MONTHLY MARKET STATISTICS

JUNE 2025

(26 May to 25 June 2025)

Document Information Classification: Public

The information contained in this document is based on data that are subject to continuous verification by the Philippine Electricity Market Corporation (PEMC). The same information is subject to change as updated figures come in.

PUBLIC

ENERGY MARKET

AT A GLANCE

26 May - 25 June 2025

Total Registered Capacity (MW)

29,725 0.04%▲

Previous Month: 29,714

Average Demand (MW)

14,707 4.16%▼

Previous Month: 15,345

Average Capacity Offered/Nominated (MW)

21,160 71.19% of the total Registered Capacity

Previous Month: 22,047

Average Capacity Not Offered/Nominated (MW)

5,397 18.16% of the total Registered Capacity

Previous Month: 5,659

Load Weighted Average Price (LWAP) (PHP/MWh)

4,018 3.66%▼

Previous Month: 4,171

Average Capacity of Plants on Commissioning (MW)

456 1.54% of the total Registered Capacity

Previous Month: 612

Average Capacity on Outage (MW)

2,643 8.89% of the total Registered Capacity

Previous Month: 1,435

Average Effective Supply (MW)

17,674 4.18%▼

Previous Month: 18,445

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MARKET OUTCOME
REGIONAL AT A GLANCE

26 May - 25 June 2025

Philippine Electricity Market Corporation

Luzon

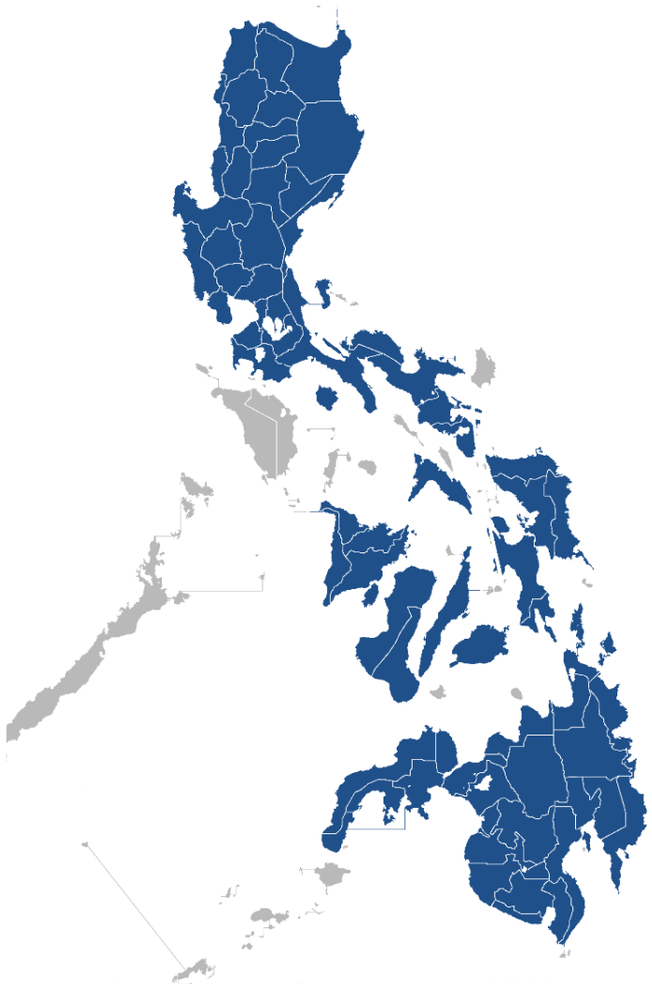
Total Registered Capacity (MW)	21,645.70
Average Effective Supply (MW)	12,589.30
Average Demand (MW)	10,557.25

Visayas

Total Registered Capacity (MW)	3,742.30
Average Effective Supply (MW)	2,505.77
Average Demand (MW)	2,035.18

Mindanao

Total Registered Capacity (MW)	4,336.80
Average Effective Supply (MW)	2,622.23
Average Demand (MW)	2,114.53



Zones	LWAP	Month-on-Month % Change
Northern Luzon	4,105.17	7.83%▼
Metro Manila	4,137.62	6.37%▼
Southern Luzon	3,959.75	6.73%▼
Bohol	4,148.83	11.32%▲
Cebu	4,105.40	3.73%▲
Leyte	4,002.09	20.84%▲
Negros	4,090.44	4.10%▲
Panay	4,256.91	4.43%▲
Lanao	3,323.97	12.57%▲
North Central	3,425.82	11.26%▲
North-East	3,941.62	15.69%▲
North-West	3,854.12	8.60%▲
South-East	3,653.49	12.70%▲
South-West	3,715.03	12.47%▲

Registered Capacity (in MW)

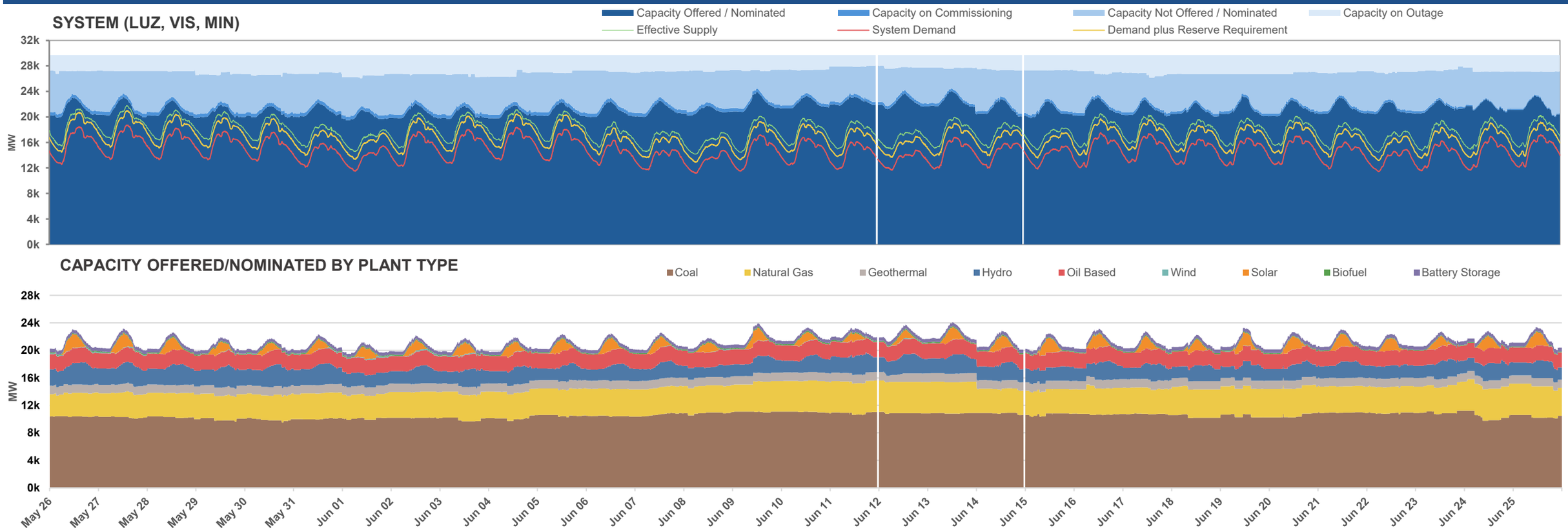
	COAL	NATGAS	GEO	HYDRO	OIL-BASED	WIND	SOLAR	BIOFUEL	BESS
Luzon	8,740.60	4,574.90	812.70	2,551.60	1,680.60	465.80	2,220.90	155.60	443.00
Visayas	1,329.70	-	857.00	66.30	489.70	102.80	563.80	194.60	138.40
Mindanao	2,254.60	-	105.00	1,161.50	589.00	-	67.20	59.50	100.00

PUBLIC

MARKET OUTCOME
CAPACITY PROFILE

26 May - 25 June 2025

Philippine Electricity Market Corporation



Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Effective Supply						
System	0.00	6/11/2025 23:10	21,790.91	5/27/2025 14:15	17,673.64	4.18%▼
Luzon	0.00	6/11/2025 23:10	15,666.40	5/27/2025 14:15	12,556.16	3.70%▼
Visayas	0.00	6/11/2025 23:10	3,124.17	6/3/2025 14:35	2,499.59	4.84%▲
Mindanao	0.00	6/11/2025 23:10	3,194.70	6/2/2025 13:55	2,615.77	13.44%▼
Demand Plus Reserve Requirement						
System	0.00	6/11/2025 23:10	20,982.85	5/27/2025 14:20	16,680.42	4.39%▼
Luzon	0.00	6/11/2025 23:10	15,127.88	5/27/2025 14:20	11,937.32	5.70%▼
Visayas	0.00	6/11/2025 23:10	2,993.19	6/2/2025 14:30	2,368.98	2.15%▼
Mindanao	0.00	6/11/2025 23:10	2,995.46	5/27/2025 13:55	2,376.89	0.43%▲

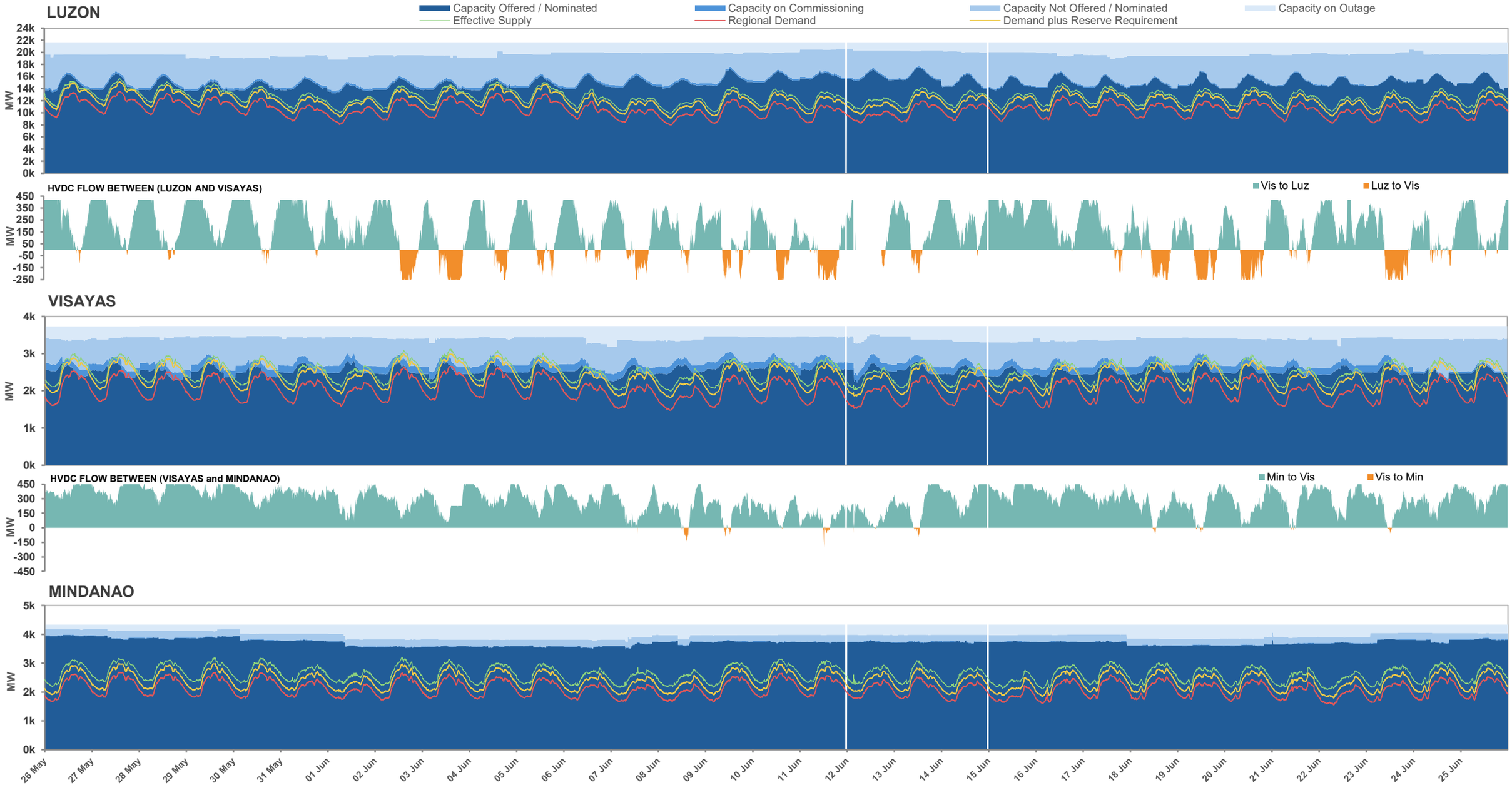
Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Capacity Offered/Nominated						
Coal	9,496.40	5/30/2025 18:30	11,240.40	6/23/2025 23:30	10,517.16	7.50%▼
Natural Gas	2,988.30	5/26/2025 3:15	4,565.80	6/11/2025 11:05	3,935.12	17.29%▲
Geothermal	914.00	6/12/2025 4:40	1,252.50	6/18/2025 0:05	1,216.67	0.45%▲
Hydro	1,352.40	6/8/2025 13:00	3,247.10	5/26/2025 17:50	2,169.80	17.16%▼
Oil Based	2,095.10	6/17/2025 10:05	2,194.10	6/1/2025 4:30	2,183.17	0.36%▲
Wind	1.00	6/6/2025 4:15	204.50	6/2/2025 14:50	40.08	11.79%▼
Solar	0.10	5/26/2025 5:00	2,110.10	6/15/2025 11:30	881.16	38.06%▲
Biofuel	101.80	6/23/2025 2:30	189.50	6/10/2025 10:55	142.41	12.39%▼
Battery Storage	390.40	6/7/2025 10:35	560.40	6/24/2025 9:15	490.18	4.39%▲

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MARKET OUTCOME
CAPACITY PROFILE

26 May - 25 June 2025

Philippine Electricity Market Corporation



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MARKET OUTCOME
CAPACITY PROFILE

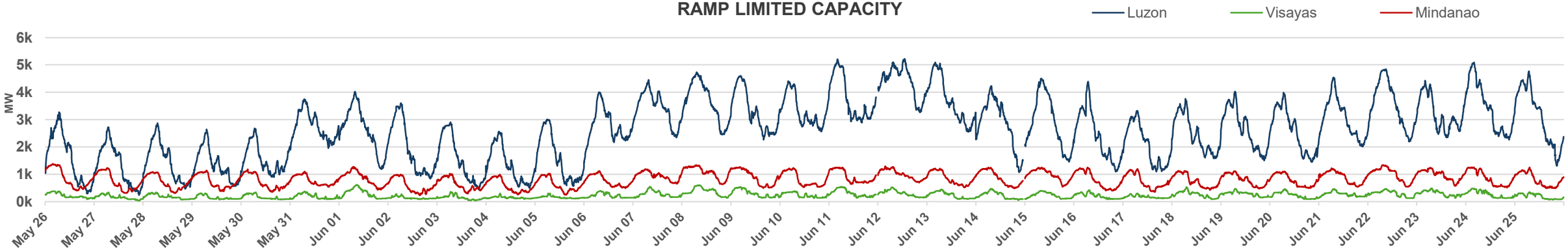
26 May - 25 June 2025

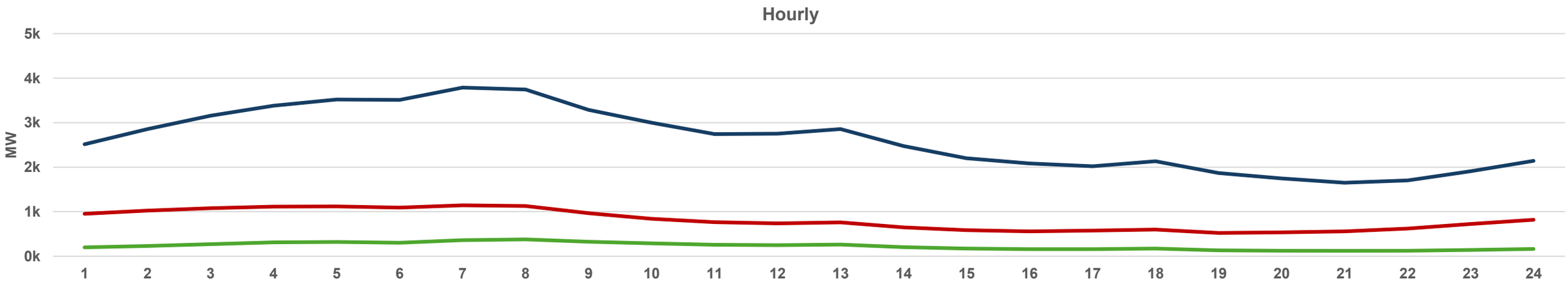
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HVDC Flow	Min (in MW)	Max (in MW)	Percent of Time	Month-on-Month % Change
Luz-Vis	0.34	250.00	22%	92.67%▲
Vis-Luz	0.12	420.00	75%	4.17%▼
Vis-Min	0.10	204.79	3%	1321.37%▲
Min-Vis	0.44	450.00	97%	2.73%▼

Note: The percent time represents the proportion of the total period during which the HVDCs were available and in operation.

Particulars	Min (in MW)	Min Date and time Interval	Max (in MW)	Max Date and time Interval	Ave (in MW)	Month-on-Month % Change
Ramp Limited Capacity						
System	871.68	5/27/2025 22:05	6,944.12	6/11/2025 4:15	3,655.47	1.72%▼
Luzon	237.91	5/27/2025 22:05	5,223.55	6/12/2025 13:05	2,627.39	2.45%▲
Visayas	35.50	5/27/2025 21:50	609.85	6/1/2025 8:45	226.13	6.38%▼
Mindanao	228.21	6/2/2025 15:45	1,375.07	5/26/2025 3:50	810.98	11.21%▼

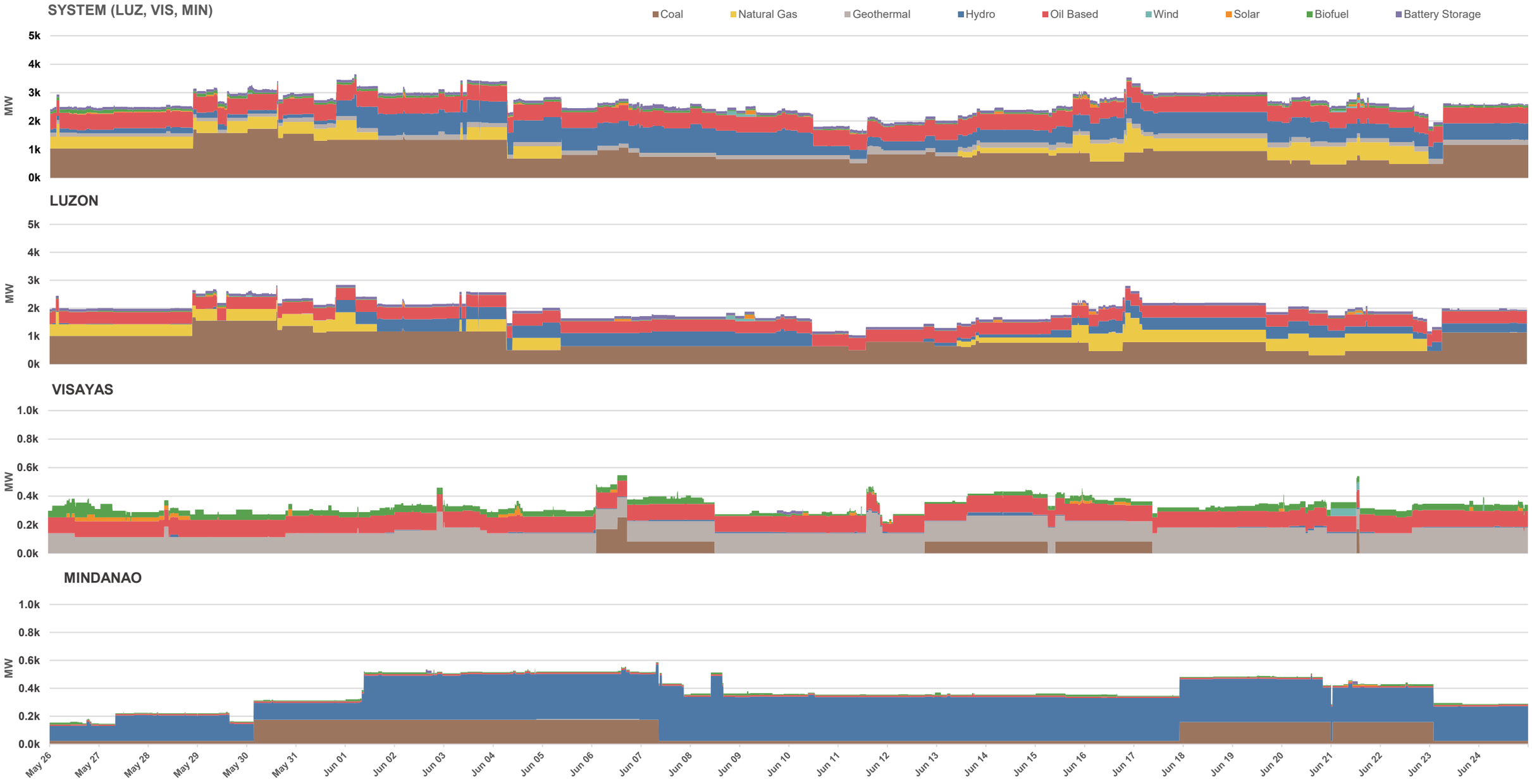




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MARKET OUTCOME
OUTAGE BY PLANT TYPE
26 May - 25 June 2025

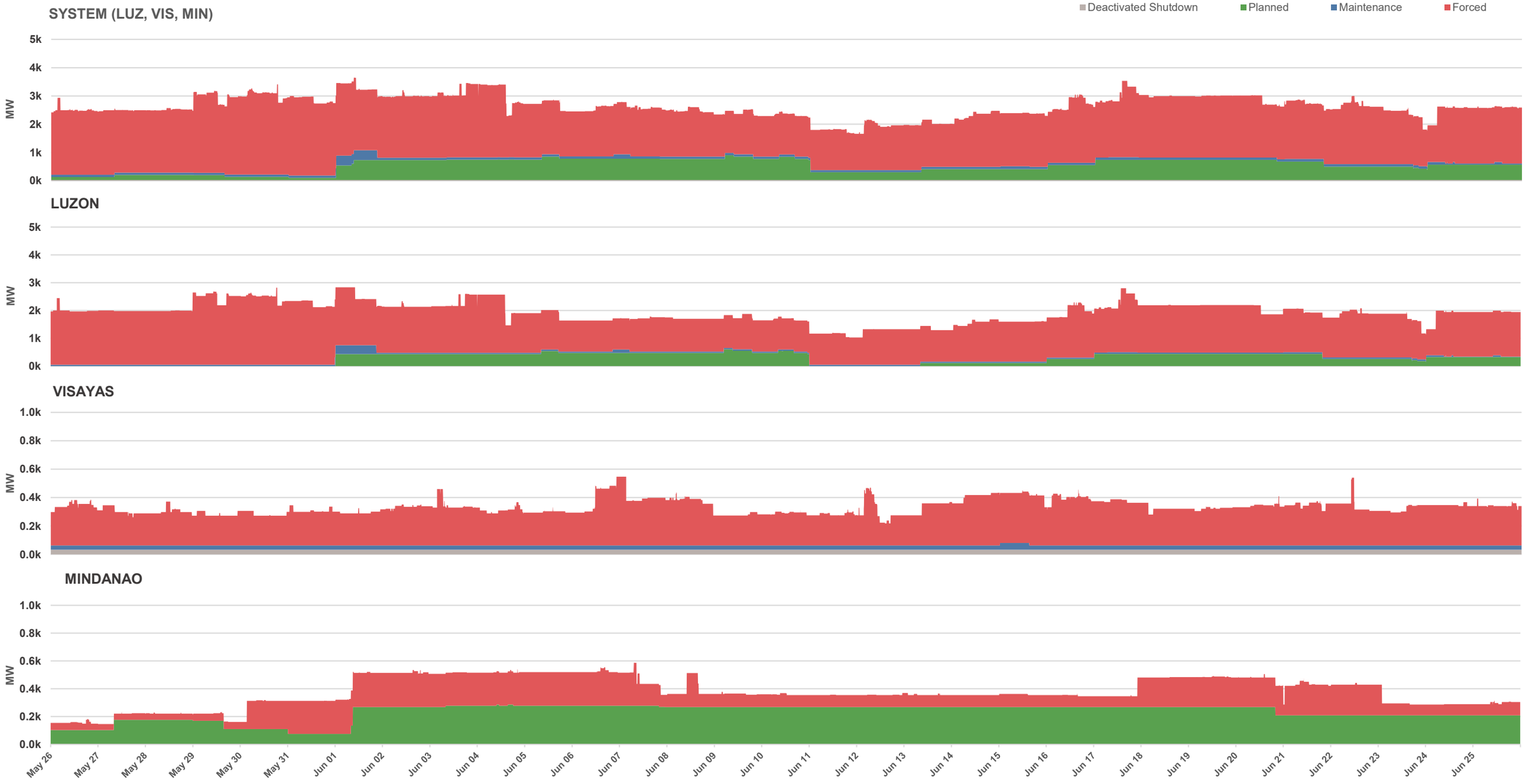
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MARKET OUTCOME
OUTAGE BY CATEGORY
26 May - 25 June 2025

Philippine Electricity Market Corporation



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MARKET OUTCOME
OUTAGE SUMMARY
26 May - 25 June 2025

Philippine Electricity Market Corporation

System

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	475.10	6/21/2025 10:15	2,046.50	5/30/2025 18:15	948.41	231.28%▲
Natural Gas	190.00	6/14/2025 0:55	1,040.00	6/17/2025 13:45	451.56	15.87%▼
Geothermal	113.20	5/26/2025 13:30	302.37	6/12/2025 4:25	152.09	17.15%▲
Hydro	106.43	5/26/2025 0:05	1,006.93	6/8/2025 10:05	555.95	301.30%▲
Oil Based	501.60	6/12/2025 8:40	610.10	6/16/2025 15:50	555.81	9.43%▲
Wind	51.20	5/30/2025 3:00	131.00	6/9/2025 4:50	73.82	95.04%▲
Solar	8.20	6/21/2025 6:10	147.10	6/9/2025 14:05	39.62	23.26%▼
Biofuel	17.60	6/19/2025 2:40	138.70	5/26/2025 10:30	58.99	4.06%▲
Battery Storage	40.00	6/24/2025 9:15	160.00	5/30/2025 5:15	90.10	1.41%▼

Luzon

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	316.00	6/21/2025 10:15	1,871.00	5/30/2025 18:15	839.96	111.41%▲
Natural Gas	190.00	6/14/2025 0:55	1,040.00	6/17/2025 13:45	451.56	15.87%▼
Geothermal	16.70	5/31/2025 7:00	16.70	5/31/2025 7:00	16.70	10.22%▼
Hydro	0.80	5/26/2025 9:45	611.50	6/10/2025 8:15	309.19	212.24%▲
Oil Based	430.00	5/26/2025 0:05	450.00	6/18/2025 13:45	430.03	0.20%▼
Wind	51.20	5/30/2025 3:00	131.00	6/9/2025 4:50	83.05	156.33%▲
Solar	13.40	6/11/2025 11:35	147.10	6/9/2025 14:05	62.55	5.64%▲
Biofuel	10.80	5/30/2025 0:25	55.80	5/29/2025 6:35	15.90	14.84%▼
Battery Storage	40.00	6/24/2025 9:15	160.00	5/30/2025 5:15	89.60	1.92%▼

Visayas

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	83.70	6/7/2025 3:10	252.70	6/6/2025 22:15	94.61	33.69%▼
Natural Gas	-		-			
Geothermal	113.20	5/26/2025 13:30	302.37	6/12/2025 4:25	151.07	21.80%▲
Hydro	0.40	5/31/2025 5:05	23.60	6/14/2025 23:10	7.59	26.02%▲
Oil Based	61.00	6/12/2025 8:40	169.50	6/16/2025 15:50	115.15	74.41%▲
Wind	52.90	6/12/2025 0:45	52.90	6/12/2025 0:45	52.90	13.94%▲
Solar	14.50	6/5/2025 14:00	59.70	6/4/2025 19:35	25.59	4.99%▲
Biofuel	11.90	6/8/2025 17:45	111.10	5/26/2025 20:10	36.82	23.12%▲
Battery Storage	20.00	6/10/2025 6:30	20.00	6/10/2025 6:30	20.00	

Mindanao

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	24.10	5/26/2025 0:05	175.50	5/30/2025 3:25	86.57	179.58%▲
Natural Gas	-		-			
Geothermal	3.60	6/4/2025 21:10	3.60	6/4/2025 21:10	3.60	0.00%▼
Hydro	106.43	5/26/2025 0:05	469.43	6/7/2025 9:10	271.11	277.87%▲
Oil Based	10.60	5/26/2025 0:05	21.60	5/27/2025 12:00	10.63	3.19%▼
Wind	-		-			
Solar	8.20	6/21/2025 6:10	8.20	6/21/2025 6:10	8.20	59.00%▼
Biofuel	5.70	5/26/2025 16:05	28.70	6/9/2025 3:45	8.08	0.36%▼
Battery Storage	20.00	6/2/2025 15:20	20.00	6/2/2025 15:20	20.00	

System

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	75.00	5/31/2025 0:15	872.30	6/9/2025 4:50	506.11	1017.92%▲
Maintenance	40.80	6/24/2025 9:15	345.00	5/31/2025 23:55	88.72	69.87%▼
Forced	1,280.00	6/11/2025 22:40	3,186.03	5/30/2025 18:15	2,015.66	88.70%▲
Deactivated Shutdown	33.00	5/26/2025 0:05	33.00	5/26/2025 0:05	33.00	

Luzon

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	112.50	6/13/2025 8:15	603.50	6/9/2025 4:50	377.03	1357.58%▲
Maintenance	10.80	6/24/2025 9:15	315.00	5/31/2025 23:55	58.36	77.91%▼
Forced	935.60	6/23/2025 21:50	2,773.70	5/30/2025 18:15	1,597.85	107.12%▲
Deactivated Shutdown	-		-			

Visayas

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	-		-			
Maintenance	30.00	5/26/2025 0:05	48.00	6/15/2025 0:15	30.36	1.20%▲
Forced	155.30	6/12/2025 14:00	485.70	6/7/2025 1:40	271.46	28.15%▲
Deactivated Shutdown	33.00	5/26/2025 0:05	33.00	5/26/2025 0:05	33.00	

Mindanao

Particulars	Min		Max		Ave	Month-on-Month % Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	75.00	5/31/2025 0:15	286.75	6/4/2025 9:50	230.60	440.77%▲
Maintenance	-		-			
Forced	43.40	5/28/2025 21:05	309.83	6/7/2025 7:20	146.36	72.37%▲
Deactivated Shutdown	-		-			

PUBLIC

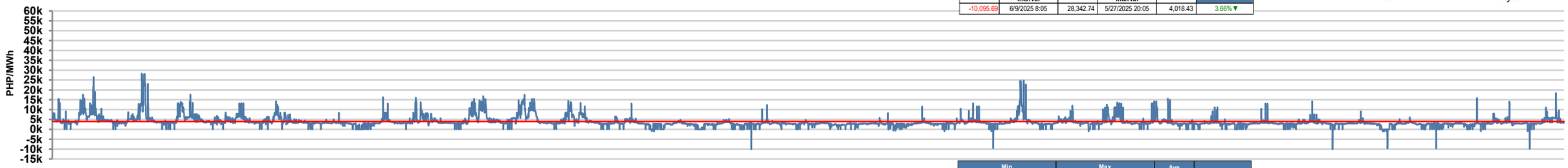
MARKET OUTCOME
MARKET PRICE

26 May - 25 June 2025

Philippine Electricity Market Corporation

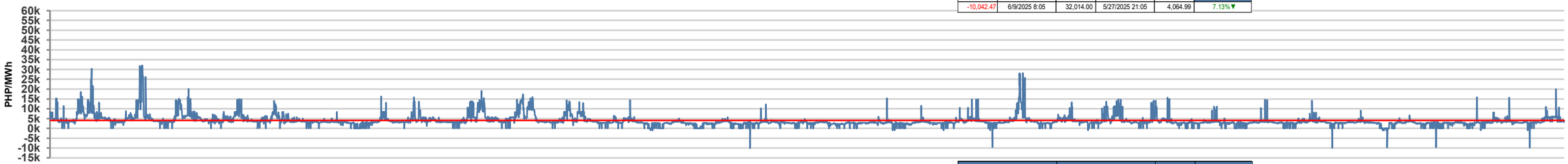
SYSTEM (LUZ, VIS, MIN)

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,095.69	6/9/2025 8:05	28,342.74	5/27/2025 20:05	4,018.43	3.66%▼



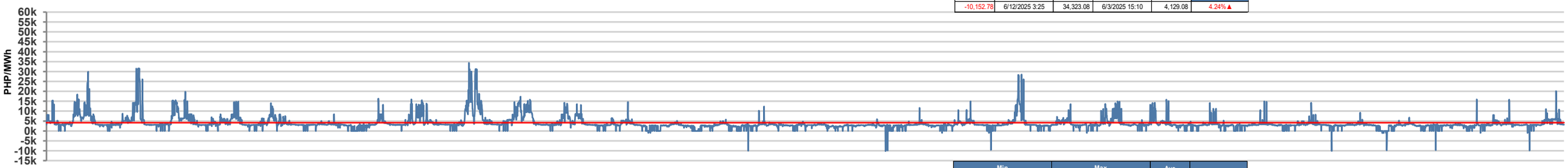
LUZON

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,042.47	6/9/2025 8:05	32,014.00	5/27/2025 21:05	4,064.99	7.13%▼



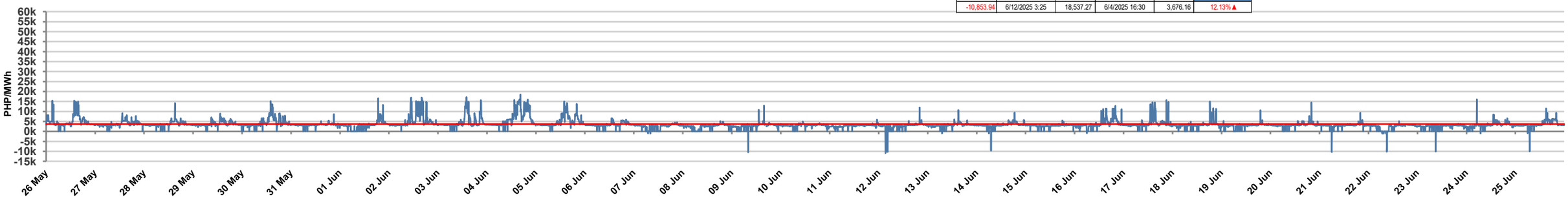
VISAYAS

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,152.78	6/12/2025 3:25	34,323.08	6/3/2025 15:10	4,129.08	4.24%▲



MINDANAO

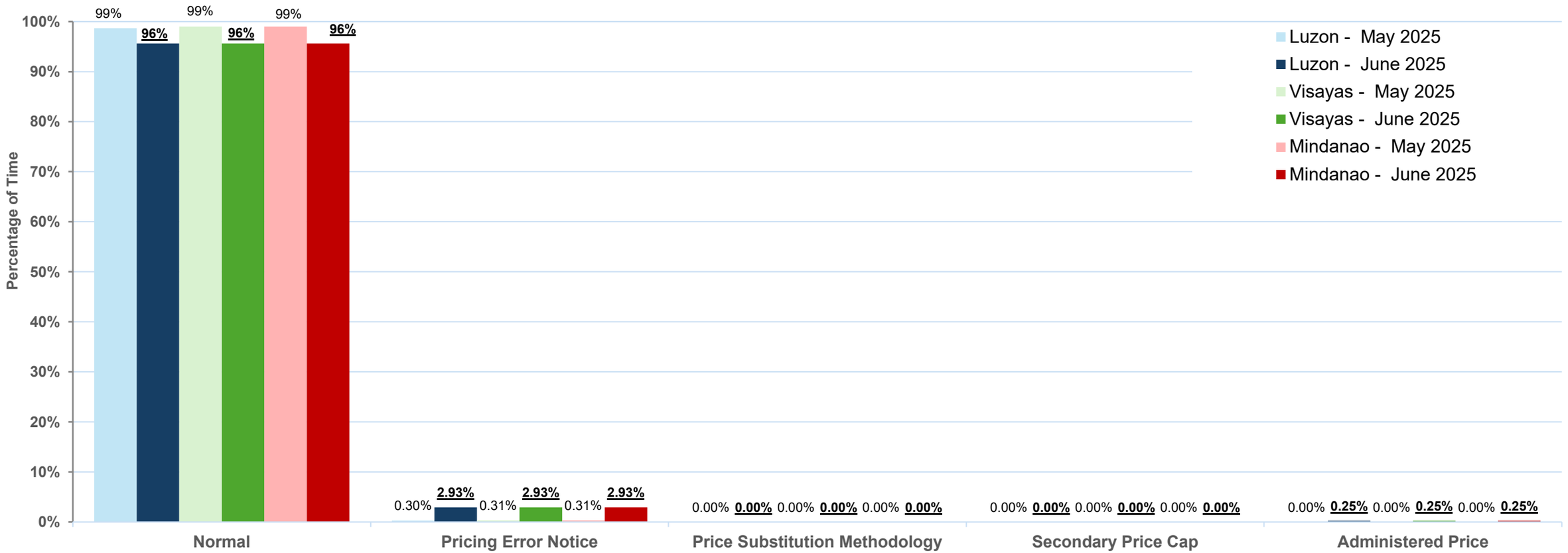
Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,853.94	6/12/2025 3:25	18,537.27	6/4/2025 16:30	3,676.16	12.13%▲



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MARKET OUTCOME
PRICING CONDITION
26 May - 25 June 2025

Philippine Electricity Market Corporation

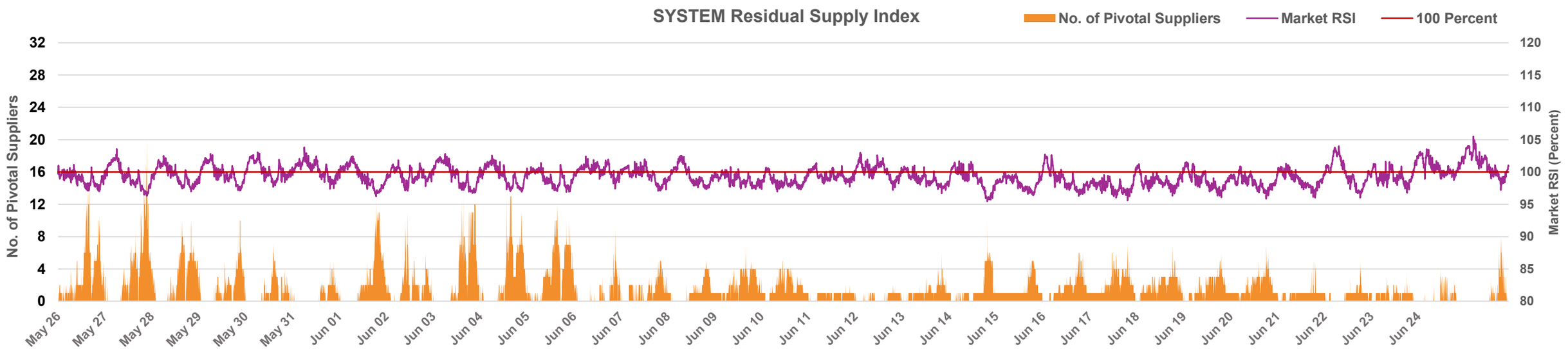


		Normal		Pricing Error Notice		Price Substitution Methodology		Secondary Price Cap		Administered Price	
Region/Grid	Billing Month	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%
Luzon	May 2025	8,527	98.69%	26	0.30%	87	1.01%	0	0.00%	0	0.00%
	June 2025	8,537	95.62%	262	2.93%	107	1.20%	0	0.00%	22	0.25%
Visayas	May 2025	8,554	99.00%	27	0.31%	59	0.68%	0	0.00%	0	0.00%
	June 2025	8,537	95.62%	262	2.93%	107	1.20%	0	0.00%	22	0.25%
Mindanao	May 2025	8,554	99.00%	27	0.31%	59	0.68%	0	0.00%	0	0.00%
	June 2025	8,537	95.62%	262	2.93%	107	1.20%	0	0.00%	22	0.25%

PUBLIC

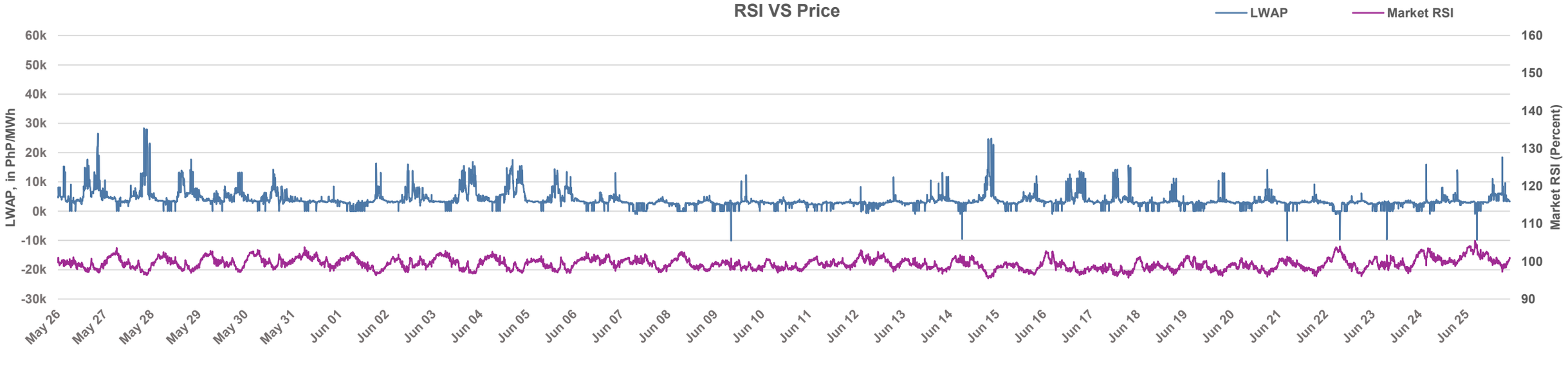
MARKET OUTCOME
STRUCTURAL COMPETITION
26 May - 25 June 2025

Philippine Electricity Market Corporation



RSI		Price (PHP/MWh)	Time Interval
Max	105.51	-990.86	6/25/2025 6:05
Min	95.45	24,637.12	6/14/2025 20:25

Price (PHP/MWh)		RSI	Time Interval
Max	28,342.74	96.47	5/27/2025 20:05
Min	-10,095.69	100.79	6/9/2025 8:05

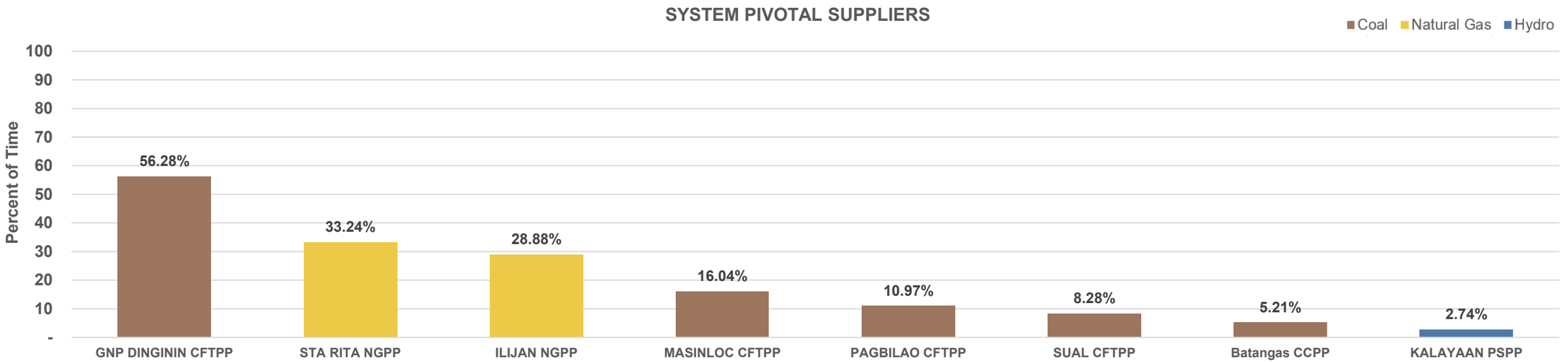


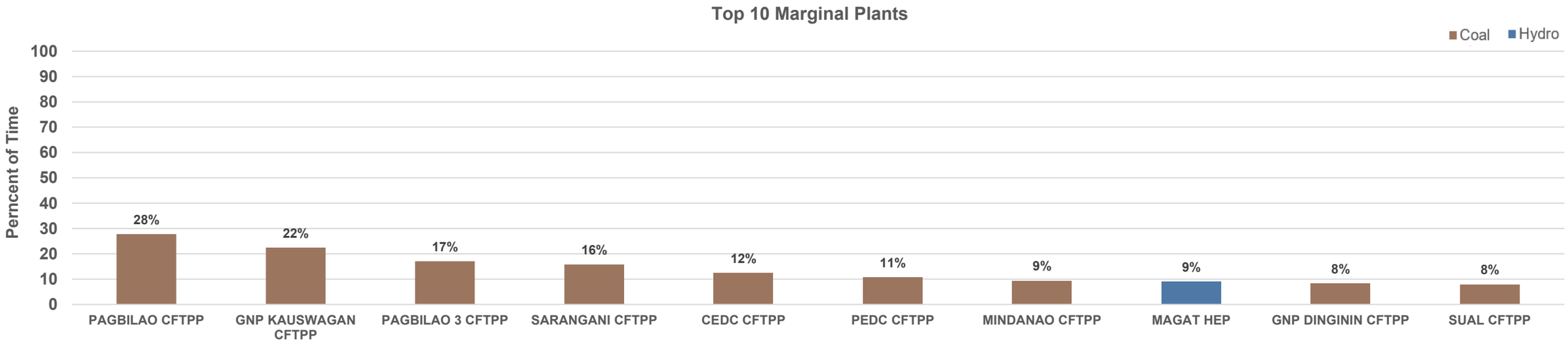
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MARKET OUTCOME
STRUCTURAL COMPETITION

26 May - 25 June 2025

Philippine Electricity Market Corporation



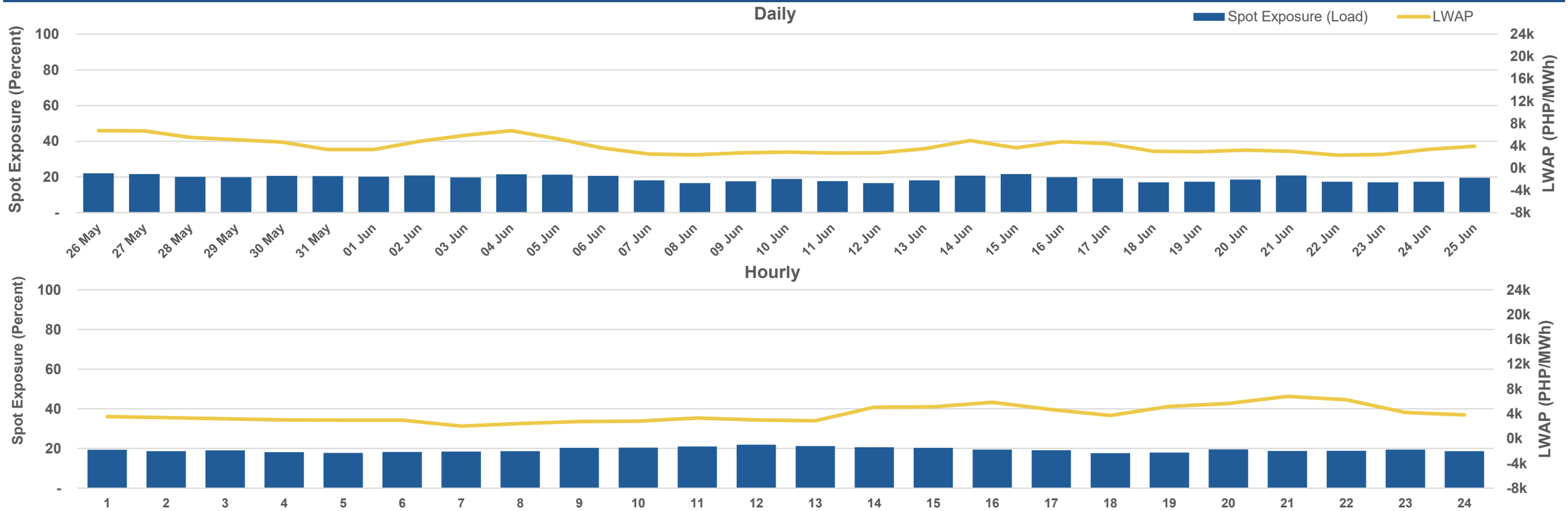


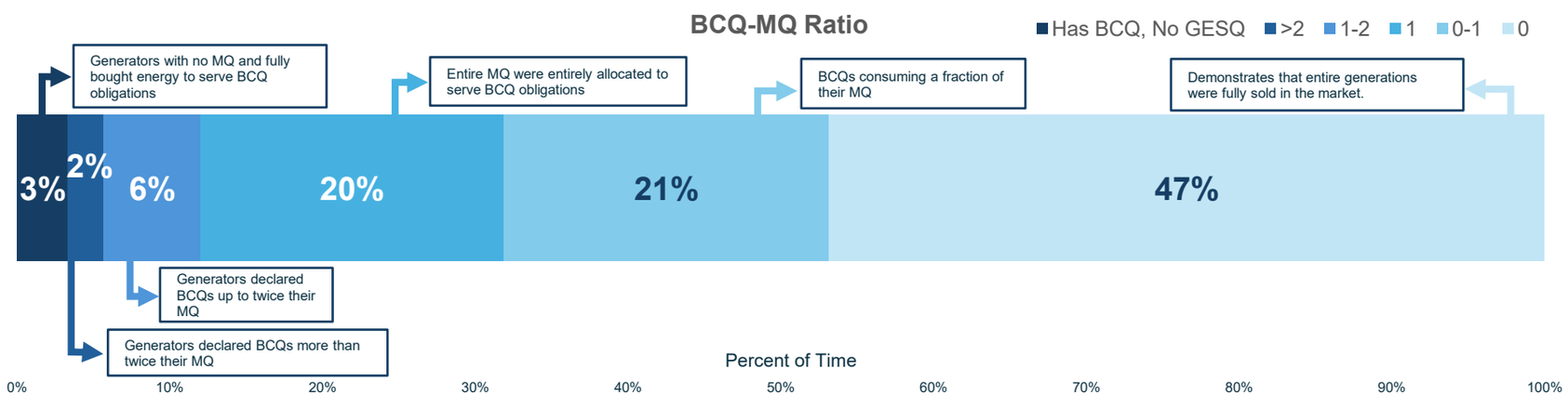
PUBLIC

MARKET OUTCOME
SPOT EXPOSURE

26 May - 25 June 2025

Philippine Electricity Market Corporation





Legend	% of Time	Remarks
Has BCQ, No GESQ	3%	Generators with no MQ and fully bought energy to serve BCQ
>2	2%	Generators declared BCQs more than twice their MQ
1-2	6%	Generators declared BCQs up to twice their MQ
1	20%	Entire MQ were entirely allocated to serve BCQ obligations
0-1	21%	BCQs consuming a fraction of their MQ
0	47%	Demonstrates that entire generations were fully sold in the market.

Note: The graph is derived from the occurrences of the BCQ-MQ ratio over time per generator trading interval.

PUBLIC

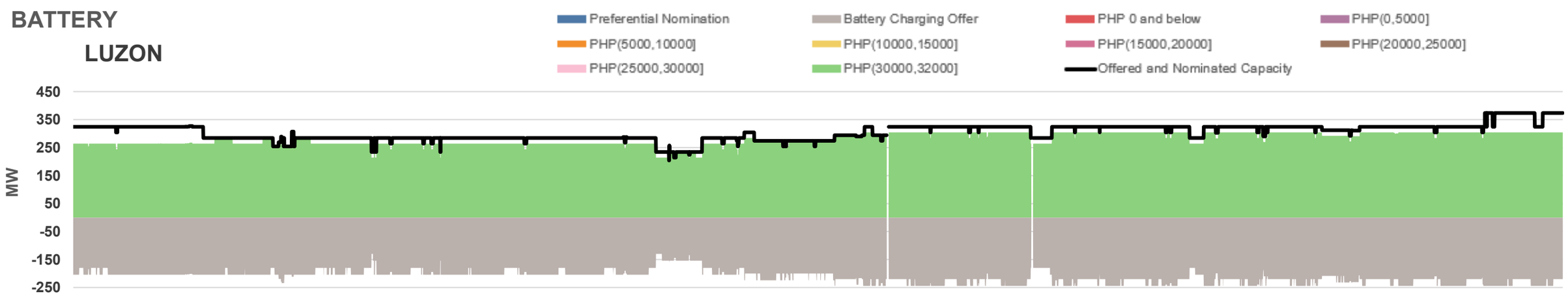
MARKET OUTCOME
OFFERS

26 May - 25 June 2025

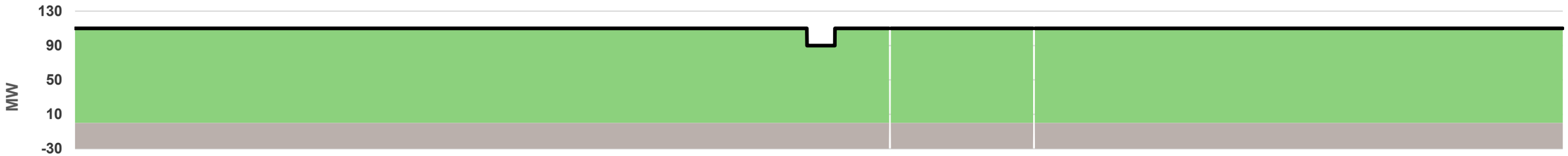
Philippine Electricity Market Corporation

BATTERY

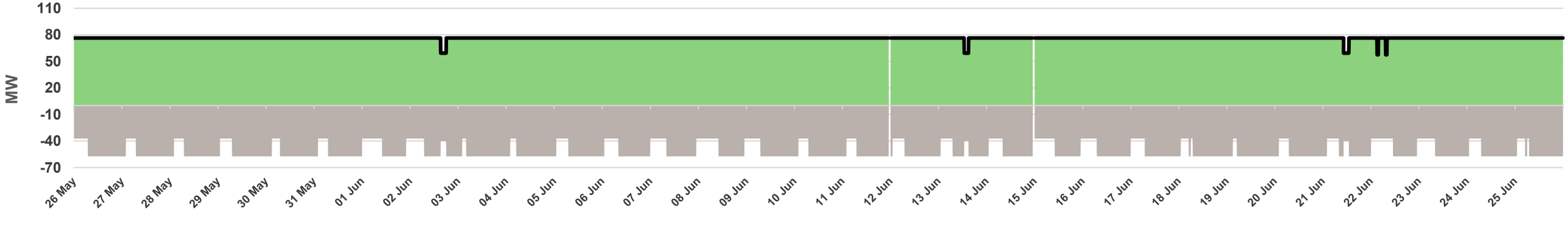
LUZON



VISAYAS



MINDANAO



PUBLIC

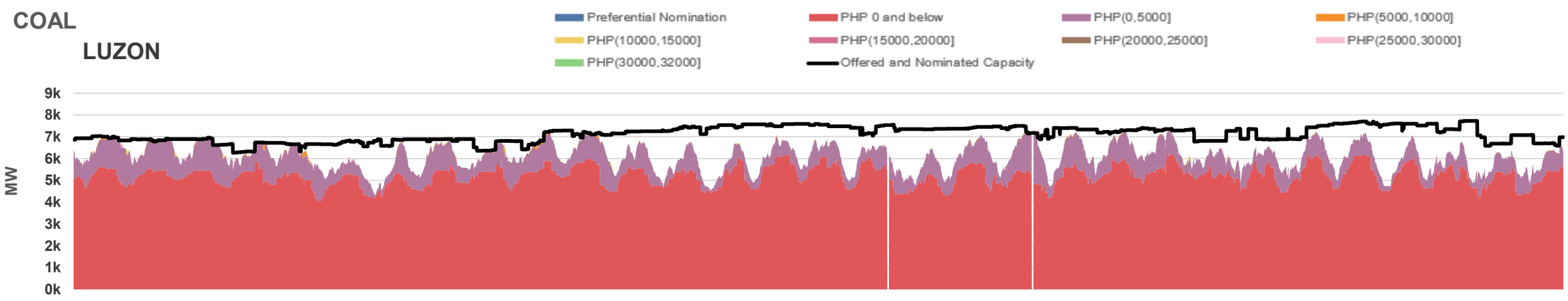
MARKET OUTCOME
OFFERS

26 May - 25 June 2025

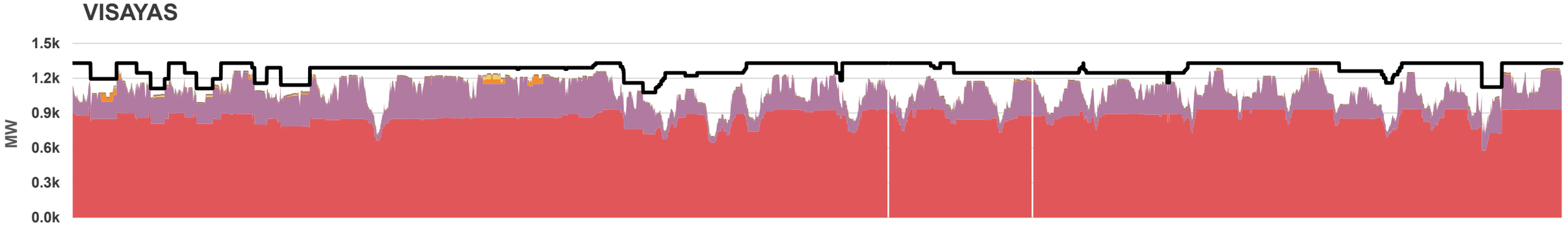
Philippine Electricity Market Corporation

COAL

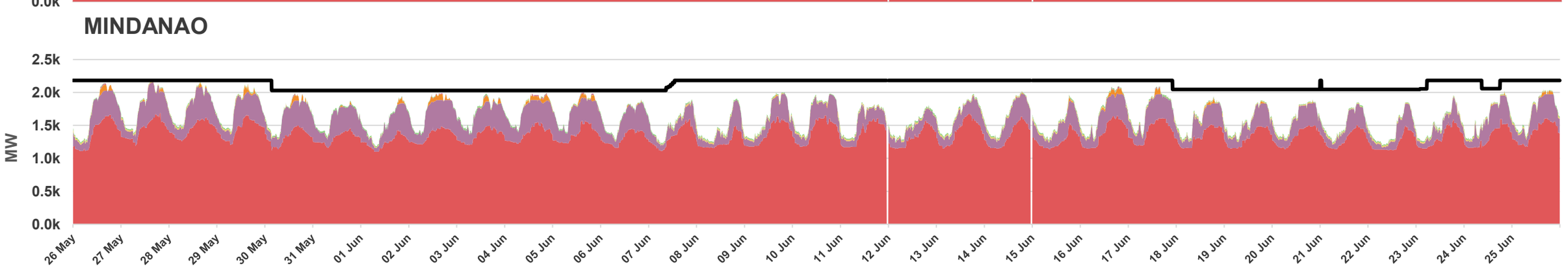
LUZON



VISAYAS



MINDANAO



PUBLIC

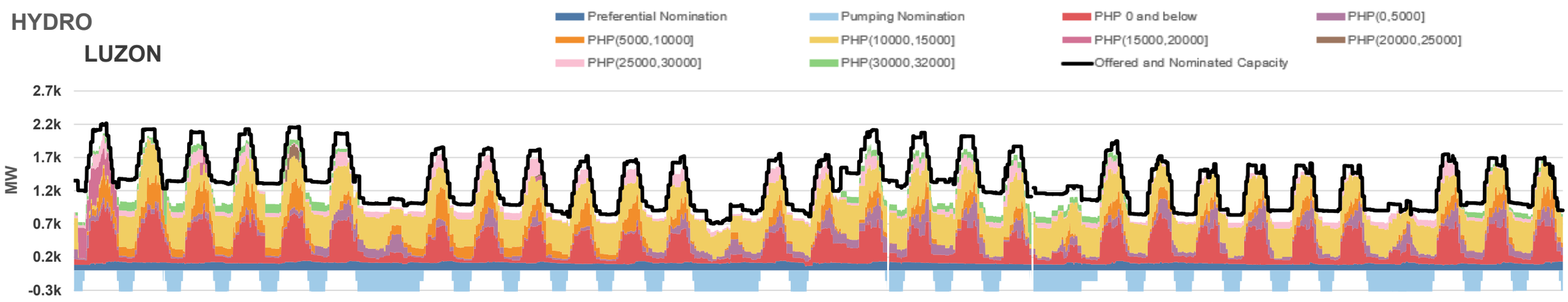
MARKET OUTCOME
OFFERS

26 May - 25 June 2025

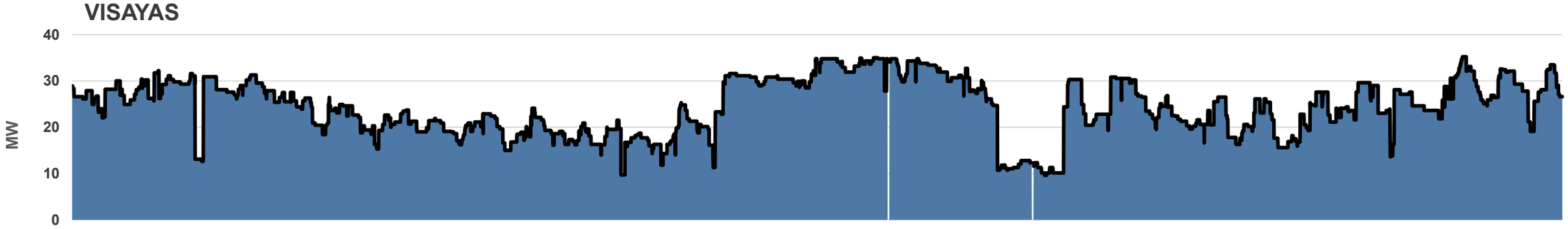
Philippine Electricity Market Corporation

HYDRO

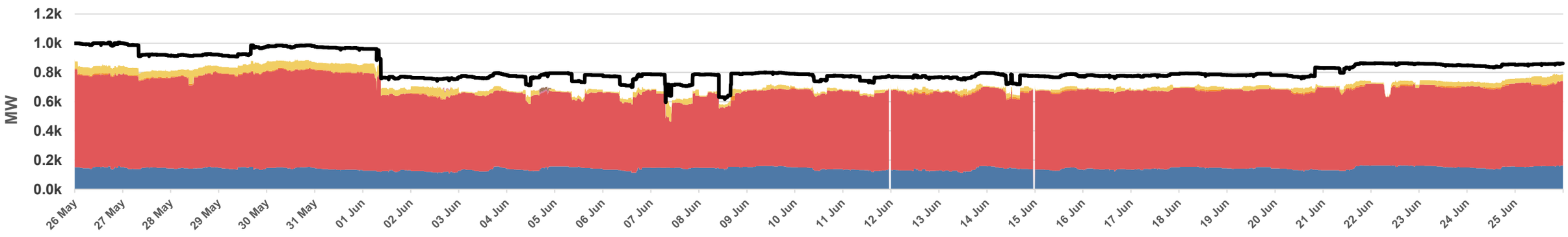
LUZON



VISAYAS



MINDANAO



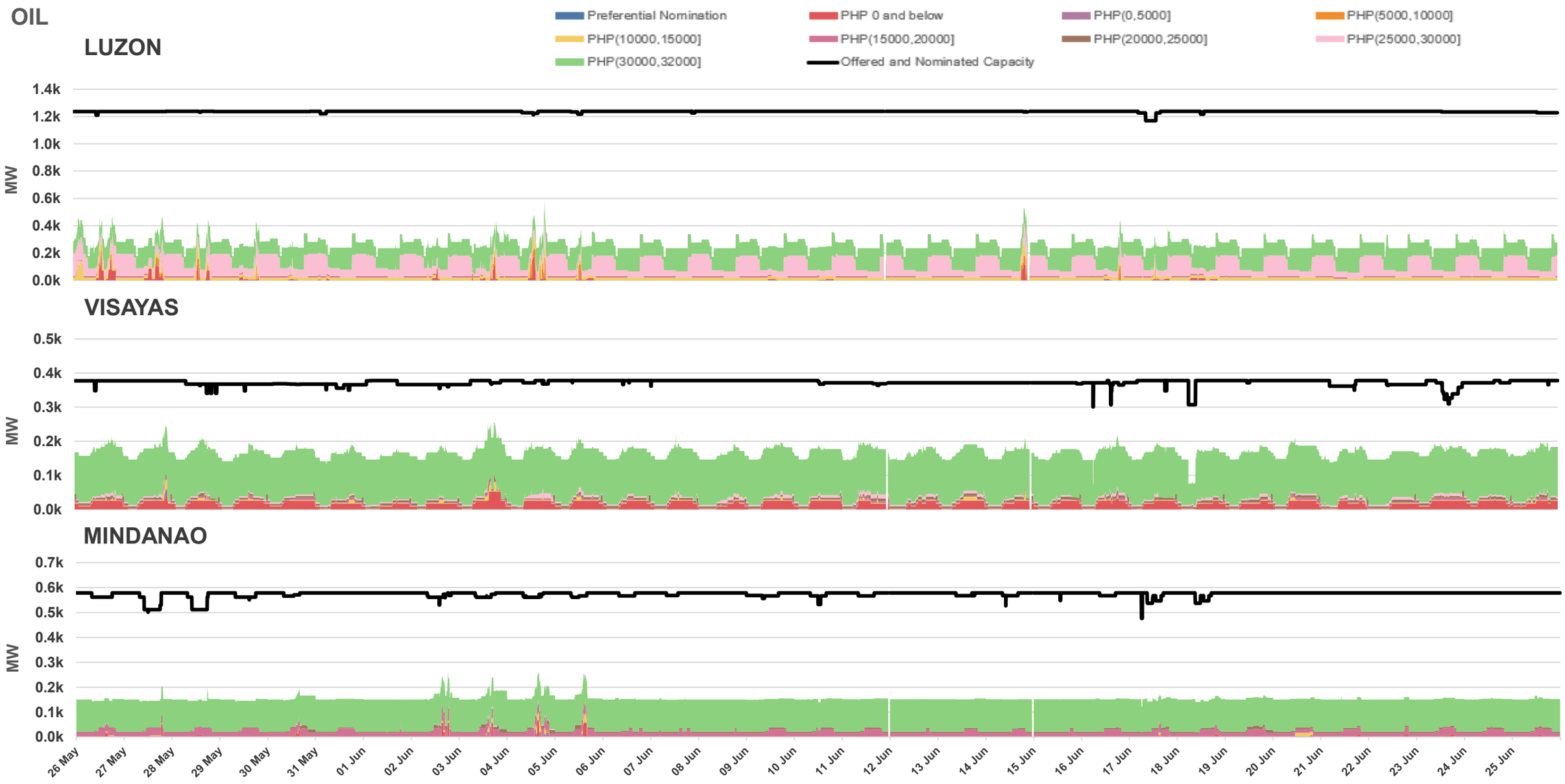
PUBLIC

MARKET OUTCOME
OFFERS
26 May - 25 June 2025

Philippine Electricity Market Corporation

OIL

LUZON



PUBLIC

RESERVE MARKET

AT A GLANCE

26 May - 25 June 2025

Reserve Total Registered Capacity (in MW)

5,313.50

18% of the total Registered Capacity

Previous Month: 5,232.90

1.54%▲

		LUZON		VISAYAS		MINDANAO	
		Max Registered Capacity per Reserve Category (in MW)	Average Price (in PHP/MWh)	Max Registered Capacity per Reserve Category (in MW)	Average Price (in PHP/MWh)	Max Registered Capacity per Reserve Category (in MW)	Average Price (in PHP/MWh)
Regulating	Up	2,138.60	8,731.32	219.60	23,984.43	481.50	24,744.98
	Down		9,093.48		22,996.98		24,745.00
Contigency		2,401.90	4,721.97	327.20	5,118.89	839.80	1,317.78
Dispatchable		2,619.00	777.97	326.50	5,075.07	498.60	2.29

PUBLIC

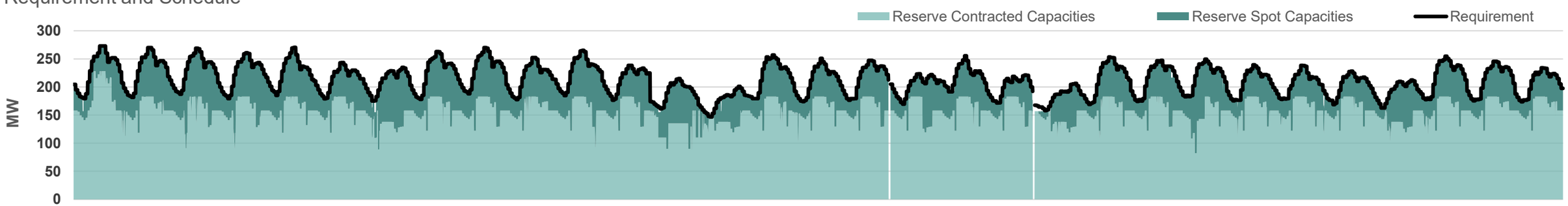
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

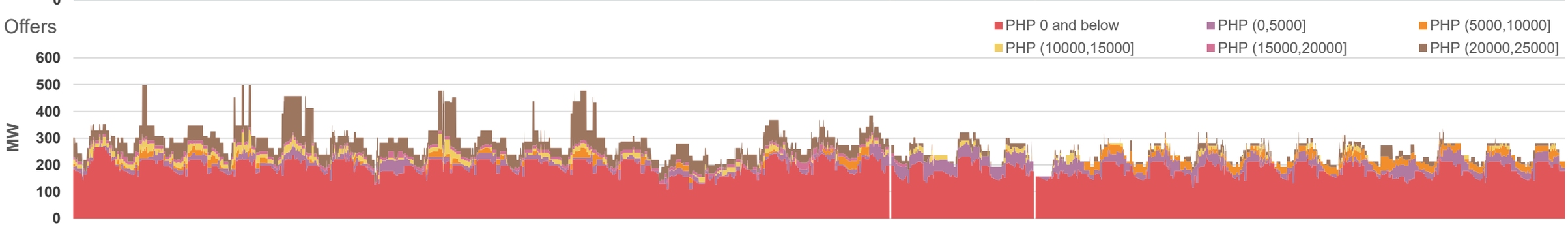
Philippine Electricity Market Corporation

LUZON - REGULATING UP

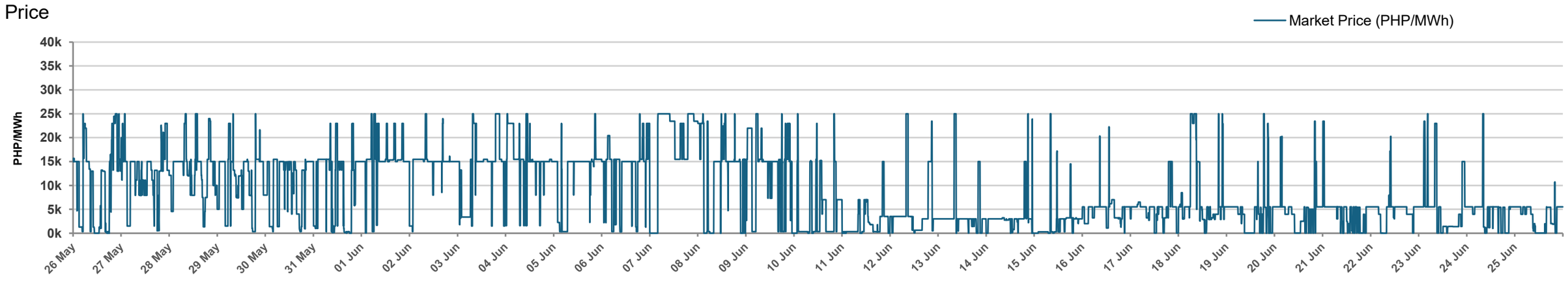
Requirement and Schedule



Offers



Price



PUBLIC

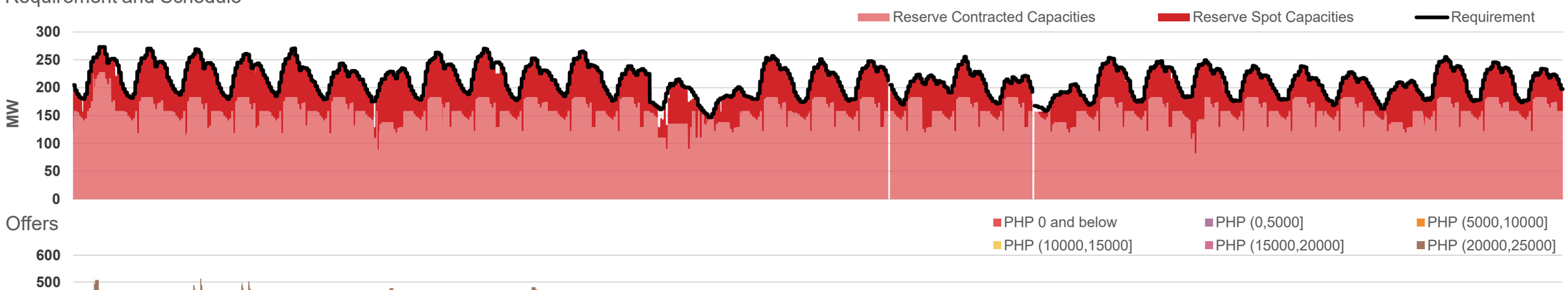
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

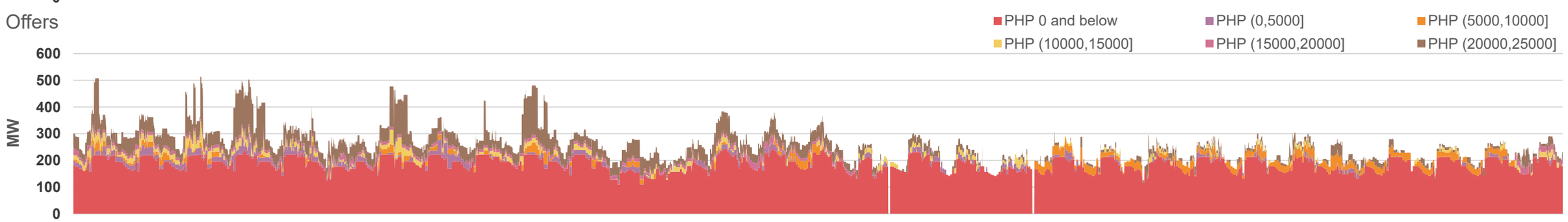
Philippine Electricity Market Corporation

LUZON - REGULATING DOWN

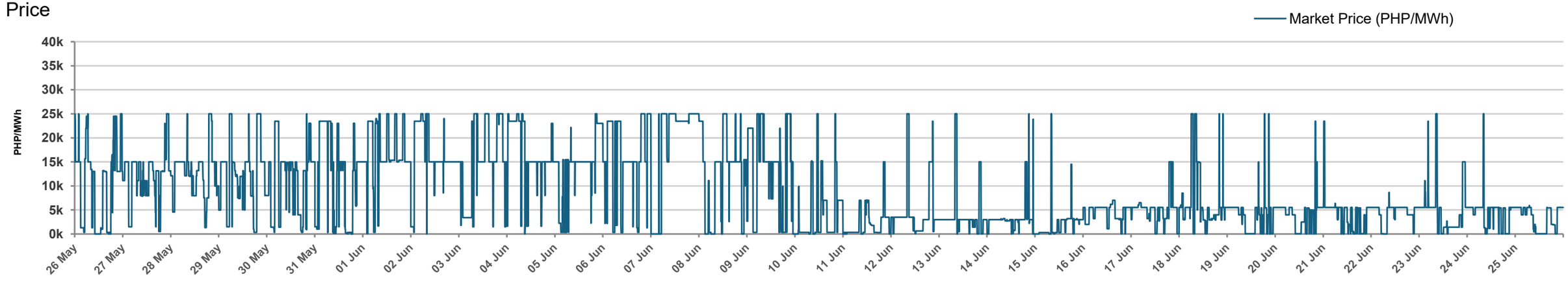
Requirement and Schedule



Offers



Price



PUBLIC

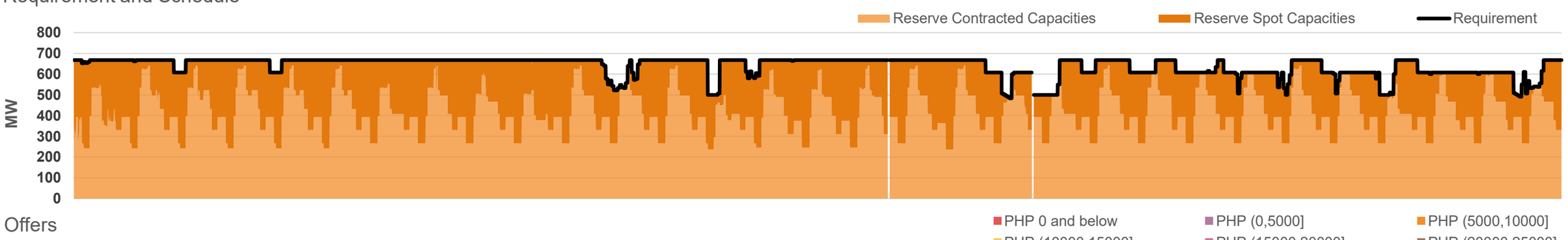
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

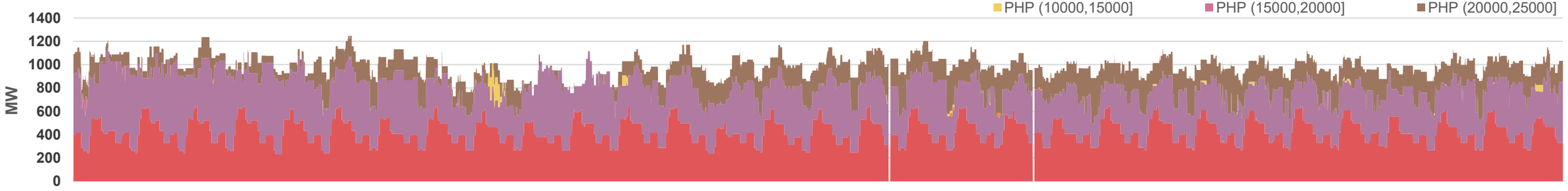
Philippine Electricity Market Corporation

LUZON - CONTINGENCY

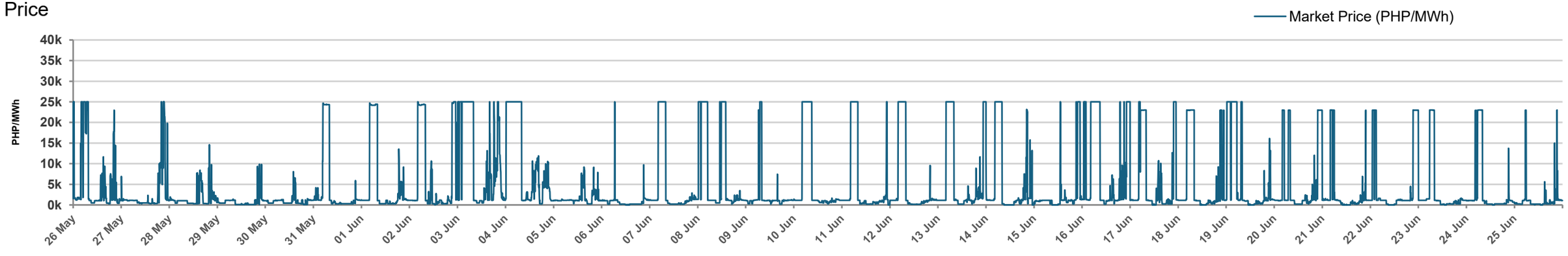
Requirement and Schedule



Offers



Price



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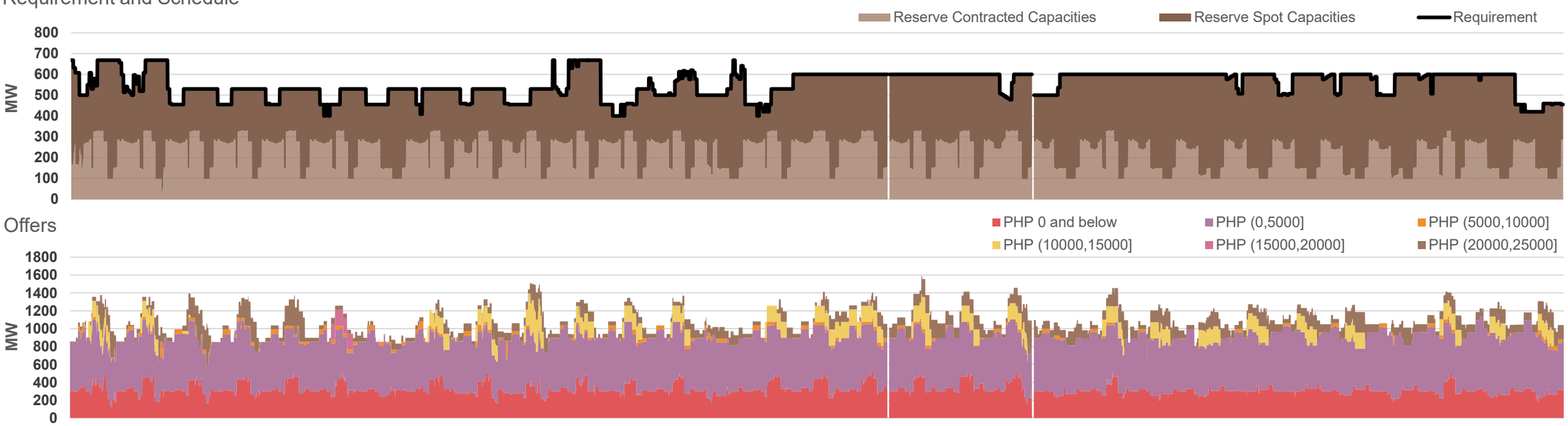
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

Philippine Electricity Market Corporation

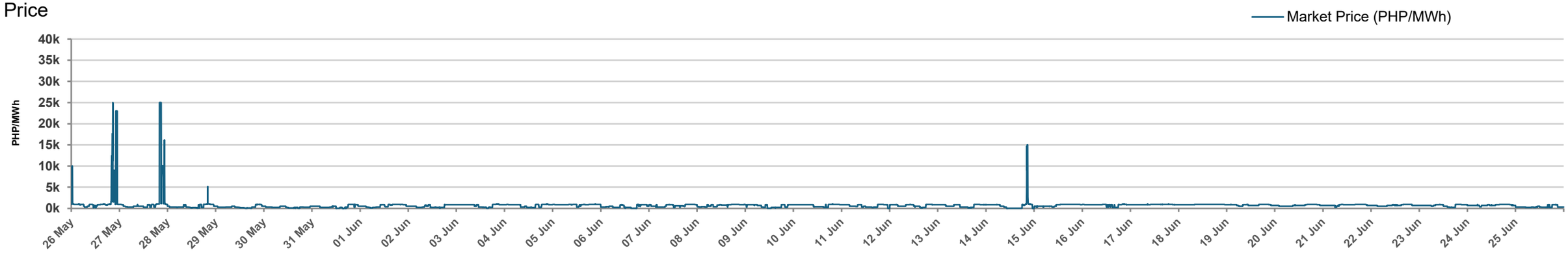
LUZON - DISPATCHABLE

Requirement and Schedule



Offers

Price



PUBLIC

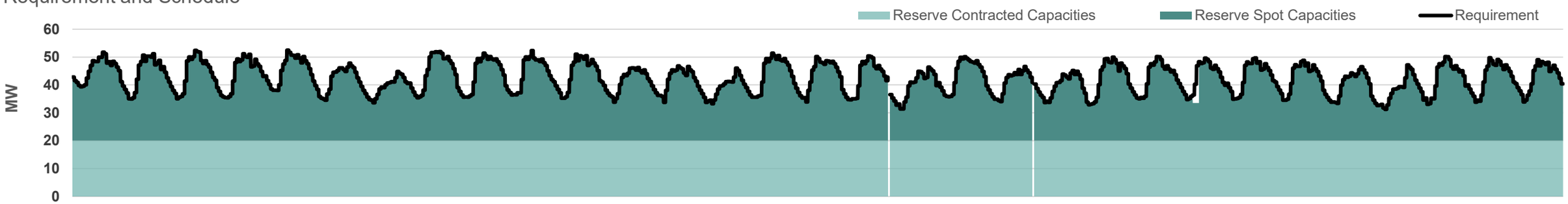
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

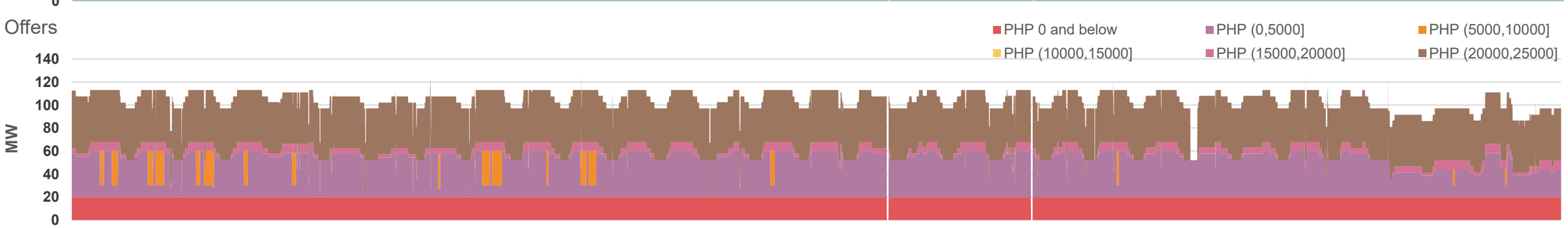
Philippine Electricity Market Corporation

VISAYAS - REGULATING UP

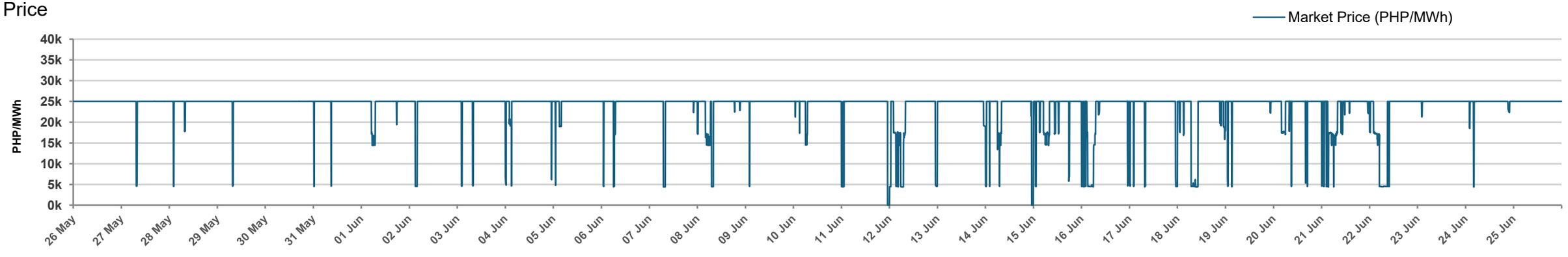
Requirement and Schedule



Offers



Price



PUBLIC

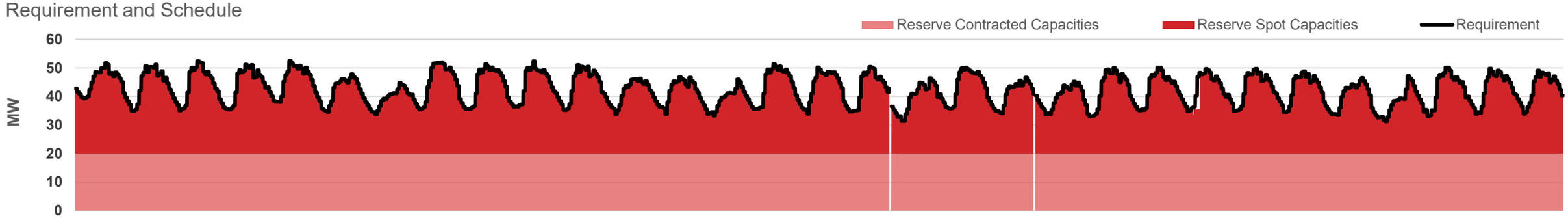
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

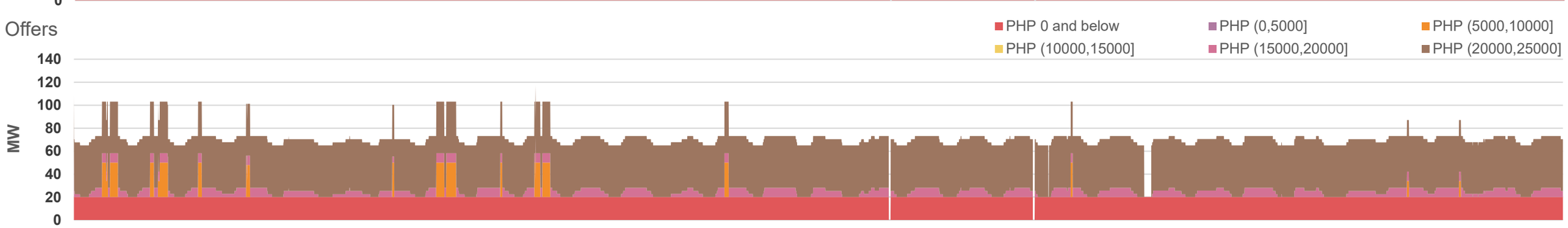
Philippine Electricity Market Corporation

VISAYAS - REGULATING DOWN

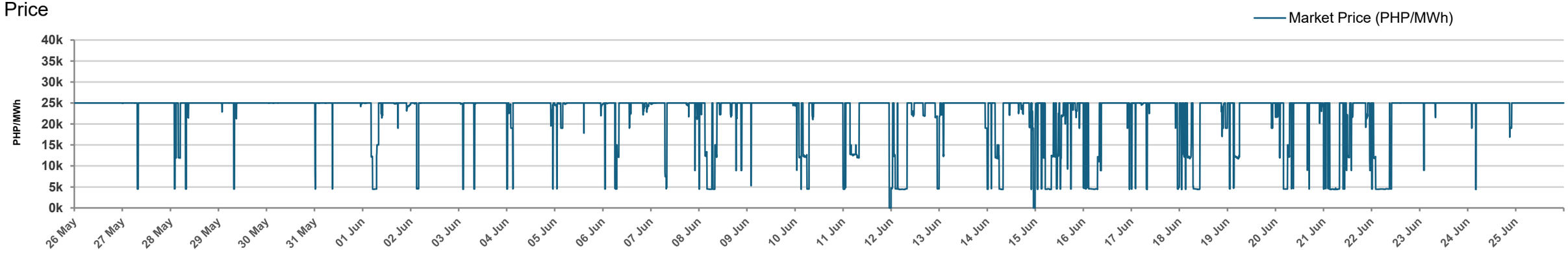
Requirement and Schedule



Offers



Price



PUBLIC

MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

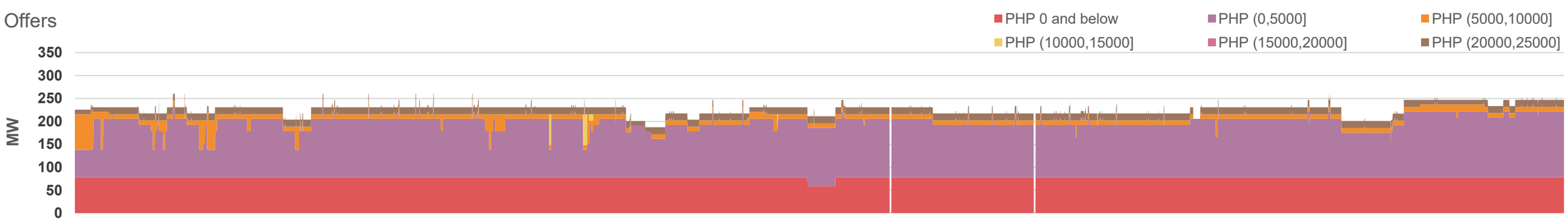
Philippine Electricity Market Corporation

VISAYAS - CONTINGENCY

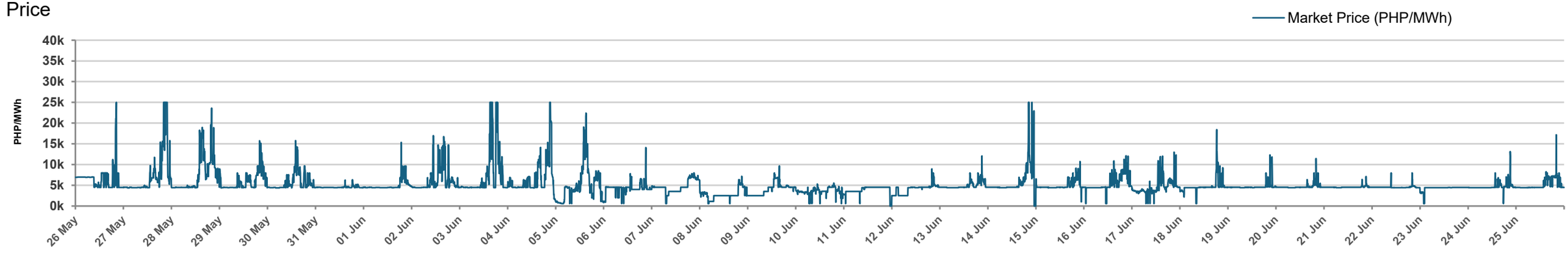
Requirement and Schedule



Offers



Price



PUBLIC

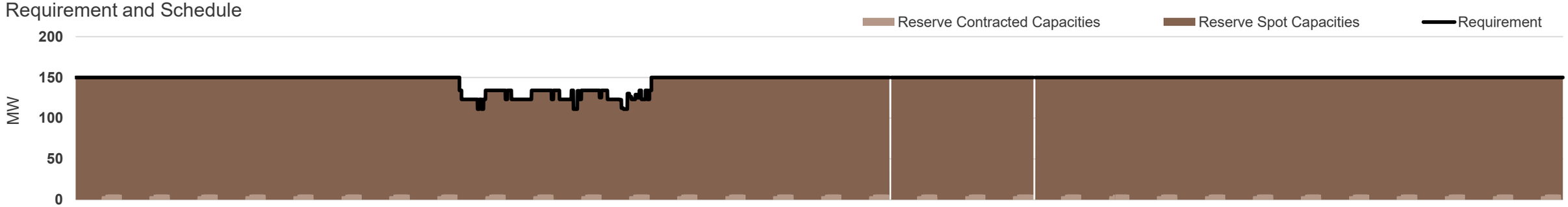
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

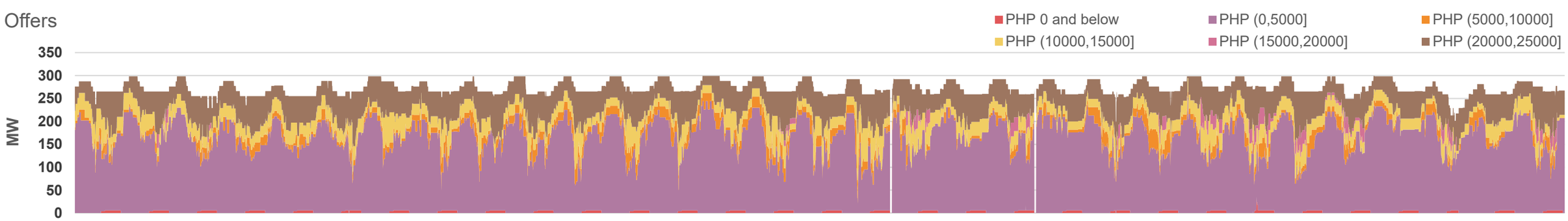
Philippine Electricity Market Corporation

VISAYAS - DISPATCHABLE

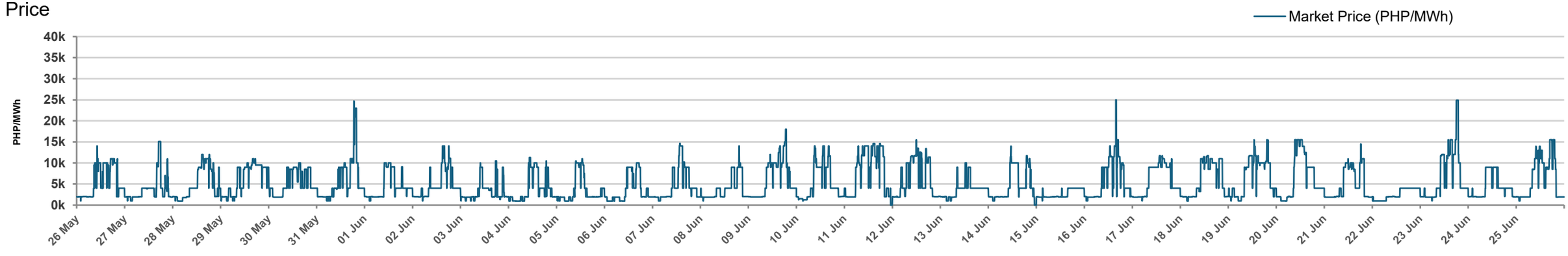
Requirement and Schedule



Offers



Price



PUBLIC

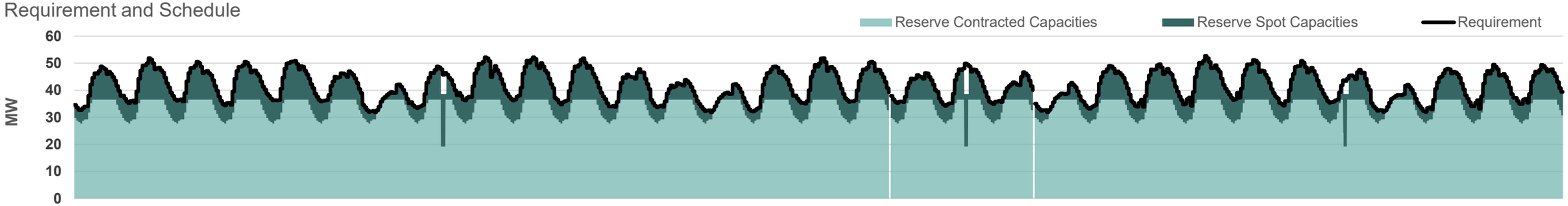
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

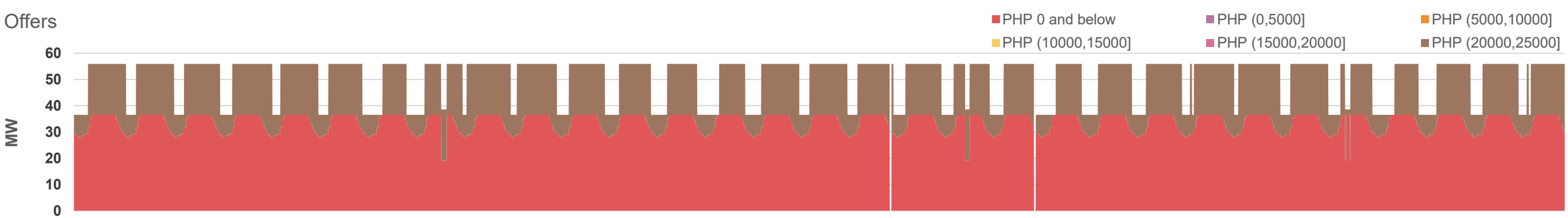
Philippine Electricity Market Corporation

MINDANAO - REGULATING UP

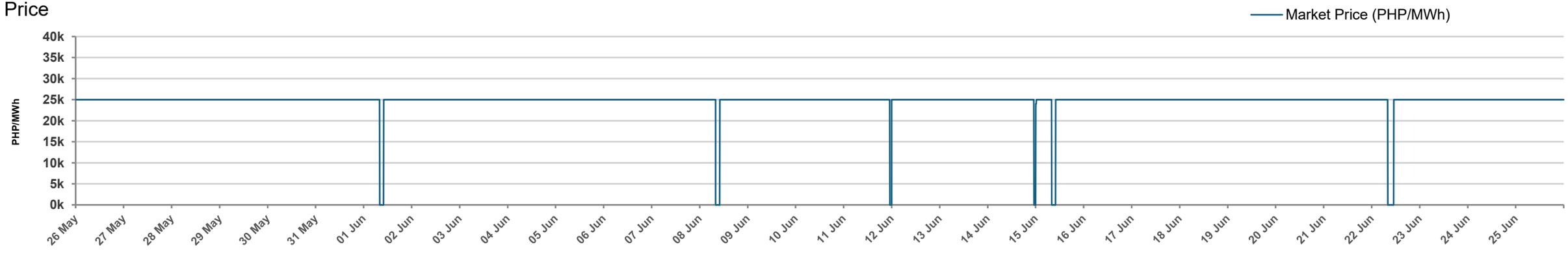
Requirement and Schedule



Offers



Price



PUBLIC

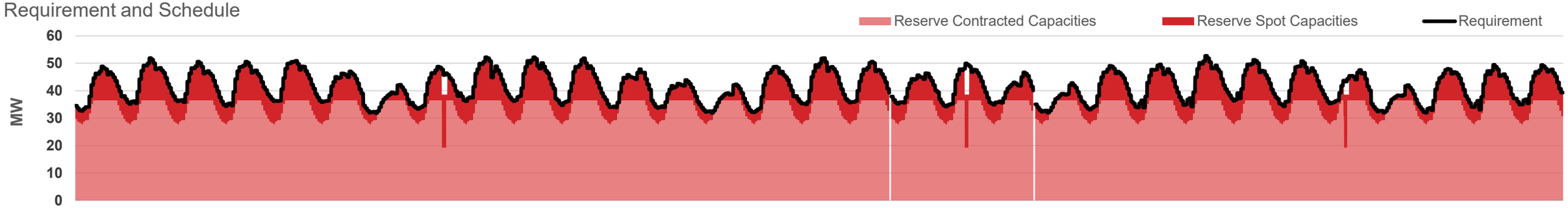
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

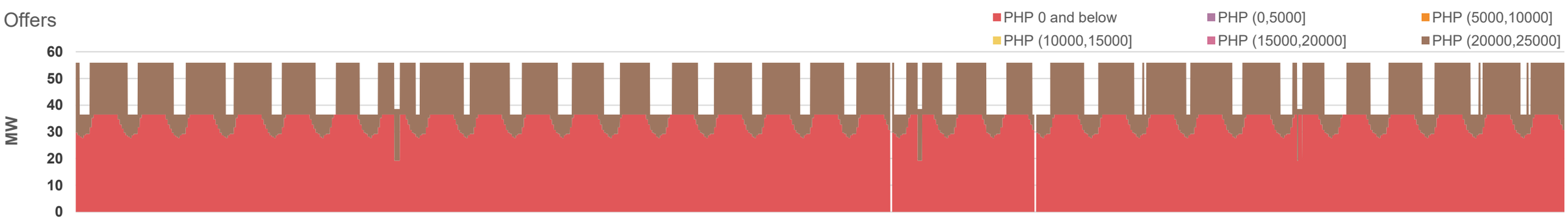
Philippine Electricity Market Corporation

MINDANAO - REGULATING DOWN

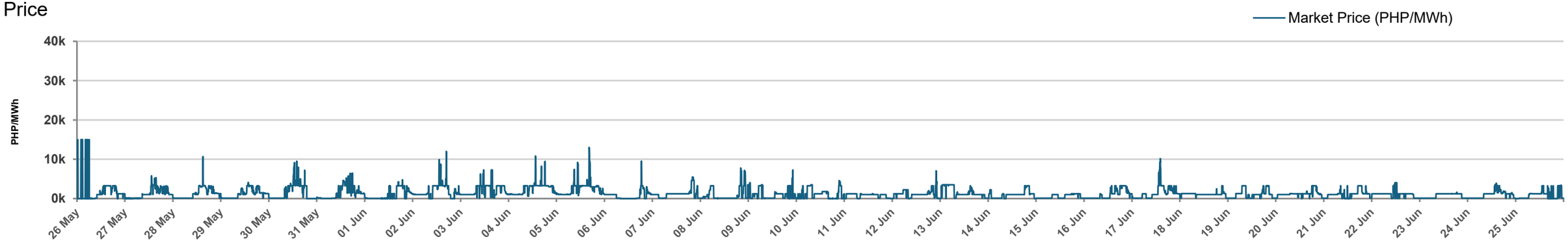
Requirement and Schedule



Offers



Price



PUBLIC

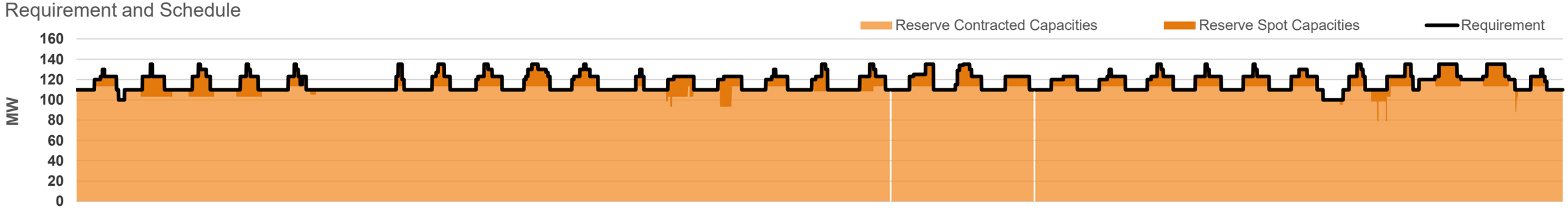
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

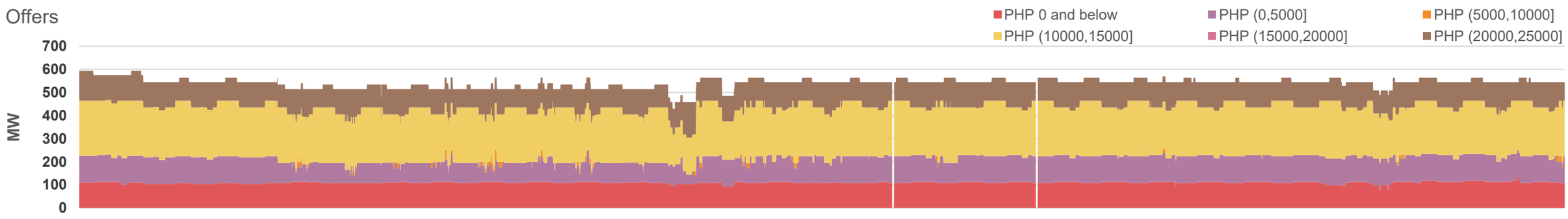
Philippine Electricity Market Corporation

MINDANAO - CONTINGENCY

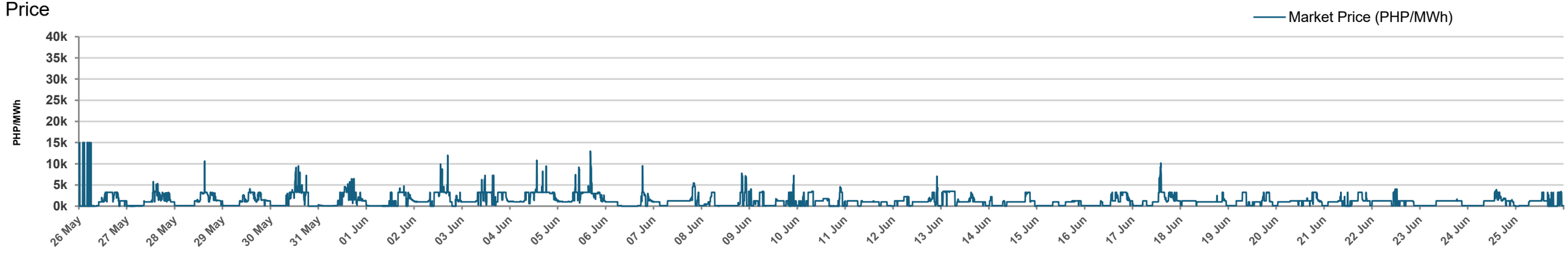
Requirement and Schedule



Offers



Price



PUBLIC

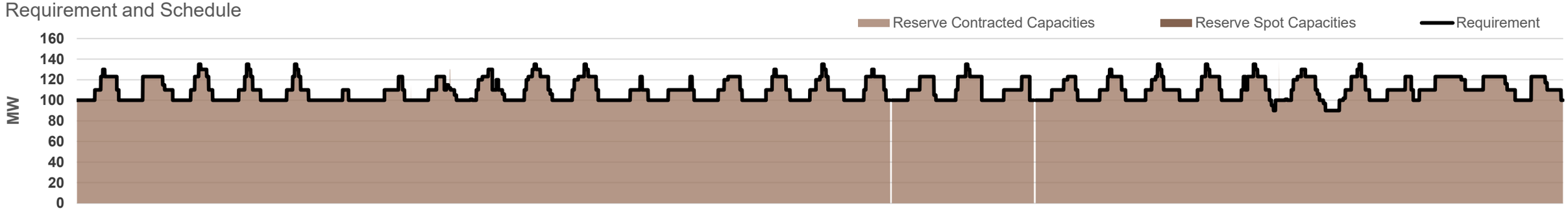
MARKET OUTCOME
RESERVE MARKET

26 May - 25 June 2025

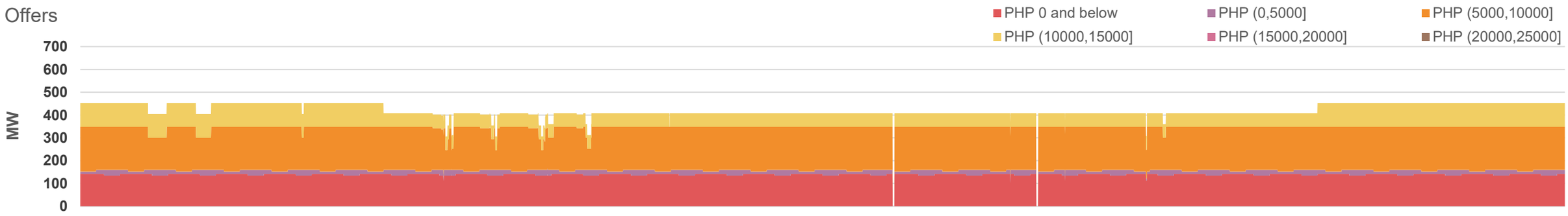
Philippine Electricity Market Corporation

MINDANAO - DISPATCHABLE

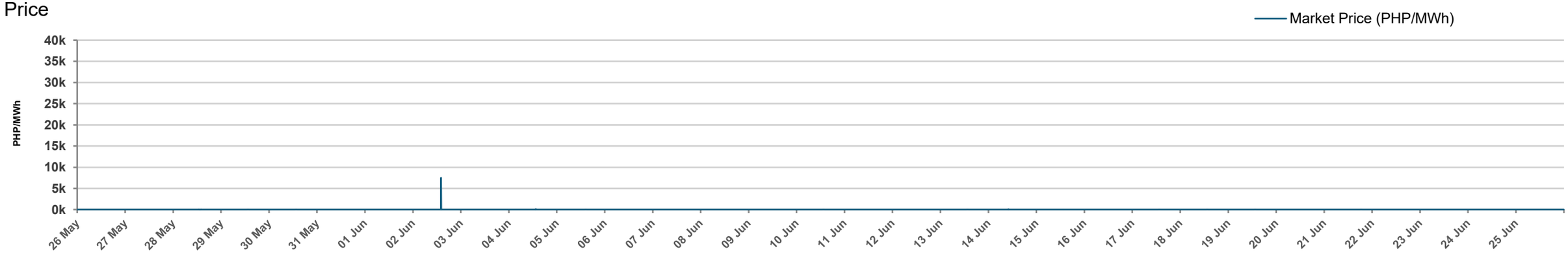
Requirement and Schedule



Offers



Price



PUBLIC

MARKET OUTCOME
RESERVE MARKET
26 May - 25 June 2025

Philippine Electricity Market Corporation

Particulars	Reserve Schedule				Reserve Requirement Gap				Month-on-Month % Change	Market Price (in PHP/MWh)			Month-on-Month % Change
	Reserve Contracted Capacities		Reserve Spot Capacities										
	Average Capacity (in MW)	% Share	Average Capacity (in MW)	% Share	Min (in MW)	Max (in MW)	(Total no. of Interval/s)	(% of Time)		Min	Max	Ave	
Regulating Up													
Luzon	157.42	74%	56.11	26%	0.10	32.20	337	4%	85.13%▼	0.00	25,000.00	8,731.32	21.60%▼
Visayas	20.00	47%	22.59	53%	0.05	40.35	1,852	21%	61.16%▼	4,410.00	25,000.00	23,984.43	1.23%▼
Mindanao	33.39	80%	22.59	54%	0.01	11.33	4,245	48%	0.83%▲	0.00	25,000.00	24,744.98	0.27%▲
Regulating Down													
Luzon	157.87	74%	55.26	26%	0.10	56.50	448	5%	79.87%▼	0.00	25,000.00	9,093.48	23.22%▼
Visayas	20.00	47%	22.59	53%	0.05	40.35	2,549	29%	142.07%▲	4,410.00	25,000.00	22,996.98	2.49%▼
Mindanao	33.39	80%	8.24	20%	0.01	11.33	4,245	48%	0.83%▲	0.00	25,000.00	24,745.00	0.27%▲
Contigency													
Luzon	418.31	65%	221.39	35%	0.10	24.40	50	0.01	85.84%▼	0.00	25,000.00	4,721.97	79.04%▲
Visayas	77.71	52%	72.29	48%	0.10	150.00	41	0.00	192.86%▲	600.00	25,000.00	5,118.89	62.10%▲
Mindanao	109.47	94%	7.57	6%	0.10	0.10	7	0.00	97.02%▼	0.00	15,000.00	1,317.78	79.08%▲
Dispatchable													
Luzon	225.30	41%	328.25	59%	0.10	0.10	5	0%	99.17%▼	0.00	25,000.00	777.97	0.57%▲
Visayas	2.41	2%	144.65	98%	0.03	150.00	532	6%	15.82%▼	936.00	24,989.00	5,075.07	7.59%▲
Mindanao	109.54	100%	0.10	0%	0.10	0.30	288	3%	44.08%▼	0.00	7,500.00	2.29	1.53%▲

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ANNEX
OUTAGE SUMMARY
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Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Luzon			
BAT	01MAGAPIT_BAT	40	5/1/2025 18:21			Forced	Waiting for testing and commissioning schedule.
BAT	01SNMAN_BAT	50	6/7/2025 5:02	6/8/2025 3:00	1	Forced	Affected by the planned shutdown of San Manuel 300MVA T02.
BAT	03LUMBAN_BAT	50	12/24/2024 0:16	6/24/2025 9:40	182	Maintenance	Ongoing testing and commissioning.
BIOF	01CAGBIO_G01	13.5	5/30/2025 22:03	6/1/2025 20:54	2	Forced	Emergency shutdown due to abnormal noise at hydraulic drive.
BIOF	01GIFT_G01	12	5/27/2025 0:00	5/30/2025 0:12	3	Forced	Tripped due to low voltage.
BIOF	01GIFT_G01	12	6/21/2025 10:31	6/22/2025 18:52	1	Forced	Tripped due to boiler feed water trouble.
BIOF	01GIFT_G02	6	5/3/2025 0:00			Forced	Extended outage
BIOF	01GRGOLD_G01	10.8	6/19/2025 5:21	6/20/2025 9:01	1	Forced	Emergency shutdown due to drive belt fan problem
BIOF	01IPOWER_G01	10.8	6/20/2025 0:01			Maintenance	To conduct PMS
BIOF	01IPOWER_G02	10.8	5/18/2025 19:01	6/16/2025 8:01	29	Forced	Emergency shutdown due to Electrostatic Precipitator trouble
BIOF	01TRUSTBIO_G01	1.7	5/5/2025 16:15	5/28/2025 10:54	23	Forced	Emergency shutdown due to Unusual sound on Main Genset
BIOF	01TRUSTBIO_G01	1.7	6/19/2025 19:22	6/20/2025 1:57	1	Forced	Tripped. Reason to be determined.
BIOF	01VSGRIP_G01	5.4	6/8/2025 18:16	6/10/2025 8:01	2	Forced	Fuel system trouble.
COAL	01GNPD_U01	668	5/28/2025 23:46	6/4/2025 13:51	7	Forced	Emergency shutdown due to boiler air preheater A high vibration.
COAL	01GNPD_U02	668	6/24/2025 4:55			Forced	IP turbine stress circulation trouble
COAL	01MARVEL_G02	316	5/30/2025 18:00			Forced	Cooling water Condenser pump tripped.
COAL	01MPGC_U04	137	6/5/2025 17:04	6/11/2025 18:13	6	Forced	Boiler tube leak.
COAL	01MSINLO_G02	322.7	6/17/2025 12:12	6/20/2025 12:23	3	Forced	Tripped due to activation of differential protection for Unit 2 Auxiliary Transformer.
COAL	01PETRON_G01	35	5/31/2025 19:09	6/14/2025 2:53	14	Forced	Forced outage furnace pressure low due to damaged IDF motion converter
COAL	01SUAL_G02	647	5/25/2025 0:47	5/30/2025 18:33	5	Forced	Boiler tube leak
COAL	03CALACA_G01	240	5/24/2025 15:36	5/31/2025 12:21	7	Forced	Suspected boiler tube leak.
COAL	03CALACA_G02	300	6/12/2025 2:51	6/16/2025 18:42	4	Forced	Boiler tube leak.
COAL	03SLPGC_G01	150	5/30/2025 20:52	6/13/2025 13:12	14	Forced	Boiler tube leak.
COAL	03SLPGC_G01	150	6/14/2025 10:04	6/21/2025 8:39	7	Forced	Emergency shutdown due to suspected coal coking.
COAL	03SLPGC_G02	149.6	6/22/2025 4:08			Forced	Boiler tube leak.
COAL	03SLTEC_G01	122	5/23/2025 4:07	5/29/2025 1:28	6	Forced	Emergency shutdown due to boiler tube leak
HYD	01AMBUK_U01	37.5	6/5/2025 8:06	6/10/2025 22:48	5	Planned	APM until June 11, 2025.
HYD	01AMBUK_U01	37.5	6/13/2025 8:01	6/23/2025 16:36	10	Planned	Trash rack installation until June 23, 2025.

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Luzon			
HYD	01AMBUK_U02	37.5	6/13/2025 8:01	6/23/2025 23:45	10	Planned	Trash rack installation until June 23, 2025.
HYD	01AMBUK_U03	37.5	6/13/2025 8:01	6/23/2025 19:32	10	Planned	Trash rack installation until June 23, 2025.
HYD	01BAKUN_G01	37	5/25/2025 5:38			Forced	Affected by Planned outage of Bauang-Bakun-San Esteban 230kV Lines.
HYD	01MARIS_U01	4.3	6/15/2025 17:51	6/16/2025 12:16	1	Forced	Emergency shutdown due to drowning incident at down stream
HYD	01MARIS_U02	4.3	6/15/2025 19:11	6/16/2025 12:16	1	Forced	Emergency shutdown due to drowning incident at down stream
HYD	01NMHC_G01	3.9	6/1/2025 20:38	6/2/2025 0:52	1	Forced	Affected by a line fault outside the AOR of Hedcor.
HYD	01NMHC_G03	1.2	6/1/2025 20:38	6/2/2025 0:55	1	Forced	Affected by a line fault outside the AOR of Hedcor.
HYD	01PNTBNG_U01	60	6/7/2025 15:03	6/9/2025 9:10	2	Forced	Due to turbine guide bearing contamination - Mr. Peres
HYD	01SROQUE_U01	145	6/1/2025 0:00	6/11/2025 0:00	10	Planned	Planned Outage until June 15, 2025.
HYD	01SROQUE_U02	145	6/1/2025 0:00	6/11/2025 0:00	10	Planned	Planned Outage until June 15, 2025.
HYD	01SROQUE_U03	145	6/1/2025 0:00	6/11/2025 0:00	10	Planned	Planned Outage until June 15, 2025.
HYD	01SROQUE_U03	145	6/16/2025 0:01	6/26/2025 0:00	10	Planned	Planned outage
HYD	03BALUG_G01	1.1	5/31/2025 7:05	6/1/2025 17:40	1	Forced	Unplanned outage to facilitate replacement of LBS.
HYD	03BOTOCA_G01	0.8	5/26/2025 8:00	5/30/2025 19:15	4	Maintenance	Maintenance outage until May 30, 2025.
HYD	03CALIRY_G01	19.45	5/26/2025 18:07	5/27/2025 8:00	1	Forced	Tripped due to abnormal level of oil.
HYD	03KAL_G03	181.4	6/17/2025 0:00	6/21/2025 19:36	4	Planned	Planned outage until June 21, 2025.
HYD	03KAL_G04	185	6/24/2025 0:00			Planned	Planned outage until June 28, 2025.
NATG	03EERI_G01	420.6	5/25/2025 19:55	5/29/2025 12:24	4	Forced	Emergency shutdown due to HP control valve trouble.
NATG	03EERI_G02	421.9	5/29/2025 16:52	6/1/2025 10:02	3	Forced	Unplanned shutdown to facilitate rectification of high-pressure level control valve problem.
NATG	03EERI_G03	440	6/3/2025 17:29	6/4/2025 14:03	1	Forced	False alarm on turbine fire protection
NATG	03EERI_G03	440	6/4/2025 16:50	6/5/2025 17:23	1	Forced	Tripped due to gas detection system collective fault.
NATG	03EERI_G03	440	6/16/2025 10:32	6/23/2025 21:37	7	Forced	Circulating water discharge line leak
NATG	03ILIJAN_G02	190	6/20/2025 23:37	6/23/2025 14:26	3	Forced	Borescope Inspection
NATG	03ILIJAN_G02	190	6/14/2025 0:38	6/17/2025 13:17	3	Forced	GT borescope inspection
NATG	03STA-RI_G06	265	5/31/2025 23:42	6/1/2025 20:44	1	Maintenance	Maintenance Outage until June 1, 2025
OIL	03MALAYA_G01	300	5/3/2019 18:21			Forced	Declared unavailable due to motorization of unit generator caused by the non-opening of phase B of PCB 8-05CB08MAL

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Luzon							
OIL	03MALAYA_G02	130	7/24/2024 21:24			Forced	Tripped due to loss prime of CWP
SOLR	01CONSOL_G01	76	6/6/2025 20:14	6/7/2025 4:50	1	Maintenance	APMT of Substation equipment located in SPTC and Concepcion SS.
SOLR	01PAVGSOL_G01	16.2	6/16/2025 6:19	6/17/2025 1:14	1	Forced	Affected by the unplanned shutdown of Limay-Orion Solar 69kV line. (Customer Owned)
Visayas							
BIOF	06BISCOM_G01	12.7	5/26/2025 10:14	5/27/2025 8:17	1	Forced	Shutdown to conduct corrective maintenance.
BIOF	06FFHC_G01	9	5/26/2025 8:08	5/27/2025 15:25	1	Forced	Shutdown due to weekly maintenance.
BIOF	06FFHC_G01	9	6/2/2025 17:06	6/3/2025 7:35	1	Forced	Shutdown due to weekly maintenance.
BIOF	06FFHC_G01	9	6/9/2025 16:30	6/10/2025 9:31	1	Forced	Shutdown due to weekly maintenance.
BIOF	06HPCO_G01	2	11/12/2023 20:00			Forced	Defective auxiliary of vibration meter.
BIOF	06HPCO_G02	9.5	5/24/2025 22:33	5/26/2025 21:29	2	Forced	Weekly maintenance shutdown.
BIOF	06HPCO_G02	9.5	6/2/2025 9:20	6/3/2025 1:07	1	Forced	Weekly maintenance
BIOF	06NTNEGB_G01	25	5/14/2025 19:34	6/8/2025 17:31	25	Forced	Shutdown due to conveyor problem.
BIOF	06SCBE_G01	7.4	3/31/2023 10:35			Forced	Plant shutdown
BIOF	06URC_G01	30	6/3/2025 8:48	6/7/2025 10:30	4	Forced	Emergency shutdown due to conveyor problem
BIOF	06URC_G01	16	6/1/2025 22:24	6/2/2025 3:51	1	Forced	Emergency shutdown due to boiler problem.
BIOF	06URC_G01	16	6/14/2025 19:19			Forced	Emergency shutdown due to turbine problem.
BIOF	06VMC_G01	2.5	4/21/2024 16:20			Forced	Weekly maintenance.
BIOF	06VMC_G02	35	5/29/2025 22:22	5/30/2025 6:43	1	Forced	Emergency shutdown due to conveyor problem.
BIOF	08CASA_G01	8	6/20/2025 8:20			Forced	End of export power for CY 2024-2025
BIOF	08CASA_G02	7	6/19/2025 15:06			Forced	Due to end of export power for unit 2 crop year 2024-2025.
COAL	05THVI_U02	169	6/6/2025 11:13	6/7/2025 2:56	1	Forced	Unit tripped with LP heater exhaust temperature high high.
COAL	08PEDC_U01	83.7	6/13/2025 8:23	6/15/2025 22:24	2	Forced	Loss of fuel trip due to low furnace temperature.
COAL	08PEDC_U01	83.7	6/16/2025 2:09	6/18/2025 2:59	2	Forced	Emergency cut-out due to unstable furnace combustion.
COAL	08PEDC_U02	83.7	6/6/2025 22:01	6/8/2025 22:55	2	Forced	Emergency shutdown due to immediate repair of feed water system leakage.
GEO	04BILGPP_G01	1	10/5/2024 4:39			Forced	Turbine high vibration trip
GEO	04LEYTE_A	77.5	7/8/2024 5:43			Forced	Due to high vibration
GEO	04LEYTE_A	30	10/23/2024 8:21			Maintenance	Emergency repair of air-cooled condenser

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Visayas							
GEO	04LEYTE_A	27.5	5/30/2025 23:11	6/25/2025 21:37	26	Forced	Due to condensate high level
GEO	04LEYTE_A	27.5	5/22/2025 5:12	5/26/2025 13:15	4	Forced	STG 40 shutdown to affect mitigating actions for STG 30 & 40Back Pressure Operation related issues
GEO	04LEYTE_A	27.5	6/25/2025 22:03			Forced	Due to start up valve and control valve problem.
GEO	04LGPP_G01	41	6/18/2025 5:30	6/21/2025 8:00	3	Forced	Emergency shutdown to conduct ultrasonic thickness gauging to check pipe condition of unit 1 steam line
GEO	04LGPP_G01	40.2	6/14/2025 5:31	6/16/2025 6:57	2	Forced	Emergency shutdown to perform Ultrasonic Thickness Gauging on steam piping from the scrubber outlet to the main steam turbine inlet.
GEO	04LGPP_G01	40.2	6/23/2025 13:30			Forced	Emergency shutdown to carry-out replacement of thinned-out piping from the scrubber outlet to main steam turbine outlet.
GEO	06BBGPP_G01	4.7	9/24/2024 19:57			Forced	Turbine tripped under test and commissioning.
GEO	06PAL1A_G01	37.5	5/28/2025 5:00	5/29/2025 2:09	1	Forced	Emergency shutdown to conduct rectification of generator terminal elevated temperature.
GEO	06PAL2A_U01	20	6/2/2025 6:01	6/4/2025 4:25	2	Forced	Emergency shutdown due to replacement of LRVP assembly and gear box.
GEO	06PAL2A_U02	20	6/3/2025 3:14	6/4/2025 0:55	1	Forced	Auto tripped with indication Mechanical Overspeed. Affected by tripping of Nasuji-Southern Negros BESS 138kV Line.
HYD	04UTH_G01	4.7	6/11/2025 6:04	6/23/2025 18:34	12	Forced	Affected schedule maintenance of 69kV Taft feeder.
HYD	04UTH_G01	4.7	6/7/2025 13:42	6/11/2025 6:40	4	Forced	Tripped due to turbine grease pump fault.
HYD	04UTH_G01	4.7	6/17/2025 13:18			Forced	Affected by tripping of 138kV Omoc-Babatngon line.
HYD	06AMLA_G01	0.45	5/12/2025 21:32	6/20/2025 21:48	39	Forced	Auto tripped.
HYD	06AMLA_G01	0.45	5/20/2025 9:03			Forced	Replacement of 13.8kV PCB at Amlan SS and replacement of 34.5kV LA for Amlan-APP
HYD	07SEVILL_G01	1.25	6/25/2025 18:36			Forced	Affected tripping of Feeder 14 Loay SS Boheco 1.
HYD	08SUWECO_G01	3.6	6/4/2025 14:05	6/10/2025 11:33	6	Forced	Shutdown for inspection.
HYD	08SUWECO_G01	3.6	6/19/2025 21:35	6/20/2025 13:05	1	Forced	Affected by a line fault along Bugasong-VHPP 69kV L (CO).
HYD	08SUWECO_G01	0.9	6/4/2025 19:15	6/10/2025 4:10	6	Forced	Auto tripped with indication Negative Phase Sequence
HYD	08TIMBA_G01	18	6/14/2025 16:44	6/15/2025 0:00	1	Forced	Approved shutdown as per VSO-PUSR-2025-039 (Forced Outage)
OIL	05CARMENDPP_U01	10	5/28/2025 7:34	5/31/2025 13:00	3	Forced	Unit unavailable due to heavy oil leak at generator bearing coupling side.
OIL	05CARMENDPP_U04	10	8/24/2024 0:00			Forced	Detached connecting rods and crank shaft for machining

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Visayas							
OIL	05CPPC_U02	6.5	6/10/2025 13:15	6/16/2025 21:45	6	Forced	Unable to cut-in unit due to lube oil pressure low shutdown
OIL	05CPPC_U02	6.5	6/23/2025 14:17	6/24/2025 16:01	1	Forced	Unit tripped due to leaking at cylinder head A6.
OIL	05EAUC_U01	11.5	5/13/2024 22:55			Forced	CYLINDER NO. 7 CRANKCASE EXPLOSION
OIL	05EAUC_U03	11.5	5/31/2025 11:05	6/1/2025 2:08	1	Forced	Unit failed to start due to central cooler water leak.
OIL	05EAUC_U03	11.5	6/1/2025 17:25	6/3/2025 6:16	2	Forced	Unit declared unavailable due to control cooler water leak.
OIL	05EAUC_U03	11.5	6/22/2025 9:45	6/23/2025 5:30	1	Forced	Water leak at cylinder B6
OIL	05TPVI_U01	5.5	3/31/2025 10:00			Deactivated Shutdo	Decommissioned
OIL	05TPVI_U02	5.5	3/31/2025 10:00			Deactivated Shutdo	Decommissioned
OIL	05TPVI_U03	5.5	3/31/2025 10:00			Deactivated Shutdo	Decommissioned
OIL	05TPVI_U04	5.5	3/31/2025 10:00			Deactivated Shutdo	Decommissioned
OIL	05TPVI_U05	5.5	3/31/2025 10:00			Deactivated Shutdo	Decommissioned
OIL	05TPVI_U06	5.5	3/31/2025 10:00			Deactivated Shutdo	Decommissioned
OIL	07BIDPP_G01	57	5/10/2025 9:05	6/12/2025 8:27	33	Forced	Implement maintenance of 13.8 KV switchgear
OIL	07BIDPP_G01	57	6/12/2025 16:37			Forced	Continue Implement maintenance of 13.8 KV switchgear
OIL	08STBPB1_U03	6	6/16/2025 15:06	6/17/2025 4:40	1	Forced	Unable to cut in due to excessive leak at steam line
SOLR	06CARSOL_G01	27.1	5/26/2025 13:44	5/27/2025 14:55	1	Forced	Isolated due to tripping of 69kV ISLASOL II Lateral Line.
SOLR	06CARSOL_G01	27.1	5/27/2025 17:40	5/28/2025 23:17	1	Forced	Isolated due to tripping of 69kV ISLASOL II Lateral Line.
WIND	08SLWIND_G01	52.9	6/21/2025 20:41	6/22/2025 11:15	1	Forced	Transformer relief trip
Mindanao							
BIOF	11CRYSSUG_G01	8	5/25/2025 0:00	5/26/2025 16:00	1	Forced	Weekend scheduled shutdown for factory equipment maintenance.
BIOF	11CRYSSUG_G01	8	6/1/2025 0:00	6/2/2025 16:00	1	Forced	Plant Shutdown to conserve steam. ETC June 2, 2025 @ 1600H.
BIOF	11CRYSSUG_G01	8	6/8/2025 0:00	6/9/2025 16:00	1	Forced	Affected by shutdown of sugar factory.
BIOF	11CRYSSUG_G01	8	6/15/2025 0:00	6/16/2025 16:00	1	Forced	Shutdown due to weekend shutdown preparations.
BIOF	11CRYSSUG_G01	8	6/22/2025 0:00	6/23/2025 16:00	1	Forced	Shutdown affected by factory equipment maintenance.
BIOF	14BIOMS_U01	5.7	10/8/2024 15:56			Forced	Tripped due to SOCOTECO 1 69KV(SRB)line power outage.
BIOF	14COTSUGR_G01	3.4	6/9/2025 21:22	6/10/2025 7:55	1	Forced	Total Plant shutdown due to Boiler #3 IDF bearing damaged.
BIOF	14LAMSAN_G01	15	6/12/2025 22:45	6/13/2025 2:05	1	Forced	Turbine tripped due to trouble at fuel handling section.
BIOF	14LAMSAN_G01	15	6/25/2025 14:16			Forced	Emergency shutdown due to Boiler Tube leaked.
COAL	10PPEI_U01	24.1	5/23/2025 20:11			Forced	Plant outage is due to trouble leaking on the Condensate Extraction Pump.

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Mindanao							
COAL	11FDC_U03	135	6/17/2025 21:52	6/23/2025 2:14	6	Forced	Emergency shutdown due to suspected boiler tube leak. ETC. June 27,2025
COAL	13DCPP_U01	151.4	5/30/2025 3:03	6/7/2025 8:27	8	Forced	Auto tripped. Due to the Furnace temperature High-High.
GEO	14MTAPO_U03	3.6	6/4/2025 20:44	6/6/2025 22:55	2	Forced	Tripped. Indication PH level high.
HYD	10AGUS2_U01	60	5/17/2025 8:06	5/29/2025 15:25	12	Planned	PMS. (GOMP). ETC May, 31 2025 @ 2359H
HYD	10AGUS2_U02	60	6/1/2025 8:04	6/20/2025 19:47	19	Planned	(PMS-GOMP). ETC June 25, 2025 @ 2359H
HYD	10AGUS6_U02	34.5	5/26/2025 0:00	5/30/2025 23:59	4	Planned	PMS (GOMP). Note Forced Outage since April 19, 2025. ETC May 30, 2025
HYD	10AGUS6_U02	34.5	5/31/2025 0:00			Forced	Forced Outage. Note PMS (GOMP) since May 26, 2025, until May 30, 2025.
HYD	10AGUS6_U03	50	6/1/2025 9:02			Planned	(PMS-GOMP). ETC June 30, 2025 @ 2359H
HYD	10AGUS6_U04	40	6/1/2025 9:03			Planned	(PMS-GOMP). ETC June 30, 2025 @ 2359H
HYD	10AGUS6_U05	43.8	6/1/2025 9:03			Planned	(PMS-GOMP). ETC June 30, 2025 @ 2359H
HYD	11FGBPC_G01	1.6	5/26/2025 10:01	5/27/2025 0:15	1	Forced	Cut out from the grid affected by Puerto-Damilag 34.5kV line outage.
HYD	11PULA4_U02	75	5/27/2025 8:06	6/25/2025 23:59	29	Planned	PMS (GOMP). ETC June 25, 2027
HYD	12ASIGA_G01	8.2	6/3/2025 8:01	6/7/2025 19:59	4	Planned	(PMS-GOMP). ETC June 9, 2025.
HYD	13EUROH_G01	3	5/25/2025 8:45			Forced	Plant shutdown due to busted AVR.
HYD	13TALOM1_G01	0.5	6/3/2025 8:00	6/7/2025 22:39	4	Planned	(PMS-GOMP). ETC June 9, 2025.
HYD	13TALOM1_G01	0.5	6/3/2025 8:00	6/7/2025 22:18	4	Planned	(PMS-GOMP). ETC June 9, 2025.
HYD	13TALOM23_G01	0.93	5/21/2025 0:00	5/30/2025 11:27	9	Forced	Extended PMS(GOMP). ETC May 25, 2025.
HYD	13TALOM23_G01	0.93	5/30/2025 13:51	6/8/2025 21:30	9	Forced	Auto tripped due to high DE bearing temperature.
HYD	13TALOM23_G01	0.93	6/20/2025 21:34	6/21/2025 1:06	1	Forced	Plant shutdown due to DLPC line tensioning activity at Cawa-cawa area.
HYD	13TALOM23_G01	0.93	6/20/2025 21:35	6/21/2025 0:56	1	Forced	Plant shutdown due to DLPC line tensioning activity at Cawa-cawa area.
HYD	13TUDAY2_G01	5.5	5/21/2025 0:04	5/28/2025 23:59	7	Planned	PMS (GOMP). ETC 05 28 2025
HYD	13TUDAY2_G01	5.5	5/29/2025 0:00	6/15/2025 16:32	17	Forced	Extended PMS(GOMP) no ETC yet.
HYD	13TUDAY2_G01	2.5	5/21/2025 0:03	5/28/2025 23:59	7	Planned	PMS (GOMP). ETC 05 28 2025
HYD	13TUDAY2_G01	2.5	5/29/2025 0:00	6/15/2025 14:24	17	Forced	Extended PMS(GOMP) no ETC yet.
HYD	14ALMADA_G01	2.6	5/27/2025 16:28	5/28/2025 2:00	1	Forced	Isolated. Directly affected due to COTELCO PPALMA s feeder outage.
HYD	14ALMADA_G01	2.6	6/9/2025 5:00	6/10/2025 12:15	1	Forced	Plant shutdown due to intake clogging. (Forced Outage)
HYD	14ALMADA_G01	2.6	6/18/2025 14:05	6/19/2025 21:20	1	Forced	Auto tripped. Due to COTELCO s line fluctuation & intake clogging.
HYD	14ALMADA_G01	2.6	6/24/2025 8:58			Forced	Plant shutdown affected by COTELCO PPALMA power line outage.

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ANNEX
OUTAGE SUMMARY
26 May - 25 June 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Mindanao							
HYD	14MARBEL_U01	0.5	6/12/2025 22:52	6/13/2025 2:15	1	Forced	Affected by the tripping of SOC I Tacurong-San Roque 69kV Line.
OIL	12KEGGIN_G01	10.6	4/15/2024 15:05			Forced	Failed to synchronize due to low SF6 Pressure on PCB.

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ANNEX
CONGESTED LINES AND EQUIPMENTS
26 May - 25 June 2025

Philippine Electricity Market Corporation

Equipment Name	Trading Intervals	Percent of Time
12PLACE_TR2	178	2.0%
5COLO_5LES1	84	0.9%
1MEXI_1HER2	78	0.9%
1BOTOL_TR1	52	0.6%
8NABAS_TR2	28	0.3%
5COLON_TR1	27	0.3%
9NAGA_TR2	25	0.3%
5LAPU_TR1	24	0.3%
3BINA_3DAS2	18	0.2%
5DAAN_4TAB2	18	0.20%
1SUP_TR1	15	0.17%
7UBAY_TR1	11	0.12%
1AMBK_1BIN2	11	0.12%
8NABAS_TR1	7	0.08%
LEYTE_TO_CEBU	6	0.07%
3BINA_3DAS1	6	0.07%
6KABAN_TR2	3	0.03%
12BISL_13NAB1	3	0.03%
3MKBNA_TR1	2	0.02%
6AMLAN_TR2	2	0.02%
5SAMB_6AML1	2	0.02%
12BUTU_12SFR1	2	0.02%
6PGPP1_TR1	2	0.02%
13BUN230_TR2	1	0.01%
6PGPP1_TR2	1	0.01%
3DASMA_TR1	1	0.01%
1EHVNGS_TR2	1	0.01%

GLOSSARY OF TERMS

Philippine Electricity Market Corporation

CAPACITY ON OUTAGE

Calculated for each 5-min interval as the sum of the capacity of all generating units on outage, which are further distinguished by plant type and category. The generating unit/s on outage and categories of outage are based on the SO's daily operations report. Cited below are the outage categories as defined in ERC Resolution No. 21, Series of 2016.

Deactivated Shutdown	- Refers to a condition where a generating unit is unavailable for service for an extended period of time for reasons not related to equipment and inactive for more than 60 days.
Forced	- An outage that requires immediate removal of a unit from service, another outage state, or a reserve shutdown state.
Maintenance	- An outage that does not require immediate removal from the In-Service state but requires a Unit to be removed from the available state before the next planned outage. This is scheduled at least seven (7) days in advance.
Planned	- The state in which a Unit is unavailable due to inspection, testing, preventive maintenance or overhaul. A Planned Outage is scheduled with a pre-determined duration and is coordinated with the System Operator. The Planned Outage of a Unit shall be reflected in the Grid Operating and Management Program (GOMP).

DEMAND

Calculated for each 5-minute trading interval as the sum of the real time dispatch (RTD) schedule of all load resources plus regional losses.

EFFECTIVE SUPPLY

Calculated for each 5-minute trading interval as the sum of the offered capacity of all scheduled generators considering their offered ramp rates, nominated loading level of nonscheduled generators and projected output of preferential dispatch generators, adjusted for any over-riding constraints imposed by the System Operator (SO), and reserve offers. Output of generators on testing and commissioning were considered based on the over-riding constraints imposed by the SO.

HERFINDAHL-HIRSCHMAN INDEX (HHI)

It is a commonly accepted measure of market concentration that takes into account the relative size and distribution of participants in the market. The HHI is a number between 0 and 10,000, which is calculated as the sum of squares of the participant's market share. The HHI approaches zero when the market has very large number of participants with each having a relatively small market share. In contrary, the HHI increases as the number of participants in the market decreases, and the disparity in the market shares among the participants increases. The following are the widely used HHI screening numbers: (1) less than 1,500 - not concentrated; (2) 1,500 to 2,500 - moderately concentrated; and (3) greater than 2,500 - highly concentrated.

MARGINAL PLANT

The last generating unit scheduled to meet the system demand.

MAJOR PARTICIPANT GROUP

The grouping of generators by ownership or control.

GLOSSARY OF TERMS

Philippine Electricity Market Corporation

MARKET RESIDUAL SUPPLY INDEX (Market RSI)

The RSI is a dynamic continuous index measured as ratio of the available generation without a generator to the total generation required to supply the demand. The RSI is measured for each generator. The greater the RSI of a generator, the less will be its potential ability to exercise market power and manipulate prices, as there will be sufficient capacity from the other generators. In contrary, the lower the RSI, the greater the market power of a generator (and its potential benefit of exercising market power), as the market is strongly dependent on its availability to be able to fully supply the demand. In particular, a RSI greater than 100% for a generator means that the remaining generators can cover the demand, and in principle that generator cannot manipulate market price. On the other hand, a RSI less than 100% means that the generator is pivotal in supplying the demand.

The RSI for the whole market (Market RSI) is measured as the lowest RSI among all the generators in the market. A Market RSI less than 100% indicates the presence of pivotal generator/s

NOMINATED CAPACITY

The available capacity declared by self-scheduled generators.

OFFERED CAPACITY

The available capacity declared by scheduled generators.

PRICING CONDITIONS

A price imposed by the Market Operator to the Market/Trading Participant in cases:

Administered Price (AP)	- Interval affected by the declaration of market suspension and intervention.
Pricing Error Notice (PEN)	- Calculated prices are believed to be inerror due to erroneous, inconsistent, or inappropriate input data.
Price Substitution Methology (PSM)	- Undesirable market pricing situations arising from the effects of network congestion in the power system, particularly during the occurrence of extreme nodal price separation.
Secondary Price Cap (SPC)	- Applied upon breaching the PHP9,000/MWh rolling average price over a seventy-two (72) hours period .

PIVOTAL SUPPLIER INDEX (PSI)

The pivotal supplier index is a binary variable (1 for pivotal and 0 for not pivotal) for each generator. The index identifies whether a generator is pivotal in supplying the demand. The PSI is calculated as the percentage of time that a generator is pivotal in a period (i.e. monthly).

POST MARKET RUN CALCULATION

Price adjustment after consideration of different pricing conditions such as AP, SPC, PSM, and PEN.

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GLOSSARY OF TERMS

Philippine Electricity Market Corporation

REGISTERED CAPACITY
The capacity registered by a generator with WESM.

REGISTERED CAPACITY (NET OF OUTAGE)
The capacity registered by a generator with WESM less capacity on outage.

RESERVE CATEGORIES

Regulating Up and Down (RU and RD)	- Readily available and dispatchable generating capacity that is allocated exclusively to correct deviations from the acceptable nominal frequency caused by unpredicted variations in demand or generation output.
Contingency (FR)	- Synchronized generation capacity from Qualified Generating Units and Qualified Interruptible Loads allocated to cover the loss or failure of a synchronized generating unit or a transmission element of the power import from a circuit interconnection.
Dispatchable (DR)	- Generating Capacity that are readily available for dispatch in order to replenish the Contingency Reserves whenever a generating unit trips or a loss of a single transmission interconnection occurs.

RESERVE REGISTERED CAPACITY
The maximum capacity registered by a generator in the reserve market.

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