



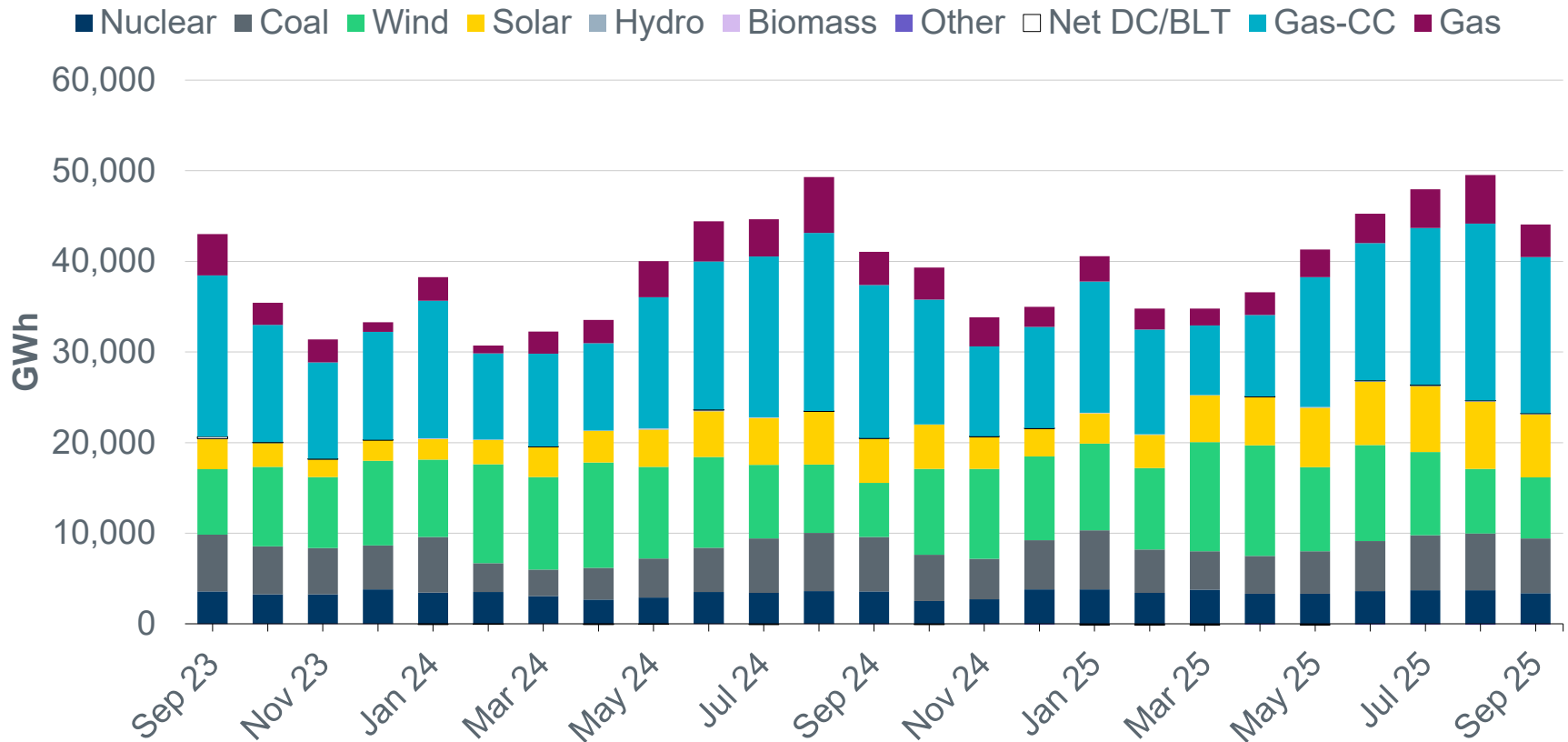
ERCOT Monthly Operational Overview (September 2025)

ERCOT Public
October 17, 2025

Highlights, Records and Notifications

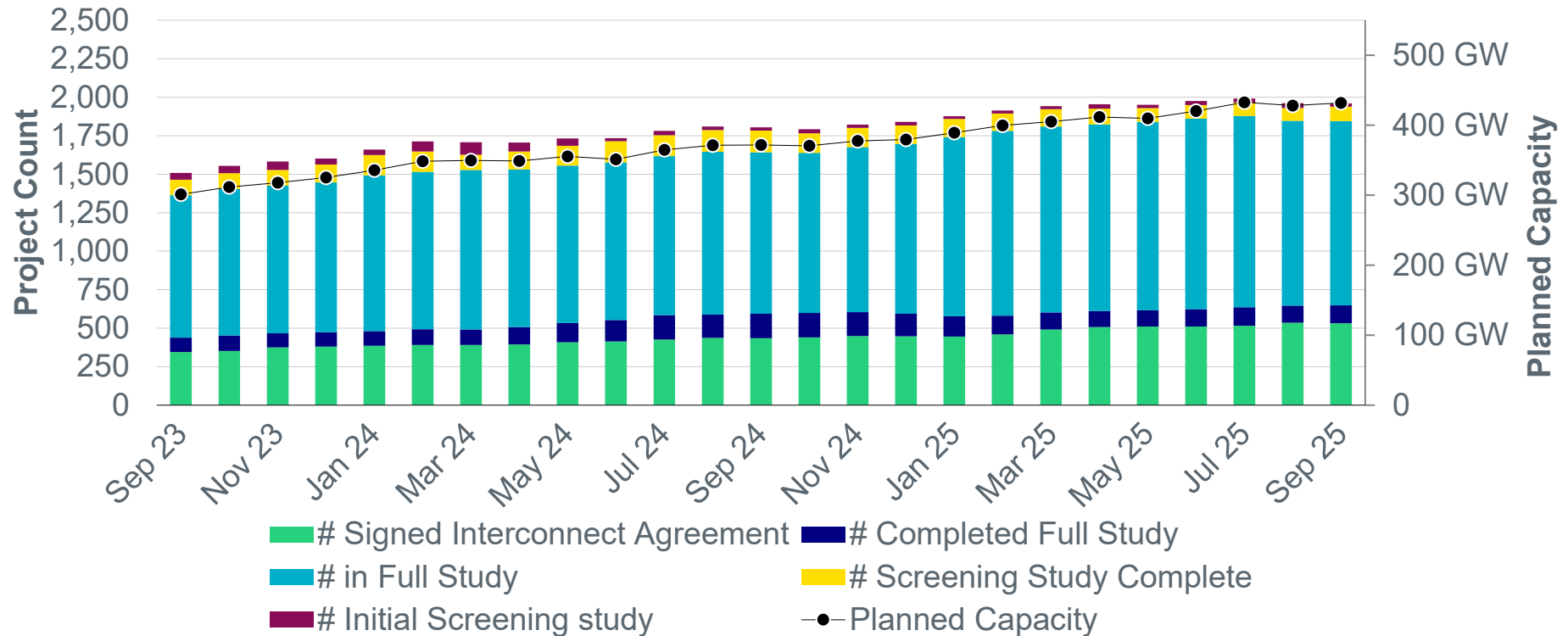
- ERCOT's maximum peak demand for the month of September was 79,918 MW* on 9/4/25; this is 2,105 MW more than the September 2024 peak demand of 77,813 MW on 9/19/24.
- ERCOT issued 1 notification:
 - 1 Advisory – Due to a GMD Alert on 9/30/2025 at 00:25.

Monthly energy generation increased by 7.3% year-over-year to 49,979 GWh in September 2025, compared to 41,003 GWh in September 2024



Generation Interconnection activity by project phase

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

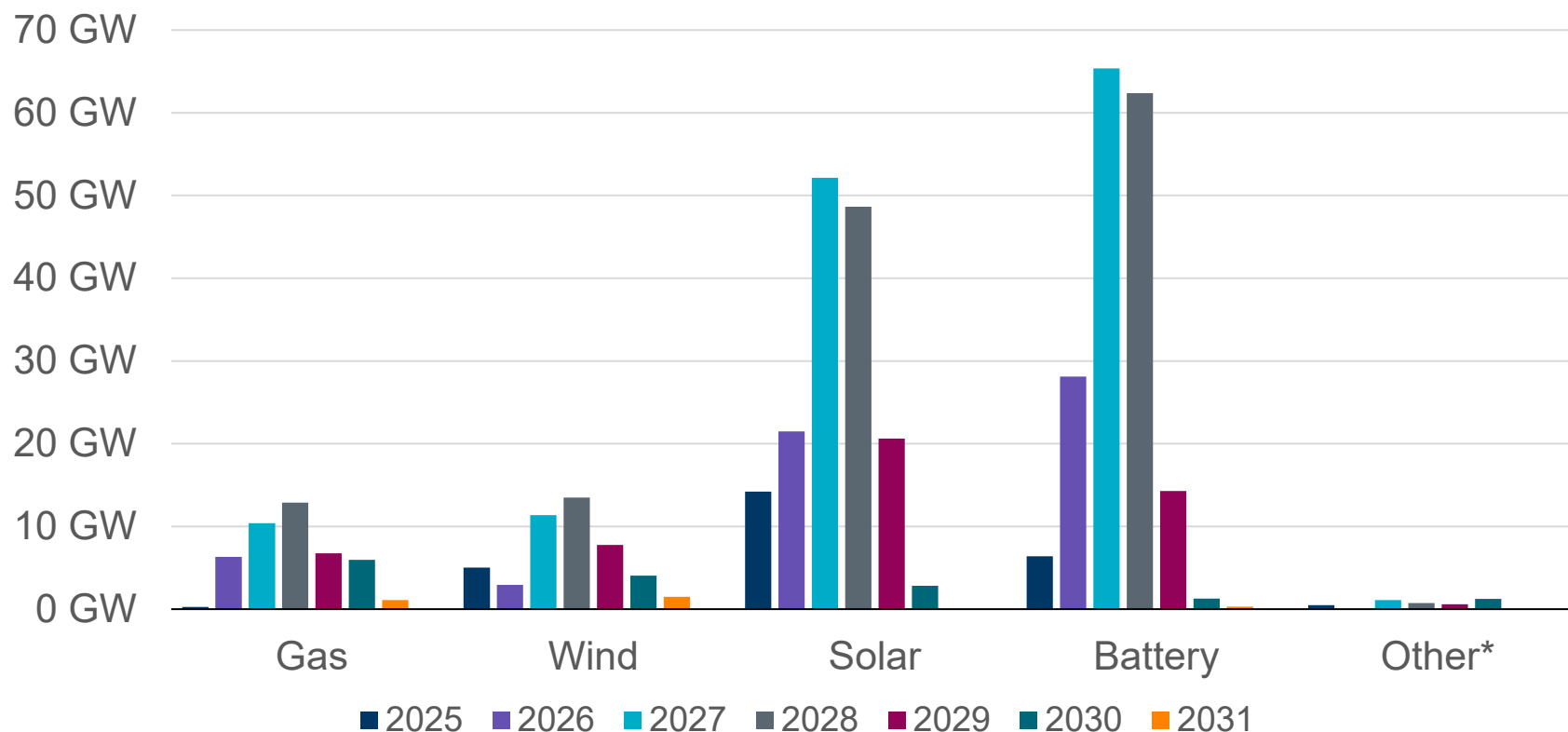


- There are an additional 54 “Small Generator” projects totaling 504 MW that are going through the simplified interconnection process.
- A break-out by fuel type can be found in the monthly Generator Interconnection Status (GIS) reports available on the ERCOT Resource Adequacy Page:

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

Interconnection Queue Capacity by Fuel Type

Queue totals: Solar 160 GW (37%), Wind 46 GW (10.7%), Gas 44 GW (10.1%), Battery 178 GW (41.2%), Other 4 GW (1%)
(Excludes capacity associated with projects designated as Inactive per Planning Guide Section 5.2.5)



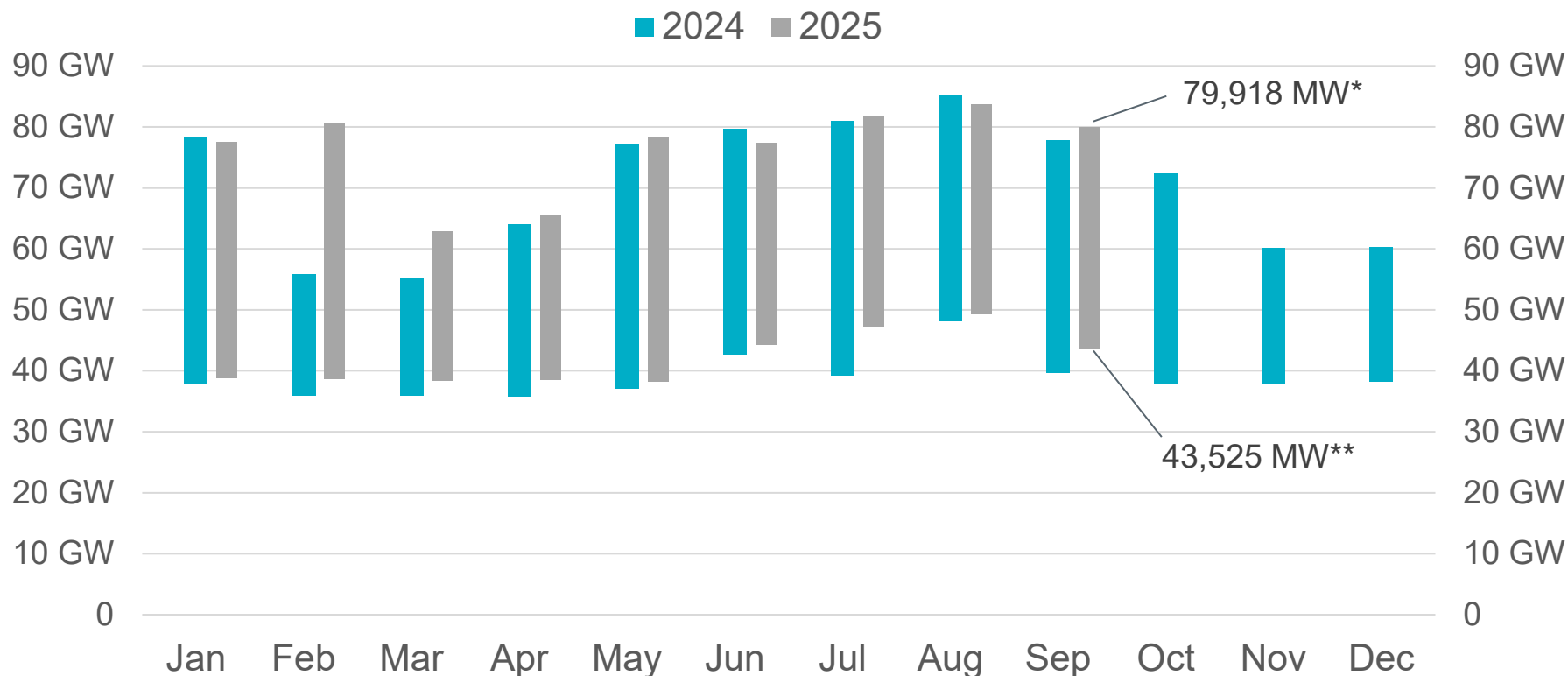
A break-out by zone can be found in the monthly Generator Interconnection Status (GIS) reports available on the ERCOT Resource Adequacy Page: <http://www.ercot.com/gridinfo/resource>

* 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 2,042 active generation interconnection requests totaling 431,936 MW as of September 30. This includes 159,932 MW of solar, 46,093 MW of wind, 178,053 MW of battery, and 43,695 MW of gas projects; 137 projects were categorized as inactive, up from 129 inactive projects in August 2025.
- ERCOT is currently reviewing proposed transmission improvements with a total estimated cost of \$14.279 billion as of August 31, 2025.
- Transmission Projects endorsed in 2025 total \$2.545 billion as of August 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 \$1.354 billion as of June 1, 2025.
- Transmission Projects planned to energize during the remainder of 2025 total approximately \$2.970 billion as of June 1, 2025.

ERCOT's maximum peak demand for the month of September was 79,918 MW* on 9/4/25; this is 2,105 MW more than the September 2024 peak demand of 77,813 MW on 9/19/24.



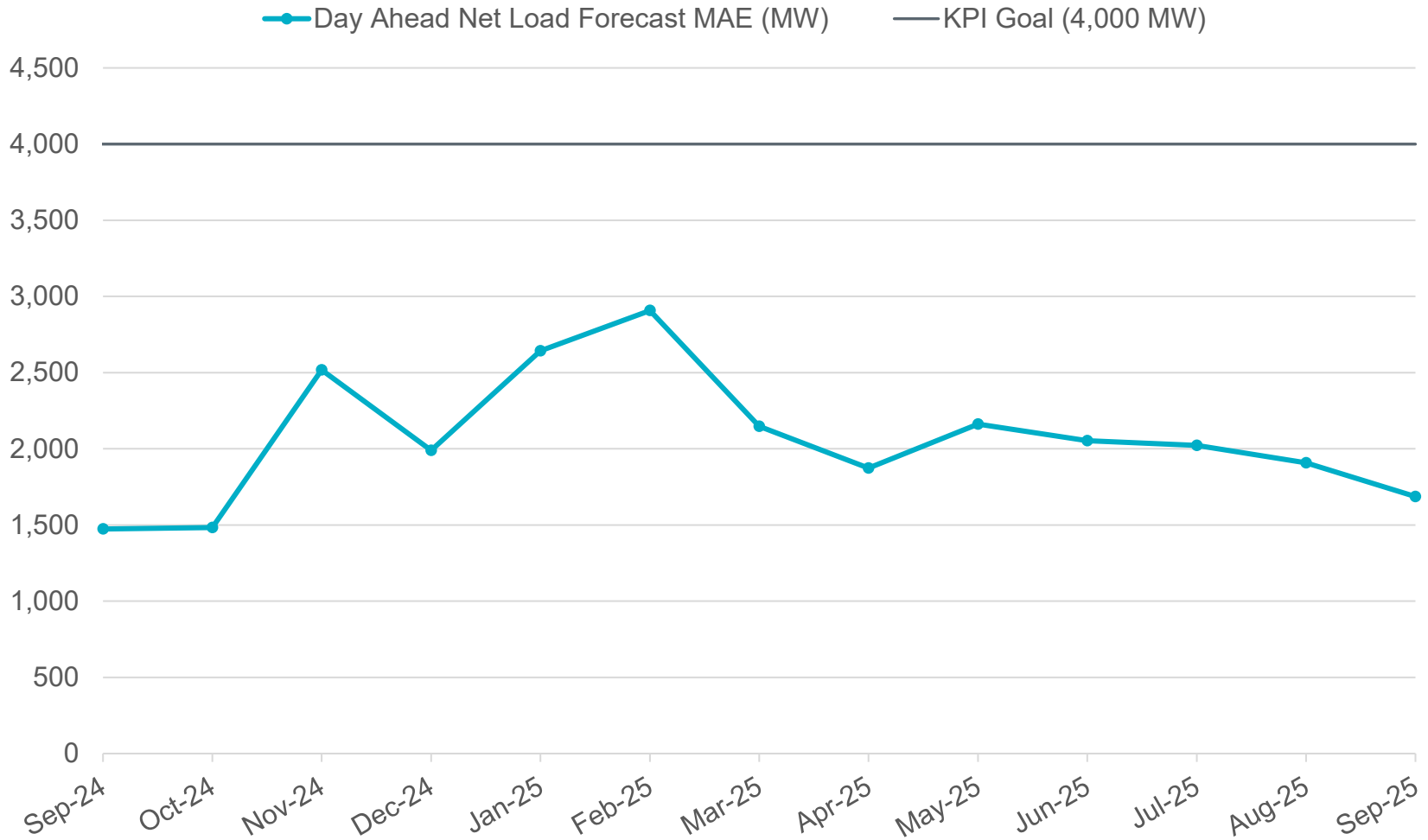
*Based on the maximum net system hourly value from the September 2025 Demand and Energy report.

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

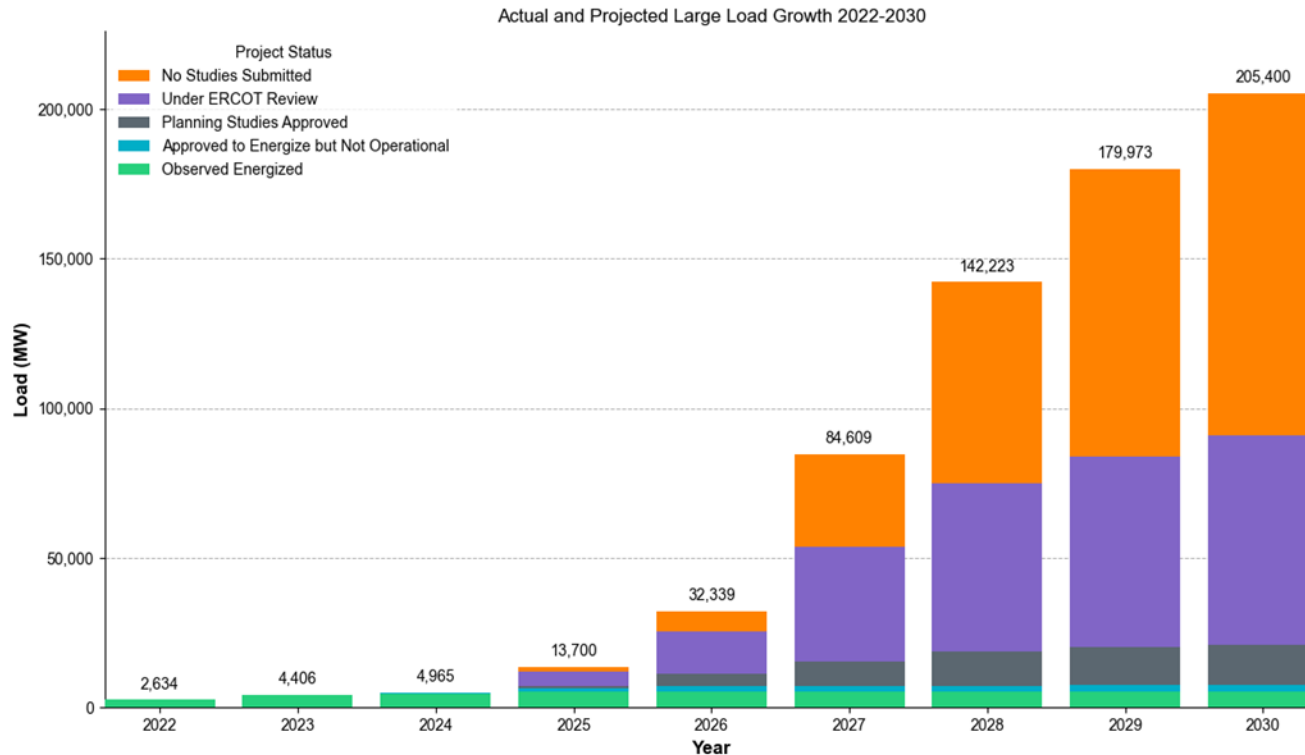
Data for latest two months are based on preliminary settlements.

Net Load Forecast Performance

Day Ahead Net Load Forecast - Mean Absolute Forecast Error



Current Large Load Interconnection Queue



Observed Energized – Projects that have received Approval to Energize from ERCOT Operations and are fully operational. Represented by all time non-simultaneous peak load consumption.

Approved to Energize but Not Operational – Projects that have received Approval to Energize from ERCOT Operations but are not observed to be operational.

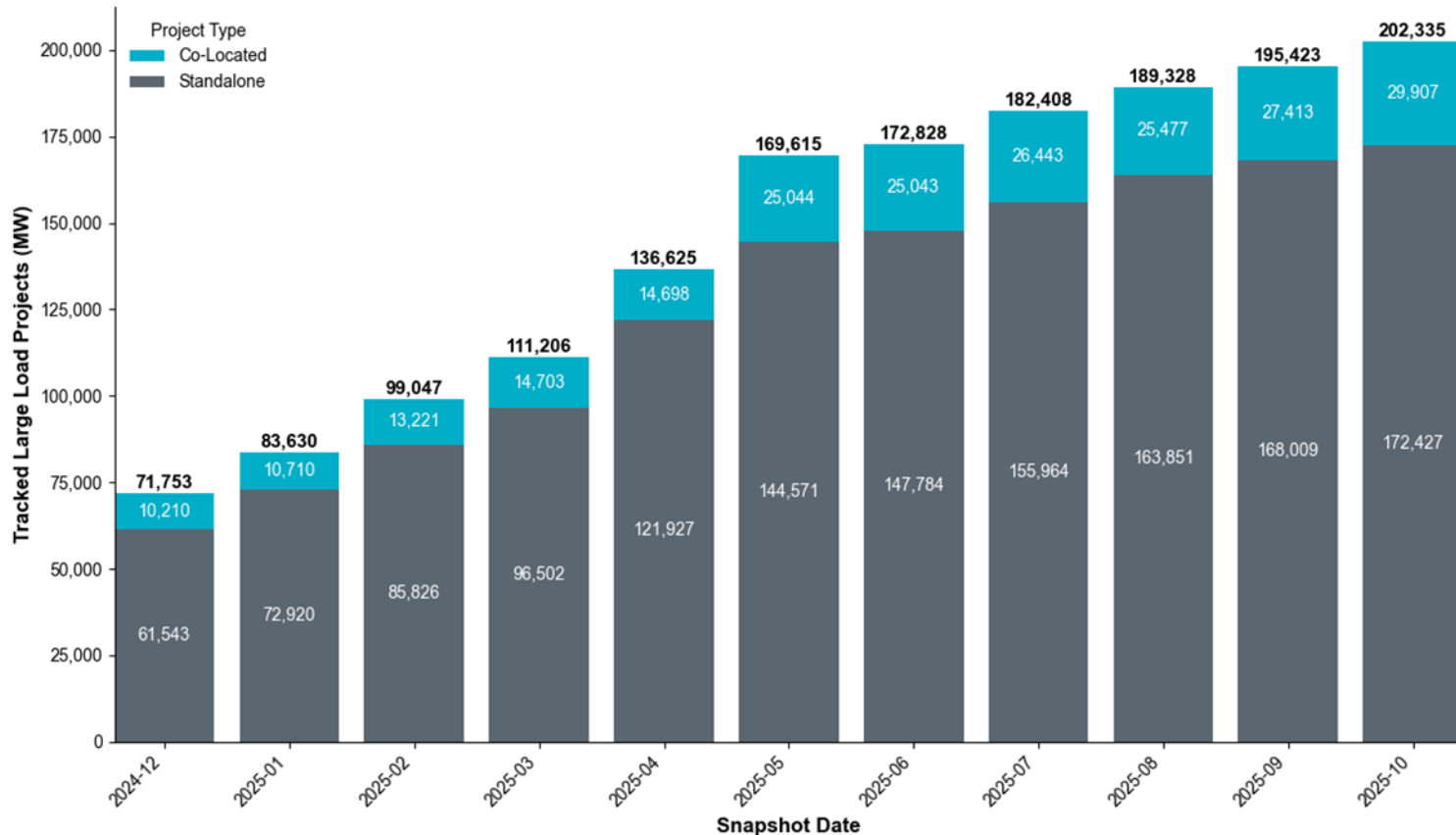
Planning Studies Approved – Projects that have received ERCOT approval of required interconnection studies. Any MWs that were not approved are reclassified as No Studies Submitted.

Under ERCOT Review – Projects that have studies under review by ERCOT.

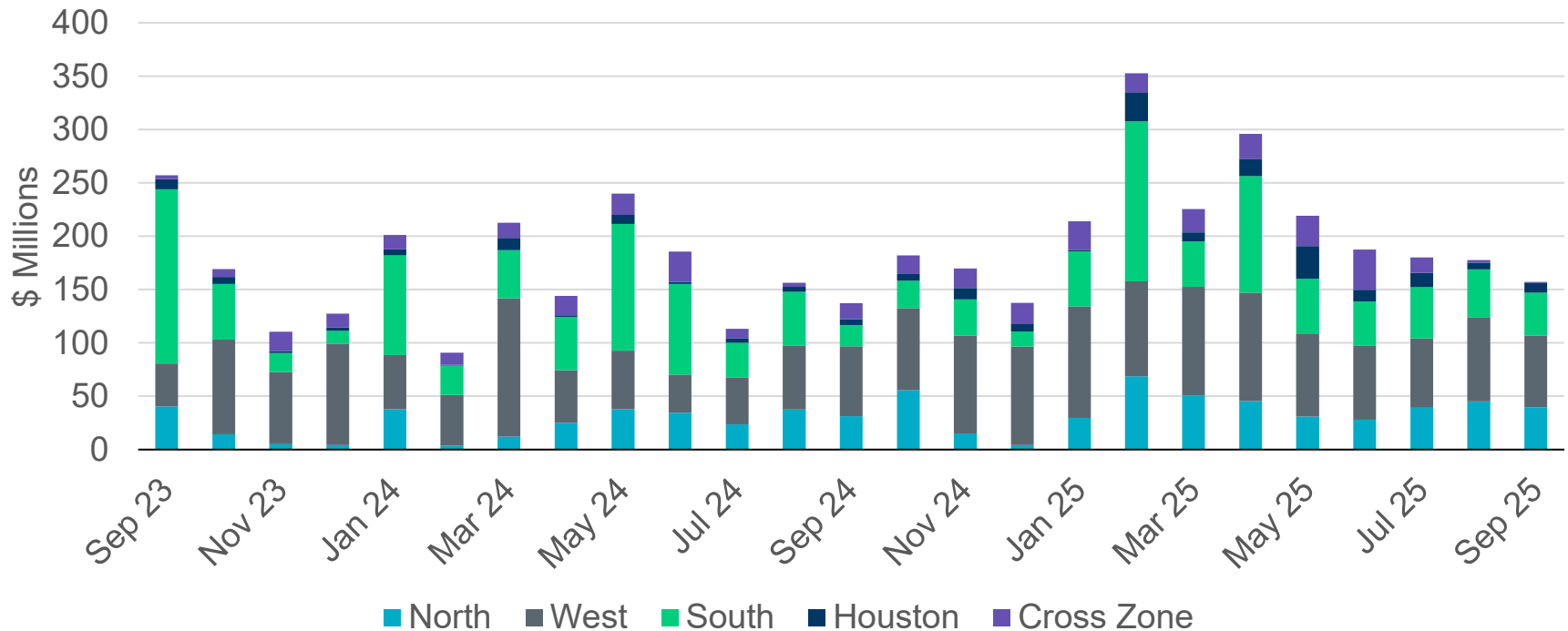
No Studies Submitted – Projects that are tracked by ERCOT but that have not yet provided sufficient information for ERCOT to begin review. Additionally, MWs that were not approved by ERCOT after review of planning studies are included in this category until a path to interconnect these MWs is identified, or the customer cancels the interconnection request.

Loads Approved to Energize – Observations

- Of the 7502 MW that have received Approval to Energize, ERCOT has observed a **non-simultaneous** monthly peak consumption of 4126 MW in October 2025 which is a slight decrease since September 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



Real-Time Congestion Rent Decreased This Month



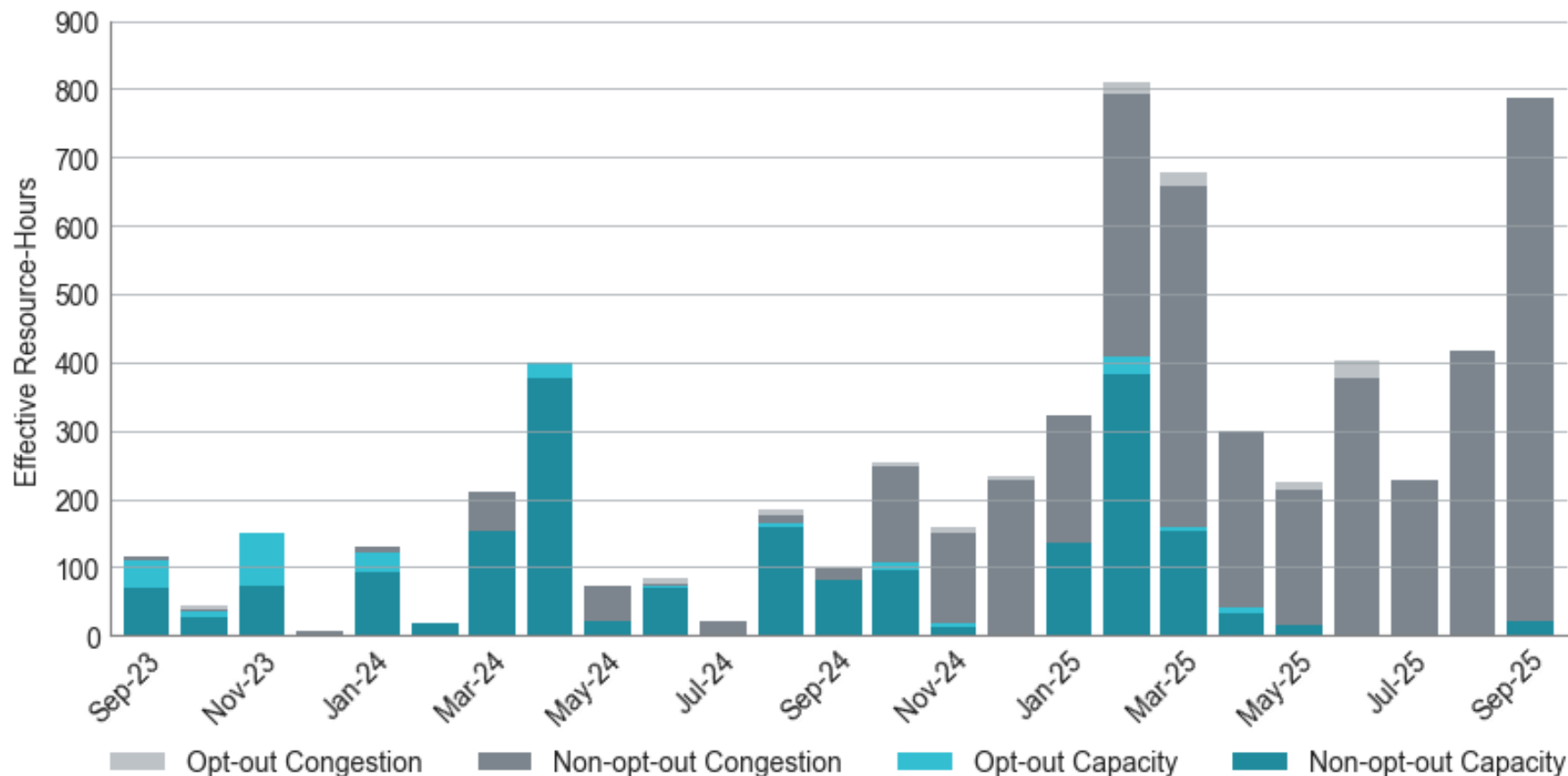
- Total Real-Time congestion rent decreased in September compared to August, with the highest congestion rent in the West and South Zones.
 - Congestion rent in the West Zone was primarily driven by a constraint representing the loss of the 345 kV line from Wett Long Draw to Volta line 1 which would overload the 138 kV line from Koch Tap to Vealmoor.
 - Congestion rent in the South Zone was primarily driven by a constraint representing the loss of the 138 kV double circuit lines from Lytton Springs to Turnersville and Lytton Springs to Bluff Springs, which would overload the 138 kV line from Lytton to Pilot Knob.

Notes:

1) Congestion rent is determined using the shadow prices and MW flows for individual constraints in SCED as well as the length in time 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 nearly doubled in September compared to August and was almost all nominally attributed to managing congestion

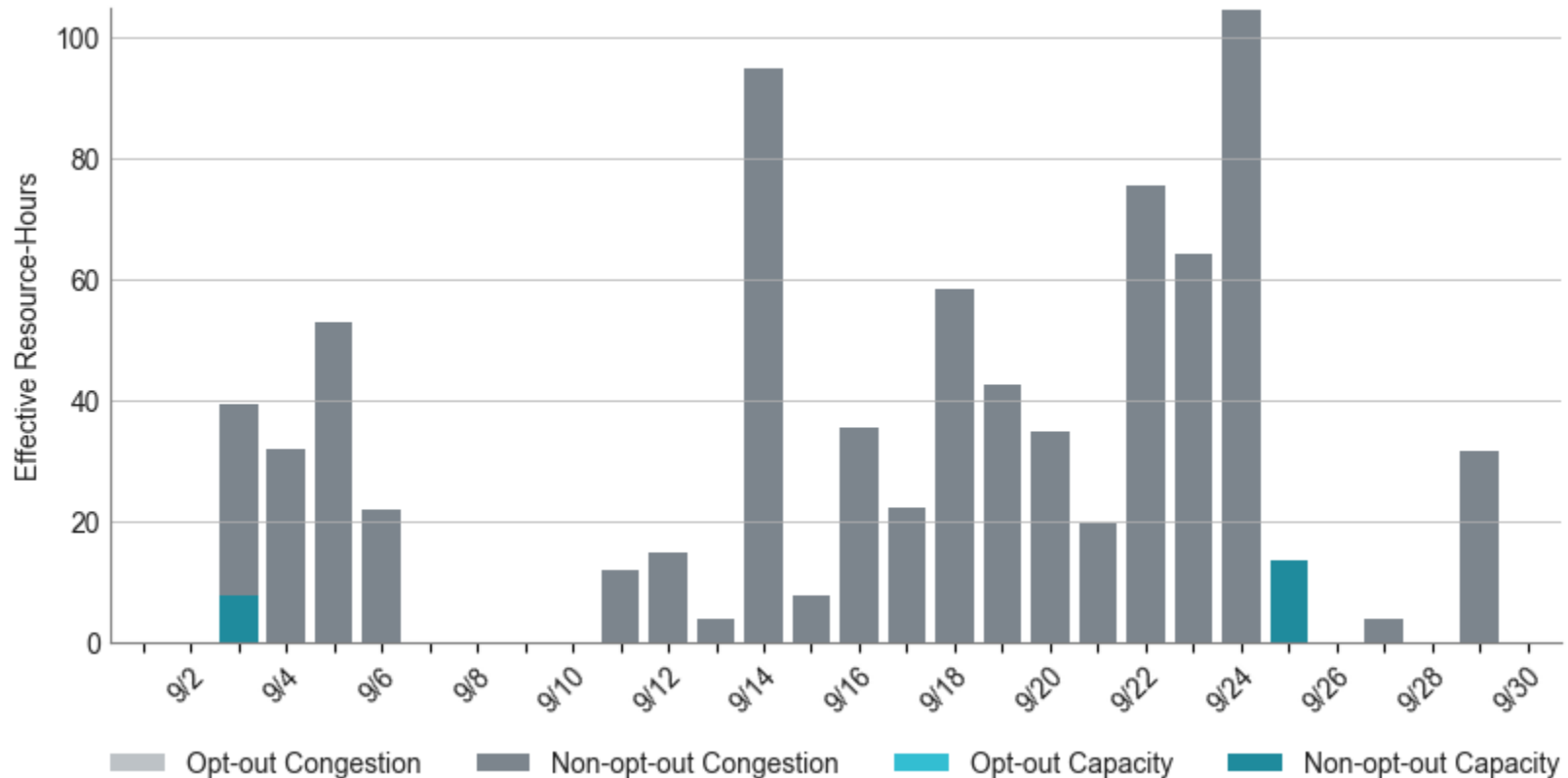


Notes:

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 September 2025

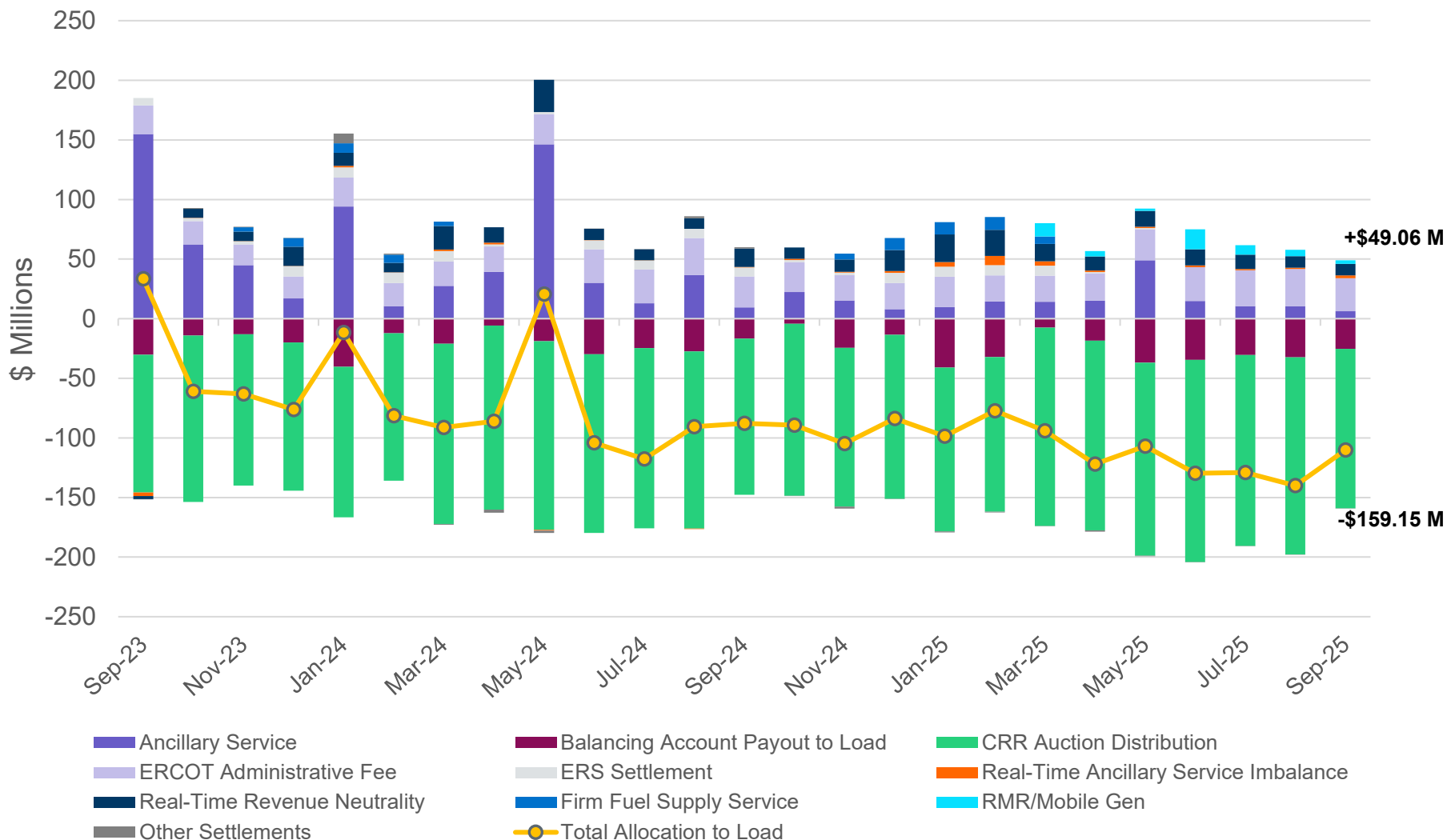
- 788.3 RUC effective Resource-hours.
 - 766.7 hours (97%) for congestion.



Twenty-three Resources were Committed in September, Nearly All Nominally for Managing Congestion

Resource #	Effective Resource-hours	For Congestion		For Capacity	
		Opt-Out	Non-Opt-Out	Opt-Out	Non-Opt-Out
1	8.0	0.0	8.0	0.0	0.0
2	5.6	0.0	5.6	0.0	0.0
3	12.6	0.0	12.6	0.0	0.0
4	69.0	0.0	69.0	0.0	0.0
5	26.0	0.0	26.0	0.0	0.0
6	25.7	0.0	25.7	0.0	0.0
7	8.0	0.0	8.0	0.0	0.0
8	35.0	0.0	35.0	0.0	0.0
9	40.9	0.0	40.9	0.0	0.0
10	24.0	0.0	24.0	0.0	0.0
11	120.5	0.0	120.5	0.0	0.0
12	96.5	0.0	96.5	0.0	0.0
13	8.0	0.0	8.0	0.0	0.0
14	9.0	0.0	9.0	0.0	0.0
15	103.1	0.0	103.1	0.0	0.0
16	87.2	0.0	87.2	0.0	0.0
17	27.3	0.0	23.3	0.0	3.9
18	30.5	0.0	26.6	0.0	3.9
19	19.7	0.0	19.7	0.0	0.0
20	14.0	0.0	14.0	0.0	0.0
21	3.9	0.0	0.0	0.0	3.9
22	7.9	0.0	4.0	0.0	3.9
23	5.9	0.0	0.0	0.0	5.9
Total	788.3	0.0	766.7	0.0	21.5

Net Allocation to Load in September 2025 was (\$110.09) Million



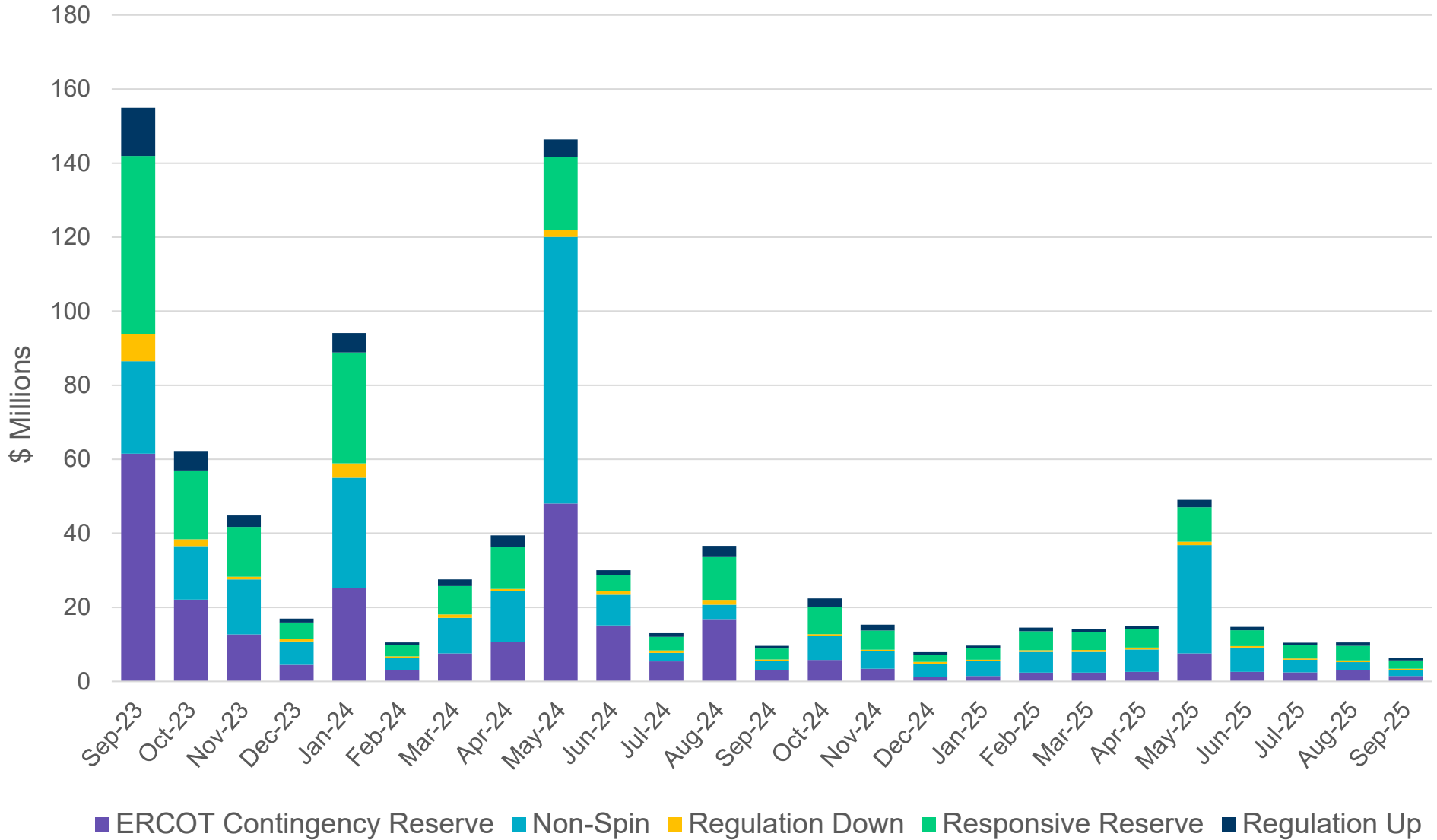
This information is available in tabular form in the Settlement Stability Report presented quarterly to the [Wholesale Market Subcommittee](#)

Real-Time Revenue Neutrality Allocated to Load was \$9.69 M for September 2025

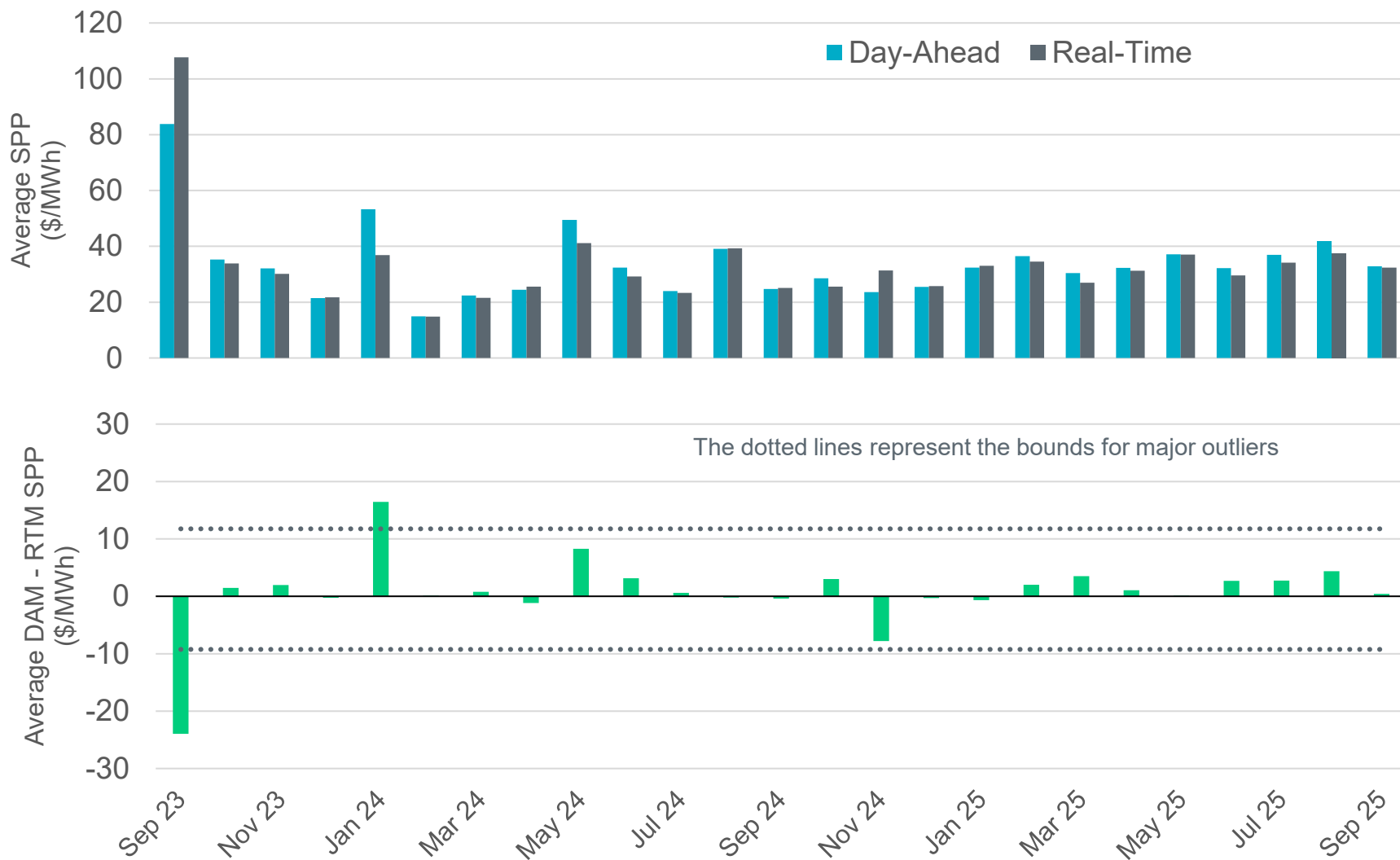


September 2025 (\$M)	
Real-Time Energy Imbalance	\$133.32
Real-Time Point-to-Point Obligation	(\$138.76)
Real-Time Congestion from Self-Schedules	\$0.22
DC Tie & Block Load Transfer	(\$3.61)
Real-Time Energy for SODG and SOTG	(\$0.87)
Load Allocated Revenue Neutrality	\$9.69

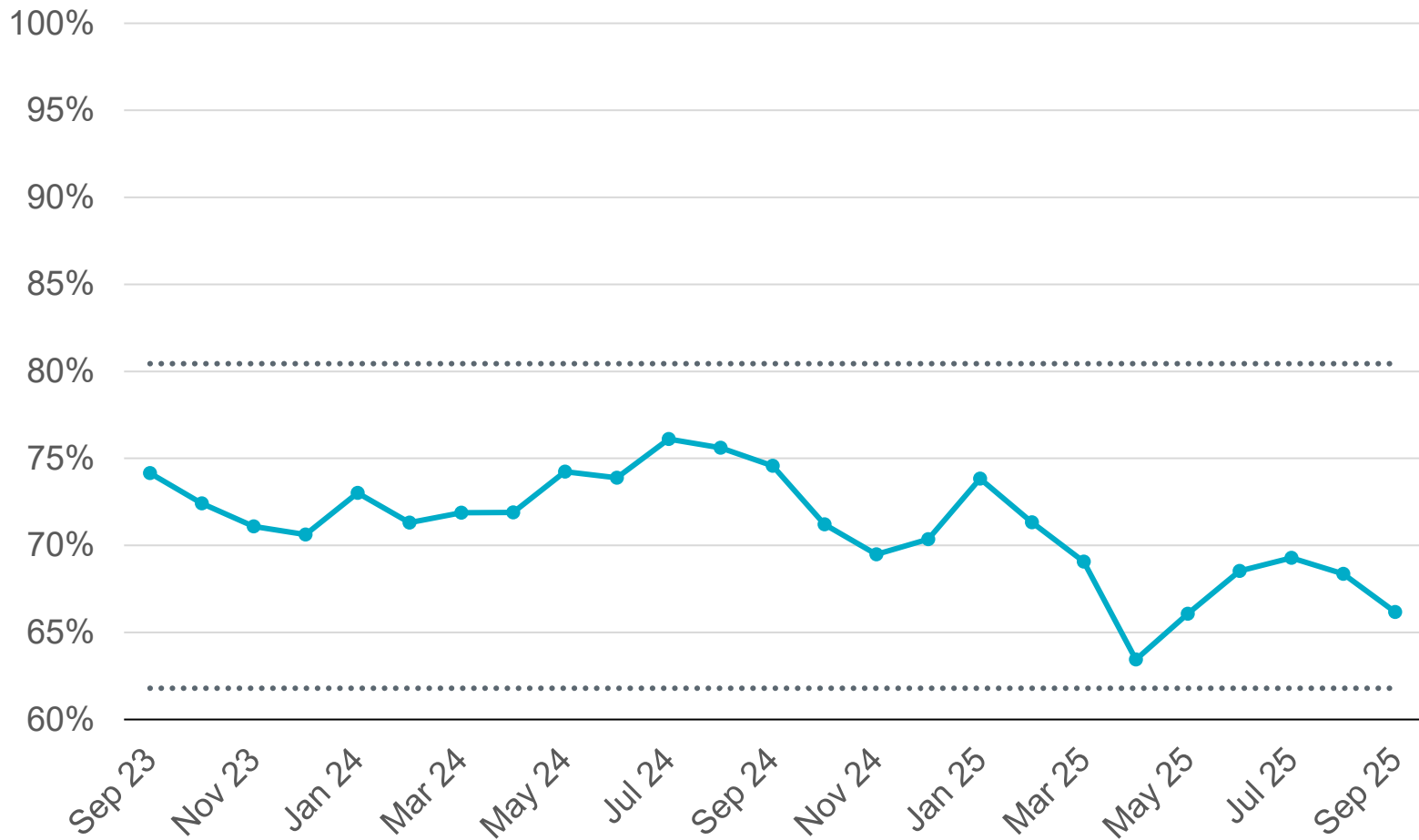
Ancillary Services for September 2025 totaled \$6.24M



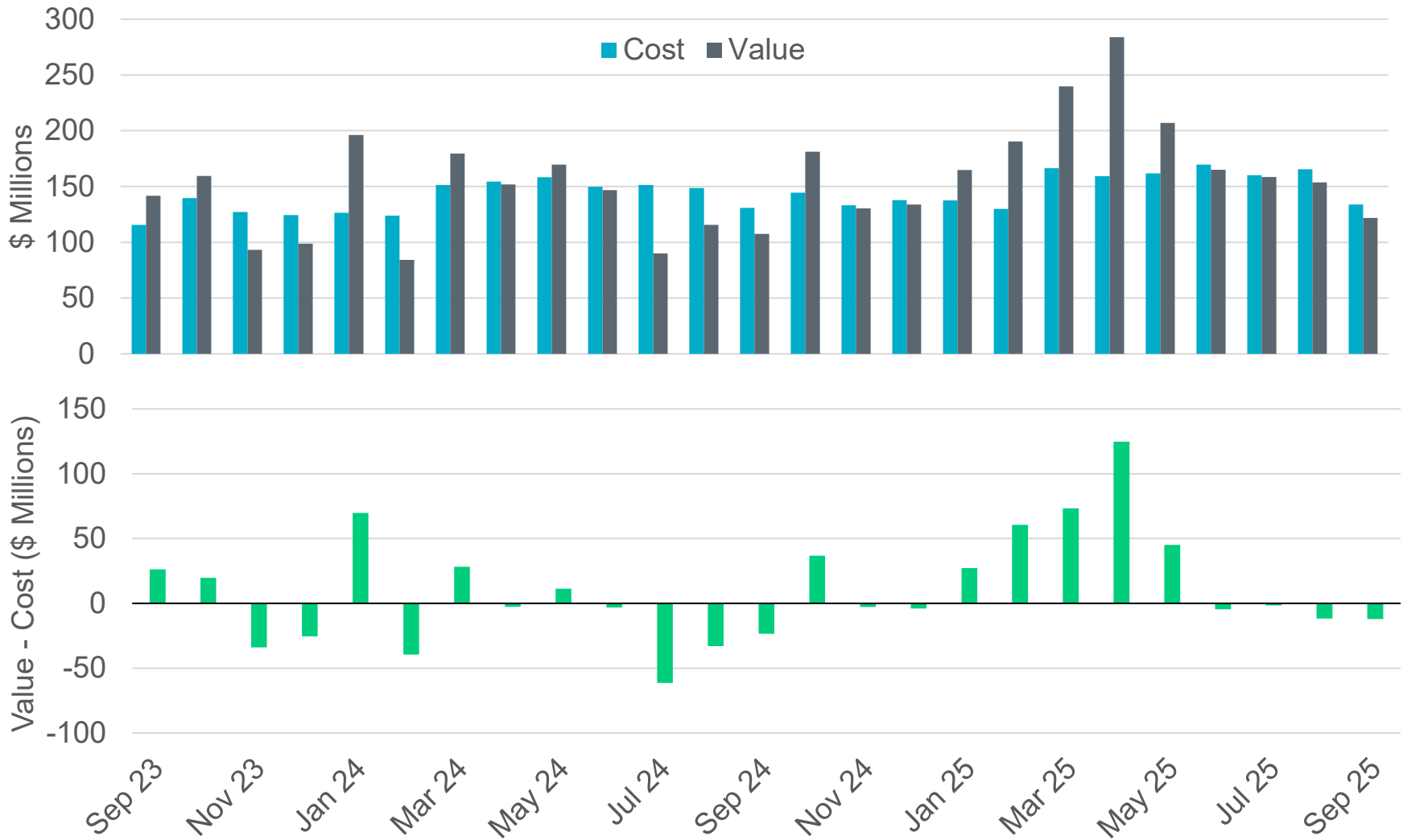
Real-Time prices were closely aligned with Day-Ahead prices in September



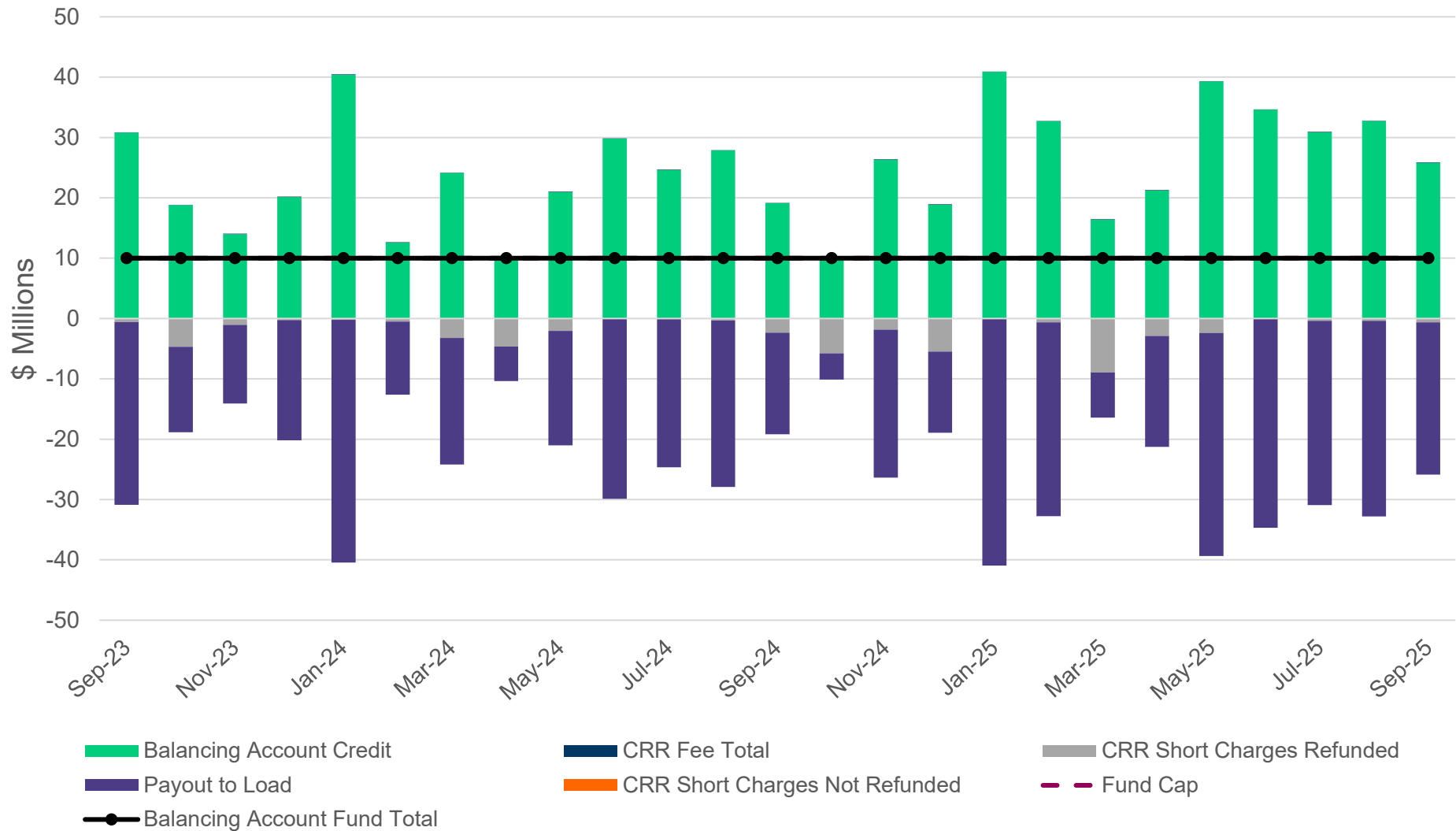
Percentage of Real-Time Load Transacted in the Day-Ahead Market Decreased in September Compared to August



Congestion Revenue Right (CRR) Cost Aligned Similarly with the Value in September as it did in August



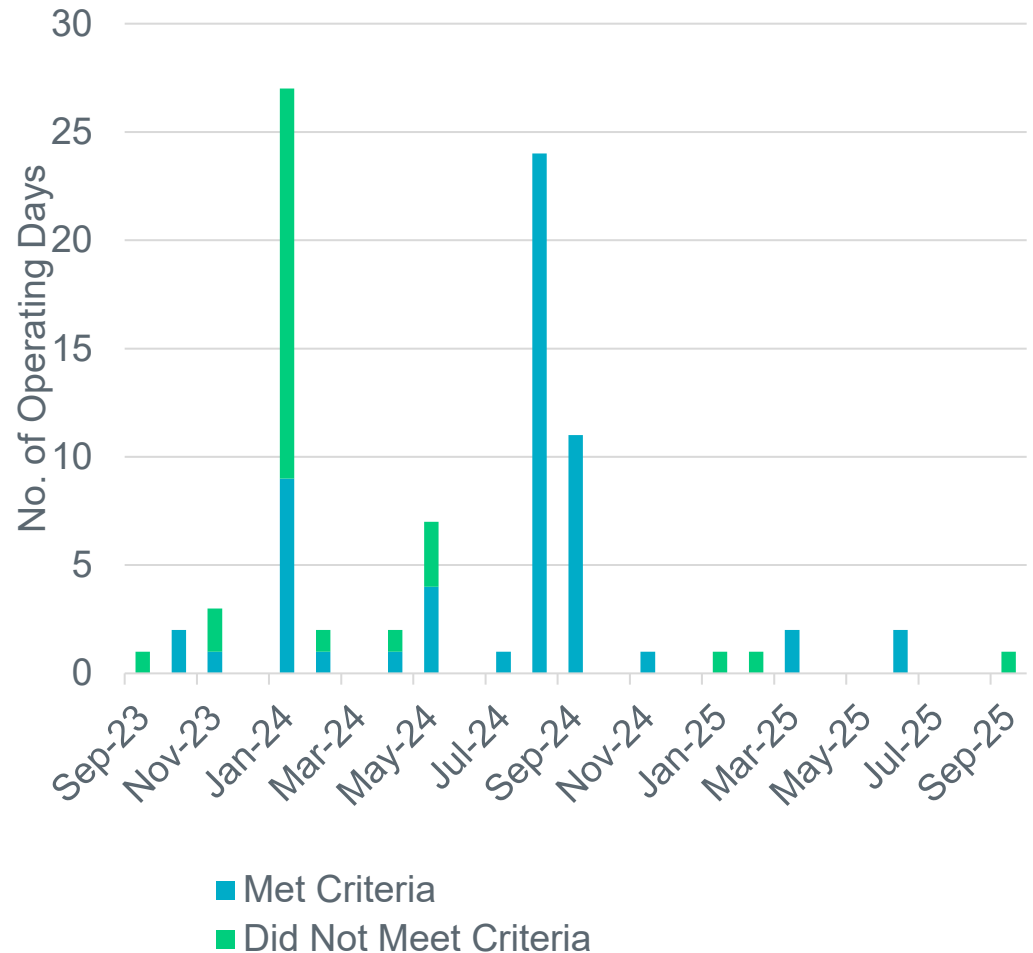
The CRR Balancing Account was fully-funded and excess amounts were allocated to Load



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:

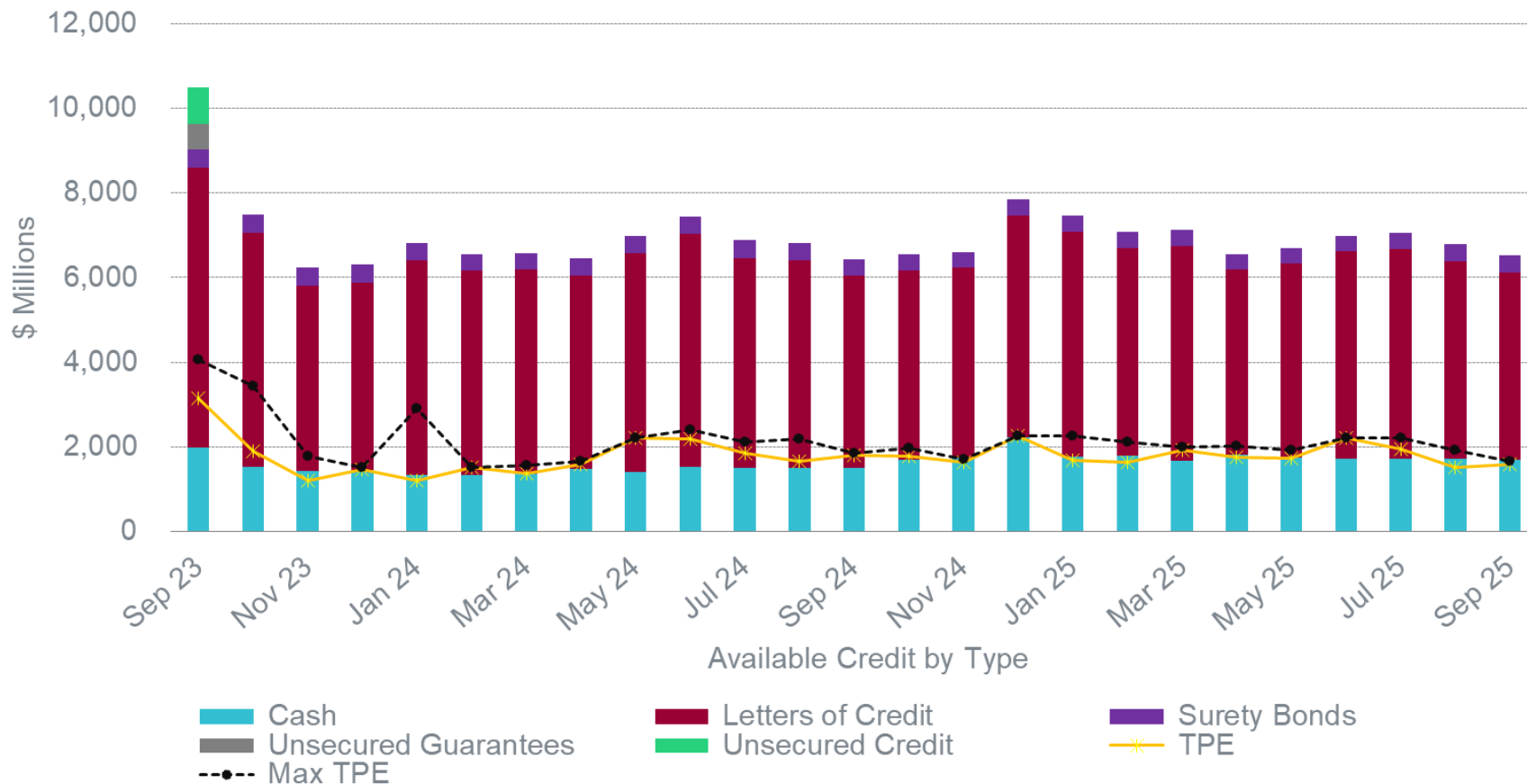
- Days that met the criteria for “significance” under NPRR1024 and were corrected;
- Days that were not corrected because they did not meet the criteria for “significance” under NPRR1024; and
- Days that are currently undergoing analysis to determine if criteria for “significance” under NPRR1024 is met.



Details for Price Corrections Review

On Sept 4, 2025, during a routine site failover, the Emergency Basepoint flag was activated. After a price impact analysis was performed it was determined that criteria for price correction was not met. The total estimated meter impact was approximately \$147.24.

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



*Numbers are as of month end except for Max TPE

Retail Transaction Volumes – Summary – September 2025

	Year-To-Date		Transactions Received	
Transaction Type	September 2025	September 2024	September 2025	September 2024
Switches	1,105,374	965,028	102,183	98,473
Acquisitions	0	0	0	0
Move - Ins	2,273,571	2,423,187	256,599	262,630
Move - Outs	1,108,635	1,093,474	130,026	131,447
Continuous Service Agreements (CSA)	634,294	322,588	42,269	27,603
Mass Transitions	0	0	0	0
Total	5,121,874	4,804,277	531,077	520,153