MONTHLY MARKET STATISTICS

APRIL 2025

(26 March to 25 April 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 March - 25 April 2025

Total Registered Capacity (MW)

29,794 0.22%▼

Previous Month: 29,861

Average Demand (MW)

14,869 7.73%▲

Previous Month: 13,802

Average Capacity Offered/Nominated (MW)

21,028 70.58% of the total Registered Capacity

Previous Month: 19,487

Average Capacity Not Offered/Nominated (MW)

5,237 17.58% of the total Registered Capacity

Previous Month: 4,791

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

4,789 14.99%▼

Previous Month: 5,634

Average Capacity of Plants on Commissioning (MW)

858 2.88% of the total Registered Capacity

Previous Month: 744

Average Capacity on Outage (MW)

2,729 9.16% of the total Registered Capacity

Previous Month: 4,823

Average Effective Supply (MW)

17,925 7.62%▲

Previous Month: 16,656

Market Structure (Concentration - HHI)

Not Concentrated

Previous Month: Not Concentrated

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MARKET OUTCOME
REGIONAL AT A GLANCE
26 March - 25 April 2025

Philippine Electricity Market Corporation

Luzon

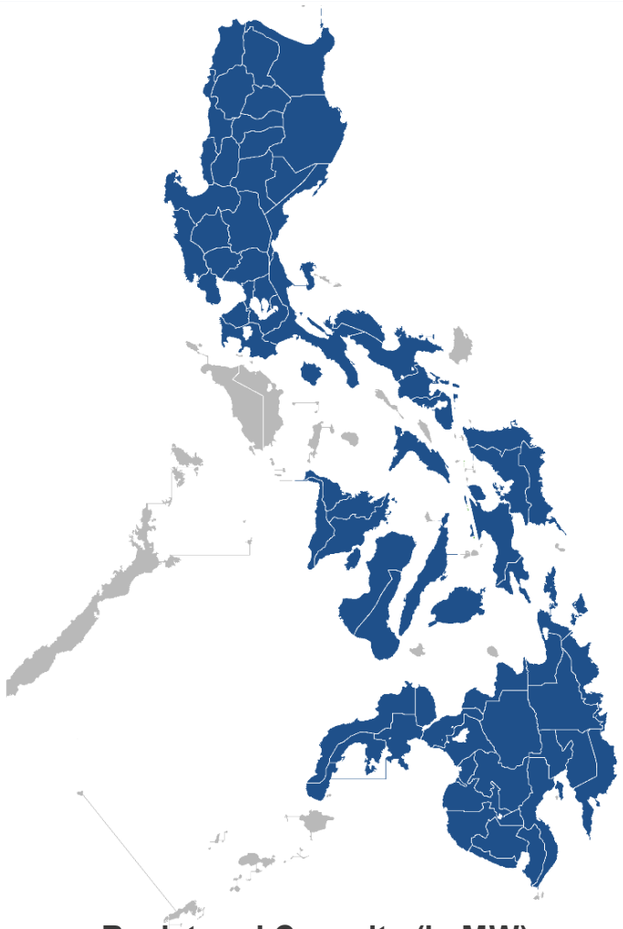
Total Registered Capacity (MW)	21,727.70
Average Effective Supply (MW)	12,767.21
Average Demand (MW)	10,742.00

Visayas

Total Registered Capacity (MW)	3,729.10
Average Effective Supply (MW)	2,461.08
Average Demand (MW)	2,008.79

Mindanao

Total Registered Capacity (MW)	4,337.60
Average Effective Supply (MW)	2,696.70
Average Demand (MW)	2,117.85



Zones	LWAP	Month-on-Month % Change
Northern Luzon	4,238.76	27.35%▼
Metro Manila	4,232.12	26.51%▼
Southern Luzon	4,069.98	26.42%▼
Bohol	4,229.91	27.41%▼
Cebu	4,169.51	27.11%▼
Leyte	4,272.26	27.69%▼
Negros	4,131.75	27.58%▼
Panay	4,345.44	25.87%▼
Lanao	3,471.92	18.81%▼
North Central	3,633.54	19.26%▼
North-East	4,029.41	18.76%▼
North-West	4,184.49	17.53%▼
South-East	3,806.45	18.80%▼
South-West	3,858.07	19.83%▼

Registered Capacity (in MW)

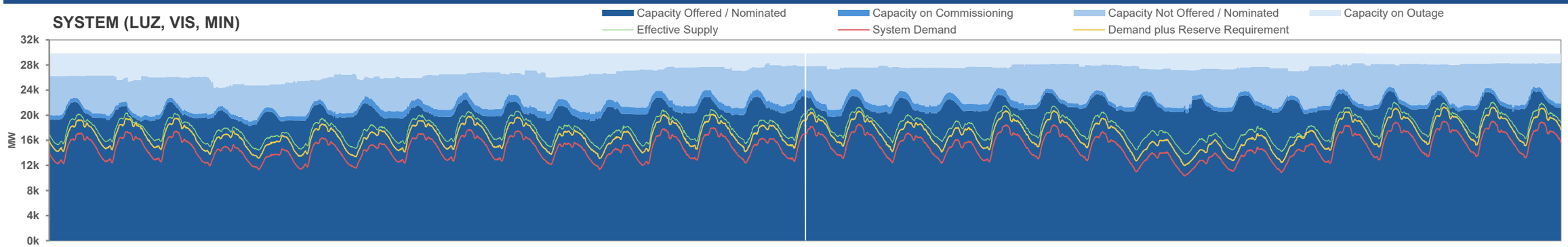
	COAL	NATGAS	GEO	HYDRO	OIL-BASED	WIND	SOLAR	BIOFUEL	BESS
Luzon	8,847.50	4,574.90	819.70	2,547.10	1,680.60	465.80	2,222.00	155.60	414.50
Visayas	1,329.70	-	857.00	66.30	489.70	102.80	564.80	194.60	124.20
Mindanao	2,254.60	-	105.00	1,161.80	589.50	-	67.20	59.50	100.00

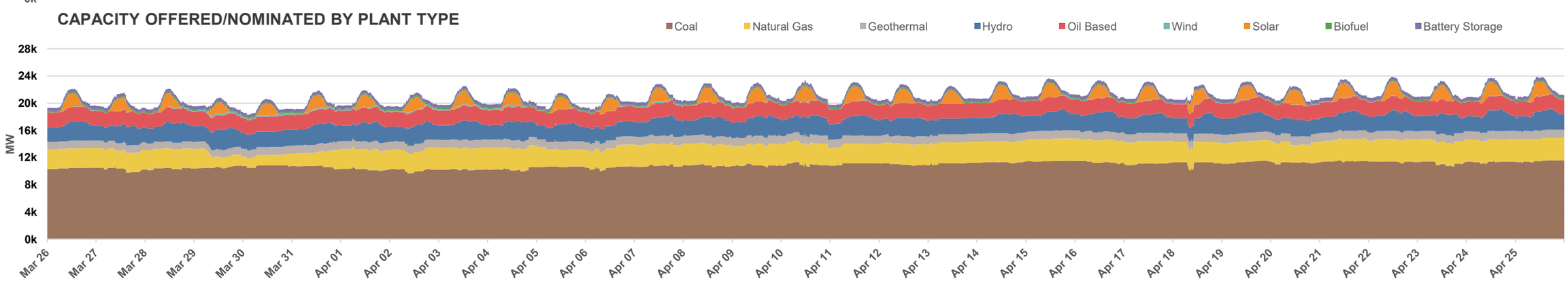
PUBLIC

MARKET OUTCOME
CAPACITY PROFILE

26 March - 25 April 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	13,775.12	4/18/2025 7:25	22,102.29	4/22/2025 14:00	17,925.00	7.62%▲
Luzon	9,514.94	4/18/2025 6:50	15,897.41	4/22/2025 14:05	12,662.39	9.83%▲
Visayas	1,709.58	3/28/2025 4:10	2,932.87	4/24/2025 11:50	2,320.11	7.24%▲
Mindanao	2,103.12	4/18/2025 8:55	3,542.66	4/22/2025 15:50	2,942.50	0.71%▼
Demand Plus Reserve Requirement						
System	11,977.65	4/18/2025 6:55	21,310.79	4/23/2025 14:40	16,883.57	7.00%▲
Luzon	8,379.97	4/18/2025 6:55	15,444.50	4/23/2025 14:50	12,154.97	8.20%▲
Visayas	1,788.40	4/18/2025 7:00	2,996.40	4/24/2025 14:30	2,345.14	5.14%▲
Mindanao	1,802.01	4/18/2025 6:55	3,034.48	4/24/2025 15:05	2,383.46	2.98%▲

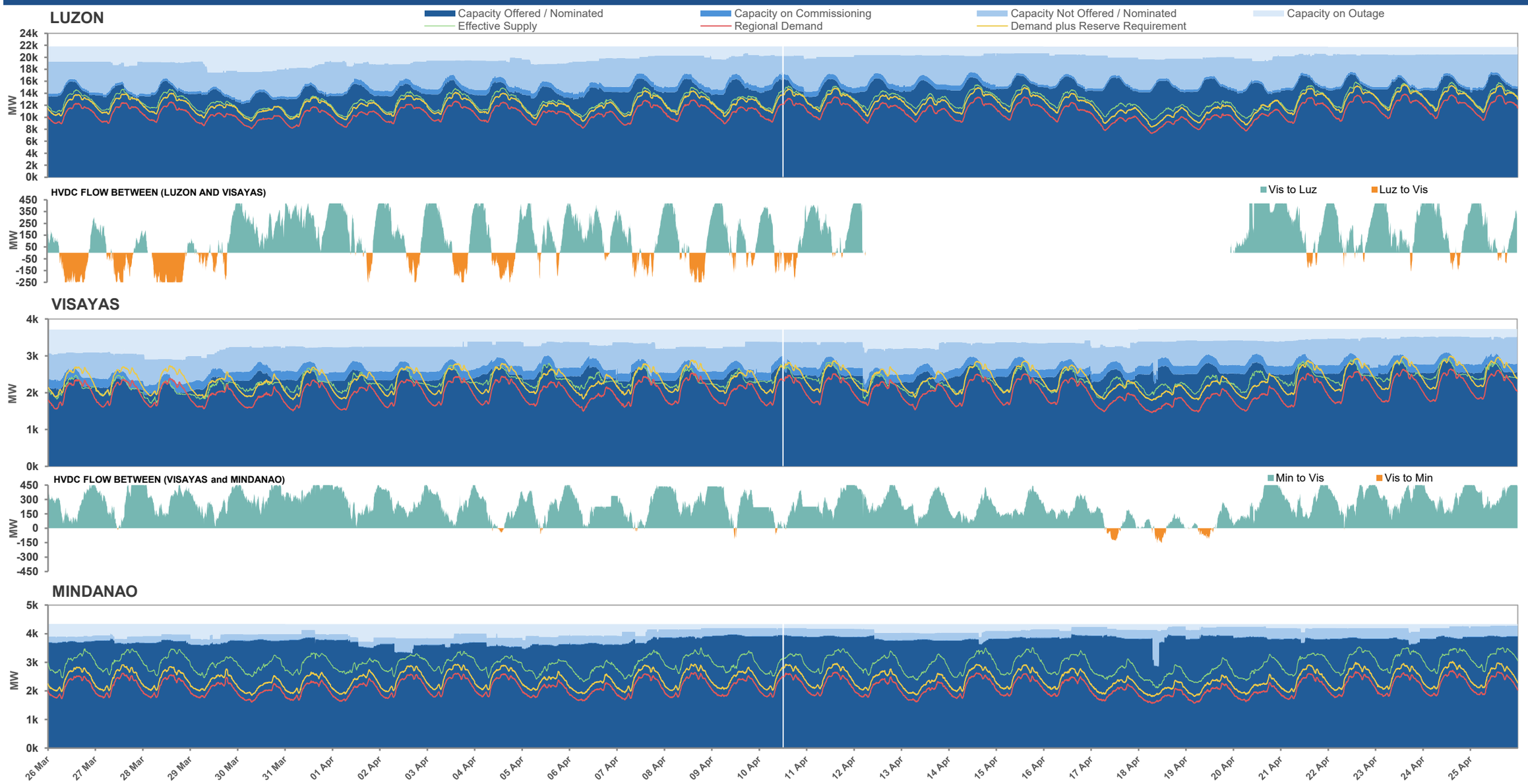
Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Capacity Offered/Nominated						
Coal	9,703.50	4/2/2025 8:40	11,597.90	4/21/2025 9:30	10,892.88	17.36%▲
Natural Gas	1,363.30	3/30/2025 0:00	3,326.30	4/8/2025 23:00	2,954.03	4.06%▼
Geothermal	892.30	4/12/2025 5:10	1,234.70	4/25/2025 6:30	1,182.09	6.64%▲
Hydro	1,862.70	4/25/2025 0:45	3,114.30	4/25/2025 18:00	2,509.42	2.17%▼
Oil Based	1,949.00	4/17/2025 9:10	2,205.50	3/31/2025 1:55	2,152.89	1.41%▲
Wind	3.40	4/23/2025 7:10	287.40	3/30/2025 19:10	80.33	43.89%▼
Solar	0.00	3/26/2025 0:05	2,202.40	4/10/2025 11:40	632.77	11.47%▲
Biofuel	89.00	4/19/2025 22:20	206.30	3/26/2025 18:05	164.78	2.75%▼
Battery Storage	370.40	4/5/2025 5:05	470.40	3/26/2025 0:05	460.50	2.25%▲

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MARKET OUTCOME
CAPACITY PROFILE

26 March - 25 April 2025

Philippine Electricity Market Corporation



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MARKET OUTCOME
CAPACITY PROFILE

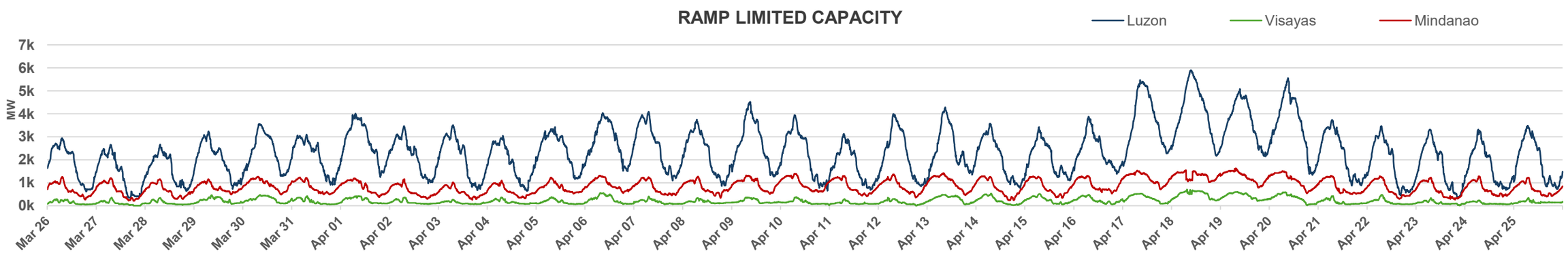
26 March - 25 April 2025

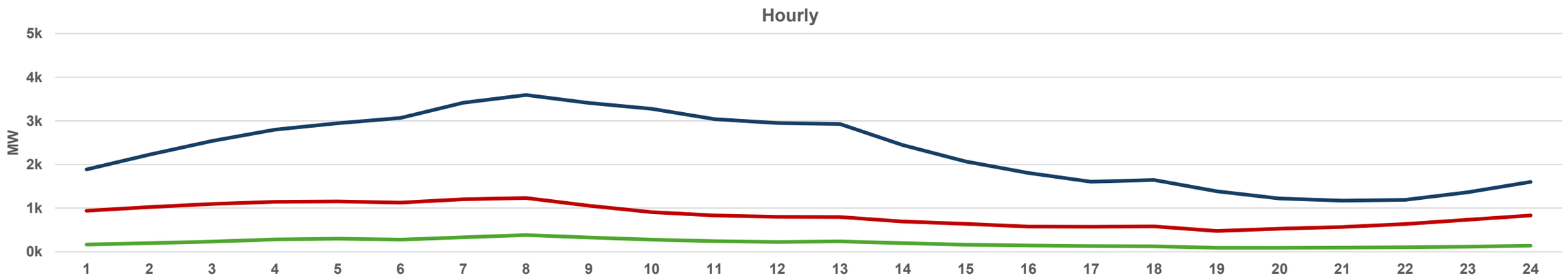
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HVDC Flow	Min (in MW)	Max (in MW)	Percent of Time	Month-on-Month %Change
Luz-Vis	0.15	250.00	20%	74.32%▼
Vis-Luz	0.01	420.00	54%	154.92%▲
Vis-Min	0.29	155.83	4%	474.08%▲
Min-Vis	0.51	450.00	95%	4.17%▼

**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	-	4/10/2025 11:55	7,925.45	4/18/2025 10:25	3,356.86	23.35%▲
Luzon	342.85	3/27/2025 16:50	5,893.56	4/18/2025 9:30	2,315.69	12.46%▲
Visayas	-	3/27/2025 18:25	710.02	4/18/2025 7:40	203.05	0.49%▲
Mindanao	211.40	3/27/2025 18:25	1,616.03	4/19/2025 7:35	839.26	11.60%▲





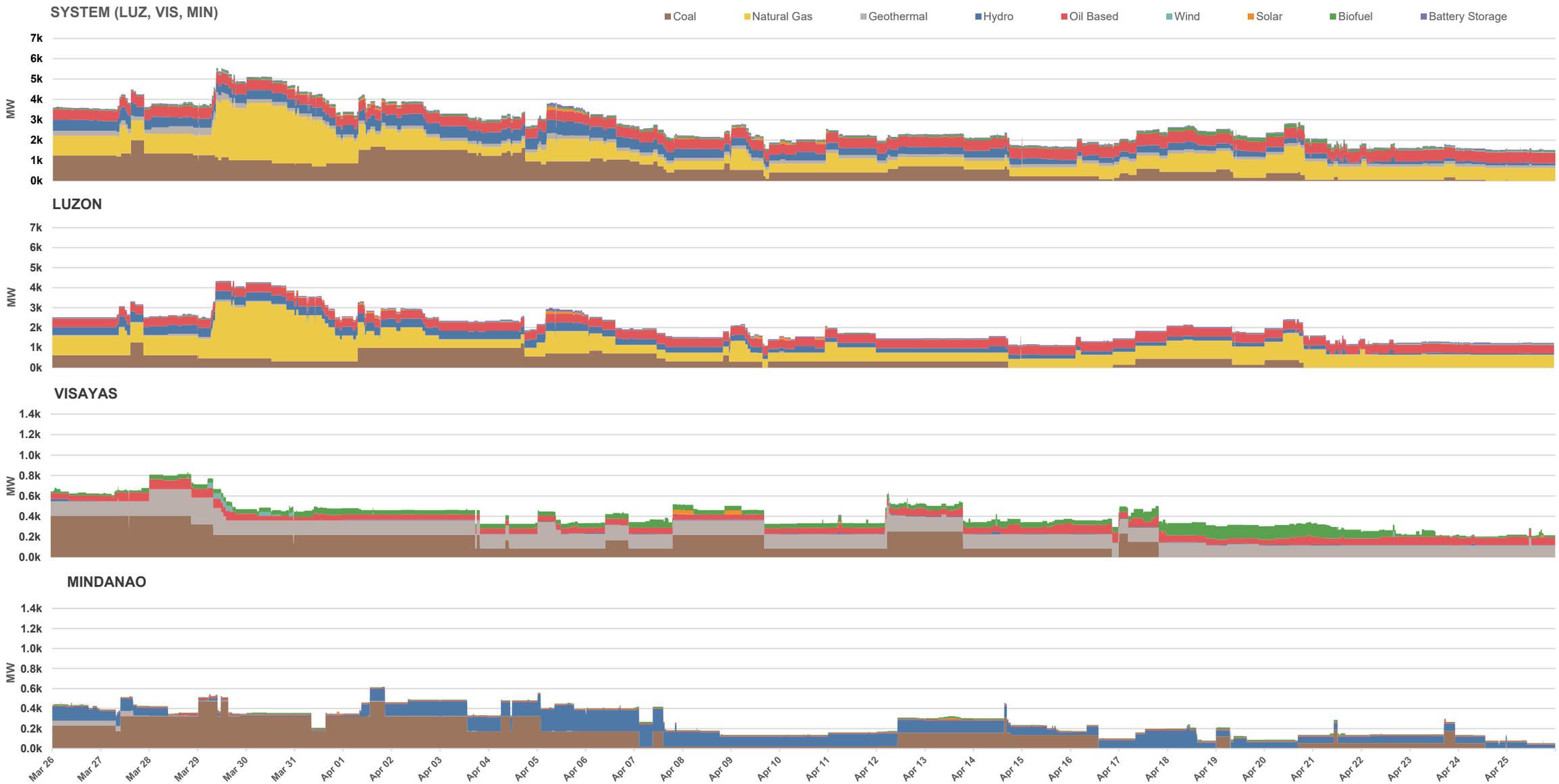
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MARKET OUTCOME

OUTAGE BY PLANT TYPE

26 March - 25 April 2025

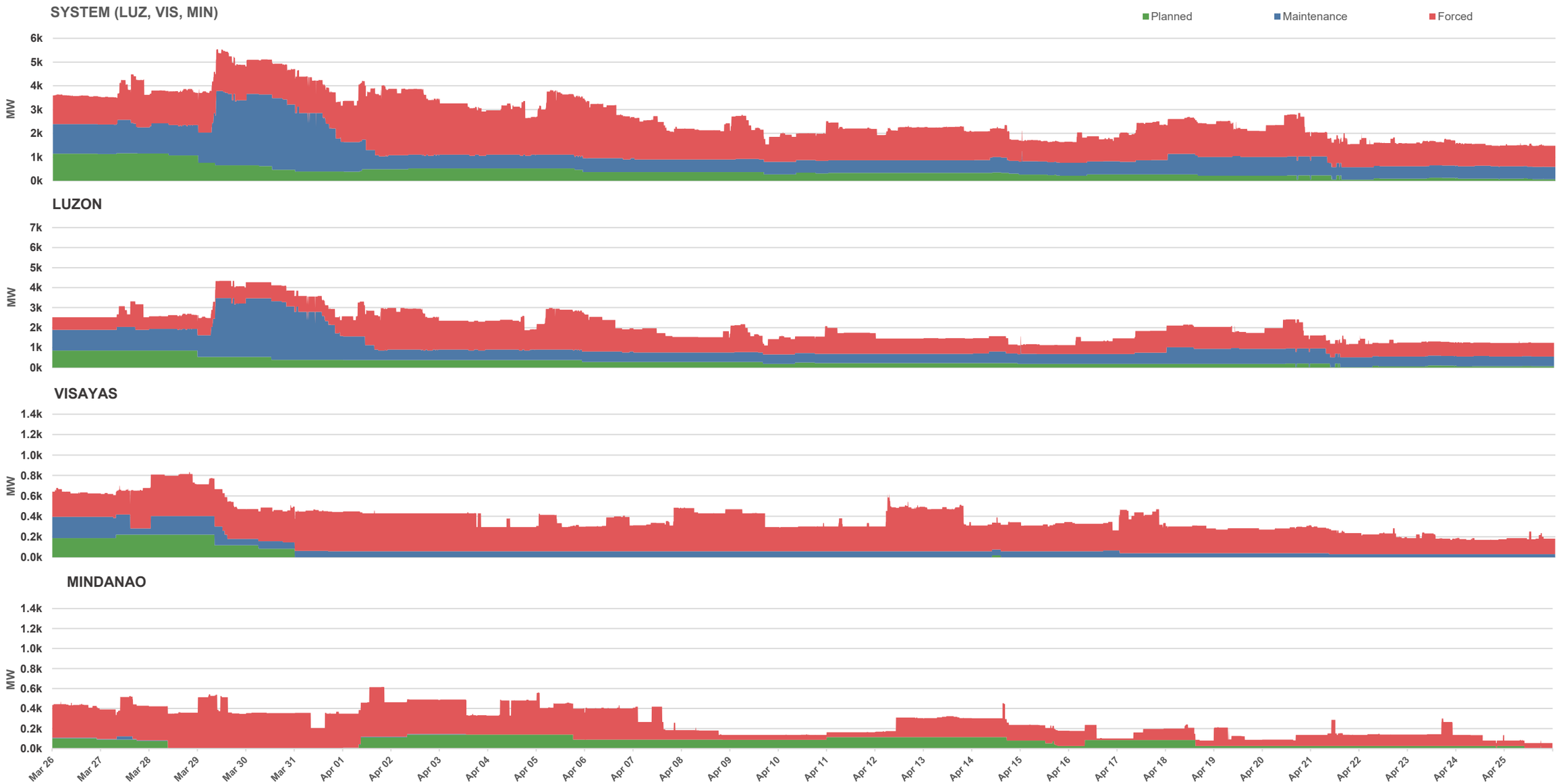
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MARKET OUTCOME
OUTAGE BY CATEGORY
26 March - 25 April 2025

Philippine Electricity Market Corporation



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MARKET OUTCOME
OUTAGE SUMMARY
26 March - 25 April 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	55.00	4/20/2025 20:05	1,993.20	3/27/2025 14:45	713.24	71.82%▼
Natural Gas	421.90	4/1/2025 18:40	2,822.50	3/29/2025 9:00	842.10	2.82%▲
Geothermal	129.90	4/17/2025 0:25	372.50	3/28/2025 9:30	173.39	39.34%▼
Hydro	70.10	4/20/2025 16:00	696.57	4/5/2025 15:20	375.90	26.40%▼
Oil Based	475.10	3/30/2025 22:20	624.30	4/17/2025 22:05	513.84	4.03%▼
Wind	13.20	3/29/2025 5:35	52.90	4/12/2025 6:20	36.50	68.21%▼
Solar	8.20	4/13/2025 6:50	136.90	4/5/2025 4:30	53.74	139.72%▲
Biofuel	29.20	4/23/2025 21:05	170.90	4/19/2025 8:20	76.80	20.68%▲
Battery Storage	50.00	3/26/2025 0:05	150.00	4/5/2025 6:15	52.02	4.03%▲

Luzon

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	150.00	4/16/2025 21:25	1,263.00	3/27/2025 14:45	521.52	73.86%▼
Natural Gas	421.90	4/1/2025 18:40	2,822.50	3/29/2025 9:00	842.10	2.82%▲
Geothermal	16.70	3/30/2025 18:40	107.70	3/28/2025 9:30	27.14	73.87%▼
Hydro	14.20	4/21/2025 9:05	532.50	3/27/2025 8:05	274.67	35.10%▼
Oil Based	430.00	3/26/2025 0:05	500.00	4/17/2025 8:15	436.28	2.92%▼
Wind	18.80	4/9/2025 14:15	51.20	4/4/2025 5:55	35.50	68.44%▼
Solar	32.90	3/30/2025 18:00	136.90	4/5/2025 4:30	62.81	274.84%▲
Biofuel	0.60	3/31/2025 0:05	69.90	3/28/2025 16:35	14.04	49.51%▼
Battery Storage	50.00	3/26/2025 0:05	150.00	4/5/2025 6:15	51.97	3.94%▲

Visayas

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	83.10	4/3/2025 18:00	404.70	3/26/2025 0:05	189.40	35.80%▼
Natural Gas	-		-			
Geothermal	113.20	4/17/2025 0:25	292.37	4/12/2025 4:45	143.02	17.69%▼
Hydro	0.40	3/27/2025 20:05	23.95	4/14/2025 9:15	5.52	10.77%▼
Oil Based	34.50	3/30/2025 22:20	113.70	4/17/2025 22:05	66.54	39.12%▲
Wind	13.20	3/29/2025 5:35	52.90	4/12/2025 6:20	39.98	20.83%▼
Solar	19.50	4/25/2025 16:50	40.50	4/7/2025 19:25	37.03	38.06%▲
Biofuel	11.90	4/23/2025 12:50	130.10	4/18/2025 12:20	54.88	110.33%▲
Battery Storage	20.00	4/11/2025 5:20	20.00	4/11/2025 5:20	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	20.00	4/7/2025 2:35	473.30	3/29/2025 0:20	174.31	27.71%▼
Natural Gas	-		-			
Geothermal	3.60	3/27/2025 16:10	53.60	3/27/2025 15:10	16.09	66.23%▼
Hydro	6.60	3/28/2025 9:25	266.87	4/5/2025 15:20	101.19	22.42%▲
Oil Based	10.60	3/26/2025 0:05	45.50	4/23/2025 17:05	11.02	71.14%▼
Wind	-		-			
Solar	8.20	4/13/2025 6:50	20.00	3/31/2025 20:55	10.93	12.31%▼
Biofuel	5.70	3/26/2025 0:05	20.70	4/21/2025 8:25	7.88	19.05%▼
Battery Storage	-		-			

System

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	51.50	4/20/2025 16:00	1,162.60	3/27/2025 7:35	406.62	76.14%▼
Maintenance	520.00	4/21/2025 8:05	3,125.10	3/29/2025 9:00	842.91	14.27%▼
Forced	731.33	4/9/2025 16:55	2,989.11	4/1/2025 19:20	1,452.31	31.98%▼

Luzon

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	26.20	4/20/2025 16:00	853.50	3/26/2025 0:05	309.30	75.24%▼
Maintenance	471.90	4/1/2025 17:35	2,936.00	3/29/2025 9:00	775.70	9.94%▼
Forced	447.30	4/9/2025 16:50	2,119.38	4/1/2025 18:50	965.27	45.83%▼

Visayas

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	18.00	4/14/2025 9:15	220.10	3/27/2025 7:35	166.67	11.22%▼
Maintenance	30.00	4/21/2025 8:05	208.50	3/26/2025 0:05	65.15	44.01%▼
Forced	138.80	4/23/2025 20:05	566.37	4/12/2025 6:20	290.17	17.56%▲

Mindanao

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	1.54	4/1/2025 0:20	139.34	4/2/2025 8:05	80.40	69.95%▼
Maintenance	6.20	3/31/2025 0:05	34.10	3/27/2025 8:05	7.50	31.28%▼
Forced	16.30	4/16/2025 14:00	538.60	3/29/2025 9:20	196.87	84.82%▲

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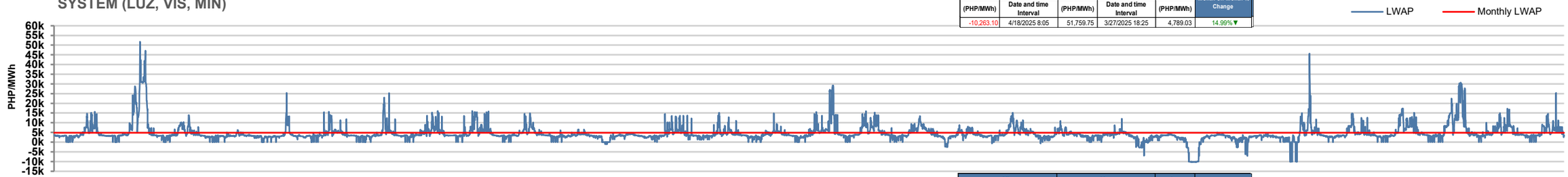
MARKET OUTCOME
MARKET PRICE

26 March - 25 April 2025

Philippine Electricity Market Corporation

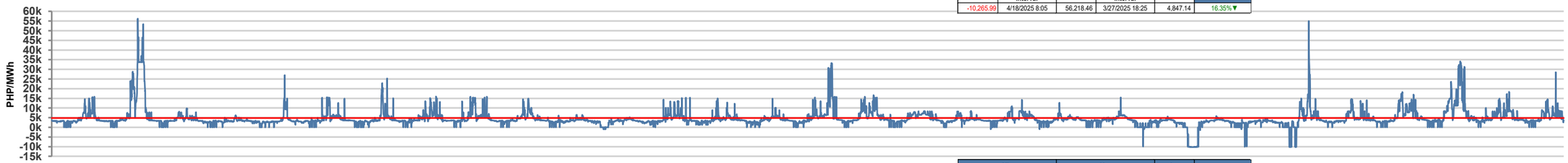
SYSTEM (LUZ, VIS, MIN)

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,263.10	4/18/2025 8:05	51,759.75	3/27/2025 18:25	4,789.03	14.99%▼



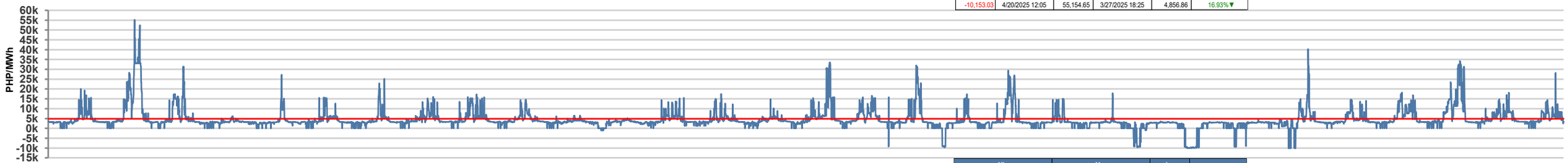
LUZON

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,265.99	4/18/2025 8:05	56,218.46	3/27/2025 18:25	4,847.14	16.35%▼



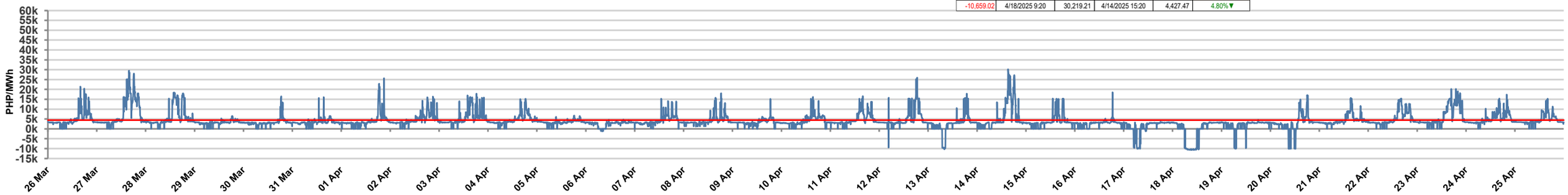
VISAYAS

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,153.03	4/20/2025 12:05	55,154.65	3/27/2025 18:25	4,856.86	16.93%▼



MINDANAO

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,659.02	4/18/2025 9:20	30,219.21	4/14/2025 15:20	4,427.47	4.80%▼

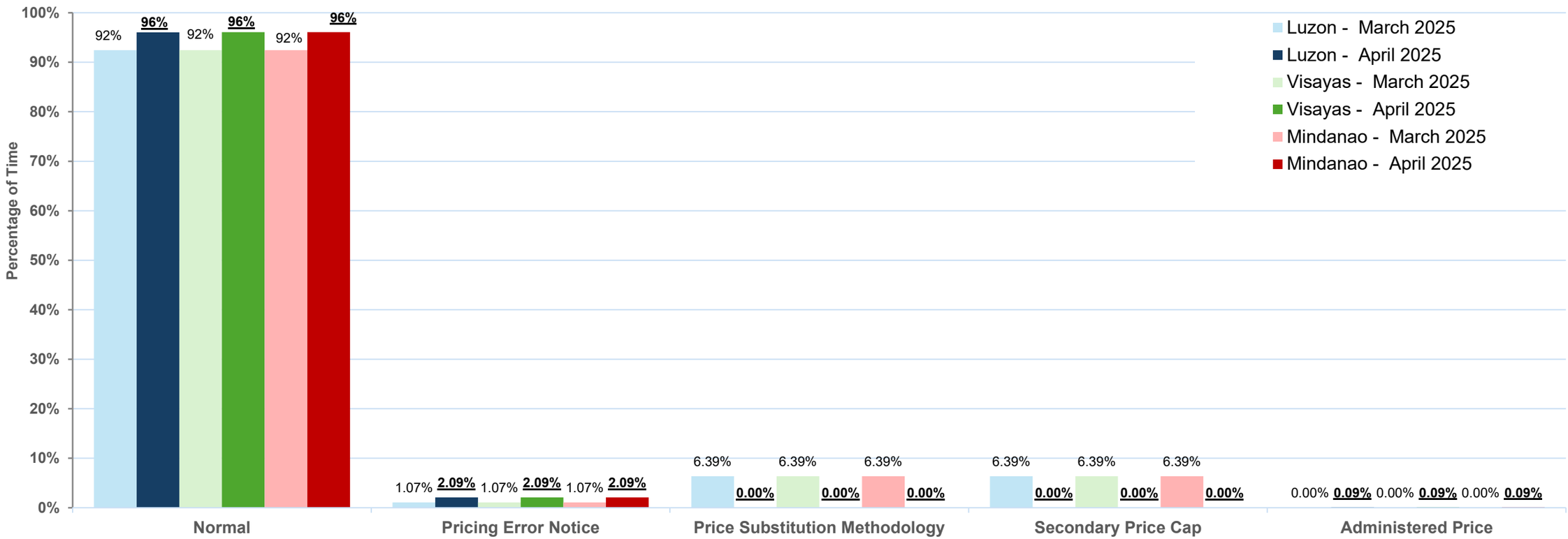


PUBLIC

MARKET OUTCOME
PRICING CONDITION

26 March - 25 April 2025

Philippine Electricity Market Corporation



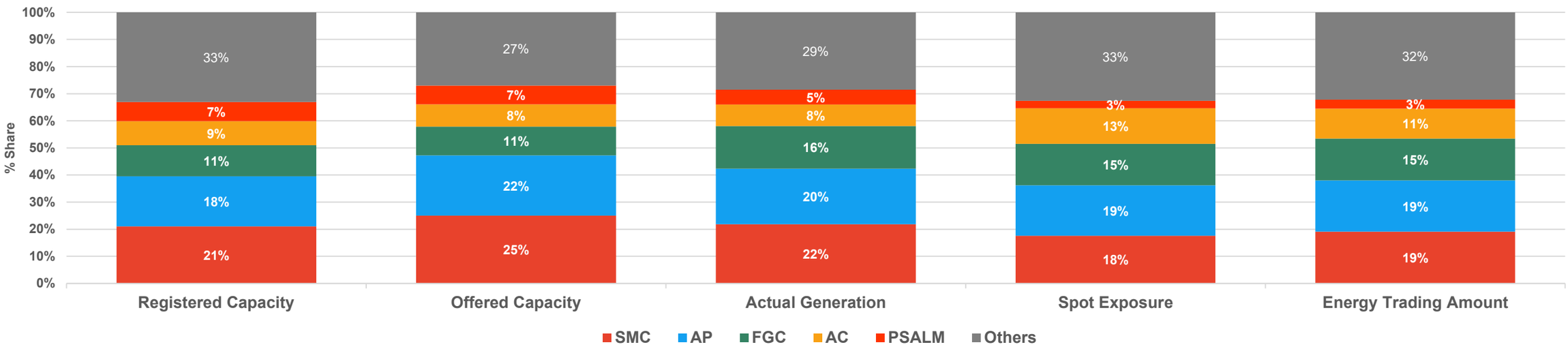
		Normal		Pricing Error Notice		Price Substitution Methodology		Secondary Price Cap		Administered Price	
Region/Grid	Billing Month	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%
Luzon	March 2025	7,453	92.42%	86	1.07%	10	0.12%	515	6.39%	0	0.00%
	April 2025	8,575	96.05%	187	2.09%	158	1.77%	0	0.00%	8	0.09%
Visayas	March 2025	7,453	92.42%	86	1.07%	10	0.12%	515	6.39%	0	0.00%
	April 2025	8,578	96.08%	187	2.09%	155	1.74%	0	0.00%	8	0.09%
Mindanao	March 2025	7,453	92.42%	86	1.07%	10	0.12%	515	6.39%	0	0.00%
	April 2025	8,578	96.08%	187	2.09%	155	1.74%	0	0.00%	8	0.09%

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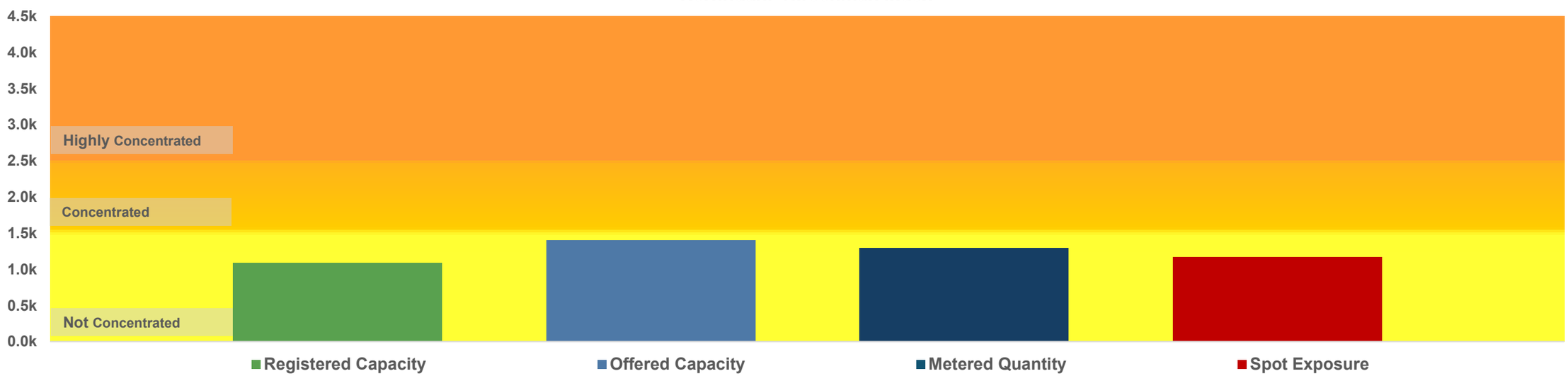
MARKET OUTCOME
STRUCTURAL COMPETITION
26 March - 25 April 2025

Philippine Electricity Market Corporation

SYSTEM MARKET SHARE



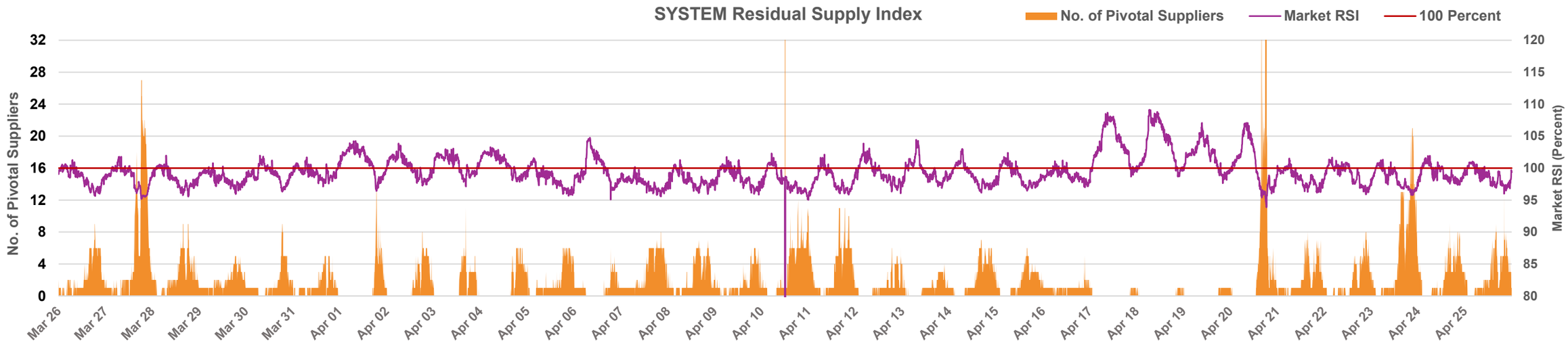
Herfindahl–Hirschman Index



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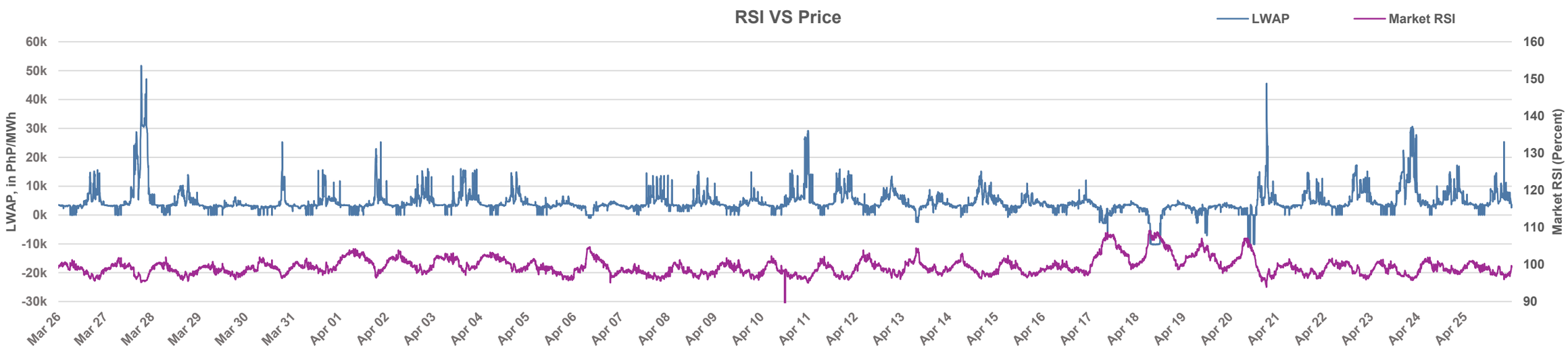
MARKET OUTCOME
STRUCTURAL COMPETITION
26 March - 25 April 2025

Philippine Electricity Market Corporation



RSI		Price (PHP/MWh)	Time Interval
Max	109.12	-2,895.59	4/18/2025 6:30
Min	23.07	6,527.27	4/10/2025 11:55

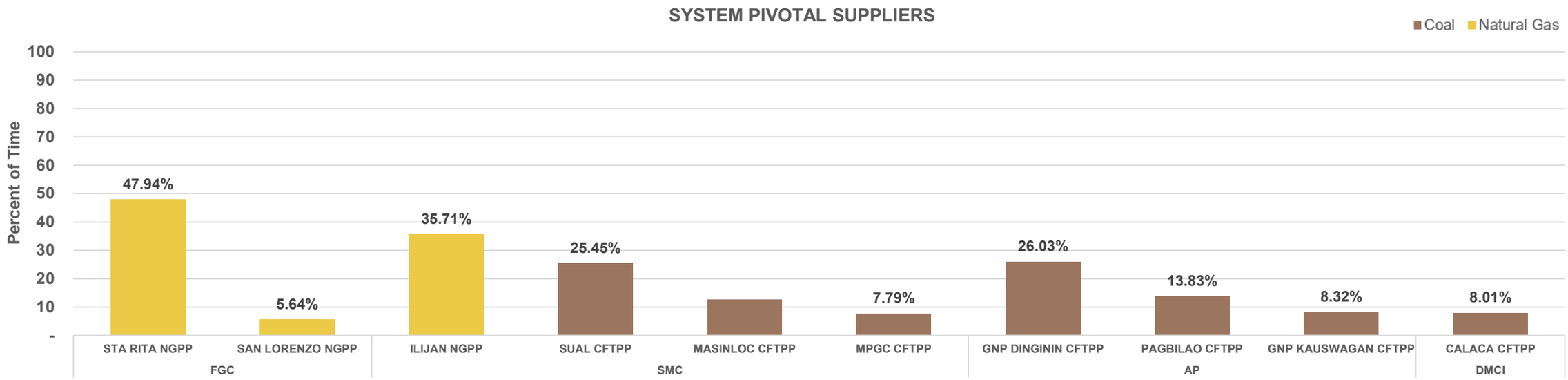
Price (PHP/MWh)		RSI	Time Interval
Max	51,759.75	95.20	3/27/2025 18:25
Min	-10,263.10	107.81	4/18/2025 8:05

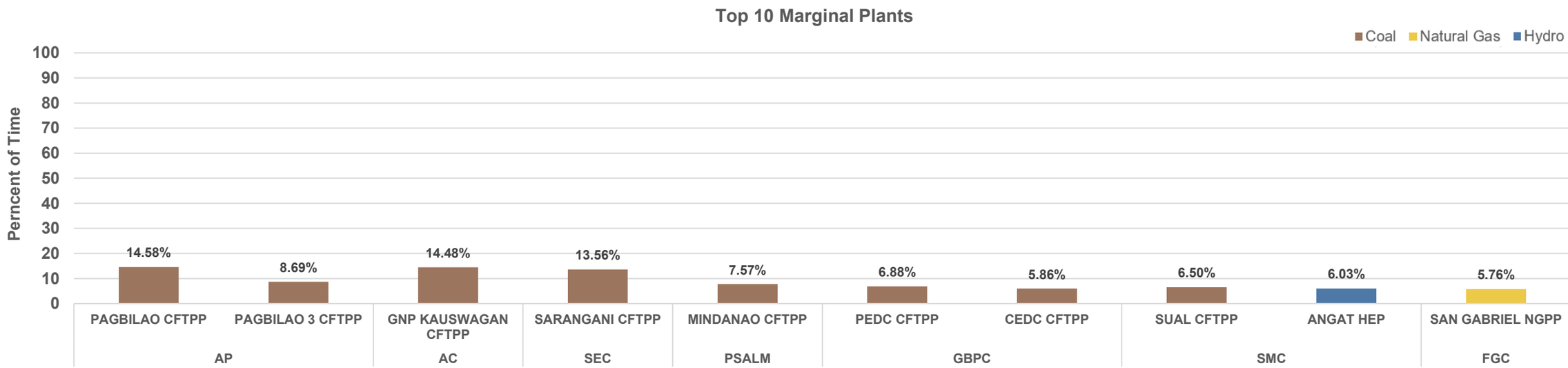


PUBLIC

MARKET OUTCOME
STRUCTURAL COMPETITION
26 March - 25 April 2025

Philippine Electricity Market Corporation



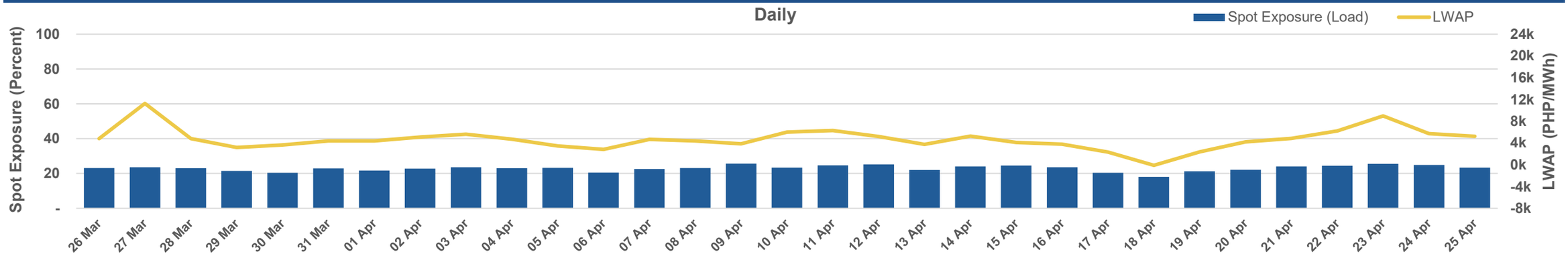


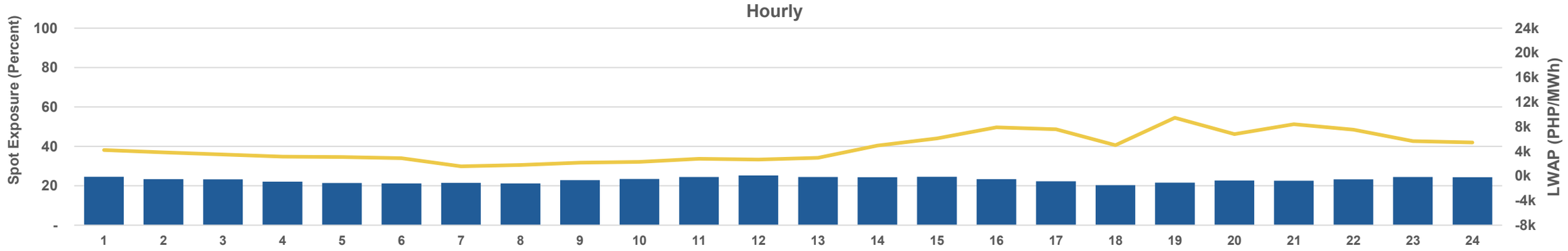
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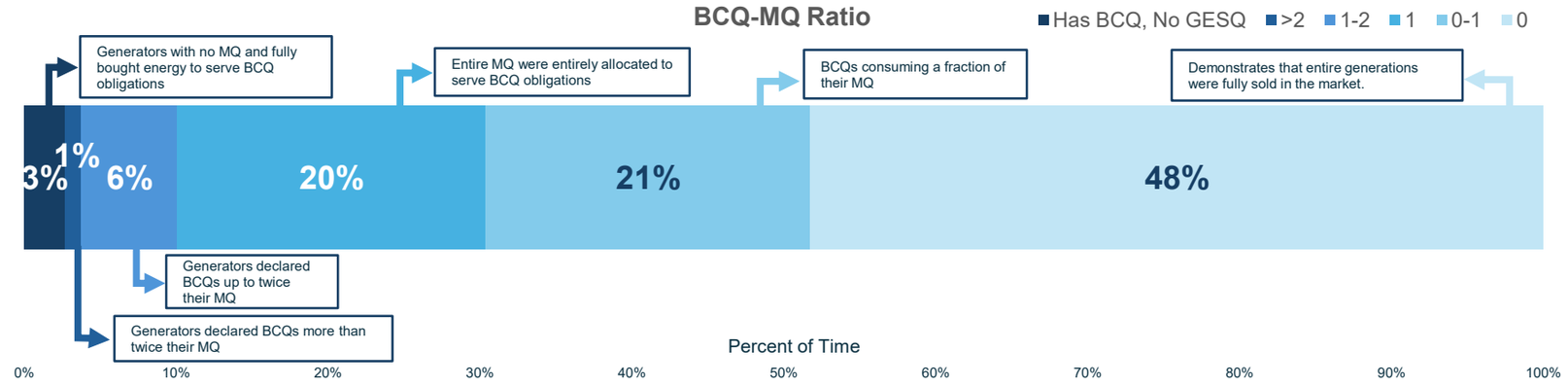
MARKET OUTCOME
SPOT EXPOSURE

26 March - 25 April 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 obligations
>2	1%	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	48%	Demonstrates that entire generations were fully sold in the market.

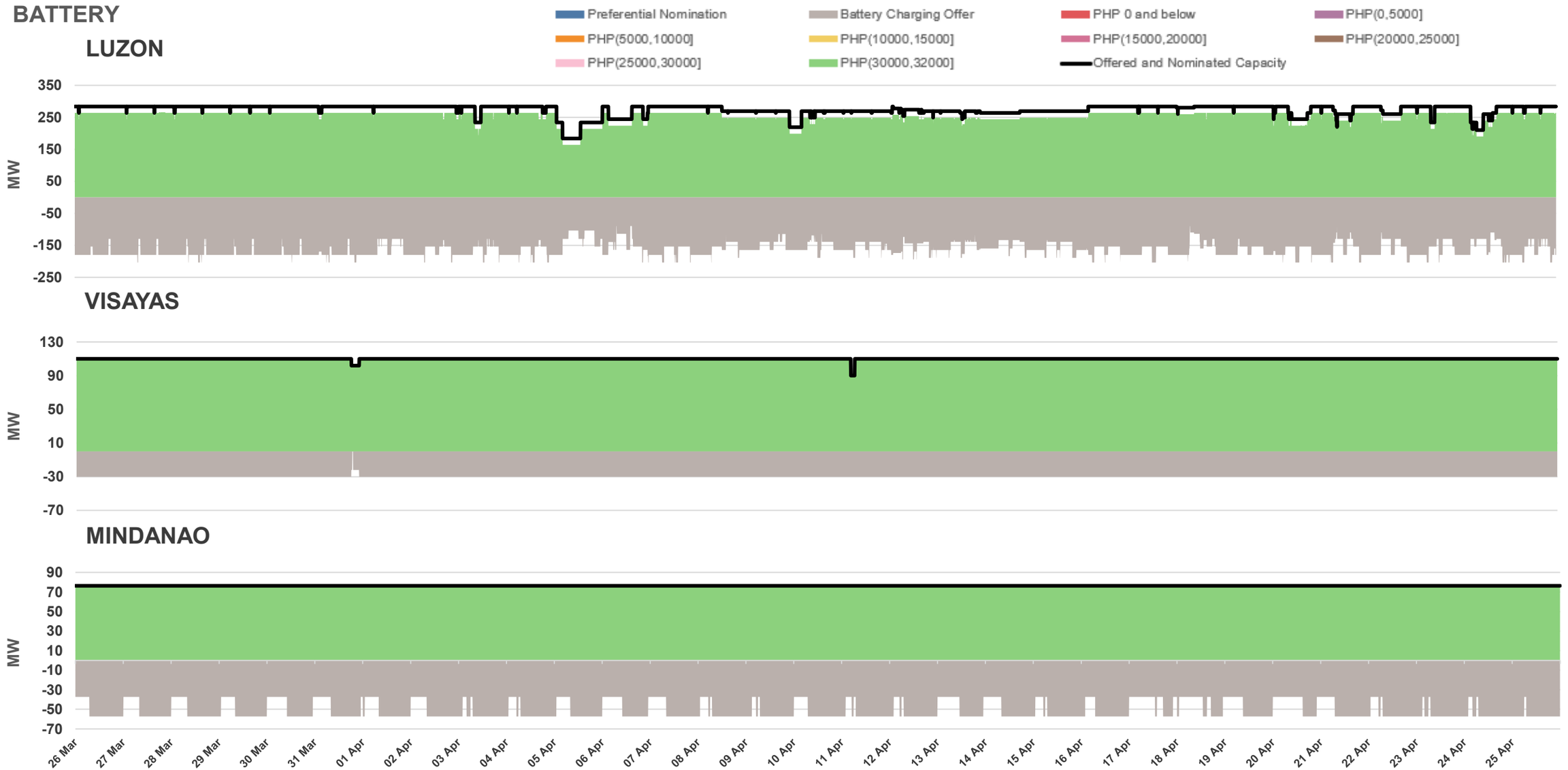
Note: The graph is derived from the occurrences of the BCQ-MQ ratio over time per generator trading interval.

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MARKET OUTCOME
OFFERS
26 March - 25 April 2025

Philippine Electricity Market Corporation

BATTERY

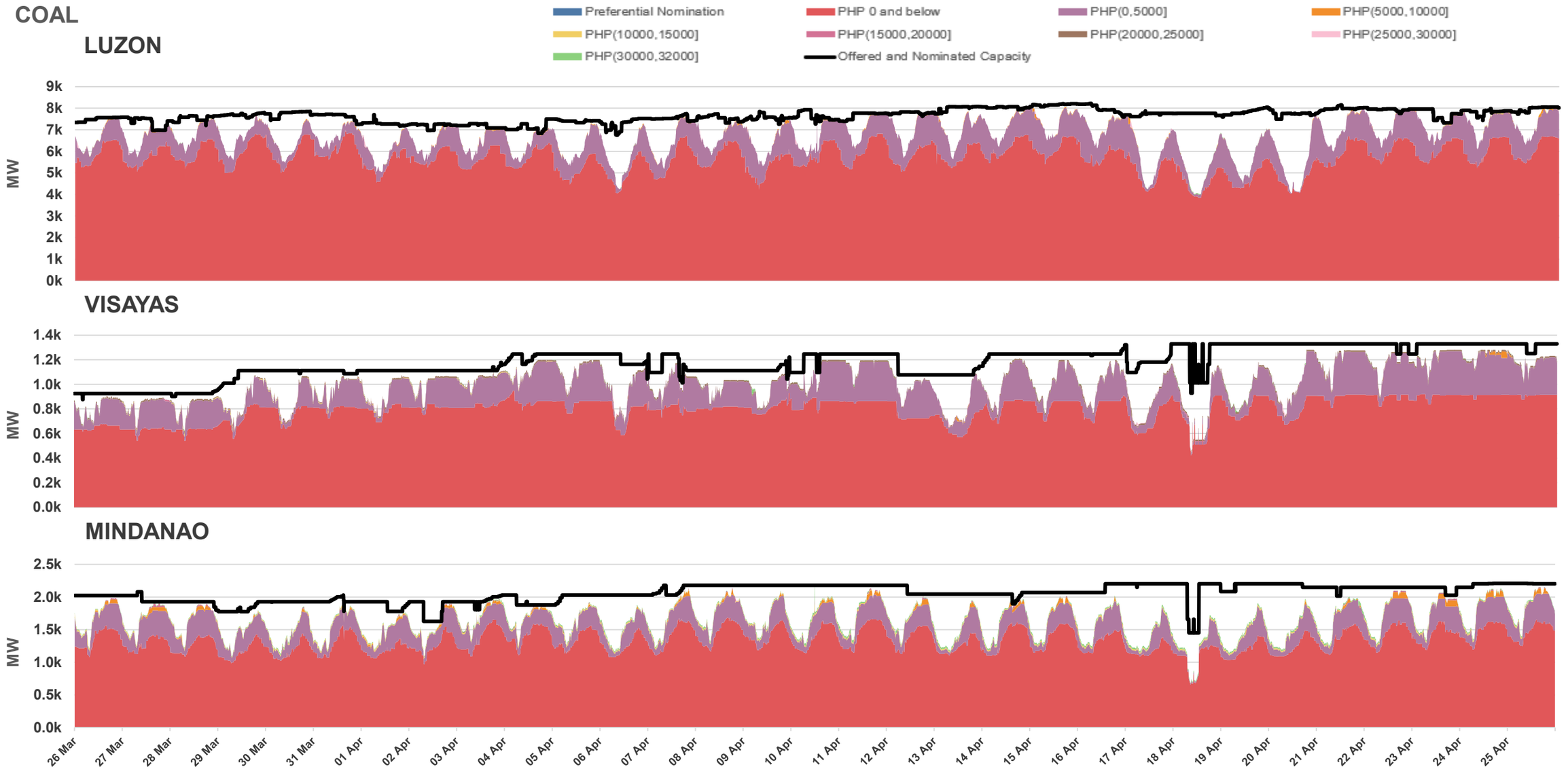


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MARKET OUTCOME
OFFERS
26 March - 25 April 2025

Philippine Electricity Market Corporation

COAL

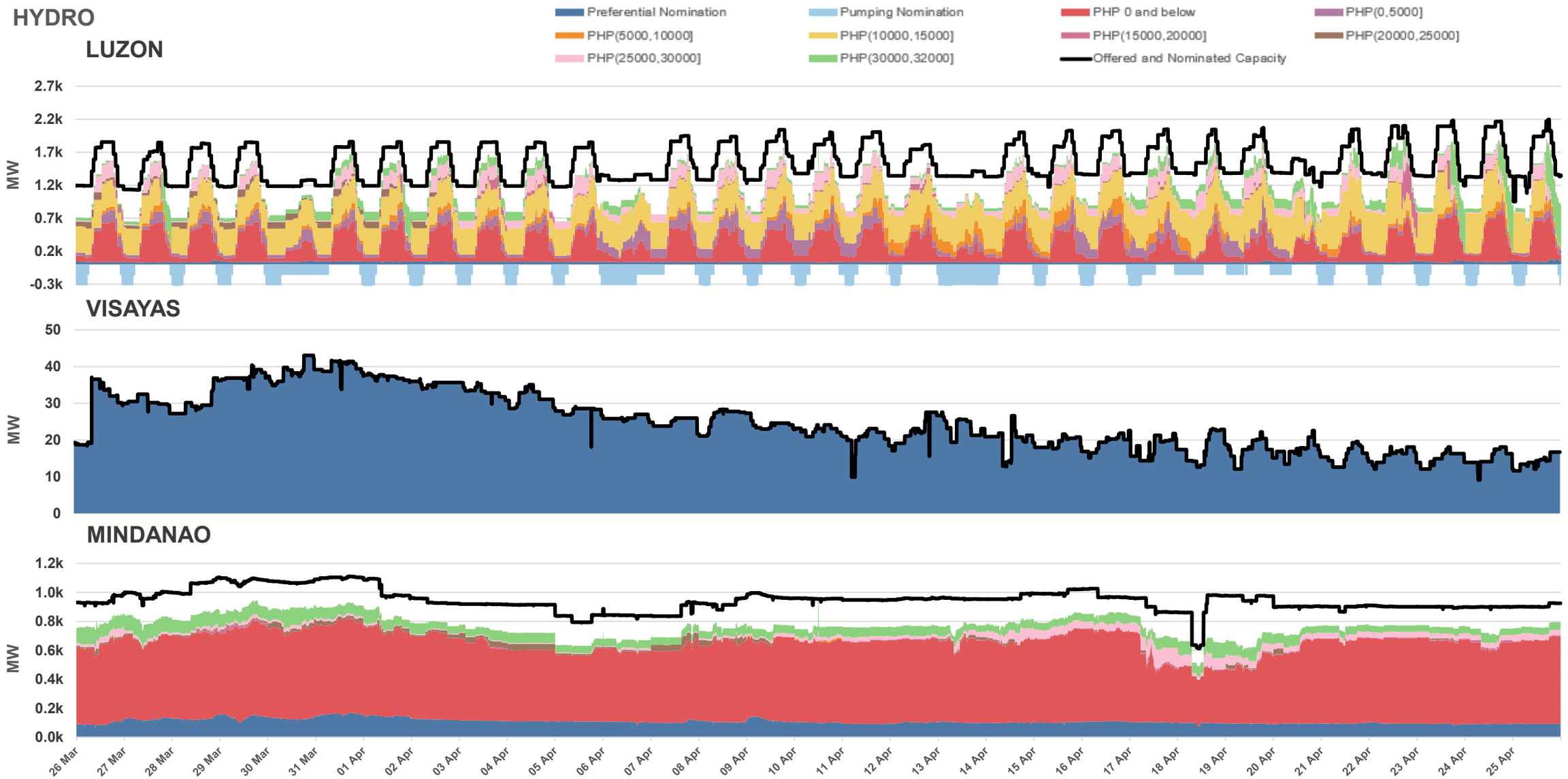


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MARKET OUTCOME
OFFERS
26 March - 25 April 2025

Philippine Electricity Market Corporation

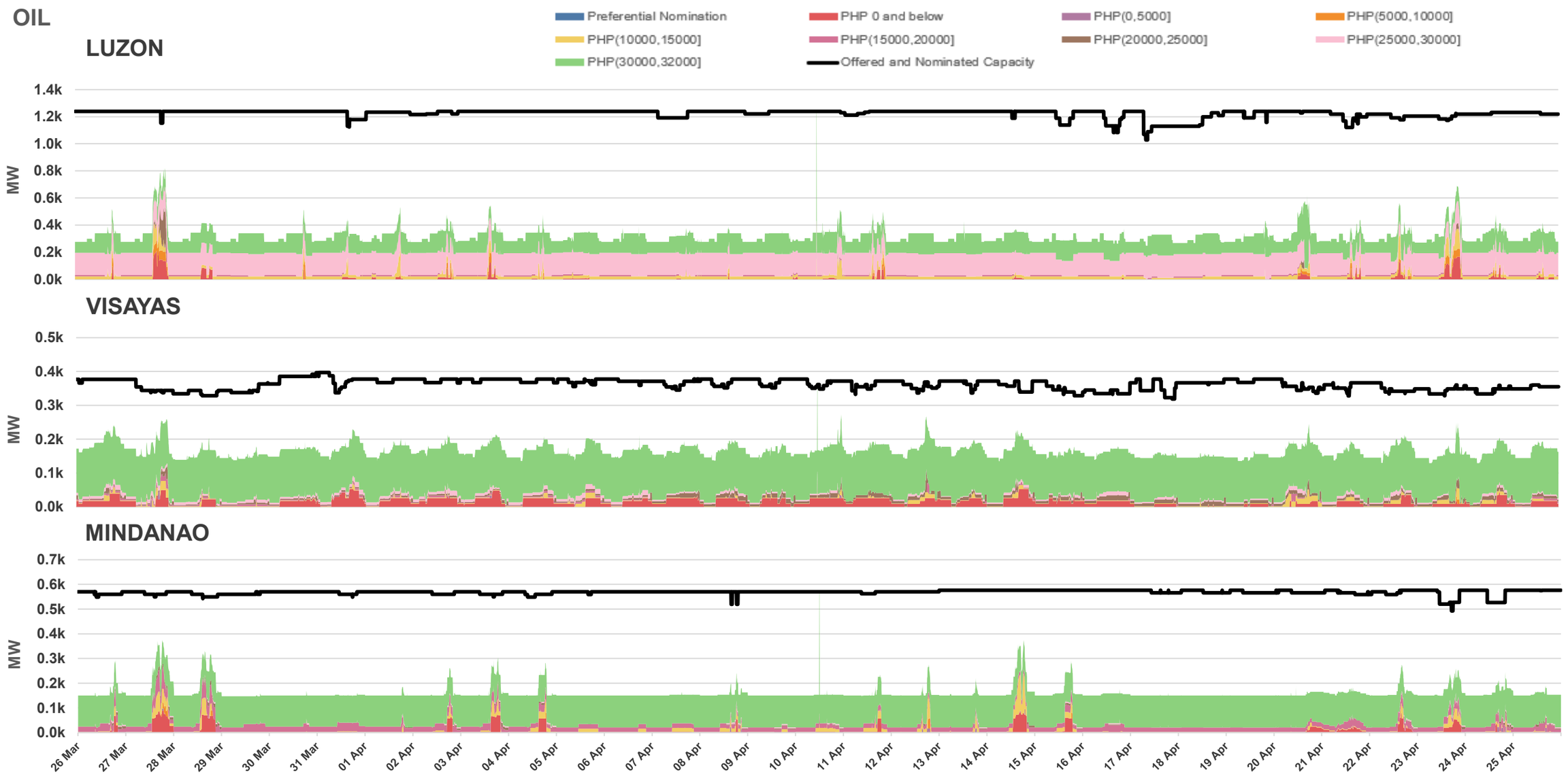
HYDRO



PUBLIC

MARKET OUTCOME
OFFERS
26 March - 25 April 2025

Philippine Electricity Market Corporation



PUBLIC

RESERVE MARKET

AT A GLANCE

26 March - 25 April 2025

Reserve Total Registered Capacity (in MW)

5,112.40

18% of the total Registered Capacity

Previous Month: 5,191

1.51% ▼

		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	2,058.00	10,054.37	219.60	23,625.68	481.50	24,180.67
	Down		9,839.79		23,414.53		24,185.10
Contigency		2,336.00	2,220.79	285.50	4,844.06	839.80	1,563.59
Dispatchable		2,619.00	1,089.74	359.50	5,945.75	498.60	0.27

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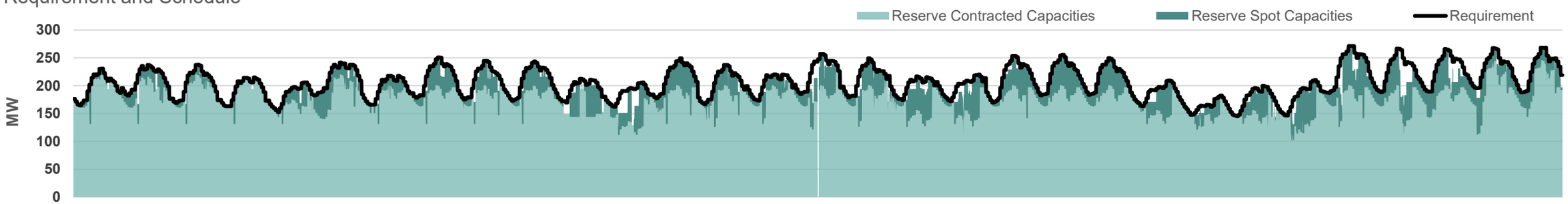
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

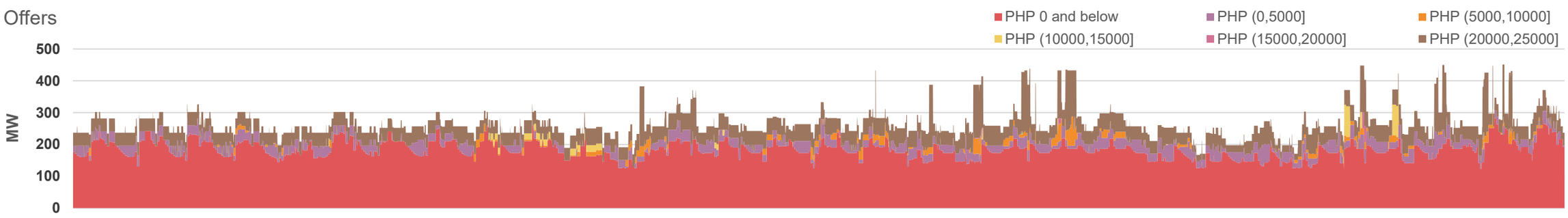
Philippine Electricity Market Corporation

LUZON - REGULATING UP

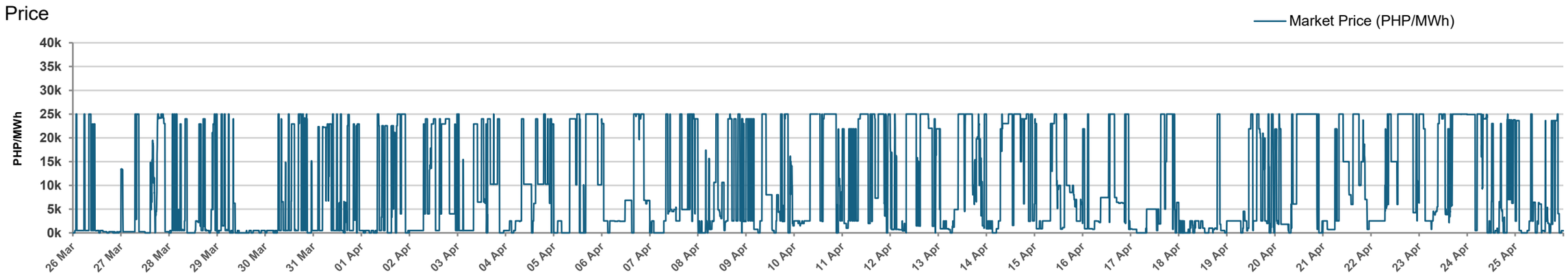
Requirement and Schedule



Offers



Price



PUBLIC

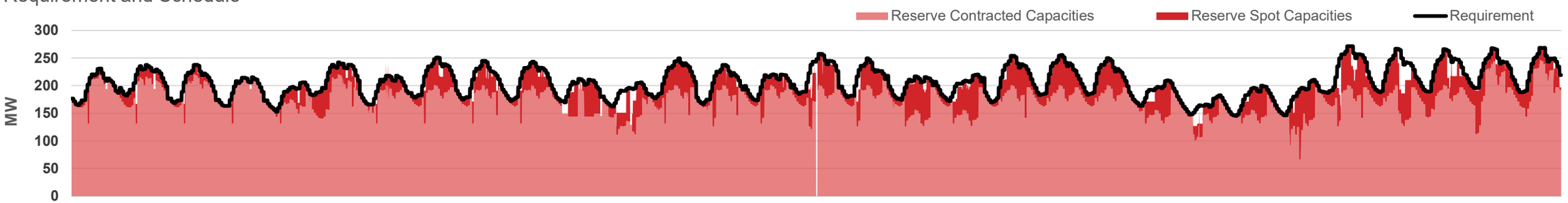
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

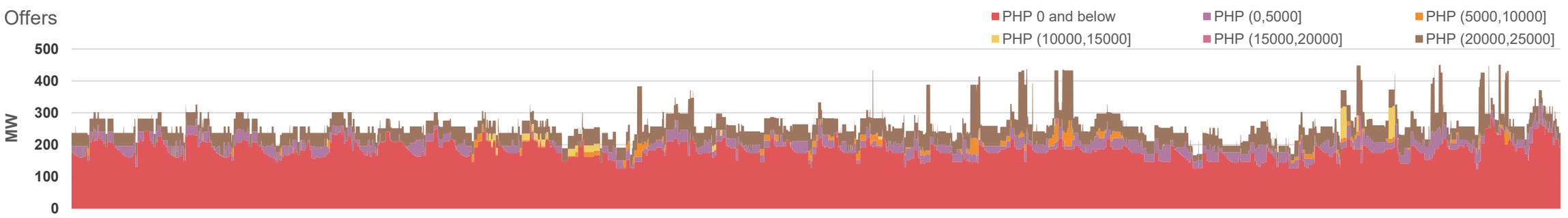
Philippine Electricity Market Corporation

LUZON - REGULATING DOWN

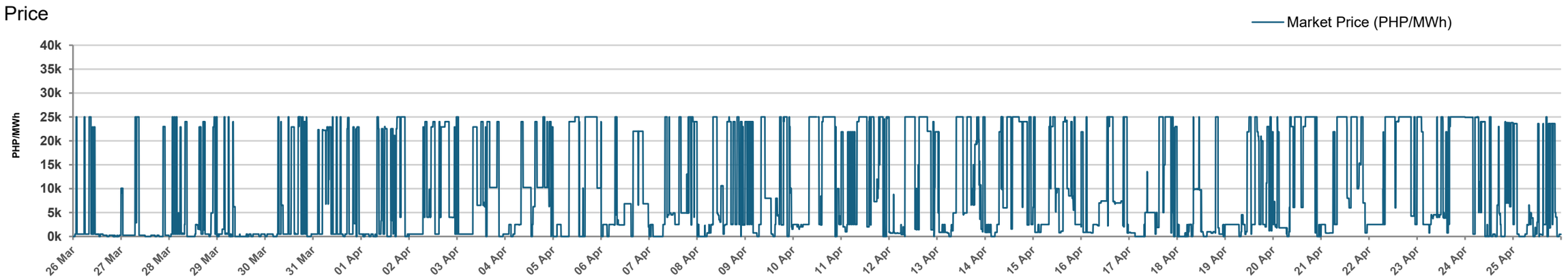
Requirement and Schedule



Offers



Price



PUBLIC

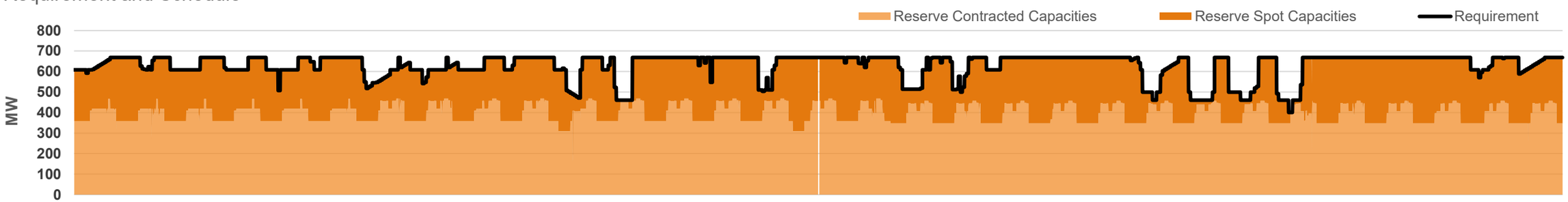
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

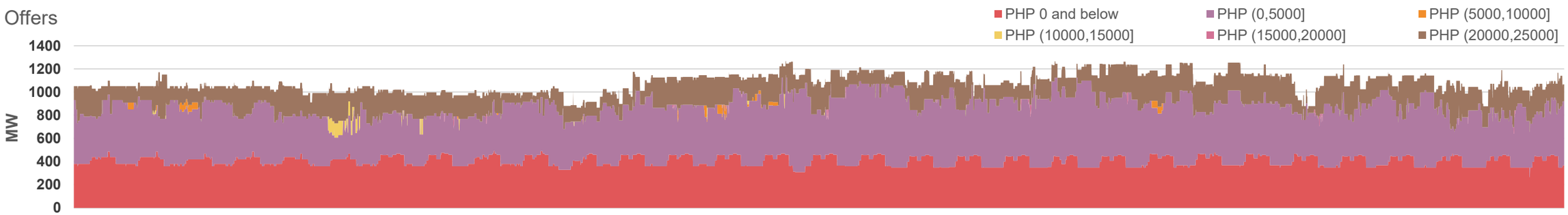
Philippine Electricity Market Corporation

LUZON - CONTINGENCY

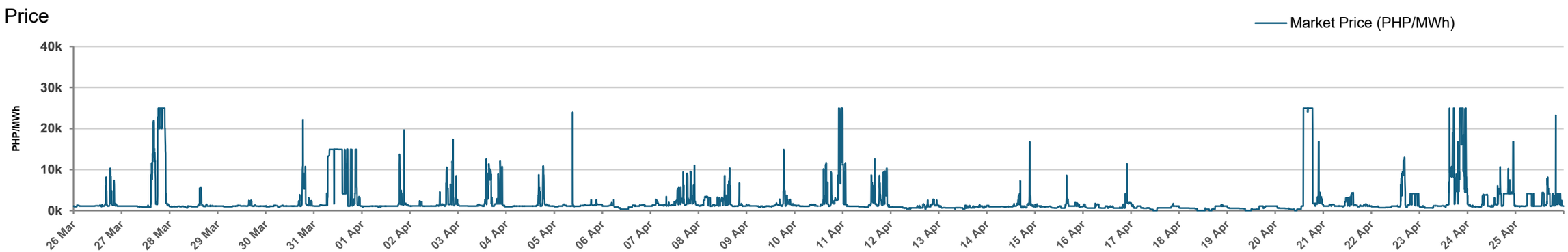
Requirement and Schedule



Offers



Price



PUBLIC

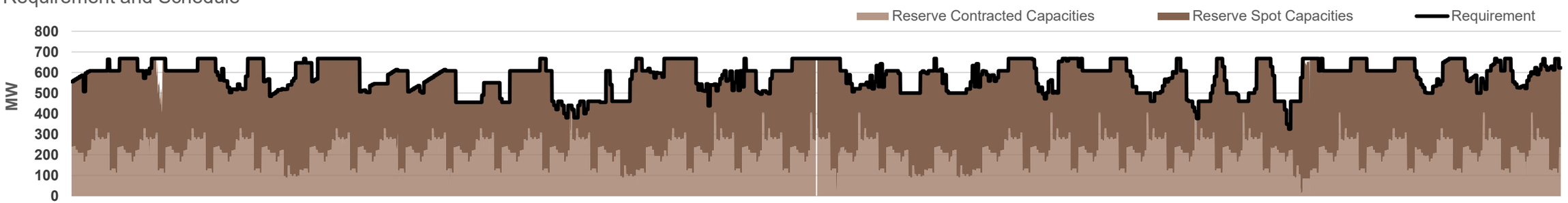
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

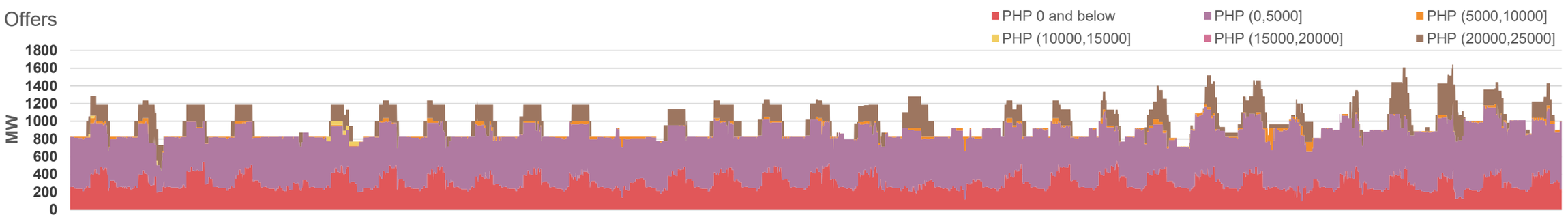
Philippine Electricity Market Corporation

LUZON - DISPATCHABLE

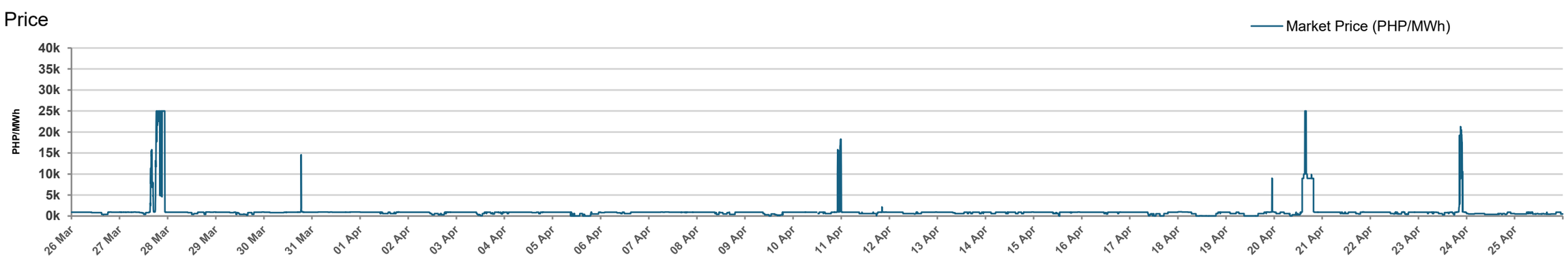
Requirement and Schedule



Offers



Price



PUBLIC

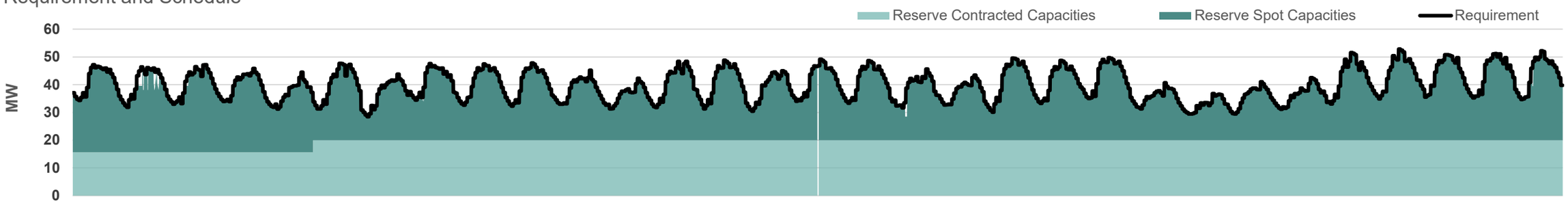
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

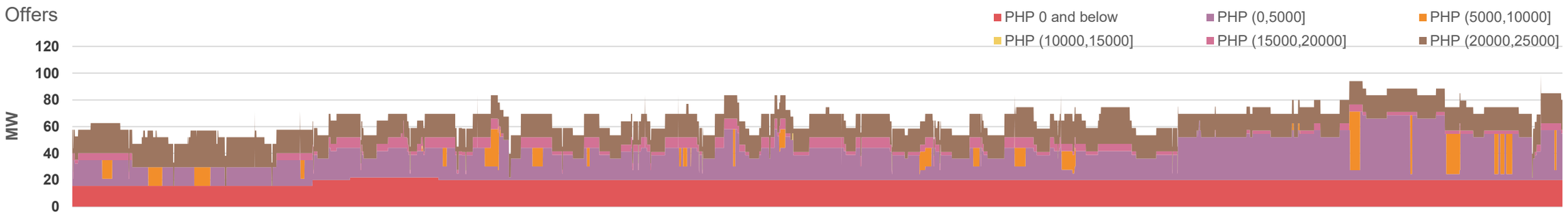
Philippine Electricity Market Corporation

VISAYAS - REGULATING UP

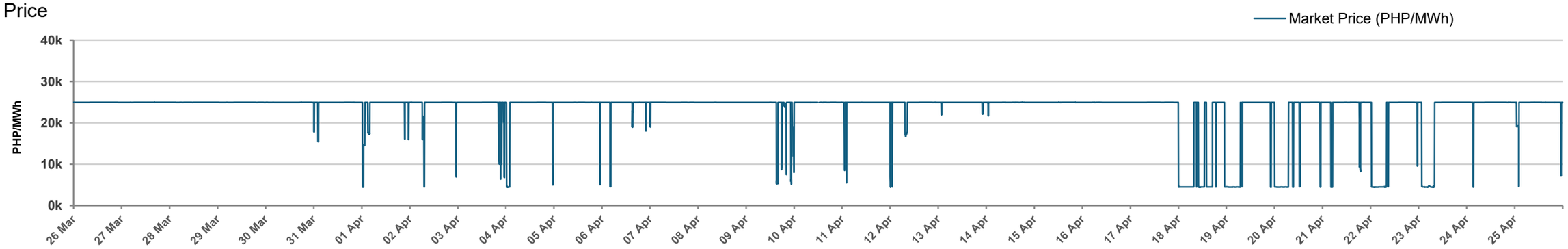
Requirement and Schedule



Offers



Price



PUBLIC

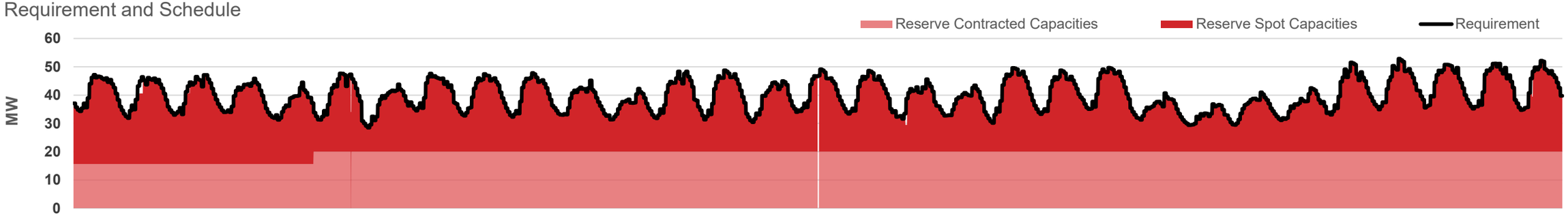
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

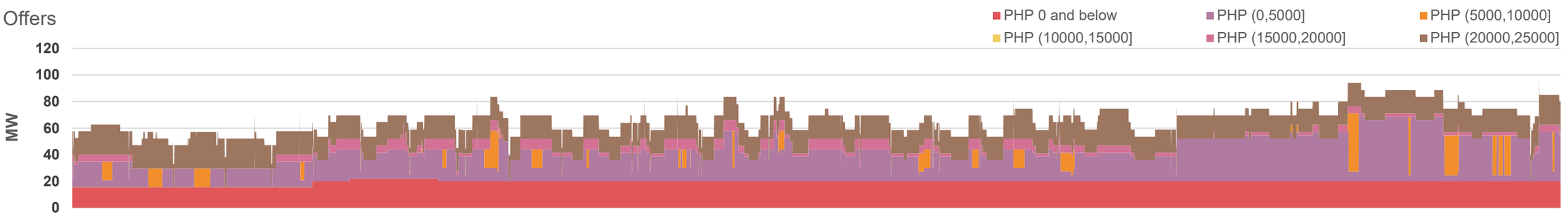
Philippine Electricity Market Corporation

VISAYAS - REGULATING DOWN

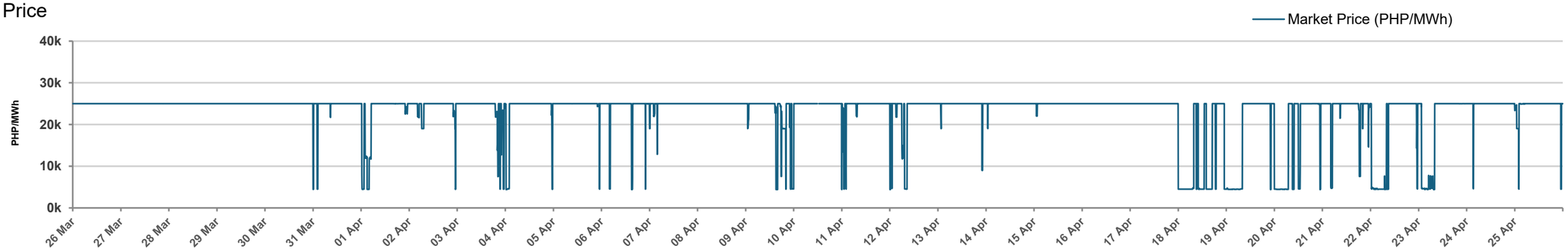
Requirement and Schedule



Offers



Price



PUBLIC

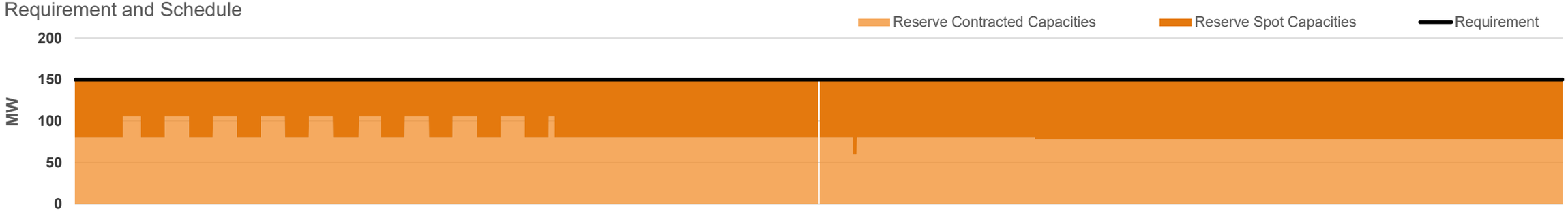
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

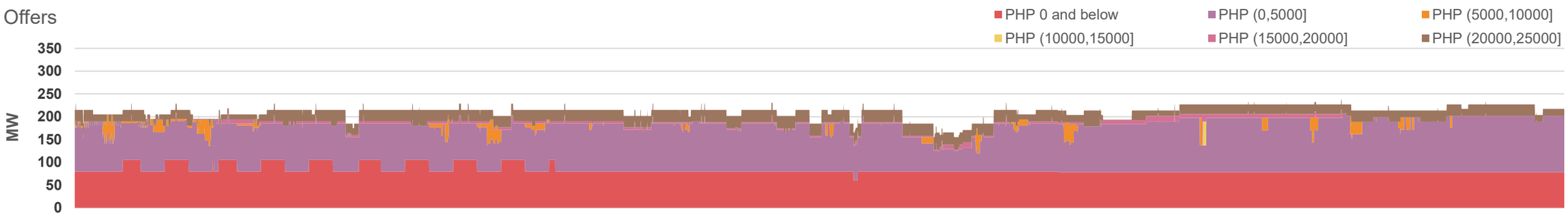
Philippine Electricity Market Corporation

VISAYAS - CONTINGENCY

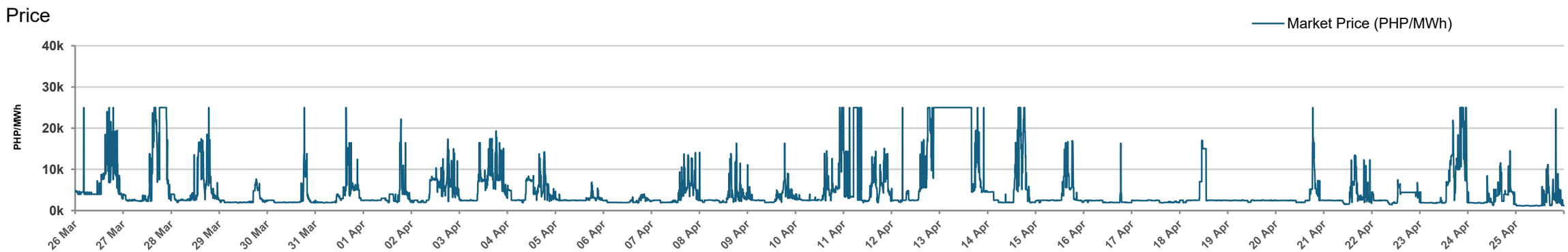
Requirement and Schedule



Offers



Price



PUBLIC

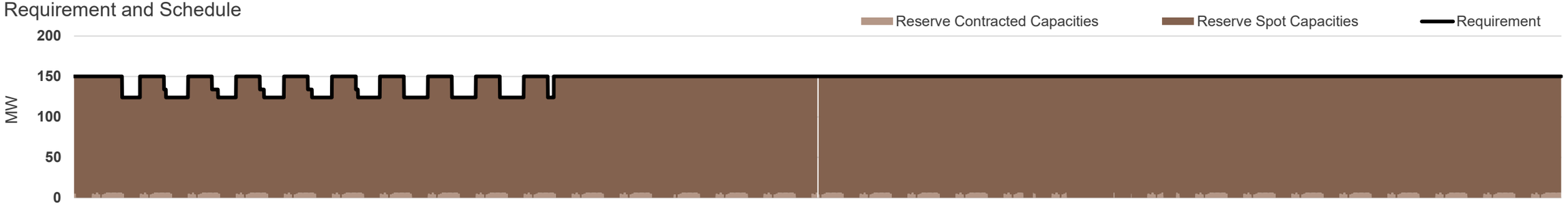
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

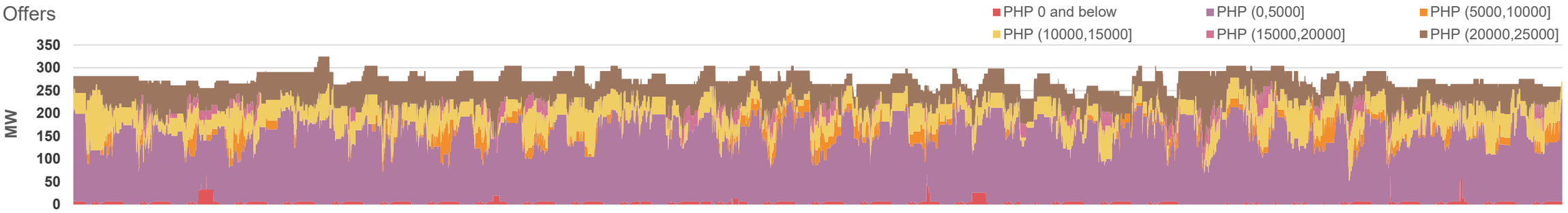
Philippine Electricity Market Corporation

VISAYAS - DISPATCHABLE

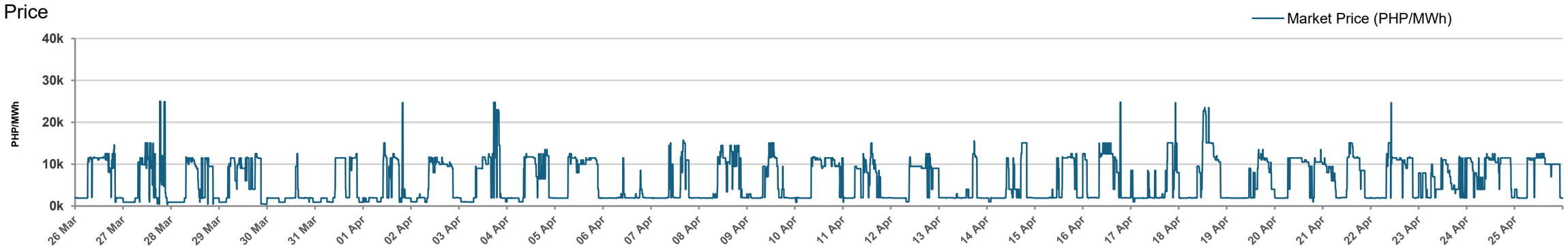
Requirement and Schedule



Offers



Price



PUBLIC

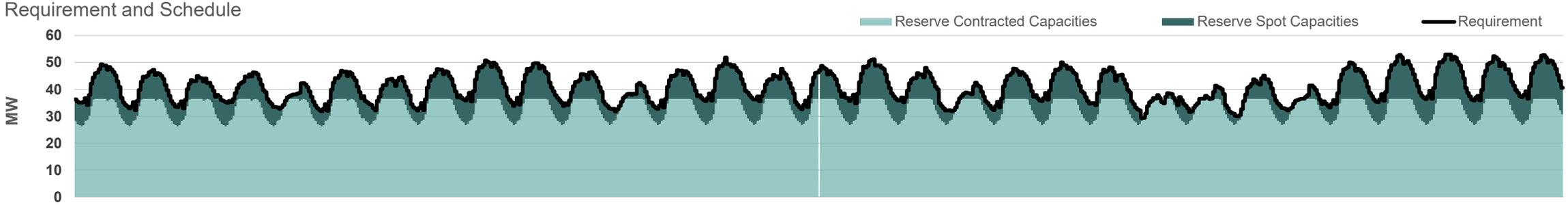
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

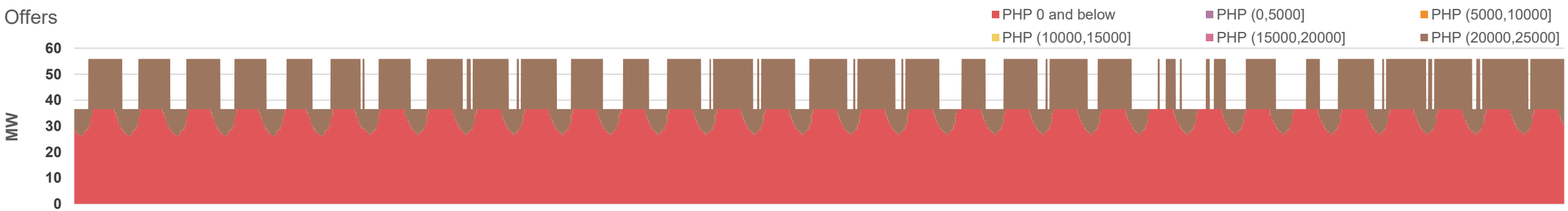
Philippine Electricity Market Corporation

MINDANAO - REGULATING UP

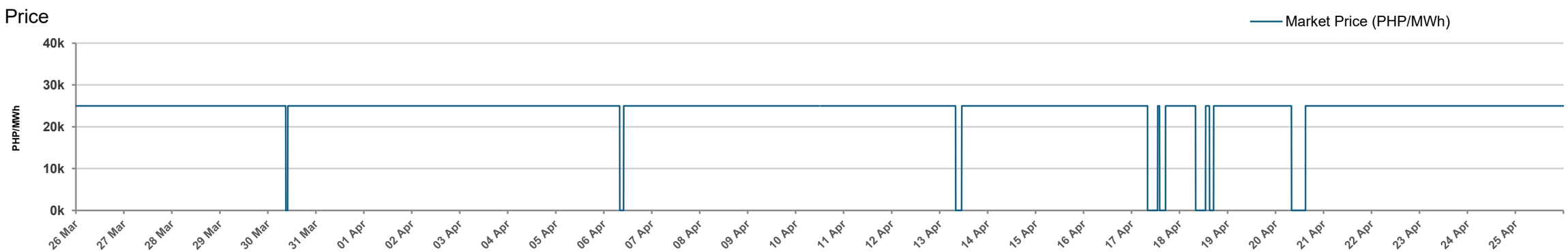
Requirement and Schedule



Offers



Price



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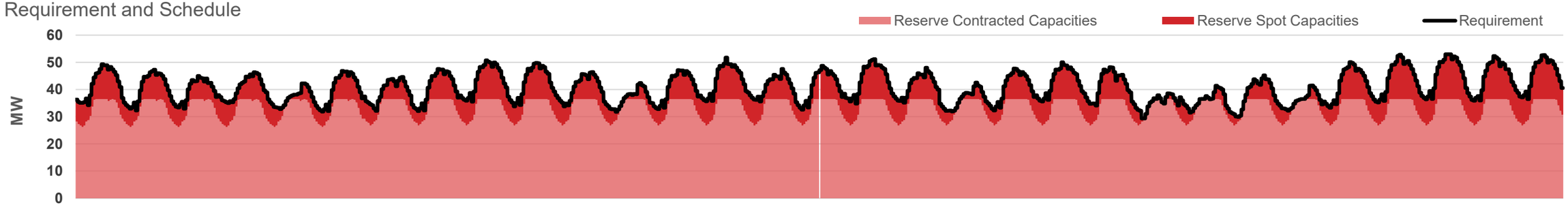
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

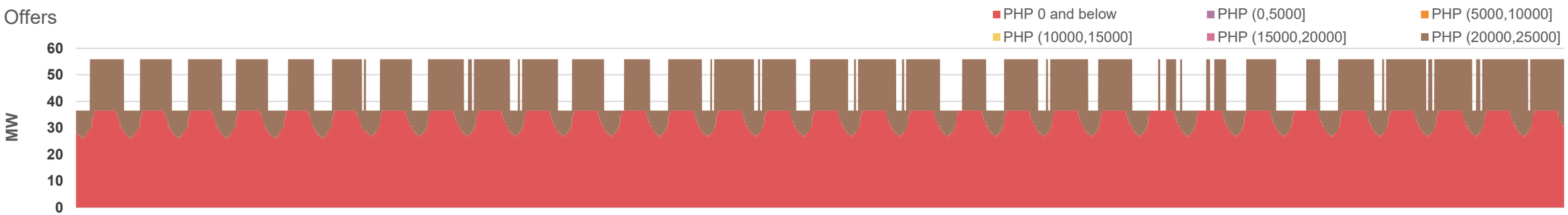
Philippine Electricity Market Corporation

MINDANAO - REGULATING DOWN

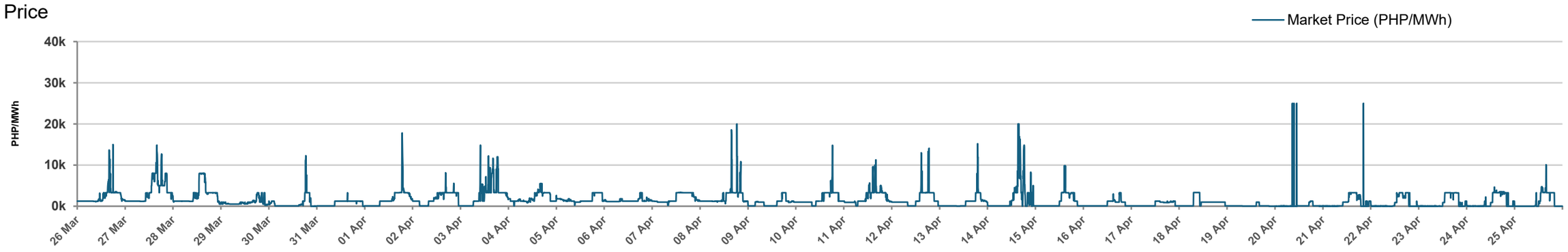
Requirement and Schedule



Offers



Price



PUBLIC

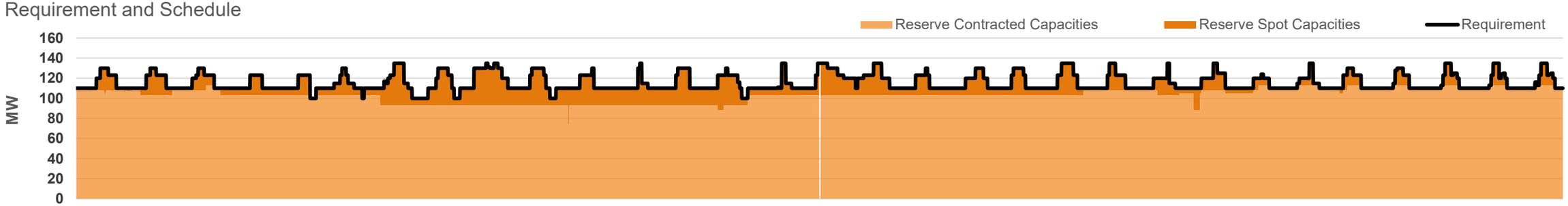
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

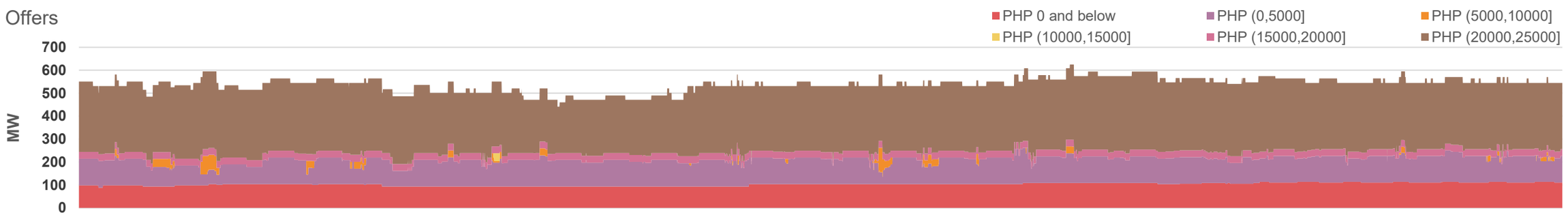
Philippine Electricity Market Corporation

MINDANAO - CONTINGENCY

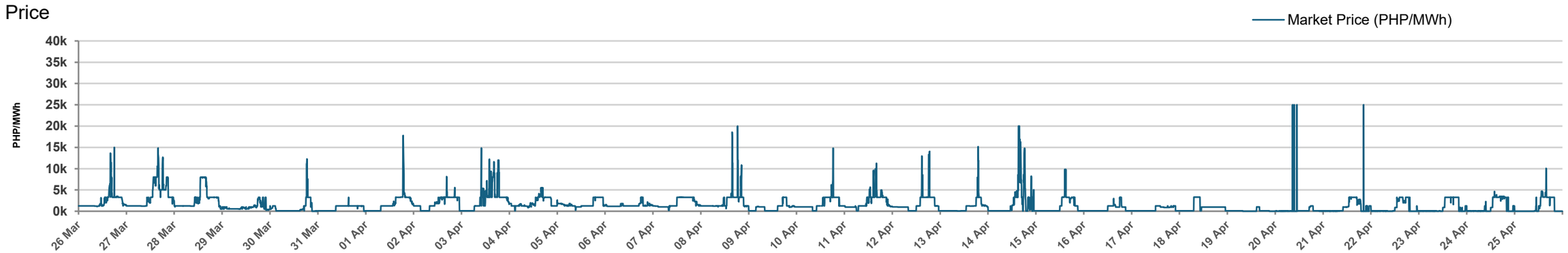
Requirement and Schedule



Offers



Price



PUBLIC

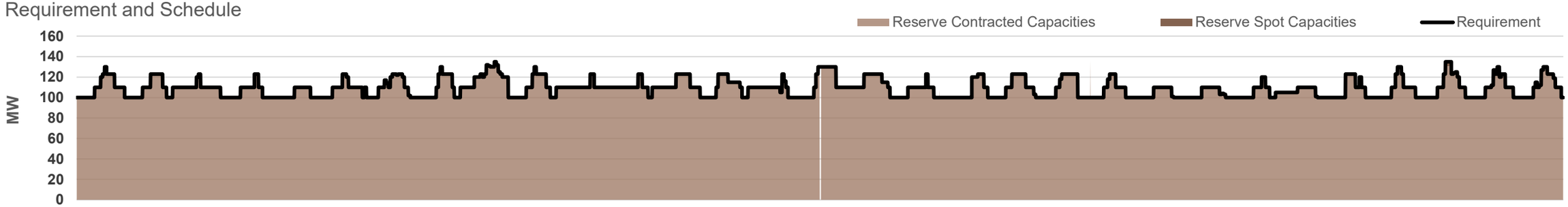
MARKET OUTCOME
RESERVE MARKET

26 March - 25 April 2025

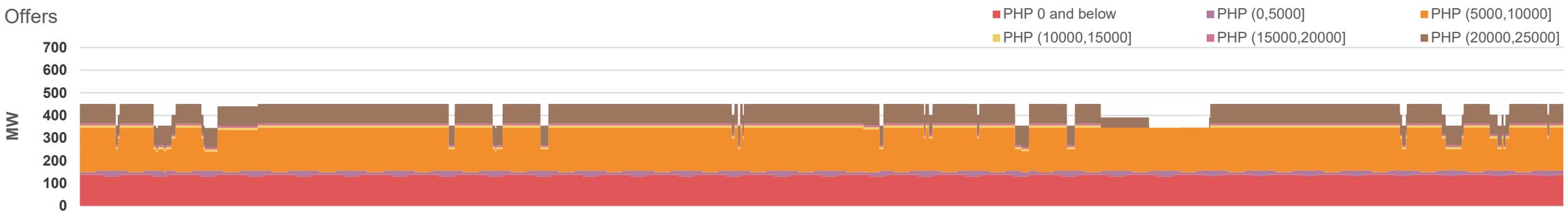
Philippine Electricity Market Corporation

MINDANAO - DISPATCHABLE

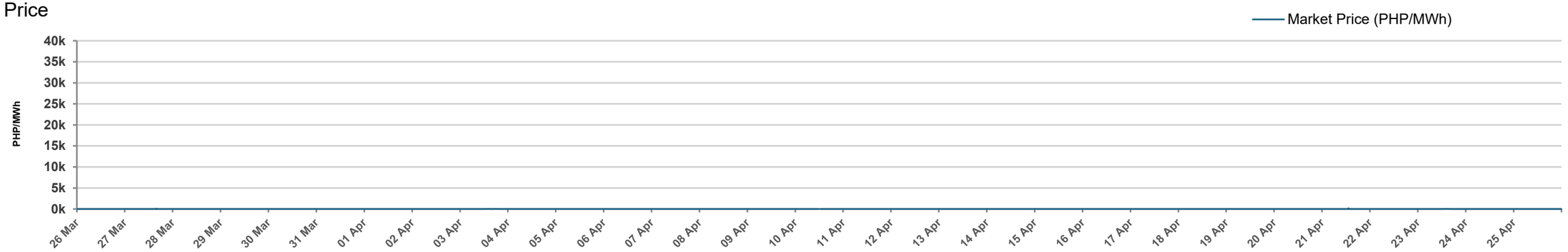
Requirement and Schedule



Offers



Price



PUBLIC

MARKET OUTCOME
RESERVE MARKET
26 March - 25 April 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	173.38	86%	29.18	14%	0.10	219.00	3,281	37%	183.33%▲	0.00	25,000.00	8,932.49	0.00%▲
Visayas	19.29	48%	20.71	52%	0.05	39.75	3,447	39%	26.68%▲	4,400.00	25,000.00	24,989.36	0.00%▲
Mindanao	33.05	81%	20.71	51%	0.01	40.58	4,361	49%	28.64%▲	0.00	25,000.00	24,127.44	0.00%▼
Regulating Down													
Luzon	173.75	86%	29.41	14%	0.10	219.00	3,150	35%	194.39%▲	0.00	25,000.00	7,884.02	0.00%▲
Visayas	19.28	48%	20.74	52%	0.05	39.75	3,419	38%	4.11%▲	4,410.00	25,000.00	24,984.56	0.00%▼
Mindanao	33.04	81%	7.83	19%	0.01	40.58	4,362	49%	28.60%▲	0.00	25,000.00	24,127.44	0.00%▼
Contigency													
Luzon	396.71	63%	232.97	37%	0.10	668.00	298	0.03	213.68%▲	0.00	25,000.00	5,712.22	0.00%▼
Visayas	82.69	55%	67.31	45%	0.10	150.00	18	0.00	92.65%▼	1,110.00	25,000.00	12,341.58	0.00%▲
Mindanao	102.95	89%	12.79	11%	0.10	110.00	342	0.04	4.20%▼	0.00	25,000.00	1,130.99	0.00%▼
Dispatchable													
Luzon	218.05	38%	362.67	63%	0.10	622.00	809	9%	405.63%▲	0.00	25,000.00	1,597.39	0.00%▲
Visayas	3.17	2%	143.18	98%	0.10	150.00	529	6%	119.50%▲	430.00	25,000.00	3,624.09	0.00%▲
Mindanao	108.98	100%	0.05	0%	0.10	100.00	2,142	24%	28.26%▲	0.00	200.00	16.99	0.00%▲

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ANNEX
OUTAGE SUMMARY
26 March - 25 April 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Luzon			
BAT	03LUMBAN_BAT	50	12/24/2024 0:16			Maintenance	Ongoing testing and commissioning.
BAT	01MAGAPIT_BAT	40	10/16/2024 18:10			Forced	For retesting by Noah Unida.
BIOF	01GFII_G01	15.8	4/12/2025 23:25	4/13/2025 7:00	1	Forced	The unit tripped due to boiler low pressure.
BIOF	01CAGBIO_G01	13.5	3/10/2025 0:00	3/31/2025 0:00	21	Maintenance	Semi-annual maintenance
BIOF	01GIFT_G01	12	3/28/2025 16:17	3/29/2025 4:36	1	Forced	Affected by the outage of Cabanutan - Fatima 69kV Line
BIOF	01GIFT_G01	12	4/14/2025 0:02	4/15/2025 7:33	1	Maintenance	Maintenance Outage
BIOF	01GIFT_G01	12	4/23/2025 22:37	4/24/2025 0:57	1	Forced	Tripped due to IDF trouble.
BIOF	01IPOWER_G02	10.8	3/28/2025 16:17	3/29/2025 3:53	1	Forced	Affected by the outage of Cabanutan - Fatima 69kV Line
BIOF	01IPOWER_G01	10.8	3/28/2025 16:17	3/29/2025 3:45	1	Forced	Affected by the outage of Cabanutan - Fatima 69kV Line
BIOF	01GRGOLD_G01	10.8	3/28/2025 16:17	3/29/2025 3:50	1	Forced	Affected by the outage of Cabanutan - Fatima 69kV Line
BIOF	01GRGOLD_G01	10.8	4/1/2025 20:26	4/5/2025 8:01	4	Forced	Emer. S D due to Bed Ash system trouble.
BIOF	01IPOWER_G01	10.8	4/5/2025 19:00	4/8/2025 8:03	3	Forced	Plant maintenance outage.
BIOF	01IPOWER_G02	10.8	4/25/2025 12:01			Forced	Unplanned shutdown due to induced fan valve trouble.
BIOF	01GIFT_G02	6	3/28/2025 16:17	3/29/2025 4:03	1	Forced	Affected by the outage of Cabanutan - Fatima 69kV Line
BIOF	01GIFT_G02	6	3/31/2025 0:04			Planned	APM
BIOF	01VSGRIP_G01	5.4	3/28/2025 16:17	3/29/2025 3:43	1	Forced	Affected by the outage of Cabanutan - Fatima 69kV Line
BIOF	01VSGRIP_G01	5.4	4/19/2025 15:01	4/23/2025 8:02	4	Forced	Unplanned shutdown due to fuel feeding system trouble.
BIOF	01LASUER_U01	5.1	4/17/2025 15:38	4/21/2025 6:37	4	Maintenance	Outage during Easter.
BIOF	03BBEC_G01	5	4/23/2025 7:19			Forced	Electro precipitator trouble.
BIOF	02PNGEA_G01	0.6	3/10/2025 16:30			Forced	Defective relay module for control system main breaker.
COAL	01GNPD_U01	668	4/1/2025 7:07	4/4/2025 17:47	3	Forced	Unplanned shutdown to facilitate the correction of clogged submerged scraper conveyor.
COAL	01MARVEL_G02	316	2/7/2025 0:05	3/28/2025 23:59	49	Planned	Planned Outage until March 28, 2025.
COAL	01MARVEL_G02	316	3/29/2025 0:00	4/8/2025 23:07	10	Forced	Extended outage
COAL	01MARVEL_G02	316	4/9/2025 18:24	4/14/2025 17:31	5	Forced	Induced Draft Fan 2B oil leak.
COAL	03CALACA_G02	300	4/8/2025 20:08	4/9/2025 15:40	1	Forced	Emergency shutdown due to breaker terminal hotspot.
COAL	03CALACA_G02	300	4/17/2025 8:25	4/19/2025 7:50	2	Forced	Hotspot at pasmo breaker
COAL	03CALACA_G01	240	4/4/2025 15:41	4/7/2025 11:17	3	Forced	Main fuel and turbine trip
COAL	01SMC_G02	150	2/15/2025 5:26	3/30/2025 12:14	43	Planned	Planned Outage until March 30, 2025.

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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			
COAL	01SMC_G03	150	3/19/2025 23:10	3/29/2025 0:18	10	Forced	Tripped due to boiler tube leak.
COAL	01SMC_G02	150	4/5/2025 4:04	4/7/2025 15:38	2	Forced	Emergency shutdown due to suspected condenser tube fouling
COAL	01SMC_G01	150	4/16/2025 21:10	45767.72917	4	Forced	Emergency shutdown due to Electrostatic precipitator (ESP) problem
GEO	03TIWI_A	60	3/28/2025 9:14	3/29/2025 23:11	1	Forced	Steam Optimization.
GEO	03BACMAN_U02	60	4/9/2025 23:47	4/10/2025 2:26	1	Forced	Tripped due to Loss of 48VDC supply.
GEO	03MEC_G01	32.9	3/30/2025 15:00	4/2/2025 8:00	3	Forced	Substation switchyard maintenance activity.
GEO	03PALAYAN_G01	31	3/16/2025 0:02	3/30/2025 19:46	14	Forced	On test and commissioning.
GEO	03PALAYAN_G01	31	4/23/2025 23:53	4/24/2025 0:59	1	Forced	Tripped due to low temperature condenser low level alarm.
GEO	03TANAWON_G01	20.2	4/20/2025 10:59	4/22/2025 9:00	2	Planned	on commissioning.
GEO	03TGPP_G01	16.7	3/12/2025 21:13			Forced	Shutdown due to booster pump trouble
HYD	03KAL_G02	181	2/3/2025 12:05	4/21/2025 14:38	77	Planned	Planned outage until April 23, 2025.
HYD	03KAL_G02	181	4/21/2025 22:50	4/22/2025 2:13	1	Forced	Under commercial testing coming from annual overhauling.
HYD	01MAGAT_U04	97	3/1/2025 7:08	4/9/2025 15:54	39	Planned	Planned Outage until April 9, 2025.
HYD	01MAGAT_U03	97	3/19/2025 7:04	4/5/2025 22:03	17	Planned	Planned Outage March 19 - April 5, 2025
HYD	01PNTBNG_U01	60	4/22/2025 6:00			Planned	Affected by Planned outage of T01.
HYD	01ANGAT_M	50	6/28/2024 8:01			Maintenance	Replacement of Main Unit No.1 in relation to the ongoing AHEPP Modernization and Rehabilitation Project (September 30, 2025, 2400H).
HYD	01BINGA_U01	35	4/10/2025 8:09	4/14/2025 21:56	4	Planned	Planned Outage until April 15, 2025
HYD	01AMPHAW_G01	12.5	3/3/2025 7:05	3/31/2025 23:59	28	Planned	Planned outage until March 31, 2025.
HYD	01MASIWA_G01	12	3/28/2025 16:17	3/29/2025 4:00	1	Forced	Affected by the outage of Cabanutan - Fatima 69kV Line
HYD	03CLBATO_G01	0.3	4/24/2025 7:00			Planned	Until May 5, installation of HDPE pipe in head race.
NATG	03EERI_G03	440	3/7/2025 0:00	4/1/2025 10:50	25	Maintenance	Testing and commissioning.
NATG	03EERI_G01	440	3/29/2025 8:37	3/31/2025 19:57	2	Maintenance	Fuel Tank commissioning.
NATG	03EERI_G02	440	3/29/2025 8:47			Maintenance	Fuel Tank commissioning
NATG	03EERI_G03	440	4/14/2025 23:34			Maintenance	On testing and commissioning.
NATG	03EERI_G02	421.9	3/29/2025 8:47	4/15/2025 0:04	17	Maintenance	Fuel Tank commissioning
NATG	03SNGAB_G01	417.4	4/5/2025 3:59	4/6/2025 15:06	1	Forced	Cooling air valve fault trouble
NATG	03STA-RI_G05	265	3/10/2025 23:38	3/29/2025 18:07	19	Maintenance	Maintenance outage until March 24, 2025.

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ANNEX
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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			
NATG	03STA-RI_G06	265	3/18/2025 23:39			Maintenance	Maintenance outage until April 1, 2025.
NATG	03STA-RI_G06	265	4/4/2025 23:52	4/6/2025 1:28	2	Forced	Vacuum condenser problem
NATG	03STA-RI_G05	265	4/10/2025 22:37	4/11/2025 23:53	1	Forced	Shutdown of units to allow looping of Sta. Rita & San Lorenzo Switchyards as contingency for the outage of San Lorenzo-Batangas 230kV Line 2 for the immediate correction of hotspots
NATG	03STA-RI_G06	265	4/10/2025 22:42	4/11/2025 4:50	1	Forced	Shutdown of units to allow looping of Sta. Rita & San Lorenzo Switchyards as contingency for the outage of San Lorenzo-Batangas 230kV Line 2 for the immediate correction of hotspots
NATG	03STA-RI_G04	263	3/29/2025 23:44	3/30/2025 19:52	1	Maintenance	Compressor off-line washing.
NATG	03STA-RI_G03	263	4/18/2025 0:17	4/21/2025 6:50	3	Maintenance	Boiler leak rectification
NATG	03STA-RI_G04	263	4/21/2025 23:44	4/22/2025 2:13	1	Forced	Unplanned outage to facilitate refilling of oil at generator circuit breaker.
NATG	03ILIJAN_G02	220	3/29/2025 6:25	4/1/2025 15:26	3	Maintenance	Fuel Tank commissioning.
NATG	03ILIJAN_G01	220	3/29/2025 7:32	3/31/2025 14:49	2	Maintenance	Fuel Tank commissioning
NATG	03ILIJAN_G02	220	4/1/2025 18:15	4/2/2025 16:41	1	Forced	Uncontrollable GT2-1 fuel gas pilot valve
NATG	03ILIJAN_G01	220	4/8/2025 23:44	4/9/2025 8:27	1	Forced	Emergency shutdown to facilitate repair on the damaged CCVT.
NATG	03ILIJAN_G02	190	3/29/2025 6:39	3/31/2025 22:25	2	Maintenance	Fuel Tank commissioning.
NATG	03ILIJAN_G01	190	3/29/2025 7:18	3/31/2025 16:38	2	Maintenance	Fuel Tank commissioning
NATG	03ILIJAN_G01	190	3/29/2025 8:34	3/31/2025 13:26	2	Maintenance	Fuel Tank commissioning
NATG	03ILIJAN_G02	190	3/31/2025 23:20	4/1/2025 4:57	1	Forced	Tripped while on start-up process.
NATG	03ILIJAN_G02	190	4/1/2025 11:24	4/2/2025 23:26	1	Forced	Emergency shutdown due to large blade path temp trend change.
NATG	03ILIJAN_G02	190	4/1/2025 18:25	4/2/2025 2:14	1	Forced	Uncontrollable GT2-1 fuel gas pilot valve
NATG	03ILIJAN_G01	190	4/8/2025 23:28	4/9/2025 9:40	1	Forced	Emergency shutdown to facilitate repair on the damaged CCVT.
NATG	03ILIJAN_G01	190	4/8/2025 23:53	4/9/2025 7:10	1	Forced	Emergency shutdown to facilitate repair on the damaged CCVT.
NATG	03ILIJAN_G02	190	4/16/2025 2:57			Forced	Checking of flow control valve
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
OIL	03MALAYA_G02	130	7/24/2024 21:24			Forced	Tripped due to loss prime of CWP
OIL	01BAUANG_GS2	70	4/17/2025 8:01	4/18/2025 13:26	1	Maintenance	Replacement of SFO supply pipeline

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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			
OIL	01CIP2_G01	20	4/21/2025 17:54	4/23/2025 20:01	2	Forced	Switch gear problem.
OIL	03RCBMI_G01	5.5	3/31/2025 17:19	4/2/2025 8:01	2	Forced	Unavailable due to SF6 low pressure.
SOLR	01ARESOL_G01	37.8	4/5/2025 17:00	4/6/2025 5:56	1	Forced	Affected by the forced outage of Concepcion-Camiling 69kV line.
SOLR	03MEC_G01	32.9	3/30/2025 15:00			Forced	Substation switchyard maintenance activity.
WIND	01NWIND_G01	32.4	4/22/2025 17:50			Forced	Power quality test without generation.
				Visayas			
BIOF	06VMC_G02	35	4/17/2025 7:24	4/22/2025 17:02	5	Forced	Shutdown to conduct maintenance activity.
BIOF	06STNEGB_G01	25	3/27/2025 20:40	4/21/2025 11:45	25	Forced	Emergency shutdown due to shredder problem.
BIOF	06BISCOM_G01	12.7	4/18/2025 0:07	4/21/2025 23:59	3	Forced	Shutdown to conduct maintenance activity.
BIOF	06CABI_G01	12	4/17/2025 21:47	4/21/2025 8:58	4	Forced	Shutdown to conduct maintenance activity.
BIOF	06HPCO_G02	9.5	3/30/2025 20:10	4/1/2025 8:12	2	Forced	Shutdown due to weekly maintenance.
BIOF	06HPCO_G02	9.5	4/6/2025 13:57	4/7/2025 16:52	1	Forced	Shutdown due to weekly maintenance.
BIOF	06HPCO_G02	9.5	4/13/2025 14:44	4/14/2025 17:30	1	Forced	Shutdown due to weekly maintenance.
BIOF	06HPCO_G02	9.5	4/17/2025 12:30	4/22/2025 11:16	5	Forced	Shutdown to conduct maintenance activity.
BIOF	06FFHC_G01	9	3/31/2025 5:09	4/1/2025 9:24	1	Forced	weekly maintenance
BIOF	06FFHC_G01	9	4/7/2025 5:51	4/8/2025 7:29	1	Forced	Shutdown due to weekly maintenance.
BIOF	06FFHC_G01	9	4/14/2025 6:51	4/15/2025 12:39	1	Forced	Offline due to weekly maintenance
BIOF	06FFHC_G01	9	4/18/2025 12:06	4/22/2025 19:45	4	Forced	Shutdown to conduct maintenance activity.
BIOF	06FFHC_G01	9	4/23/2025 21:54	4/24/2025 3:45	1	Forced	Tripped due to stuck up V1 turbine cylinder.
BIOF	08CASA_G01	8	4/16/2025 16:01	4/21/2025 7:55	5	Maintenance	No milling operation for holidays
BIOF	06SCBE_G01	7.4	3/31/2023 10:35			Forced	Plant shutdown
BIOF	08CASA_G02	7	4/15/2024 12:38	4/23/2025 11:37	373	Forced	Due to internal trouble
BIOF	08CASA_G02	7	4/24/2025 19:39			Forced	Cut-out due to zero RTD.
BIOF	06VMC_G01	2.5	4/21/2024 16:20			Forced	Weekly maintenance.
BIOF	06HPCO_G01	2	11/12/2023 20:00			Forced	Defective auxiliary of vibration meter.
COAL	05THVI_U01	169	4/12/2025 5:12	4/13/2025 18:55	1	Forced	Auto tripped due to Steam drum level high
COAL	08PALM_G01	135	3/20/2025 14:28	3/27/2025 14:27	7	Maintenance	Unplanned Outage. Implementation of new generator and TR protection settings and protection relay testing.

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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
				Visayas			
COAL	08PALM_G01	135	3/27/2025 14:28	4/3/2025 17:45	7	Forced	Unexpected boiler issue
COAL	08PALM_G01	135	4/7/2025 19:26	4/9/2025 16:42	2	Forced	High cooling water temperature
COAL	05KSPC_G02	103	3/12/2025 1:05	3/29/2025 8:05	17	Planned	Manually cut-out for APMS
COAL	05TPC_G02	83.6	3/24/2025 19:52	3/28/2025 21:33	4	Forced	Tripped due to boiler tube leak.
COAL	05CEDC_U03	83.1	3/1/2025 0:20	3/31/2025 0:00	30	Planned	GOMP
COAL	05CEDC_U03	83.1	3/31/2025 0:01	4/16/2025 20:35	16	Forced	Turbine problem
GEO	04LEYTE_A	77.5	7/8/2024 5:43			Forced	Due to high vibration
GEO	04LGPP_G01	41	3/28/2025 0:37	3/29/2025 14:31	1	Maintenance	To facilitate conduct of BESS stability tests
GEO	04LGPP_G01	40.2	3/28/2025 0:37	3/29/2025 11:59	1	Maintenance	To facilitate conduct of BESS stability tests
GEO	04LGPP_G01	39.3	3/28/2025 0:37	3/29/2025 13:11	1	Maintenance	To facilitate conduct of BESS stability tests
GEO	04LEYTE_A	30	10/23/2024 8:21			Maintenance	Emergency repair of air-cooled condenser
GEO	04LEYTE_A	27.5	10/23/2024 8:25	4/17/2025 0:08	176	Maintenance	Emergency repair of air-cooled condenser
GEO	04LEYTE_A	27.5	4/17/2025 21:41	4/18/2025 19:07	1	Forced	Ground fault.
GEO	04LEYTE_A	6.475	4/12/2025 23:01	4/13/2025 0:46	1	Forced	Under Assessment.
GEO	04LEYTE_A	5	4/5/2025 16:15	4/6/2025 17:22	1	Forced	Due to governor controller module fault activation.
GEO	06BBGPP_G01	4.7	9/24/2024 19:57			Forced	Turbine tripped under test and commissioning.
GEO	04BILGPP_G01	1	10/5/2024 4:39			Forced	Turbine high vibration trip
HYD	08TIMBA_G01	18	3/23/2025 7:19	3/26/2025 9:00	3	Forced	R 6.7 limiter activated
HYD	04UTH_G01	4.7	3/4/2025 15:39	4/5/2025 8:35	32	Forced	Grid Compliance testing (Test and commissioning)
HYD	04UTH_G01	4.7	4/5/2025 9:00	4/7/2025 12:06	2	Forced	Change unit
HYD	04UTH_G01	4.7	4/7/2025 12:06	4/11/2025 7:09	4	Forced	Normal stop Change of unit from 3 to 2.
HYD	04UTH_G01	4.7	4/9/2025 23:48	4/10/2025 0:09	1	Forced	mini circuit breaker for voltage regulation excitation
HYD	04UTH_G01	4.7	4/9/2025 23:48	4/10/2025 0:01	1	Forced	mini circuit breaker for voltage regulation excitation
HYD	04UTH_G01	4.7	4/11/2025 5:02	4/15/2025 10:13	4	Forced	Affected by the isolation of 69kV Taft feeder for PMS
HYD	04UTH_G01	4.7	4/15/2025 10:13	4/19/2025 12:13	4	Forced	Change unit.
HYD	04UTH_G01	4.7	4/19/2025 12:13	4/22/2025 14:28	3	Forced	Change-over of unit from 1 to 3.
HYD	04UTH_G01	4.7	4/22/2025 14:29			Forced	Change-over of unit from 2 to 1.
HYD	07SEVILL_G01	1.25	4/1/2025 8:24	4/3/2025 10:02	2	Forced	Mechanical trouble.

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Visayas			
HYD	07SEVILL_G01	1.25	4/5/2025 10:08	4/7/2025 11:02	2	Forced	Force cut-out from the system due to change unit abnormal sound.
HYD	07SEVILL_G01	1.25	4/7/2025 16:07	4/8/2025 19:55	1	Forced	Failed load testing.
HYD	07SEVILL_G01	1.25	4/9/2025 10:09	4/11/2025 14:22	2	Forced	Unable to increase load.
HYD	07SEVILL_G01	1.25	4/11/2025 14:49	4/15/2025 12:19	4	Forced	Unable to increase load.
HYD	07SEVILL_G01	1.25	4/15/2025 12:23	4/21/2025 16:12	6	Forced	Unable to increase load.
HYD	07SEVILL_G01	1.25	4/25/2025 12:08			Forced	Unable to increase the load.
HYD	07LOBOC_G01	0.4	3/25/2025 23:32	3/26/2025 1:24	1	Forced	Carbon brush replacement.
OIL	07BIDPP_G01	57	4/3/2025 9:47			Forced	Maintenance
OIL	08PDPP3_H	13	4/12/2025 19:27	4/13/2025 1:00	1	Forced	Emergency cut-out due to abnormal sound at cylinder A7
OIL	08PDPP3_H	13	4/20/2025 15:23	4/21/2025 2:05	1	Forced	Due to excessive H2o leak between engine frame and liner of cyl. A8
OIL	08PDPP3_C	12	3/7/2025 18:51	3/29/2025 19:40	22	Forced	Unable to start due to loss of excitation voltage
OIL	05EAUC_U01	11.5	5/13/2024 22:55			Forced	CYLINDER NO. 7 CRANKCASE EXPLOSION
OIL	05EAUC_U04	11.5	3/23/2025 18:03	3/27/2025 6:00	4	Maintenance	Shutdown request of unit to conduct 10 000 type PMS
OIL	05EAUC_U04	11.5	3/27/2025 7:22	3/30/2025 6:00	3	Planned	Shutdown request to conduct seawater pipeline PMS and TR 1&2 APMS.
OIL	05EAUC_U03	11.5	3/27/2025 7:22	3/30/2025 6:00	3	Planned	Shutdown request to conduct seawater pipeline PMS and TR 1&2 APMS.
OIL	05EAUC_U04	11.5	3/30/2025 18:01	3/31/2025 1:40	1	Forced	On-going replacement of injection pump A-4
OIL	05EAUC_U03	11.5	4/4/2025 23:10	4/5/2025 1:15	1	Forced	Tripped due to jacket water inlet pressure low
OIL	05EAUC_U03	11.5	4/17/2025 18:03	4/18/2025 23:59	1	Forced	Unable to cut-in due to water leak at cylinder B-2
OIL	05EAUC_U04	11.5	4/20/2025 4:55	4/23/2025 20:00	3	Forced	Unable to cut-in due to abnormal sound at turbo charger A-bank
OIL	05EAUC_U03	11.5	4/22/2025 8:29	4/25/2025 10:01	3	Forced	Abnormal sound at turbocharger
OIL	05EAUC_U04	11.5	4/23/2025 20:51	4/24/2025 0:34	1	Forced	Unit emergency stop due to fuel booster problem and unusual sound of turbo charger.
OIL	05EAUC_U04	11.5	4/24/2025 23:44			Forced	Shutdown due to unusual sound
OIL	05EAUC_U02	11	3/27/2025 7:22	3/30/2025 6:00	3	Planned	Shutdown request to conduct seawater pipeline PMS and TR 1&2 APMS.
OIL	05EAUC_U02	11	4/15/2025 20:24	4/16/2025 0:47	1	Forced	Unit was manually shutdown due to exhaust gas low temperature at cylinder A7.
OIL	05EAUC_U02	11	4/16/2025 18:23	4/17/2025 3:50	1	Forced	Unable to cut-in due to low EGT at cylinder A-7
OIL	05EAUC_U02	11	4/17/2025 18:04			Forced	Unable to cut-in due to low EGT at cylinder A-7
OIL	05CARMENDPP_U04	10	8/24/2024 0:00			Forced	Detached connecting rods and crank shaft for machining
OIL	05CARMENDPP_U01	10	3/27/2025 8:33	3/29/2025 19:09	2	Forced	Unit emergency shutdown due to left bank turbo charger abnormal sound.

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Visayas							
OIL	05CPPC_U06	6.5	4/6/2025 7:51	4/7/2025 23:22	1	Forced	Emergency cut-out due to cut-off stud-bolt
OIL	05CPPC_U06	6.5	4/7/2025 23:44	4/8/2025 1:00	1	Forced	cut-out due to cut-off stud-bolt
OIL	05CPPC_U05	6.5	4/15/2025 15:14	4/16/2025 16:00	1	Forced	Unit tripped due to main TR1 voltage failure and differential protection trip at 69kV
OIL	05CPPC_U04	6.5	4/15/2025 15:14	4/17/2025 0:25	2	Forced	Unit outage affected by main TR1 voltage failure and differential protection trip at 69kV.
OIL	05CPPC_U03	6.5	4/15/2025 15:14	4/16/2025 16:00	1	Forced	Unit outage affected by main TR1 voltage failure and differential protection trip at 69kV.
OIL	05CPPC_U02	6.5	4/15/2025 15:14	4/17/2025 0:25	2	Forced	Unit outage affected by main TR1 voltage failure and differential protection trip at 69kV.
OIL	05CPPC_U01	6.5	4/15/2025 15:14	4/17/2025 0:25	2	Forced	Unit tripped due to Main TR1 voltage failure and differential protection trip at 69kV
OIL	05CPPC_U09	6.5	4/16/2025 16:00	4/17/2025 0:25	1	Forced	Unit outage affected by Main TR 1 voltage failure and differential protection trip at 69kV
OIL	05CPPC_U10	6.5	4/16/2025 16:00	4/17/2025 0:25	1	Forced	Unit outage affected by Main TR 1 voltage failure and differential protection trip at 69kV
OIL	08STBPB1_U04	6	4/10/2025 9:00	4/16/2025 2:00	6	Forced	MPB Inc. declared forced outage of Unit 4 due to replacement of turbo charger left bank
OIL	08STBPB1_U04	6	4/22/2025 10:30			Forced	Excessive vibration & abnormal sound @ TC left bank
OIL	05TPVI_U01	5.5	10/28/2024 21:53	3/31/2025 9:59	154	Forced	Unable to cut-in unit due to main bearing #6 temperature high
OIL	04CLBYBNK_G01	5.5	4/25/2025 13:30			Forced	tripped due to high lube oil temperature and High temp. water leak.
OIL	08PDPP1_U05	5	4/12/2025 21:10	4/13/2025 0:00	1	Forced	Emergency cut-out due to lube oil leak.
OIL	06CENPRI_U03	4.5	3/20/2025 0:01	3/31/2025 16:19	11	Maintenance	Smokestack replacement.
OIL	07BDPP_U03	4.2	4/17/2025 21:45	4/18/2025 0:01	1	Forced	Lube oil pressure too low.
OIL	08NABASDPP_U01	3	3/29/2025 18:04	3/31/2025 18:30	2	Forced	Engine governor monitoring problem
SOLR	04SEPSOL_G01	40.5	4/7/2025 19:11	4/8/2025 5:56	1	Forced	Affected by the isolation of Victoria-SEPALCO 69kV line portion to facilitate annual PMS.
SOLR	04SEPSOL_G01	40.5	4/8/2025 21:00	4/9/2025 5:27	1	Forced	Plant PMS of Customer
WIND	08PWIND_G02	13.2	3/30/2025 21:43	3/31/2025 0:01	1	Forced	Affected by line tripping
Mindanao							
BIOF	14BIOGS_G01	12.4	4/25/2025 23:50			Forced	Low Methane quality led to engine tripping
BIOF	11CRYSSUG_G01	12	3/30/2025 0:00	3/31/2025 16:00	1	Forced	Affected by weekend shutdown of factory for equipment maintenance.
BIOF	11CRYSSUG_G01	12	4/6/2025 0:00	4/7/2025 16:00	1	Forced	Affected by shutdown of sugar factory.
BIOF	11CRYSSUG_G01	8	4/13/2025 0:00	4/14/2025 16:00	1	Forced	Affected by shutdown of sugar factory.
BIOF	11CRYSSUG_G01	8	4/19/2025 0:00	4/20/2025 15:10	1	Forced	Affected by shutdown of sugar factory.
BIOF	14BIOMS_U01	5.7	10/8/2024 15:56			Forced	Tripped due to SOCOTECO 1 69KV(SRB)line power outage.

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Mindanao			
BIOF	14COTSUGR_G01	3.4	4/6/2025 0:00	4/7/2025 16:00	1	Forced	Affected by shutdown of sugar factory. (OMC Outage)
BIOF	14COTSUGR_G01	3.4	4/17/2025 22:55	4/19/2025 14:19	2	Forced	Shutdown due to repair & maintenance of equipment.
COAL	10GNPK_U01	151.9	3/29/2025 0:06	4/7/2025 2:19	9	Forced	Emergency S D to facilitate repair of boiler tube leak. ETC April 7, 2025.
COAL	13DCPP_U01	151.4	3/27/2025 8:32	3/29/2025 9:38	2	Forced	Tripped. Lockout Relay Triggered
COAL	10GNPK_U02	151	4/4/2025 11:25	4/5/2025 1:36	1	Forced	Tripped. Ind. Drum level low-low.
COAL	13SMC_U02	150	3/25/2025 23:58	3/31/2025 8:07	6	Forced	Emergency S D to troubleshoot Induced Draft Fan (IDF) problem.
COAL	13SMC_U02	150	3/25/2025 23:58			Forced	Emergency shutdown to troubleshoot Induced Draft Fan(IDF) problem.
COAL	13SMC_U02	150	3/31/2025 15:05	4/3/2025 13:17	3	Forced	Emergency shutdown due to trouble with induced draft fan bearing.
COAL	11FDC_U03	135	4/12/2025 9:55	4/16/2025 13:46	4	Forced	Emergency shutdown due to clogged coal feeder.
COAL	14SARANG_U02	122	4/18/2025 23:58	4/19/2025 7:17	1	Forced	Shutdown to conduct vibration diagnostic activity. ETC April 19 2025
COAL	11MINBAL_G01	55	3/22/2025 0:00	3/27/2025 7:20	5	Forced	Planned Maintenance Outage. (ETC 03 27 25 0600H)
COAL	11MINBAL_G01	55	4/20/2025 16:23			Forced	Tripped. Cause Boiler tube leak.
COAL	10PPEI_U01	24.1	3/18/2025 16:08	4/14/2025 18:28	27	Forced	Emergency shutdown due to SNP levels not stable
COAL	10PPEI_U01	20	3/18/2025 16:08			Forced	Emergency shutdown due to SNP levels not stable
GEO	14MTAPO_U02	50	3/24/2025 0:03	3/27/2025 15:35	3	Forced	Emergency Shutdown (Non-GOMP). ETC March 28, 2025.
GEO	14MTAPO_U03	3.6	3/27/2025 14:49	3/29/2025 20:39	2	Forced	Tripped Unplanned Outage. Ind. Turbine trip due to butane gas detection system alarm.
GEO	14MTAPO_U03	3.6	4/1/2025 12:01	4/2/2025 23:15	1	Forced	Tripped. Indication PH very high.
HYD	11PULA4_U01	75	3/10/2025 8:03	3/28/2025 9:01	18	Planned	PMS-GOMP. ETC April 8, 2025.
HYD	11PULA4_U01	75	4/5/2025 0:05	4/7/2025 15:01	2	Forced	Emergency Shutdown. Cause Minor adjustment of radiator. ETC Apr. 8, 2025
HYD	10AGUS2_U03	60	4/16/2025 8:12	4/18/2025 14:31	2	Planned	PMS(GOMP). ETC April 19, 2025
HYD	10AGUS2_U02	60	4/17/2025 7:53	4/18/2025 14:18	1	Forced	Plant tripped. Indication Governor Trip.
HYD	10AGUS6_U03	50	4/1/2025 9:01	4/5/2025 18:01	4	Planned	PMS(GOMP). ETC April 8, 2025
HYD	10AGUS6_U05	43.8	4/5/2025 8:27	4/8/2025 18:22	3	Forced	Emergency shutdown due to dam seepage.
HYD	10AGUS1_U01	35	4/1/2025 8:05	4/14/2025 17:06	13	Planned	PMS(GOMP). ETC April 16, 2025
HYD	10AGUS1_U01	35	4/17/2025 12:45	4/19/2025 15:09	2	Forced	Plant tripped. Root cause for verification.
HYD	10AGUS6_U02	34.5	4/19/2025 8:35			Forced	Plant tripped due to generator oil leak.
HYD	10AGUS5_U01	27.5	3/25/2025 8:10	3/26/2025 18:26	1	Forced	Maintenance Outage (Non-GOMP). ETC March 27, 2025, 0800H.
HYD	10AGUS5_U02	27.5	4/2/2025 8:04	4/15/2025 16:37	13	Planned	PMS (GOMP). ETC April 26m 2025

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Mindanao			
HYD	10AGUS7_U02	25.3	4/1/2025 9:04	4/25/2025 17:59	24	Planned	PMS(GOMP). ETC May 01, 2025
HYD	13SIBULAN_G01	14	3/11/2025 0:07	3/26/2025 22:00	15	Planned	Plant shutdown due to Annual PMS
HYD	13SIBULAN_G01	14	3/11/2025 0:07	3/27/2025 17:45	16	Planned	Plant shutdown due to Annual PMS
HYD	11MNCBLG_G01	8.8	4/7/2025 1:06	4/12/2025 23:49	5	Forced	Emergency shutdown for preventive maintenance. ETC April 13, 2025
HYD	11MANFOR_G02	6.8	4/11/2025 0:04	4/15/2025 17:02	4	Planned	Planned Maintenance Shutdown. (GOMP) ETC April 15, 2025
HYD	11MANFOR_G02	6.8	4/11/2025 0:04	4/15/2025 15:48	4	Planned	Planned Maintenance Shutdown. (GOMP) ETC April 18, 2025
HYD	11MANFOR_G02	6.8	4/11/2025 0:04	4/15/2025 17:27	4	Planned	Planned Maintenance Shutdown (GOMP) ETC April 18, 2025
HYD	11MANFOR_G02	6.8	4/11/2025 0:05	4/15/2025 18:23	4	Planned	Planned Maintenance Shutdown. (GOMP) ETC April 15a, 2025
HYD	11MINBU_G01	6.6	3/17/2025 7:30	4/3/2025 12:56	17	Maintenance	Cut-out from grid to conduct schedule annual preventive maintenance.
HYD	11MINBU_G01	6.6	4/22/2025 4:02	4/23/2025 22:04	1	Forced	Tripped due to the problem on turbine shaft end cover and bearing spool assembly.
HYD	13EUROH_G01	3	4/19/2025 6:31			Forced	Plant isolated due to transmission line fault. (OMC Outage)
HYD	14ALMADA_G01	2.6	3/25/2025 10:52	3/26/2025 6:55	1	Forced	Plant isolated due to COTELCO PPALMA s feeder outage. (OMC Outage)
HYD	14ALMADA_G01	2.6	3/29/2025 0:10	4/2/2025 8:53	4	Forced	Plant S D due to excessive leaking on the wicked gate assembly ring.
HYD	14ALMADA_G01	2.6	4/6/2025 0:01	4/8/2025 8:45	2	Forced	Plant shutdown due to equipment failure unwanted noise along exciter side of generator.
HYD	14ALMADA_G01	2.6	4/12/2025 0:15	4/15/2025 9:40	3	Forced	Plant shutdown due to generator failure.
HYD	14ALMADA_G01	2.6	4/18/2025 18:55	4/22/2025 9:45	4	Forced	Plant isolated due to COTELCO PPALMA feeder outage. At 2230H failure to start up due to busted diode.
HYD	14ALMADA_G01	2.6	4/23/2025 8:07	4/24/2025 7:55	1	Forced	Plant shutdown due to COTELCO BROWNOUT.(OMC)
HYD	11FGBPC_G01	1.6	4/2/2025 7:10	4/16/2025 0:26	14	Forced	Emergency shutdown for preventive maintenance. ETC April 15, 2025
HYD	13TALOM23_G01	0.93	3/31/2025 7:00			Forced	Plant tripped due to high drive end bearing temperature.
HYD	13TALOM23_G01	0.93	4/5/2025 23:01	4/6/2025 0:36	1	Forced	Affected by DLPC switching activity. (OMC Outage)
HYD	13TALOM1_G01	0.5	3/28/2025 18:39	3/29/2025 4:02	1	Forced	Plant shutdown due to clogged weir intake.
HYD	13TALOM1_G01	0.5	3/28/2025 18:39	3/29/2025 4:11	1	Forced	Plant shutdown due to clogged weir intake.
HYD	13TALOM1_G01	0.5	4/5/2025 23:01	4/6/2025 0:09	1	Forced	Affected by DLPC switching activity. (OMC Outage)
HYD	13TALOM1_G01	0.5	4/14/2025 23:09	4/15/2025 0:08	1	Forced	Plant isolated due to DLPC Malagos recloser tripped. (OMC Outage)
HYD	14MARBEL_U01	0.5	4/25/2025 4:22			Forced	plant shutdown due to overheat bearing temperature
HYD	13TALOM23_G01	0.44	4/1/2025 0:04	4/8/2025 0:15	7	Planned	PMS(GOMP). ETC April 10, 2025.
HYD	13TALOM23_G01	0.3	4/1/2025 0:05	4/8/2025 20:13	7	Planned	PMS(GOMP). ETC April 10, 2025.

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Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Mindanao							
HYD	13TALOM23_G01	0.2	4/1/2025 0:04	4/8/2025 0:55	7	Planned	PMS(GOMP). ETC April 10, 2025.
HYD	13TALOM23_G01	0.2	4/1/2025 0:05	4/9/2025 21:42	8	Planned	PMS(GOMP). ETC April 10, 2025.
HYD	13TALOM23_G01	0.2	4/1/2025 0:05	4/8/2025 22:22	7	Planned	PMS(GOMP). ETC April 10, 2025.
HYD	13TALOM23_G01	0.2	4/1/2025 0:05	4/8/2025 22:09	7	Planned	PMS(GOMP). ETC April 10, 2025.
OIL	12KEGGIN_G01	10.6	4/15/2024 15:05			Forced	Failed to synchronize due to low SF6 Pressure on PCB.
OIL	09WMPC_U10	10.2	3/28/2025 14:17	3/29/2025 17:00	1	Forced	Tripped running as MO Dispatch. Indication HT Low Pressure Stop.

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Equipment Name	Trading Intervals	Percent of Time
2ZAPOTE_TR4	529	5.9%
14TACUR_TR2	130	1.5%
1DUHAT_TR1	126	1.4%
DASMA_CORR	112	1.3%
5LAPU_TR1	92	1.0%
9NAGA_TR2	32	0.4%
1MEXI_1HER2	31	0.3%
3SNJUAN_TR2	28	0.3%
4CLBYOG_TR2	12	0.1%
3BINA_3DAS2	11	0.12%
1SUP_TR1	11	0.12%
3BINA_3DAS1	10	0.11%
3CALIRA_TR1	7	0.08%
1MALOLO_TR1	7	0.08%
8BARO_8DIN1	7	0.08%
6PGPP1_TR3	5	0.06%
1BAUA_1BPP1	4	0.04%
1BAUA_1BAL1	4	0.04%
1BALI_1KDA2	4	0.04%
1BING_1NGS2	4	0.04%
1BALI_1KDA1	4	0.04%
1MEXI_1HER1	3	0.03%
3SNJUAN_TR1	3	0.03%

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.

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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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REGISTERED CAPACITY
The capacity registered by a generator with WESM.

Coal Natural

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.

DISCLAIMER

The information contained in this document is based on the available electricity spot market data. The same information is subject to change as updated figures come in. As such, the PEMC does not make any representation or warranty as to the completeness of this information. The PEMC likewise accepts no responsibility or liability whatsoever for any loss or cost incurred by a reader arising from, or in relation to, any conclusion or assumption derived from the information found herein.