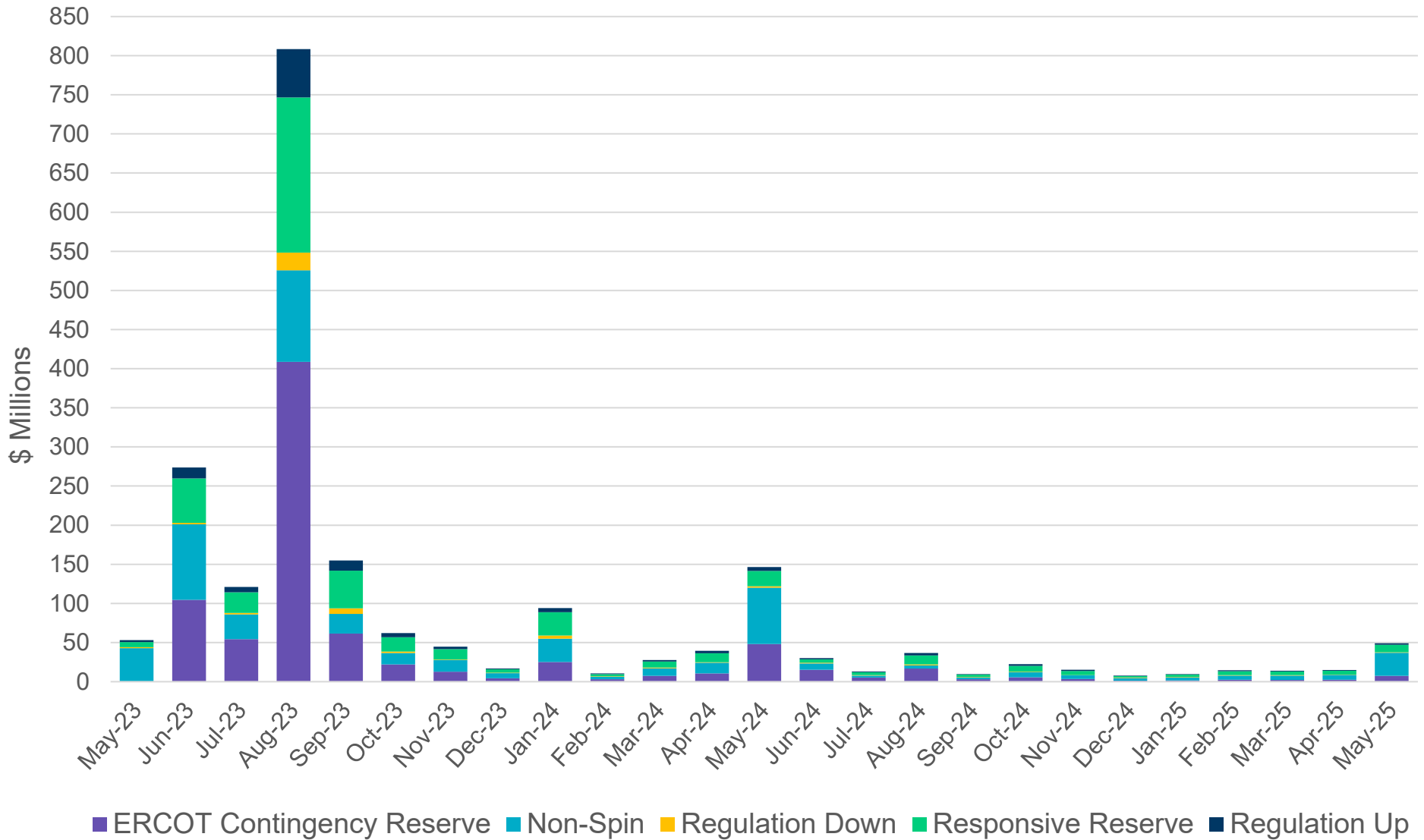


# Real-Time Revenue Neutrality Allocated to Load was \$13.31 M for May 2025

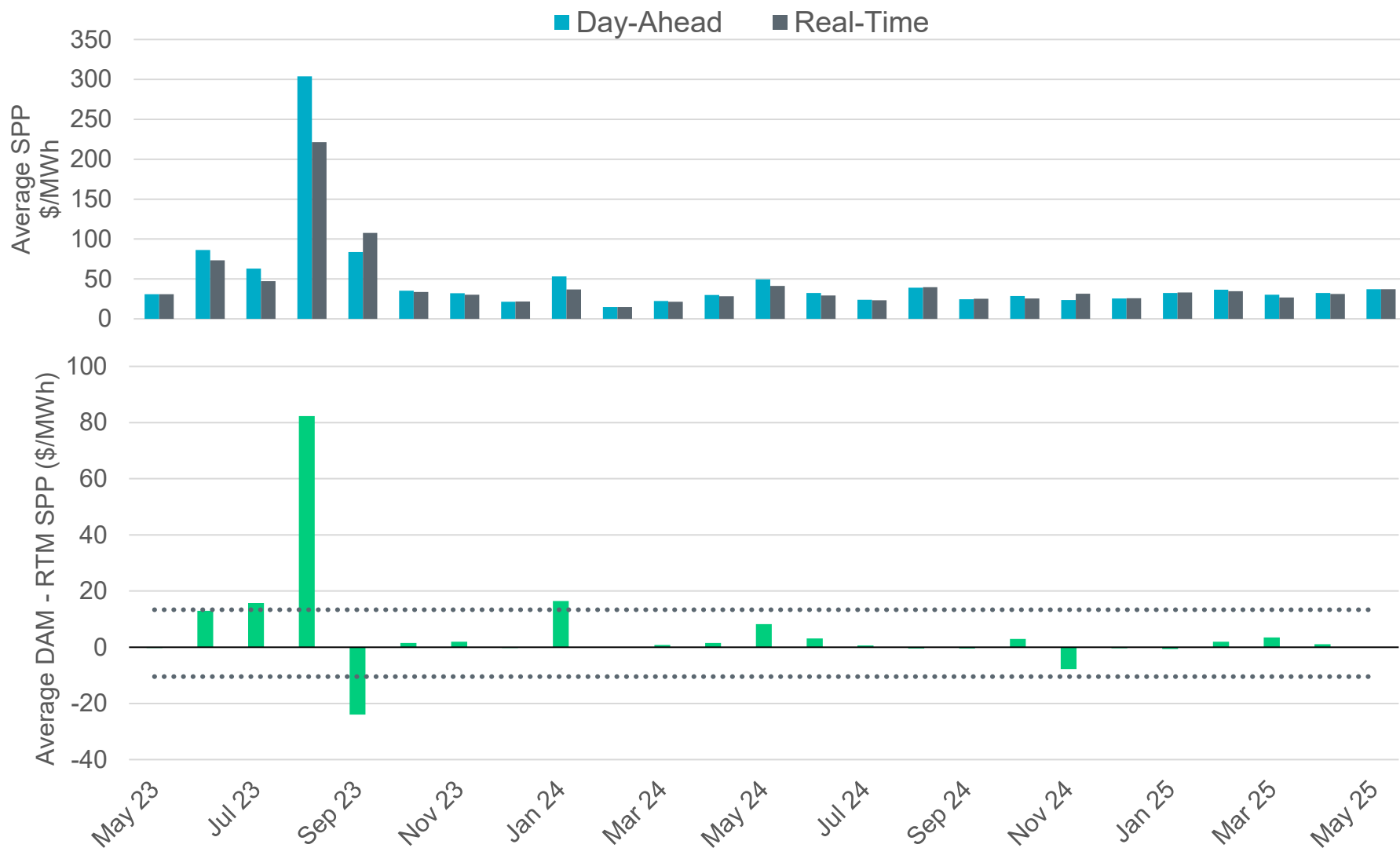


May 2025 (\$M)	
Real-Time Energy Imbalance	\$168.20
Real-Time Point-to-Point Obligation	(\$177.88)
Real-Time Congestion from Self-Schedules	\$0.44
DC Tie & Block Load Transfer	(\$3.1)
Real-Time Energy for SODG and SOTG	(\$0.97)
<b>Load Allocated Revenue Neutrality</b>	<b>\$13.31</b>

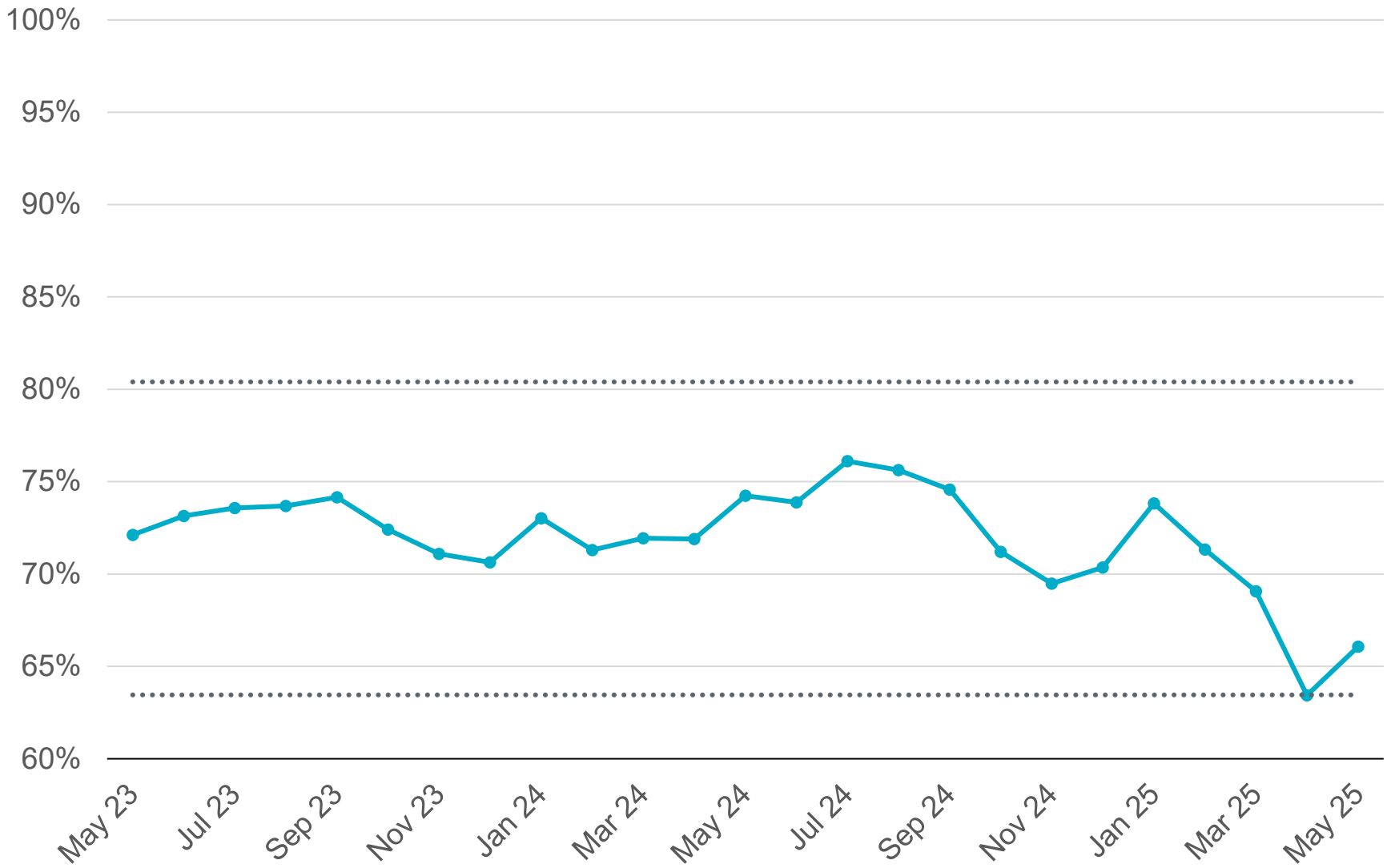
# Ancillary Services for May 2025 totaled \$49.02M



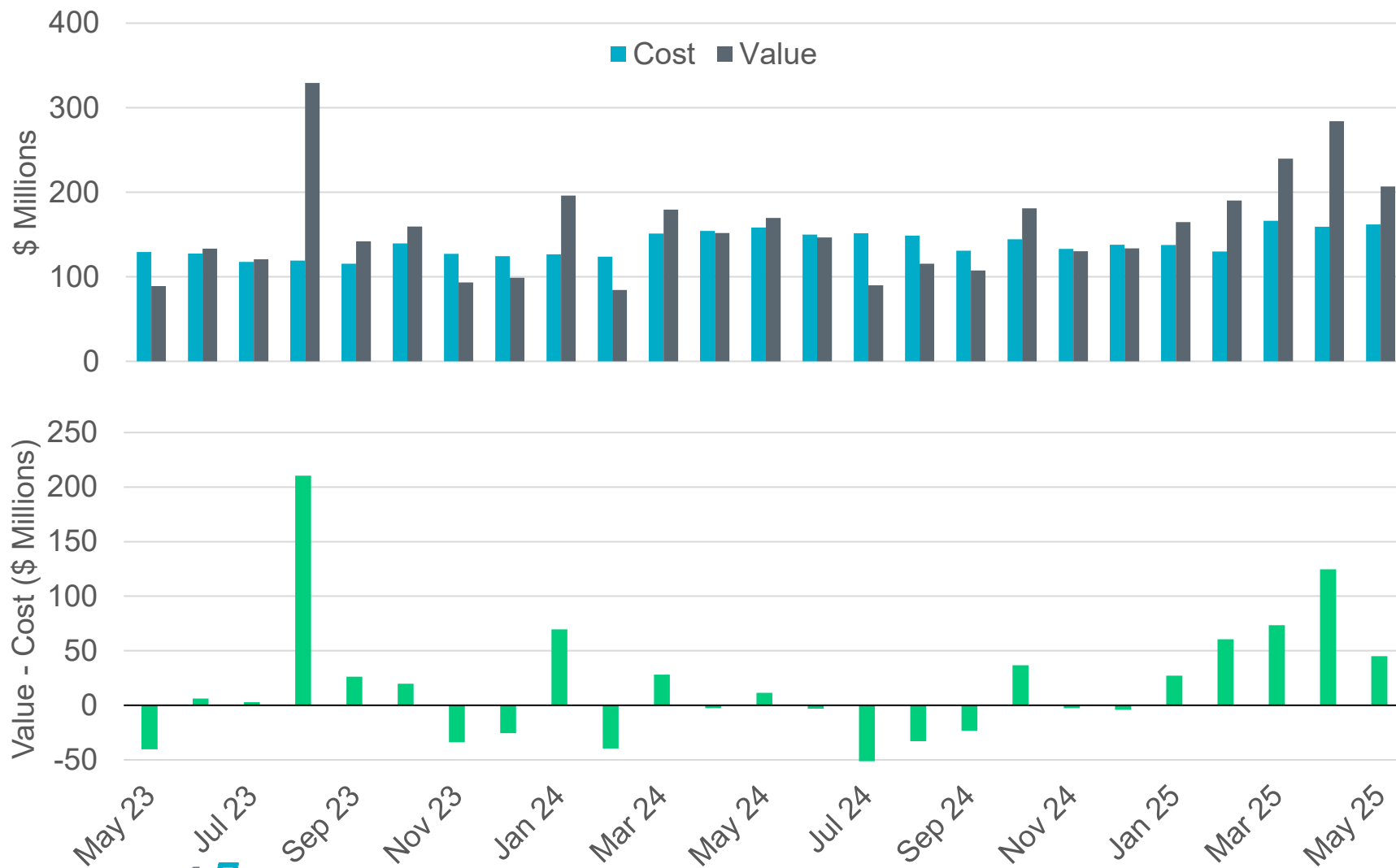
# Real-Time prices were aligned with Day-Ahead prices, on average, in May



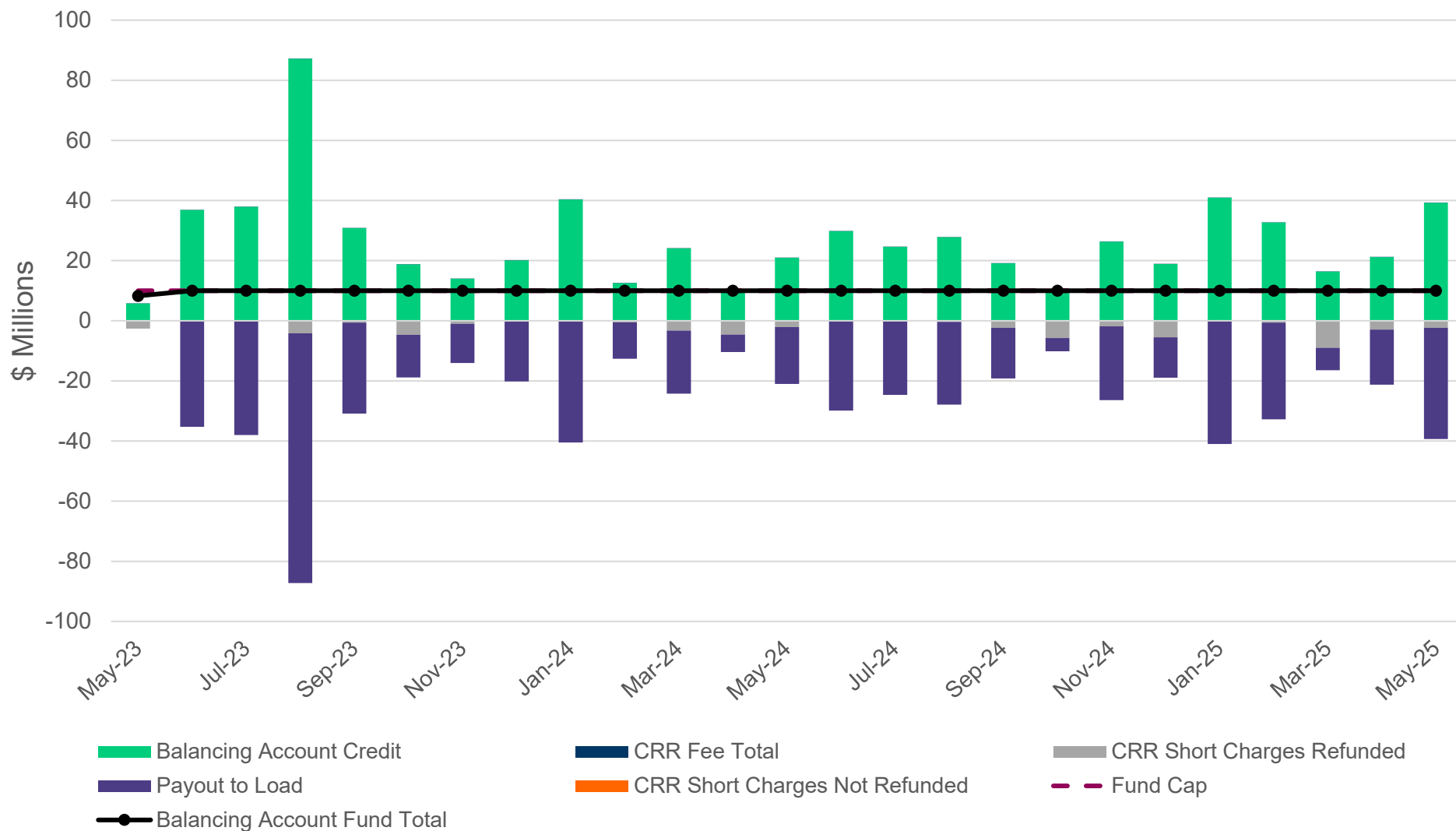
# The Recent Downward Trend of Percentage of Real-Time Load Transacted in the Day-Ahead Market Reversed in May



# Total Congestion Revenue Right (CRR) value exceeded cost for the month but decreased between May and April due to decreased congestion rent in the Day-Ahead Market



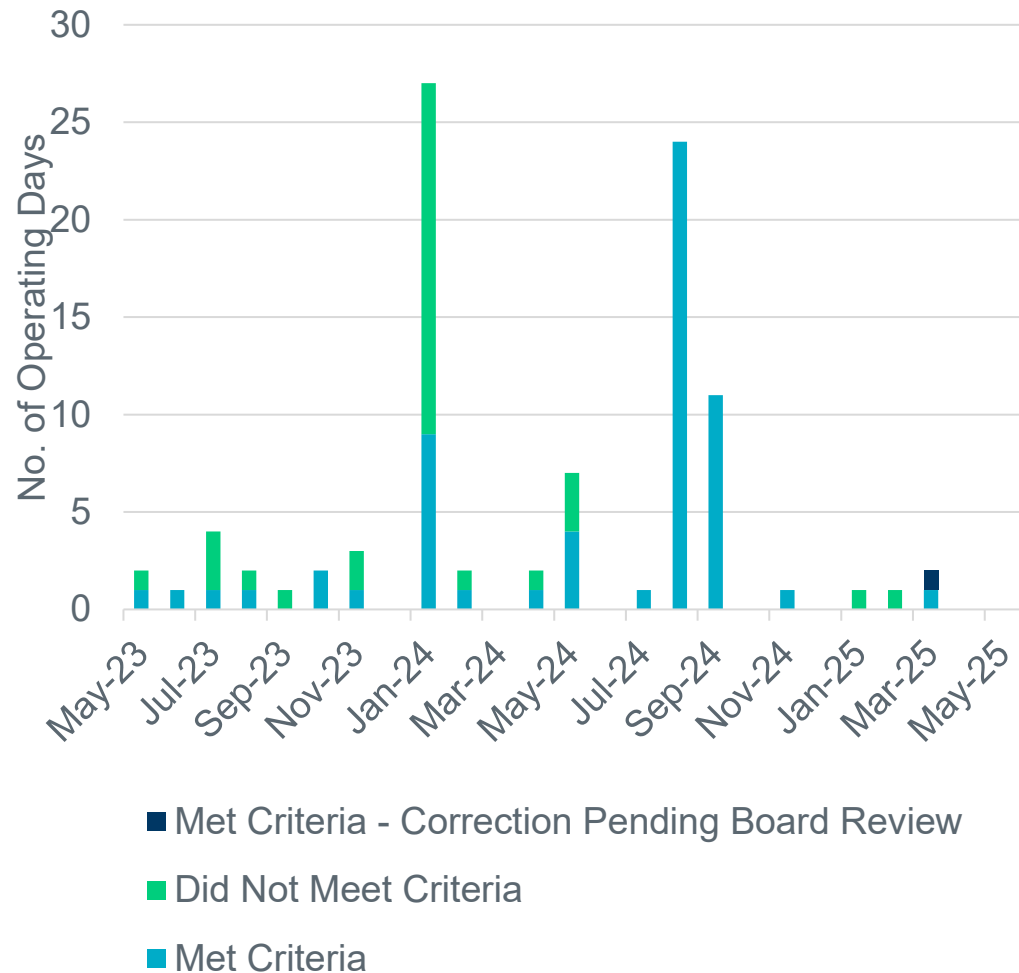
# The CRR Balancing Account was fully-funded and excess amounts were allocated to Load



# Price Issues and the Impact of Nodal Protocol Revision Request (NPRR) 1024 on Price Corrections

This graph looks at the recent history of price issues in the RTM or DAM and breaks the impacted Operating Days into three categories:

- Days that met the criteria for “significance” under NPRR1024 and were corrected;
- Days that were not corrected because they did not meet the criteria for “significance” under NPRR1024; and
- Days that are currently undergoing analysis to determine if criteria for “significance” under NPRR1024 is met.

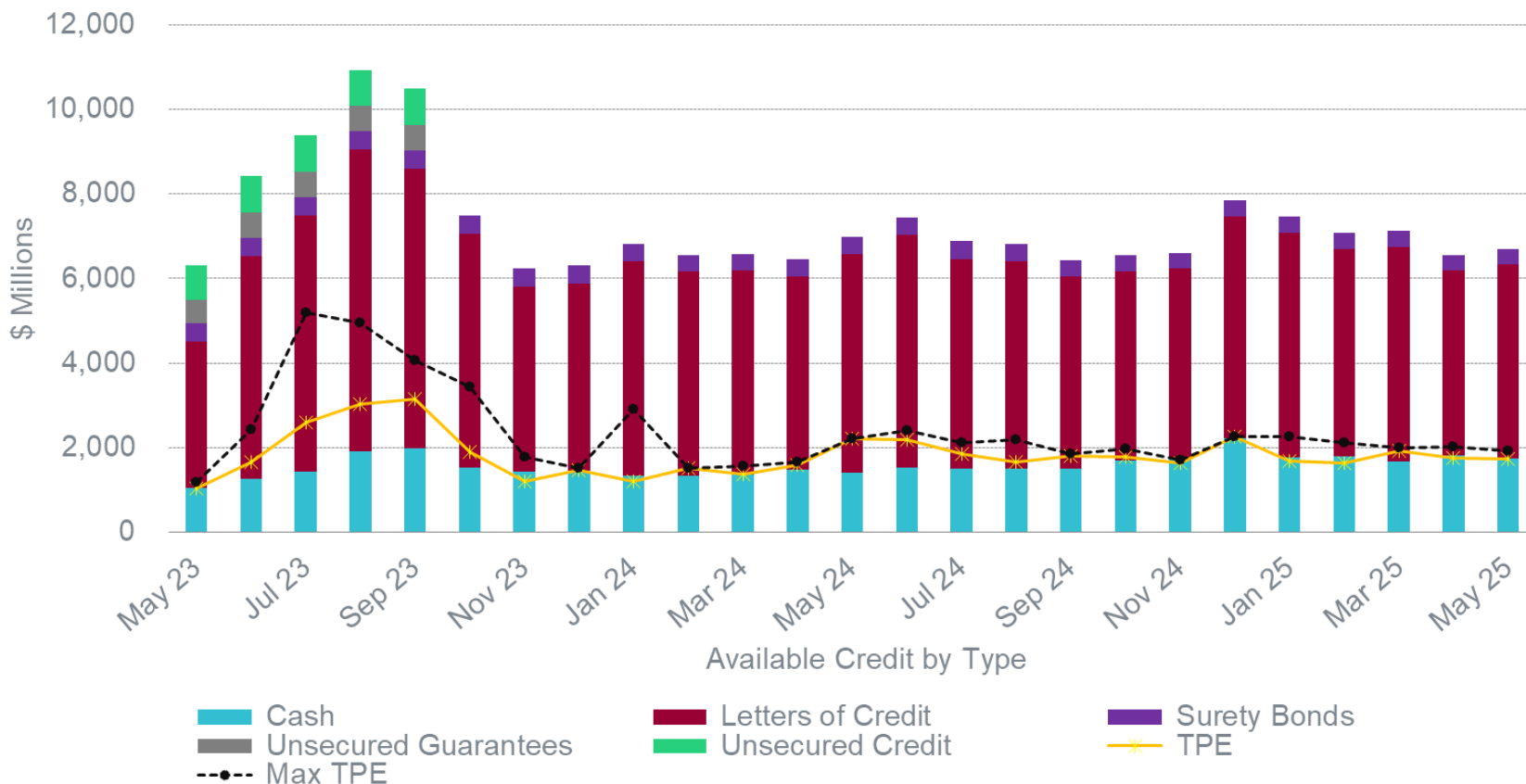


## Details for Price Corrections Review

There were no price impact events during the month of May 2025.



# Available Credit by Type Compared to Total Potential Exposure (TPE)



\*Numbers are as of month end except for Max TPE

# Retail Transaction Volumes – Summary – May 2025

	Year-To-Date		Transactions Received	
Transaction Type	May 2025	May 2024	May 2025	May 2024
Switches	605,919	541,175	110,689	89,974
Acquisitions	0	0	0	0
Move - Ins	1,186,016	1,353,175	250,670	253,661
Move - Outs	582,921	579,254	126,177	125,701
Continuous Service Agreements (CSA)	220,296	161,605	70,297	40,232
Mass Transitions	0	0	0	0
Total	2,595,152	2,635,209	557,833	509,568