MONTHLY MARKET STATISTICS

JANUARY 2025

(26 December 2024 to 25 January 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 December 2024 - 25 January 2025

Total Registered Capacity (MW)

29,959 0.01%▼

Previous Month: 29,962

Average Demand (MW)

12,645 5.74%▼

Previous Month: 13,414

Average Capacity Offered/Nominated (MW)

19,985 66.71% of the total Registered Capacity

Previous Month: 19,965

Average Capacity Not Offered/Nominated (MW)

4,687 15.64% of the total Registered Capacity

Previous Month: 4,692

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

3,095 14.96%▼

Previous Month: 3,639

Average Capacity of Plants on Commissioning (MW)

1,227 4.10% of the total Registered Capacity

Previous Month: 1,315

Average Capacity on Outage (MW)

4,066 13.57% of the total Registered Capacity

Previous Month: 3,944

Average Effective Supply (MW)

15,785 4.55%▼

Previous Month: 16,537

Market Structure (Concentration - HHI)

Not Concentrated

Previous Month: Not Concentrated

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MARKET OUTCOME
REGIONAL AT A GLANCE
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Luzon

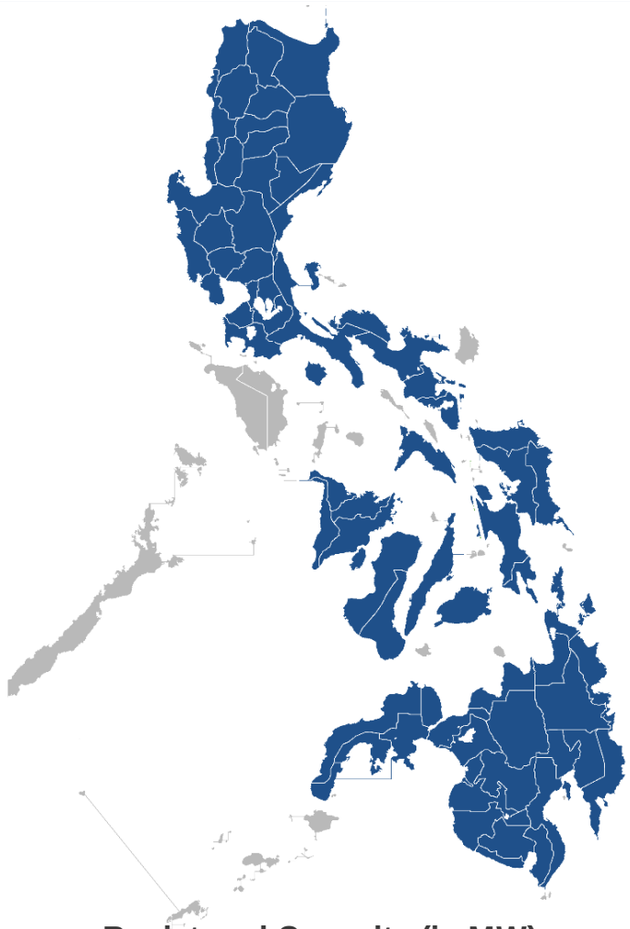
Total Registered Capacity (MW)	21,883.50
Average Effective Supply (MW)	10,941.92
Average Demand (MW)	8,855.94

Visayas

Total Registered Capacity (MW)	3,675.20
Average Effective Supply (MW)	2,317.23
Average Demand (MW)	1,856.86

Mindanao

Total Registered Capacity (MW)	4,400.40
Average Effective Supply (MW)	2,525.63
Average Demand (MW)	1,931.99



Zones	LWAP	Month-to-Month % Change
Northern Luzon	3,134.68	9.19%▼
Metro Manila	3,160.44	9.41%▼
Southern Luzon	3,108.13	8.80%▼
Bohol	3,318.38	15.78%▼
Cebu	3,309.24	19.68%▼
Leyte	3,318.92	3.69%▲
Negros	3,245.29	21.07%▼
Panay	3,372.55	22.72%▼
Lanao	2,556.95	32.83%▼
North Central	2,620.54	33.93%▼
North-East	2,868.10	34.27%▼
North-West	2,945.21	33.74%▼
South-East	2,732.71	33.91%▼
South-West	2,818.03	32.77%▼

Registered Capacity (in MW)

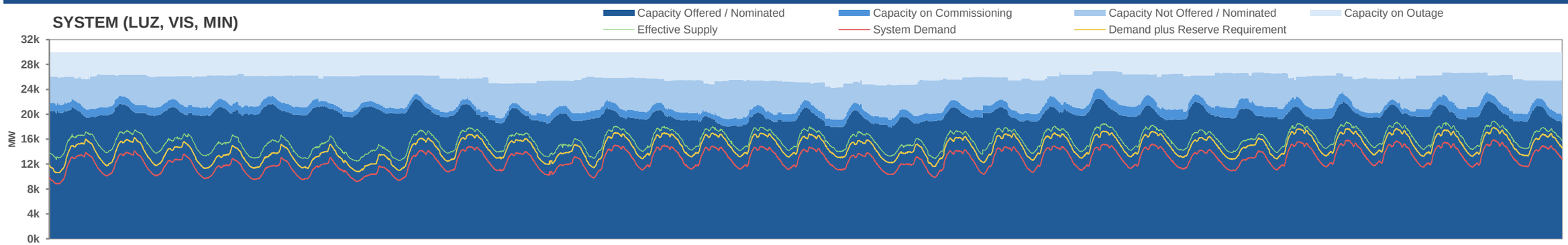
	COAL	NATGAS	GEO	HYDRO	OIL-BASED	WIND	SOLAR	BIOFUEL	BESS
Luzon	8936.60	4612.40	839.90	2594.90	1765.60	465.80	2138.40	155.60	394.50
Visayas	1329.70	-	857.00	66.30	432.70	155.70	564.80	211.90	110.00
Mindanao	2460.50	-	105.00	1162.20	652.00	-	67.20	63.50	100.00

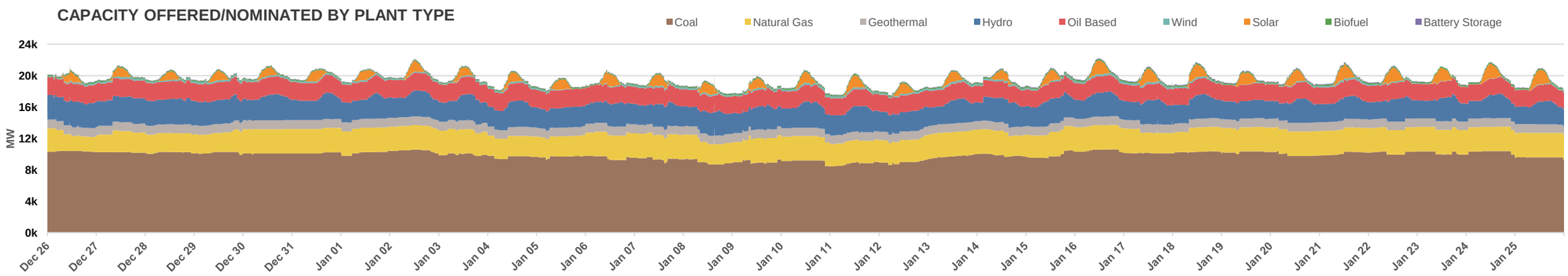
PUBLIC

MARKET OUTCOME
CAPACITY PROFILE

26 December 2024 - 25 January 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	12,449.62	1/1/2025 7:00	18,921.97	1/24/2025 14:25	15,784.78	4.55%▼
Luzon	8,442.75	1/1/2025 7:00	13,287.96	1/24/2025 14:15	10,899.87	5.34%▼
Visayas	1,714.90	1/13/2025 3:35	2,575.72	1/21/2025 13:35	2,070.03	6.72%▼
Mindanao	2,058.12	1/1/2025 10:00	3,434.64	1/7/2025 18:10	2,814.88	0.42%▲
Demand Plus Reserve Requirement						
System	10,605.59	12/26/2024 4:25	17,896.23	1/24/2025 14:25	14,572.47	5.96%▼
Luzon	7,184.45	12/26/2024 4:05	12,528.92	1/24/2025 14:35	10,205.67	6.76%▼
Visayas	1,671.96	1/2/2025 4:10	2,684.12	1/22/2025 14:25	2,181.96	4.83%▼
Mindanao	1,562.80	1/2/2025 3:50	2,786.18	1/22/2025 13:40	2,184.84	3.25%▼

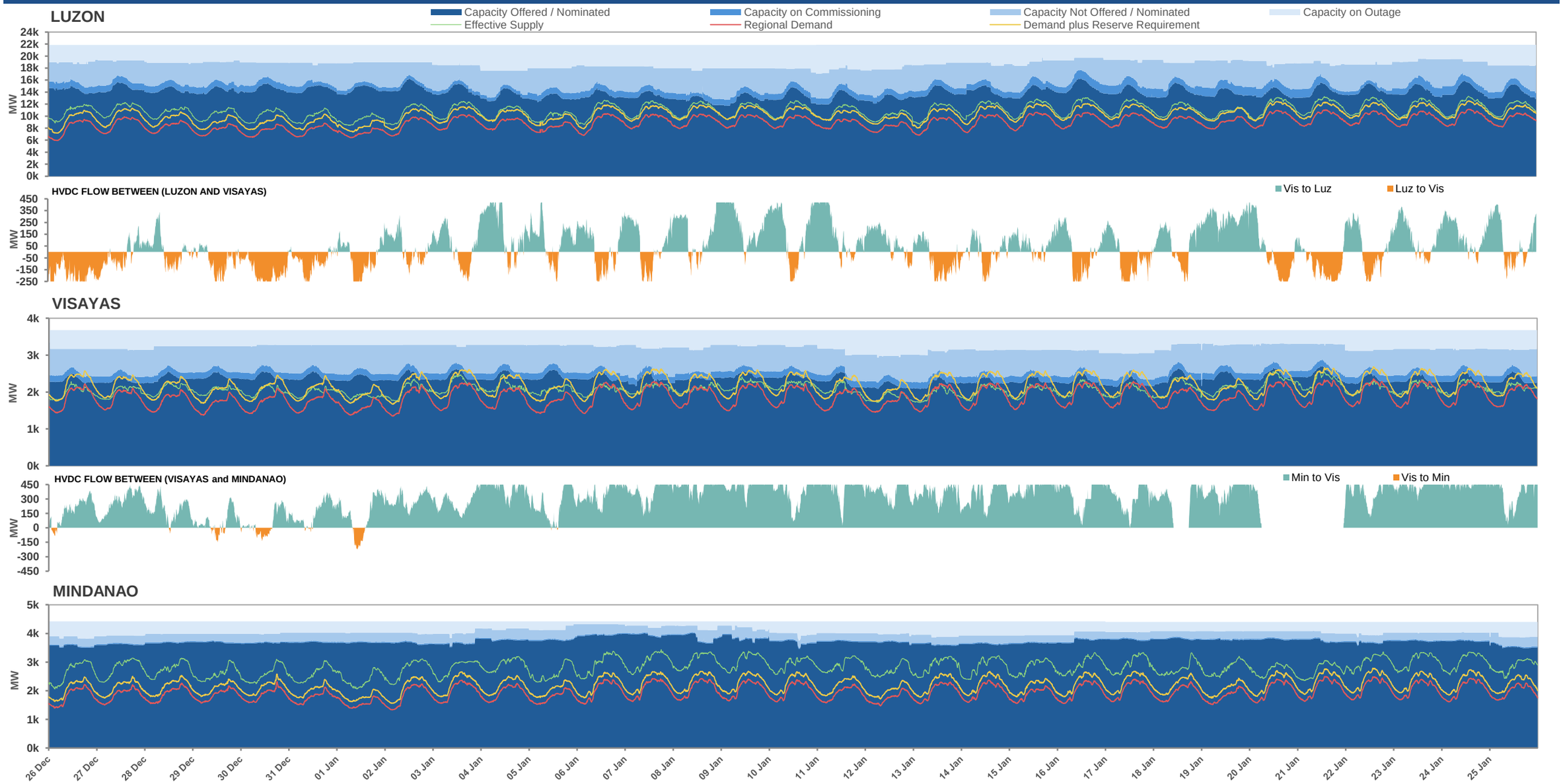
Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Capacity Offered/Nominated						
Coal	8,434.10	1/11/2025 0:25	10,630.10	1/16/2025 20:50	9,857.46	4.34%▼
Natural Gas	1,887.50	12/26/2024 12:20	3,144.30	1/17/2025 23:50	2,929.91	11.20%▲
Geothermal	1,027.80	1/7/2025 17:55	1,142.80	1/4/2025 20:55	1,102.24	0.06%▼
Hydro	2,132.20	1/22/2025 5:45	3,380.60	1/11/2025 17:50	2,756.06	8.64%▲
Oil Based	2,028.00	1/17/2025 11:35	2,266.50	12/26/2024 0:05	2,169.04	0.28%▼
Wind	6.90	1/6/2025 5:15	281.50	12/29/2024 5:50	177.60	19.50%▼
Solar	0.00	12/26/2024 0:05	1,870.40	1/25/2025 13:10	403.85	9.77%▲
Biofuel	88.00	1/1/2025 13:00	183.50	1/24/2025 13:05	157.24	16.65%▼
Battery Storage	348.00	1/14/2025 10:05	448.00	12/26/2024 18:05	431.58	0.26%▼

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MARKET OUTCOME
CAPACITY PROFILE

26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation



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MARKET OUTCOME
CAPACITY PROFILE

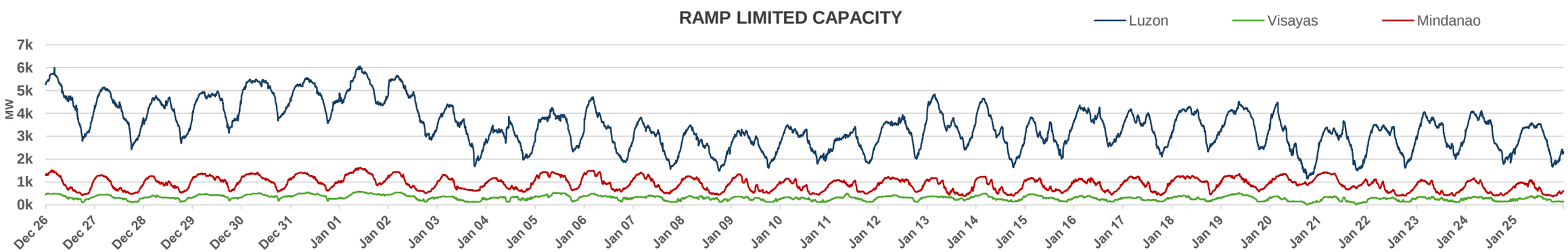
26 December 2024 - 25 January 2025

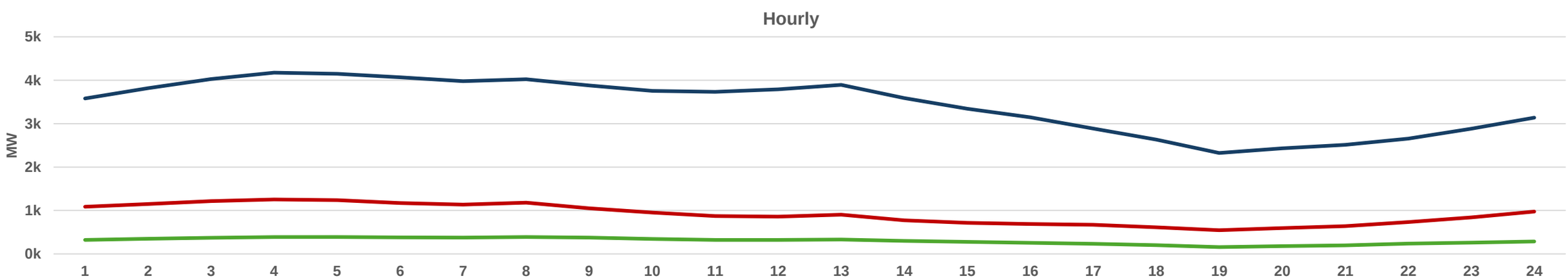
Philippine Electricity Market Corporation

HVDC Flow	Min (in MW)	Max (in MW)	Percent of Time	Month-on-Month %Change
Luz-Vis	0.10	420.00	56%	6.45%▲
Vis-Luz	-250.00	-0.80	43%	8.15%▼
Vis-Min	-229.05	-0.07	4%	38.86%▼
Min-Vis	0.03	450.00	89%	4.36%▼

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

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Ramp Limited Capacity						
System	2,021.48	1/20/2025 18:25	8,232.55	1/1/2025 10:10	4,645.50	16.87%▲
Luzon	1,142.06	1/20/2025 18:25	6,057.51	1/1/2025 10:05	3,433.17	12.14%▲
Visayas	0.9978	1/20/2025 18:10	589.43	1/1/2025 9:45	301.90	13.88%▲
Mindanao	361.25	1/25/2025 18:40	1,624.78	1/1/2025 10:00	910.43	40.39%▲





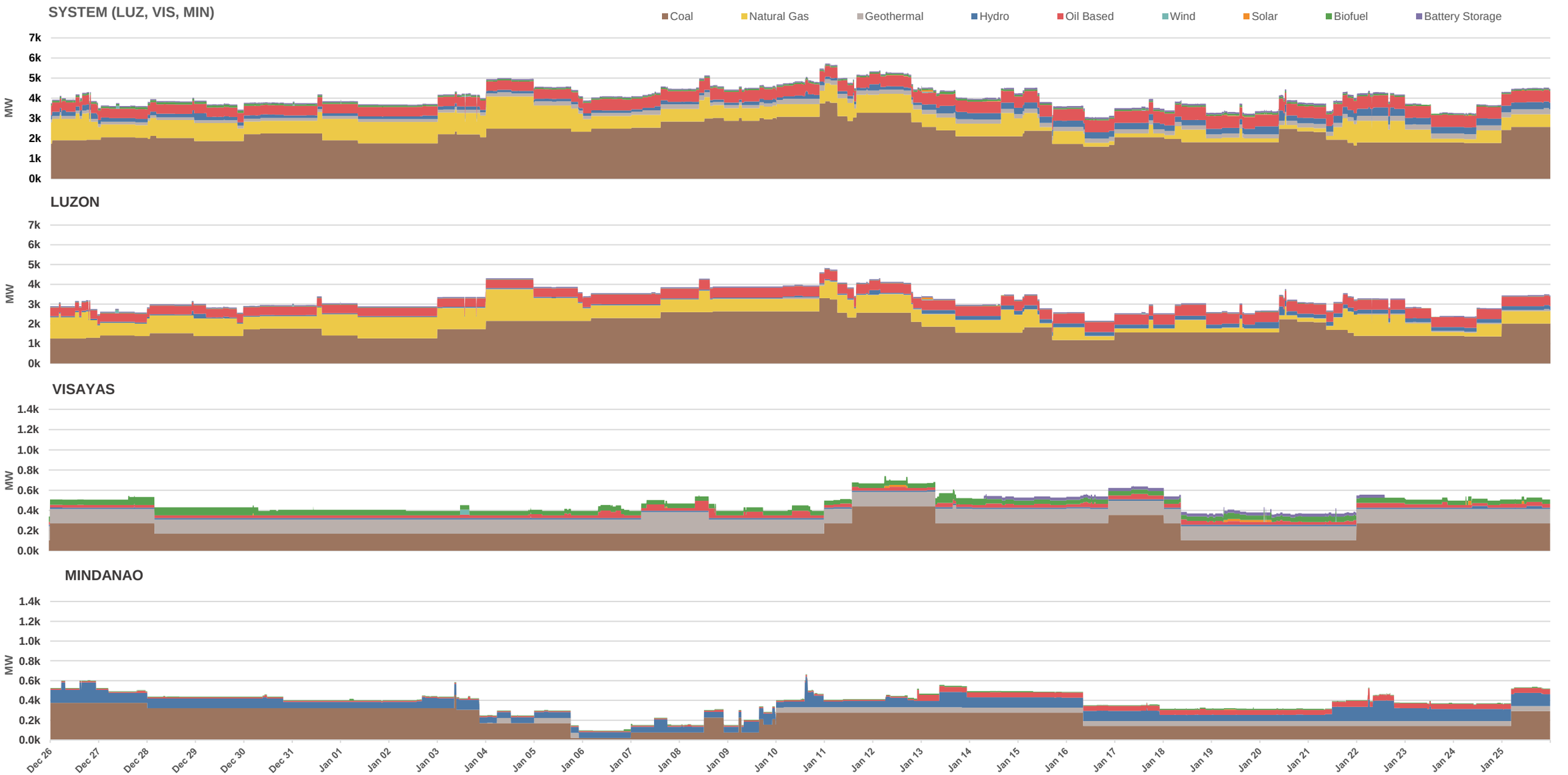
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MARKET OUTCOME

OUTAGE BY PLANT TYPE

26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation



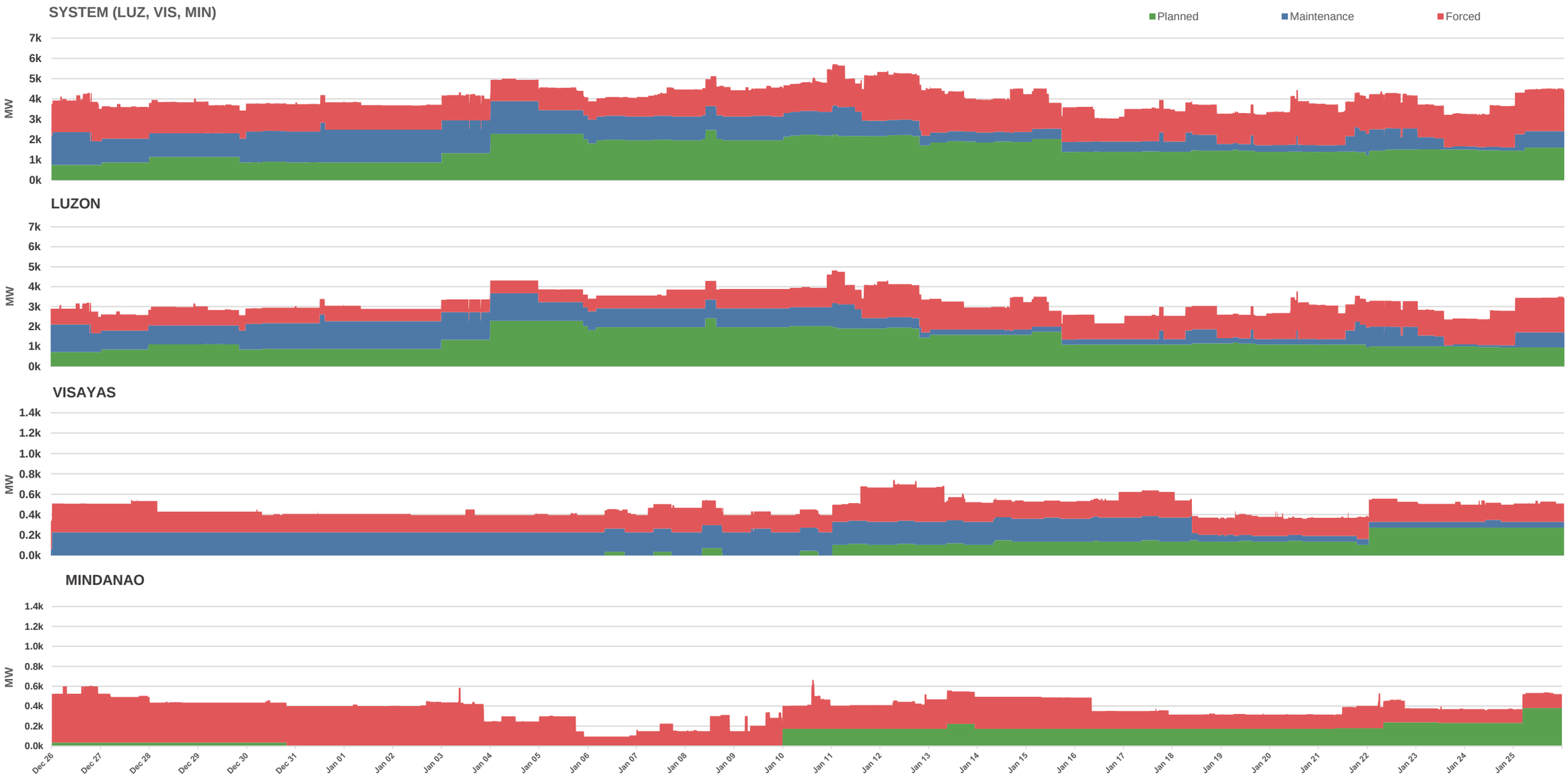
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MARKET OUTCOME

OUTAGE BY CATEGORY

26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation



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MARKET OUTCOME
OUTAGE SUMMARY
26 December 2024 - 25 January 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	1,599.60	1/16/2025 8:25	3,849.60	1/11/2025 0:15	2,251.49	21.62%▲
Natural Gas	190.00	1/15/2025 10:40	1,596.00	1/4/2025 0:05	724.93	21.81%▼
Geothermal	140.70	12/27/2024 1:15	304.70	1/25/2025 20:50	192.00	14.62%▲
Hydro	122.90	1/1/2025 20:20	514.10	1/20/2025 9:30	225.69	33.02%▼
Oil Based	467.60	12/26/2024 0:05	663.45	1/18/2025 8:50	536.94	0.84%▼
Wind	49.90	1/3/2025 11:55	150.00	12/27/2024 8:20	64.59	19.52%▼
Solar	13.40	1/14/2025 6:20	80.10	1/13/2025 0:05	26.54	29.43%▼
Biofuel	52.80	1/24/2025 0:05	124.90	1/13/2025 9:15	74.56	22.10%▲
Battery Storage	30.00	1/14/2025 13:05	80.00	1/14/2025 7:25	57.90	0.65%▼

Luzon

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	1,185.60	1/15/2025 16:55	3,300.60	1/10/2025 21:30	1,810.71	38.42%▲
Natural Gas	190.00	1/15/2025 10:40	1,596.00	1/4/2025 0:05	724.93	21.81%▼
Geothermal	3.00	12/26/2024 0:15	114.00	1/25/2025 20:50	25.27	4.64%▲
Hydro	50.00	12/28/2024 13:40	438.70	1/20/2025 9:30	118.34	8.74%▼
Oil Based	430.00	12/26/2024 0:05	558.75	1/18/2025 8:50	474.34	3.50%▼
Wind	51.20	1/17/2025 13:15	150.00	12/27/2024 8:20	71.93	10.08%▼
Solar	13.40	1/14/2025 6:20	80.10	1/13/2025 0:05	37.68	33.51%▼
Biofuel	3.20	1/22/2025 11:05	27.80	1/20/2025 0:20	16.49	8.10%▲
Battery Storage	50.00	12/26/2024 0:05	50.00	12/26/2024 0:05	50.00	8.97%▼

Visayas

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Coal	103.00	12/26/2024 0:05	441.00	1/11/2025 14:05	218.64	25.87%▲
Natural Gas	-		-			
Geothermal	140.70	12/26/2024 0:05	213.82	1/7/2025 5:40	144.37	0.01%▲
Hydro	14.10	12/26/2024 6:50	32.10	1/4/2025 22:50	14.51	46.46%▲
Oil Based	27.00	12/26/2024 0:05	97.70	1/8/2025 8:15	34.07	9.91%▲
Wind	49.90	1/3/2025 11:55	52.90	1/20/2025 2:10	50.36	3.30%▼
Solar	14.50	1/7/2025 17:40	40.50	1/24/2025 6:10	21.15	32.62%▼
Biofuel	43.90	12/30/2024 7:55	97.40	1/12/2025 6:10	50.93	5.90%▲
Battery Storage	30.00	1/14/2025 7:25	30.00	1/14/2025 7:25	30.00	

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	1/5/2025 18:15	456.00	1/3/2025 8:30	222.14	48.48%▼
Natural Gas	-		-			
Geothermal	3.60	1/4/2025 0:50	53.60	1/10/2025 3:55	50.57	1304.59%▲
Hydro	55.80	1/18/2025 11:45	308.80	1/10/2025 14:40	92.84	53.87%▼
Oil Based	10.60	12/26/2024 0:05	112.30	1/12/2025 22:05	28.53	50.39%▲
Wind	-		-			
Solar	5.00	1/19/2025 6:15	5.00	1/19/2025 6:15	5.00	75.00%▼
Biofuel	5.70	12/26/2024 0:05	26.70	1/19/2025 20:40	7.13	17.23%▼
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	754.00	12/26/2024 0:05	2,478.70	1/8/2025 9:45	1,546.58	49.07%▲
Maintenance	107.50	1/23/2025 12:55	1,955.90	12/31/2024 12:20	980.31	10.13%▼
Forced	900.93	1/5/2025 22:15	2,418.50	1/13/2025 0:05	1,539.33	15.16%▼

Luzon

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	719.00	12/26/2024 0:05	2,408.00	1/8/2025 9:45	1,357.73	70.14%▲
Maintenance	50.00	1/23/2025 12:55	1,729.40	12/31/2024 12:20	793.70	19.00%▼
Forced	620.00	1/1/2025 18:30	2,087.40	1/20/2025 9:30	1,063.81	8.15%▼

Visayas

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	15.10	1/10/2025 17:25	272.00	1/22/2025 0:05	153.81	1223.03%▲
Maintenance	57.50	12/26/2024 0:05	262.00	1/9/2025 8:20	186.61	68.66%▲
Forced	168.20	12/30/2024 7:55	410.70	1/12/2025 6:10	203.18	12.25%▼

Mindanao

Particulars	Min		Max		Ave	Month-on-Month %Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Planned	35.00	12/26/2024 0:05	381.90	1/25/2025 4:40	158.76	33.41%▼
Maintenance	-		-			
Forced	95.10	1/6/2025 5:15	583.93	1/3/2025 8:30	272.34	35.87%▼

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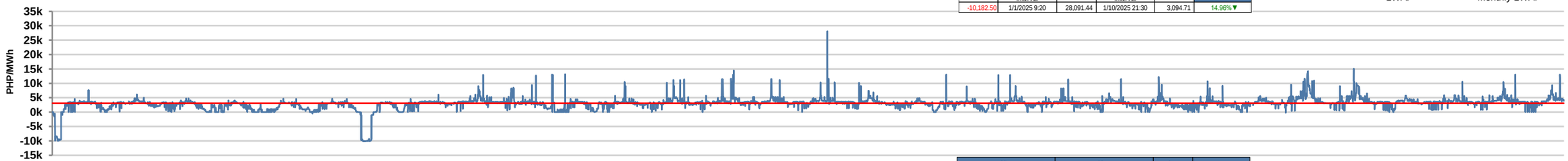
MARKET OUTCOME
MARKET PRICE

26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

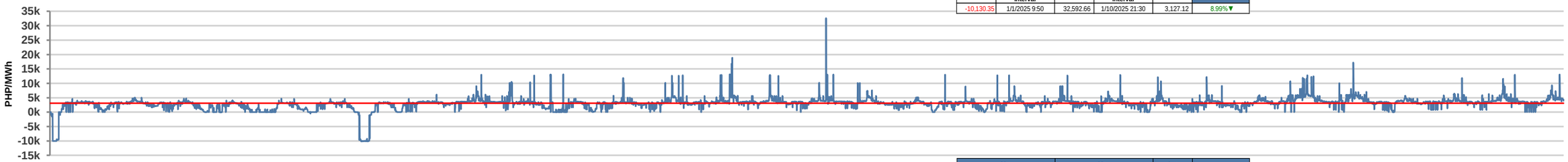
SYSTEM (LUZ, VIS, MIN)

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,182.50	1/1/2025 9:20	28,091.44	1/10/2025 21:30	3,094.71	14.96%▼



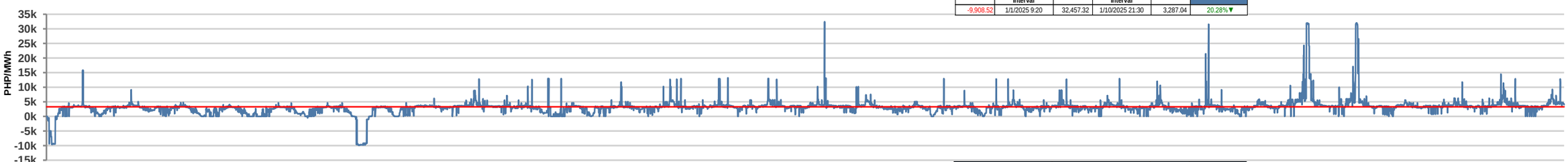
LUZON

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,130.35	1/1/2025 9:50	32,592.66	1/10/2025 21:30	3,127.12	8.99%▼



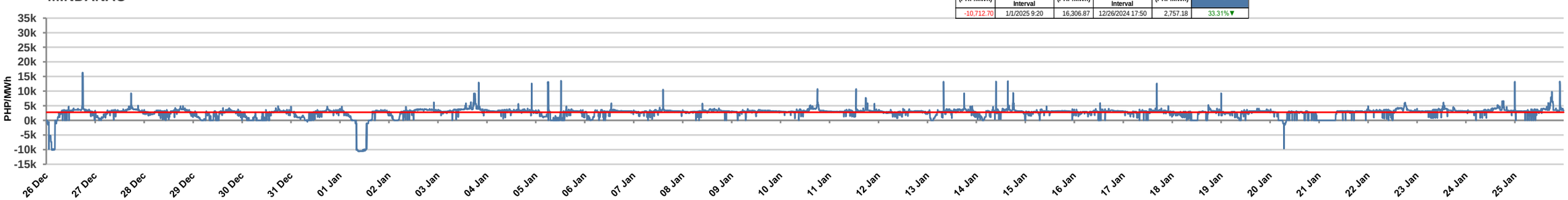
VISAYAS

Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-9,908.52	1/1/2025 9:20	32,457.32	1/10/2025 21:30	3,287.04	20.28%▼



MINDANAO

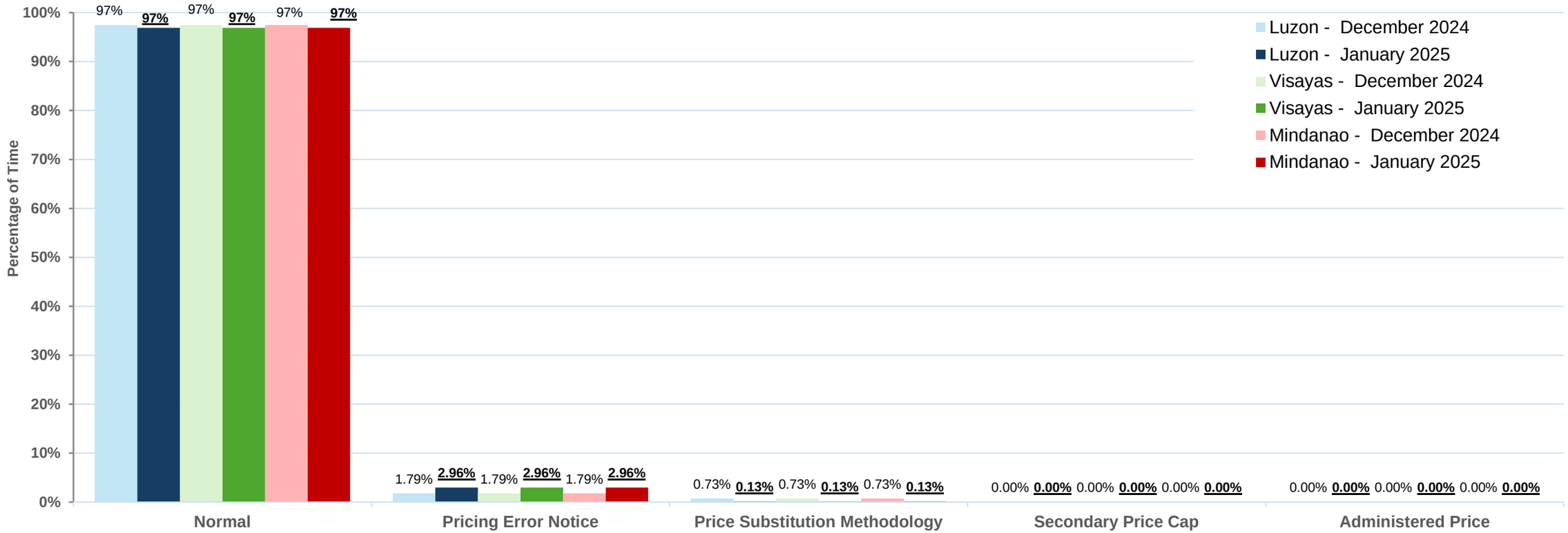
Min		Max		Ave	Month-on-Month % Change
(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
-10,712.70	1/1/2025 9:20	16,306.87	12/26/2024 17:50	2,757.18	33.31%▼



PUBLIC

MARKET OUTCOME
PRICING CONDITION
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation



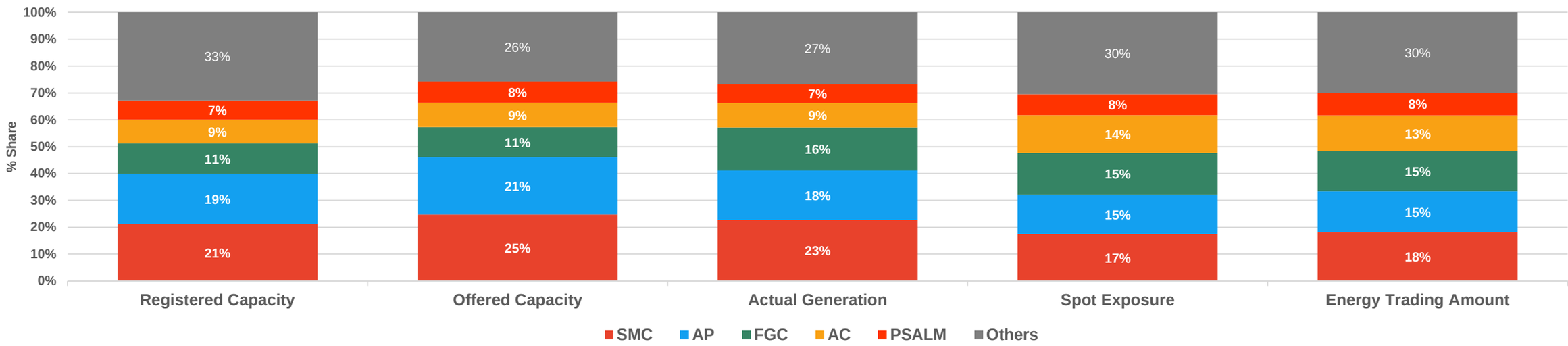
		Normal		Pricing Error Notice		Price Substitution Methodology		Secondary Price Cap		Administered Price	
Region/Grid	Billing Month	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%	Count/Total No. of Trading Interval/s	%
Luzon	December 2024	8,422	97.48%	155	1.79%	63	0.73%	0	0.00%	0	0.00%
	January 2025	8,652	96.91%	264	2.96%	12	0.13%	0	0.00%	0	0.00%
Visayas	December 2024	8,422	97.48%	155	1.79%	63	0.73%	0	0.00%	0	0.00%
	January 2025	8,652	96.91%	264	2.96%	12	0.13%	0	0.00%	0	0.00%
Mindanao	December 2024	8,422	97.48%	155	1.79%	63	0.73%	0	0.00%	0	0.00%
	January 2025	8,652	96.91%	264	2.96%	12	0.13%	0	0.00%	0	0.00%

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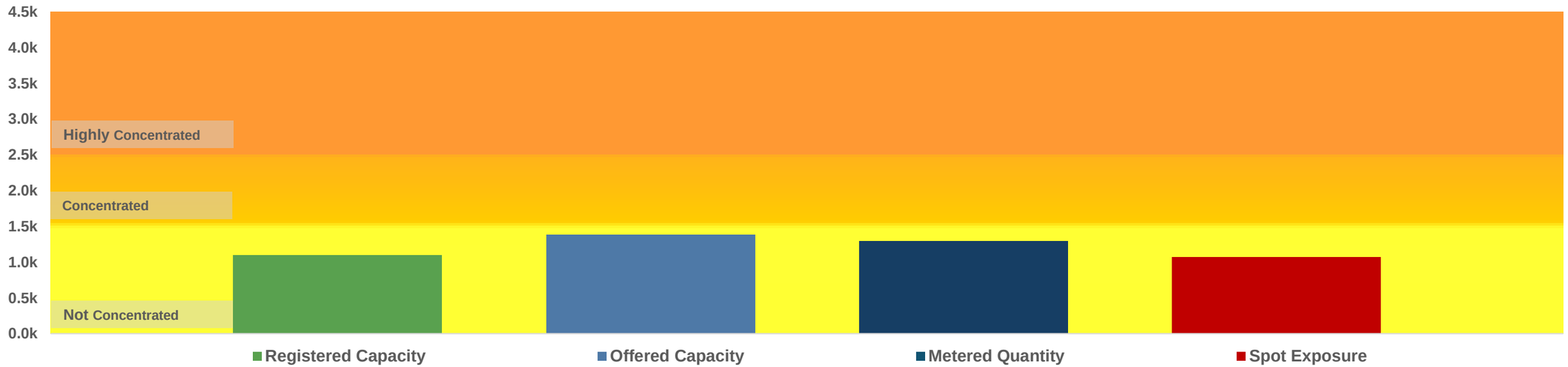
MARKET OUTCOME
STRUCTURAL COMPETITION
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

SYSTEM MARKET SHARE



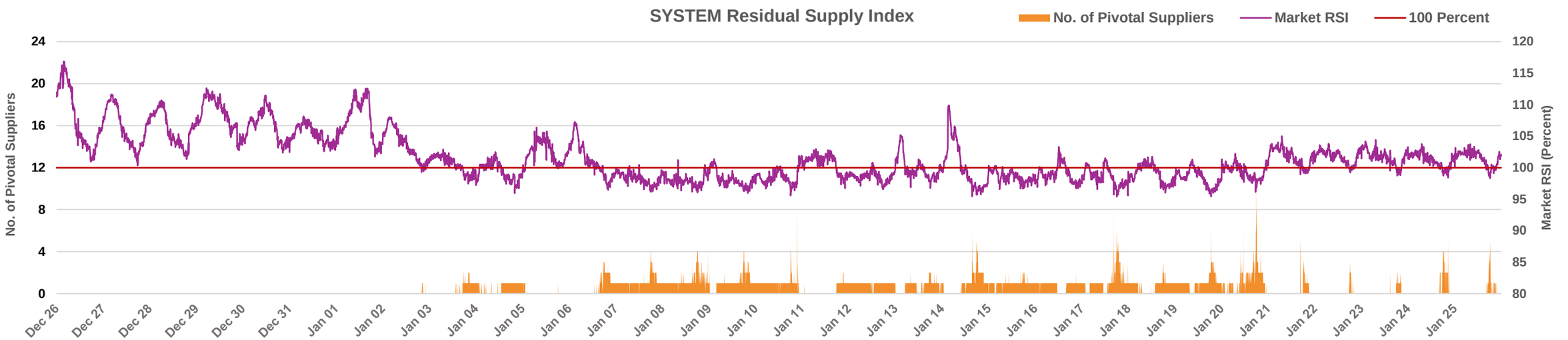
Herfindahl–Hirschman Index



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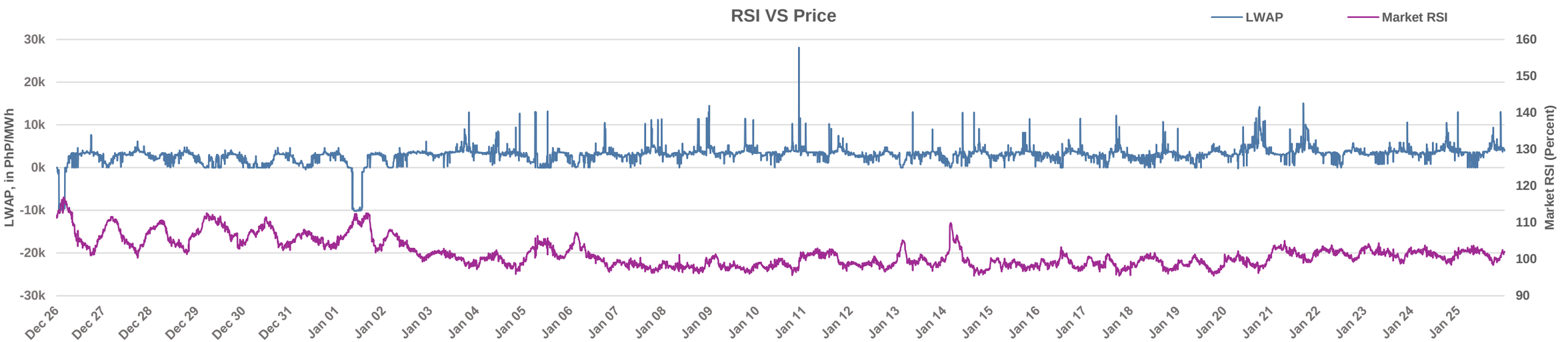
MARKET OUTCOME
STRUCTURAL COMPETITION
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation



RSI		Price (PHP/MWh)	Time Interval
Max	116.87	-9,637.43	12/26/2024 3:45
Min	95.39	9,594.21	1/17/2025 18:05

Price (PHP/MWh)		RSI	Time Interval
Max	28,091.44	98.15	1/10/2025 21:30
Min	-10,182.50	112.32	1/1/2025 9:20

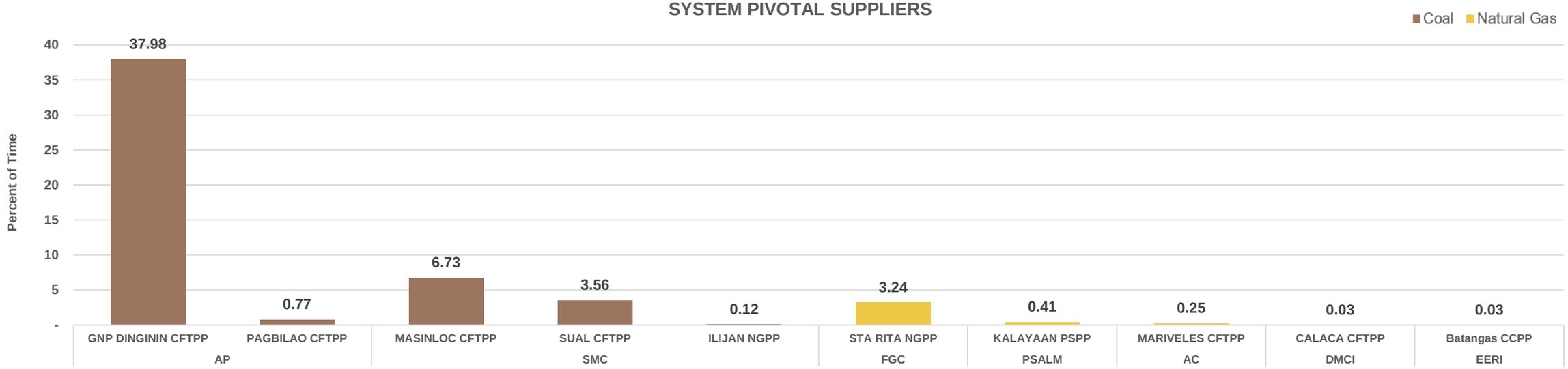


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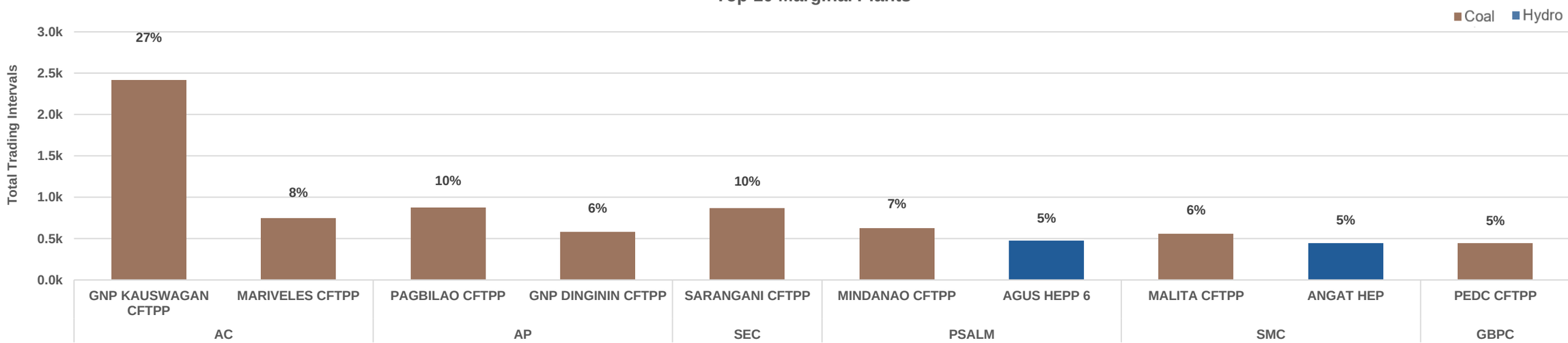
MARKET OUTCOME
STRUCTURAL COMPETITION
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

SYSTEM PIVOTAL SUPPLIERS



Top 10 Marginal Plants

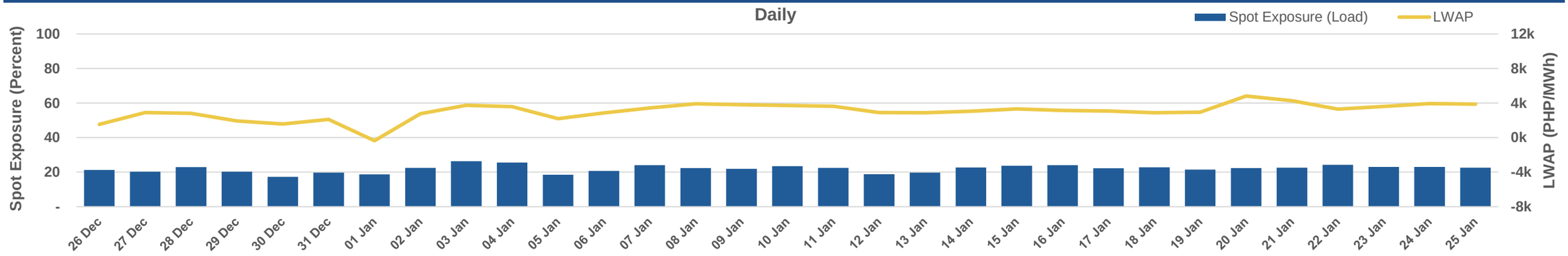


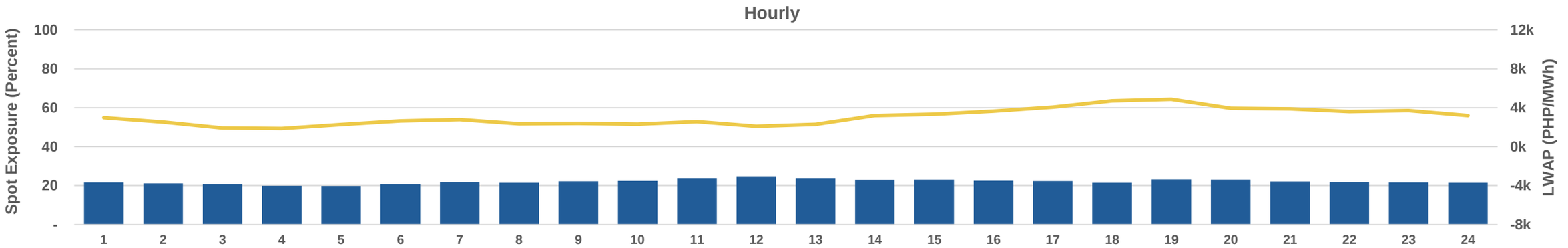
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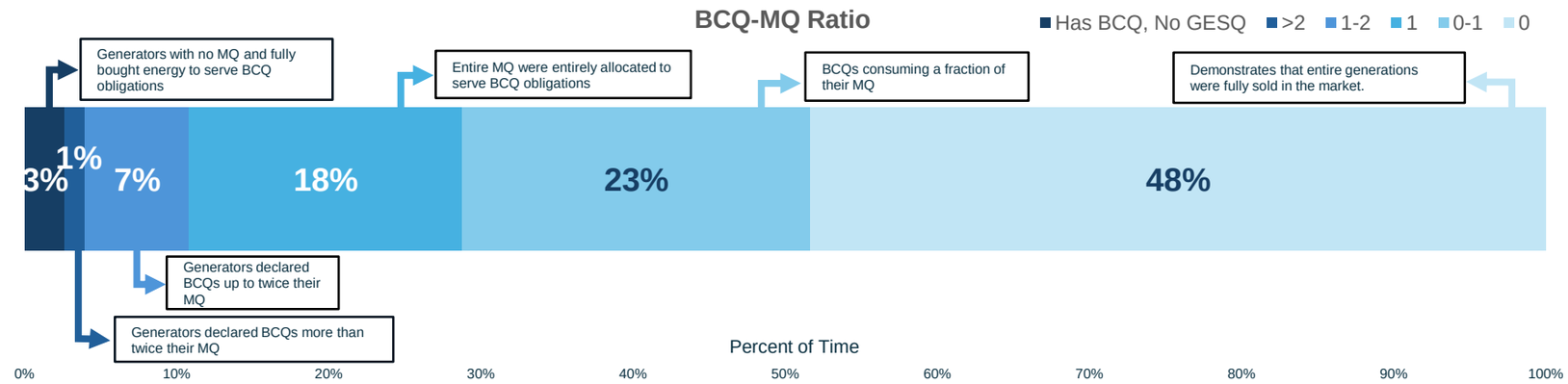
MARKET OUTCOME
SPOT EXPOSURE

26 December 2024 - 25 January 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	7%	Generators declared BCQs up to twice their MQ
1	18%	Entire MQ were entirely allocated to serve BCQ obligations
0-1	23%	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.

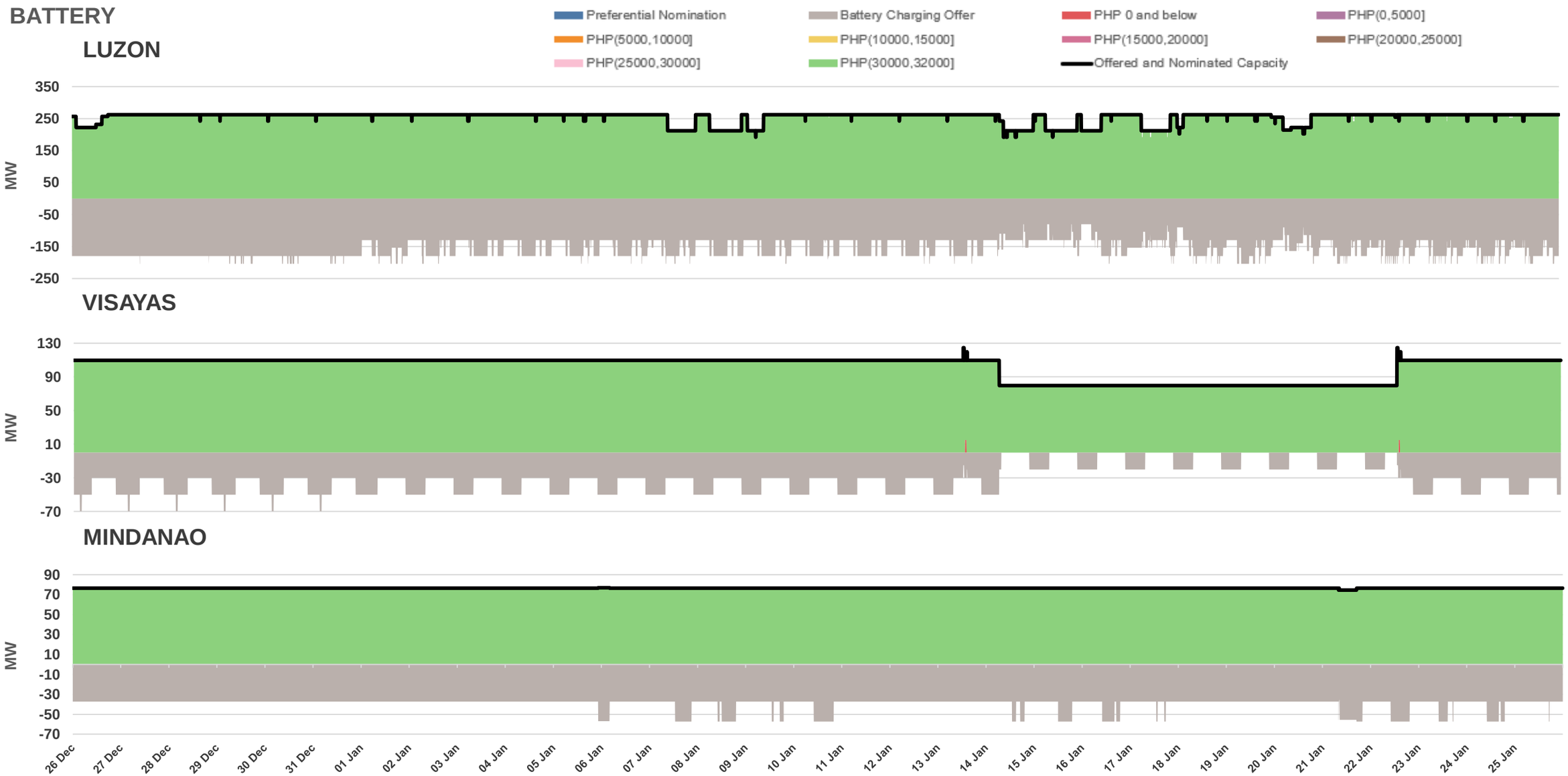
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MARKET OUTCOME
OFFERS

26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

BATTERY



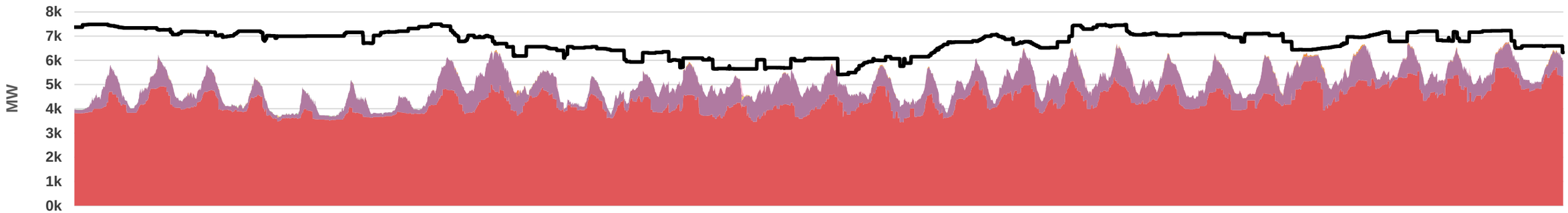
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MARKET OUTCOME
OFFERS
26 December 2024 - 25 January 2025

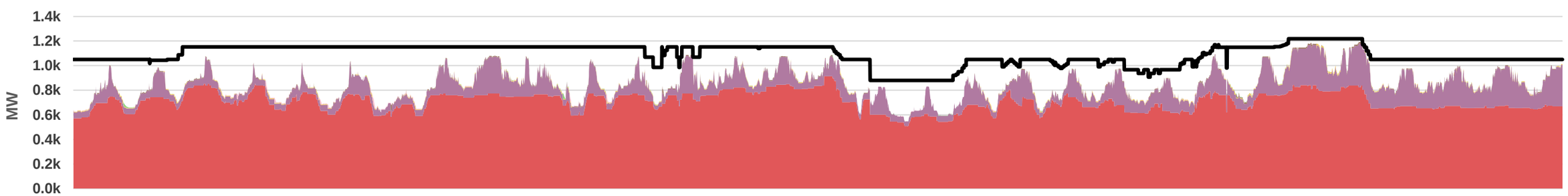
Philippine Electricity Market Corporation

COAL

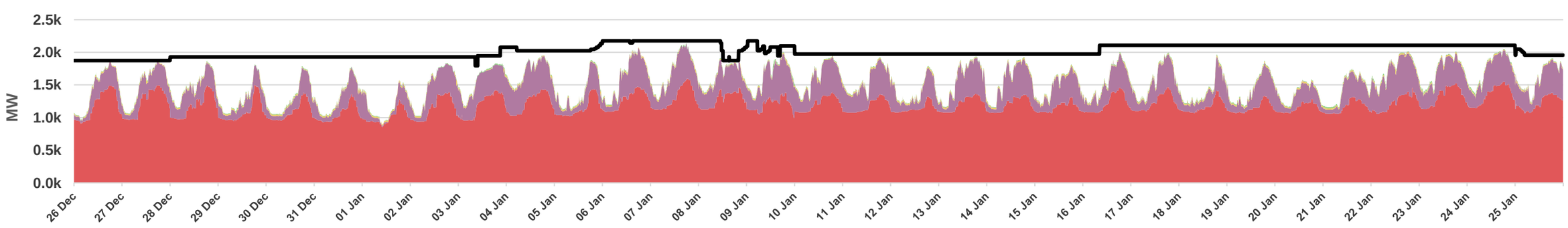
LUZON



VISAYAS



MINDANAO

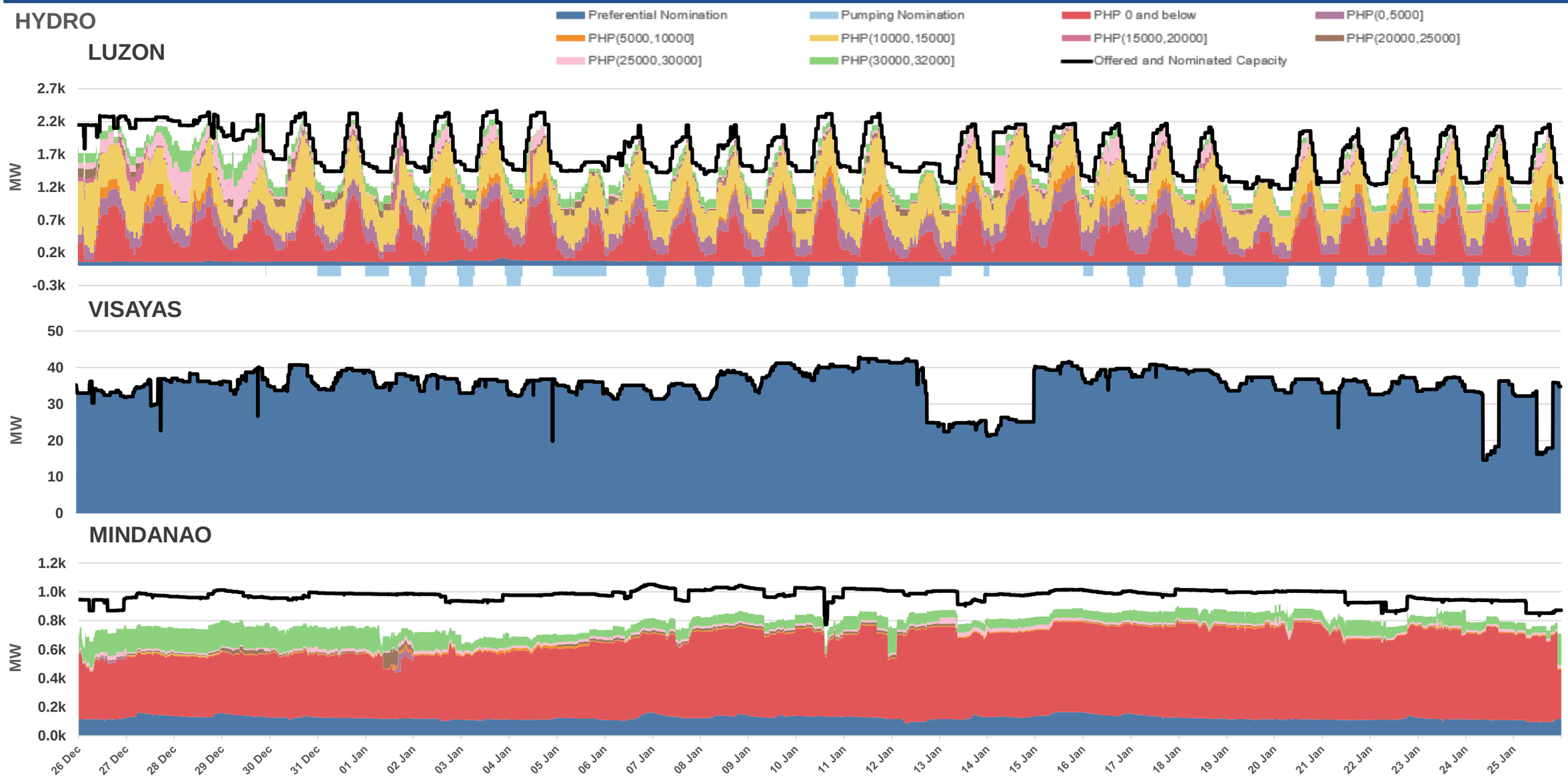


PUBLIC

MARKET OUTCOME
OFFERS
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

HYDRO

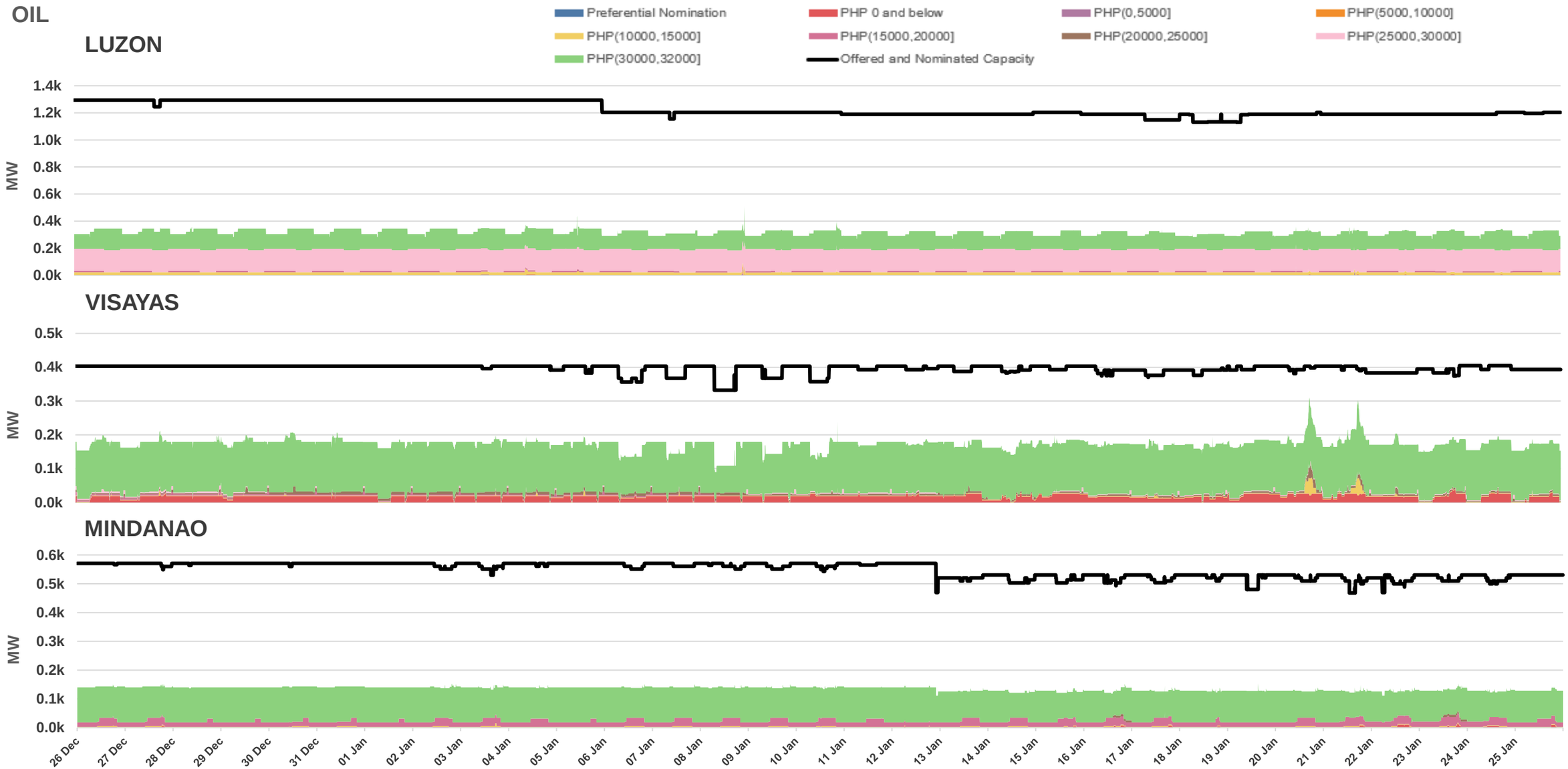


PUBLIC

MARKET OUTCOME
OFFERS
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

OIL



PUBLIC

RESERVE MARKET

AT A GLANCE

26 December 2024 - 25 January 2025

Reserve Total Registered Capacity (in MW)

5,528.00

18%
of the total Registered Capacity

Previous Month: 5,525

0.05% ▲

		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	2,015.00	5,235.30	207.60	21,009.61	556.50	5,427.88
	Down		5,090.15		21,392.68		5,979.46
Contigency		2,344.40	1,424.31	300.50	20,462.92	944.80	462.47
Dispatchable		2,558.00	459.16	359.50	2,191.65	1,135.50	0.26

PUBLIC

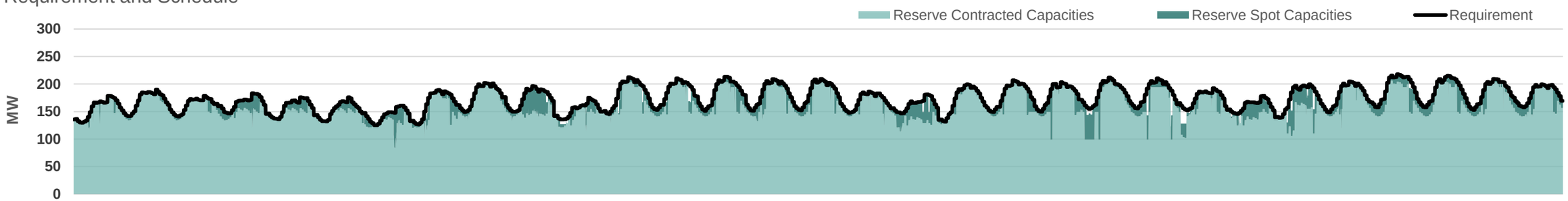
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

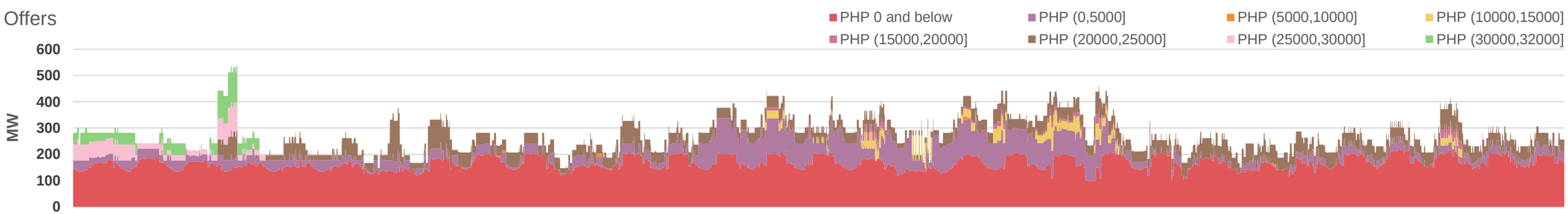
Philippine Electricity Market Corporation

LUZON - REGULATING UP

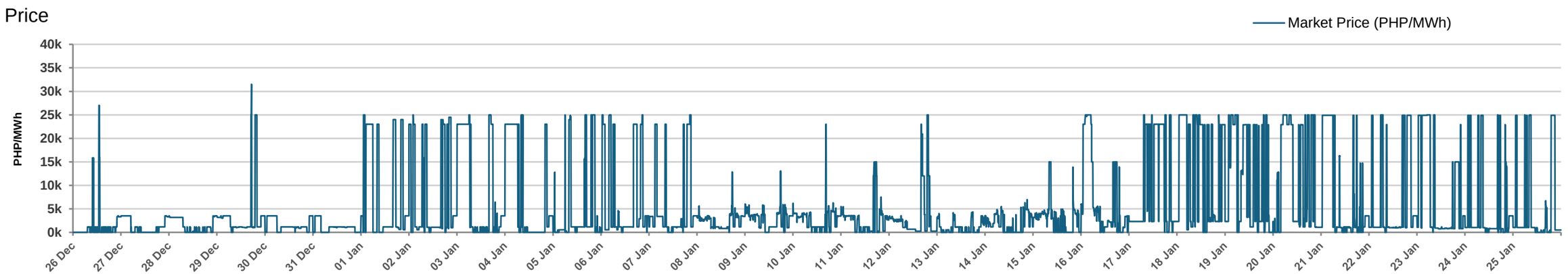
Requirement and Schedule



Offers



Price



PUBLIC

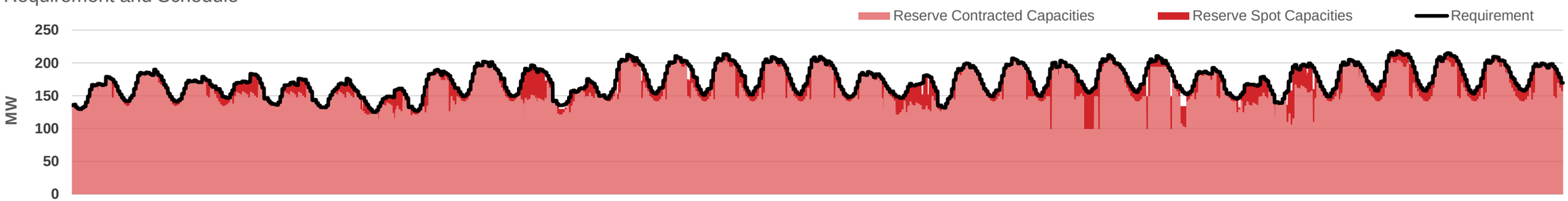
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

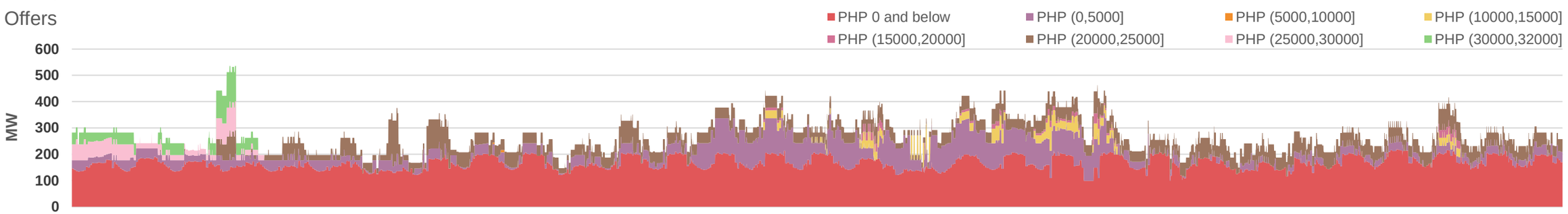
Philippine Electricity Market Corporation

LUZON - REGULATING DOWN

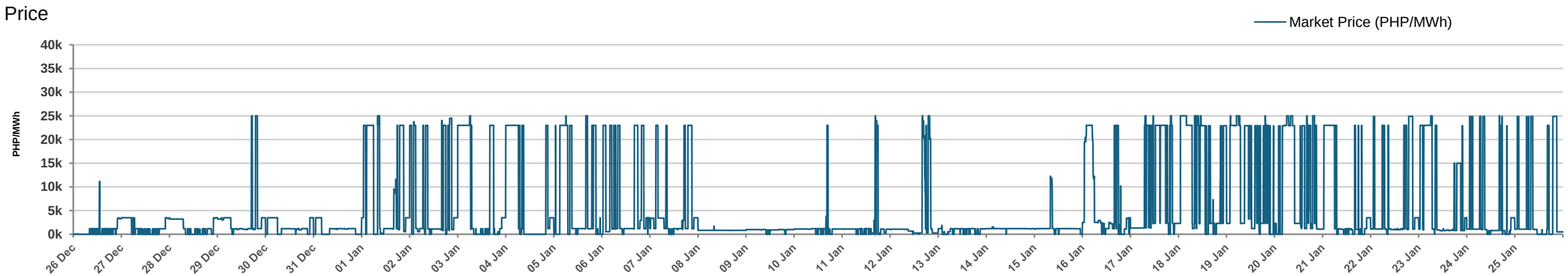
Requirement and Schedule



Offers



Price



PUBLIC

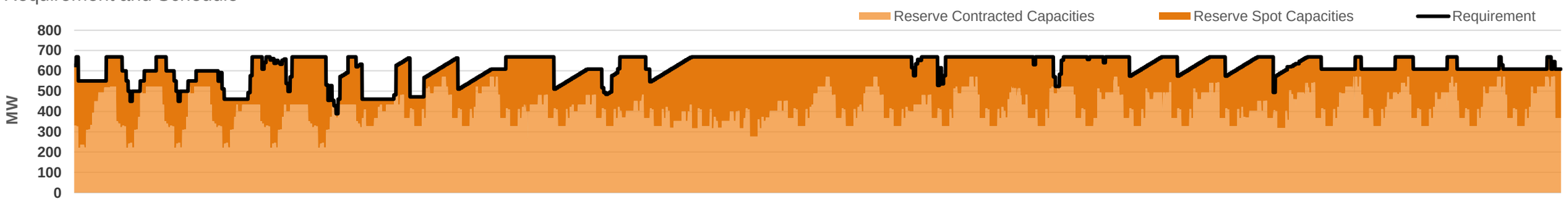
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

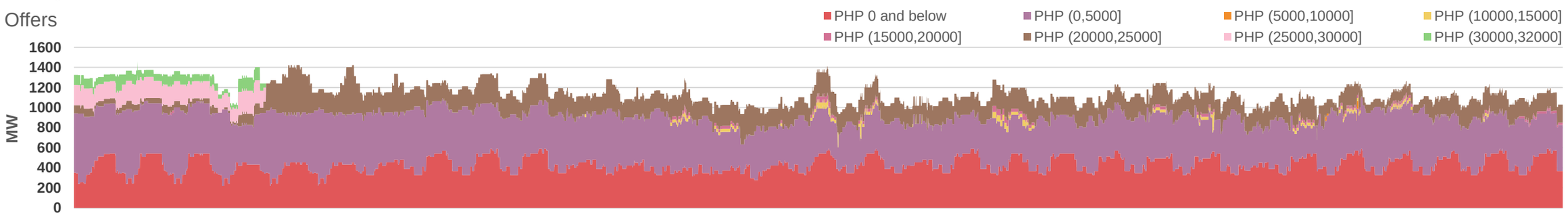
Philippine Electricity Market Corporation

LUZON - CONTINGENCY

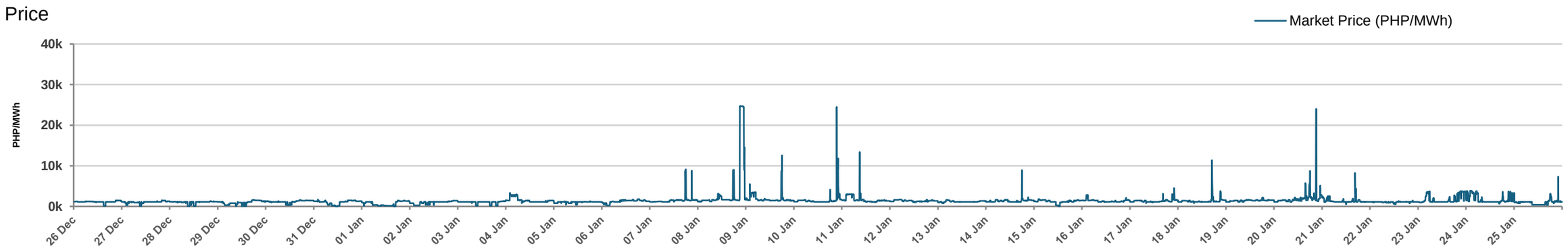
Requirement and Schedule



Offers



Price



PUBLIC

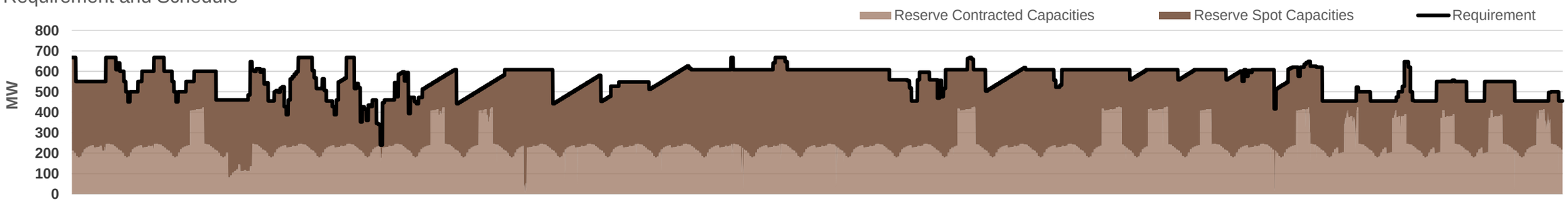
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

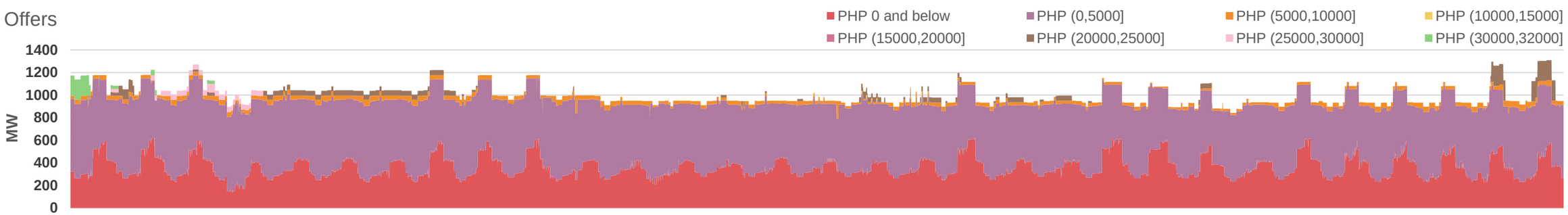
Philippine Electricity Market Corporation

LUZON - DISPATCHABLE

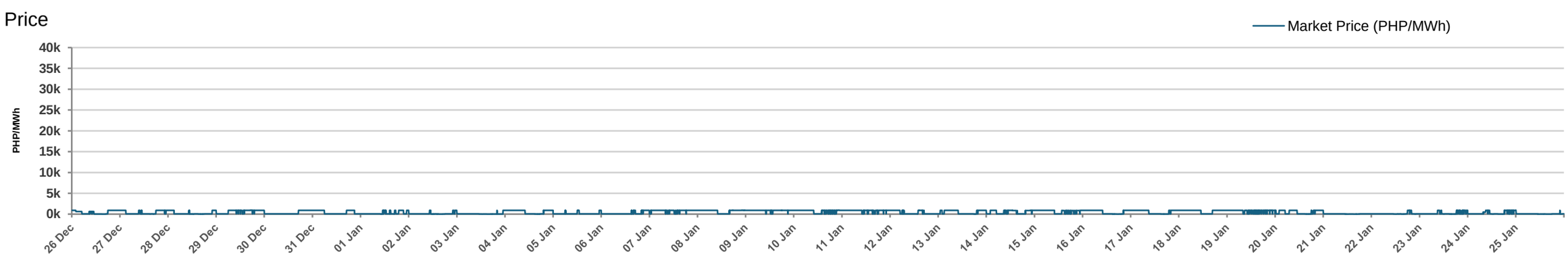
Requirement and Schedule



Offers



Price



PUBLIC

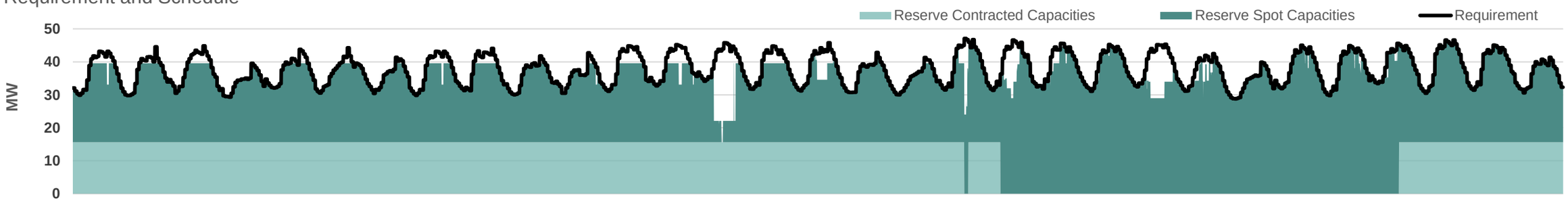
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

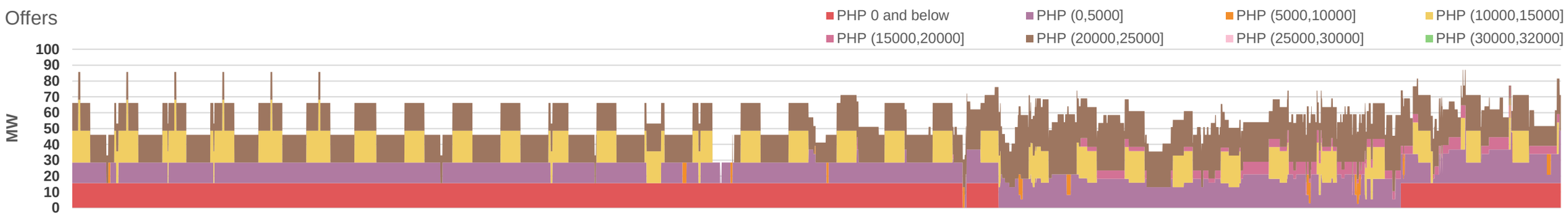
Philippine Electricity Market Corporation

VISAYAS - REGULATING UP

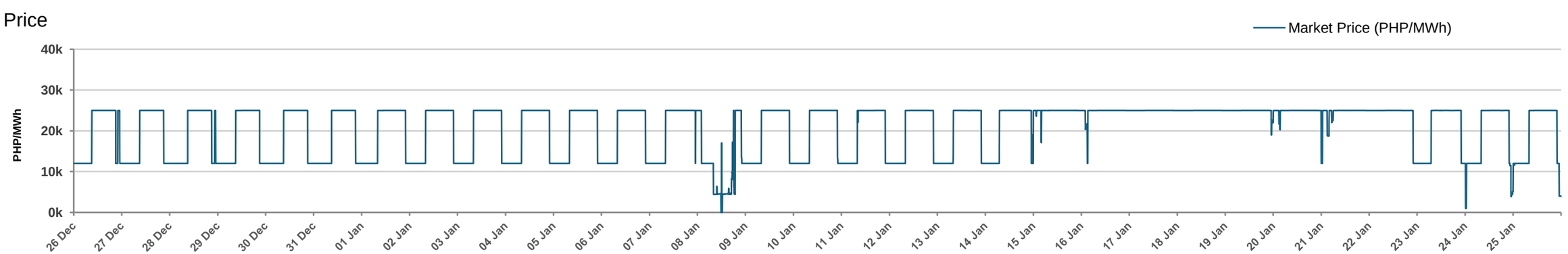
Requirement and Schedule



Offers



Price



PUBLIC

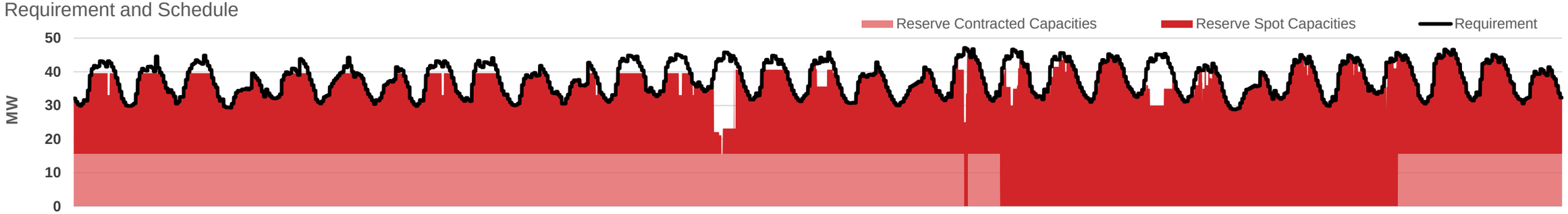
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

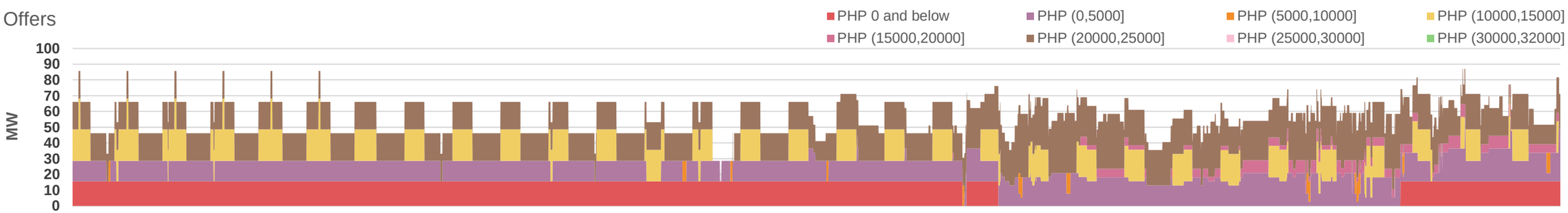
Philippine Electricity Market Corporation

VISAYAS - REGULATING DOWN

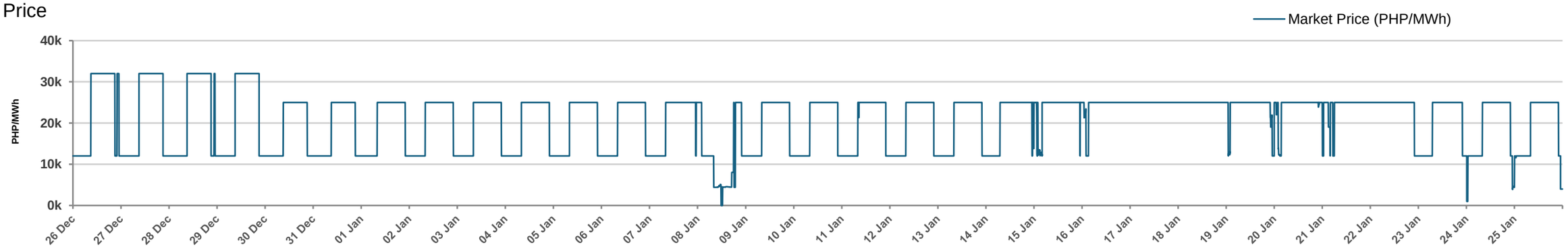
Requirement and Schedule



Offers



Price



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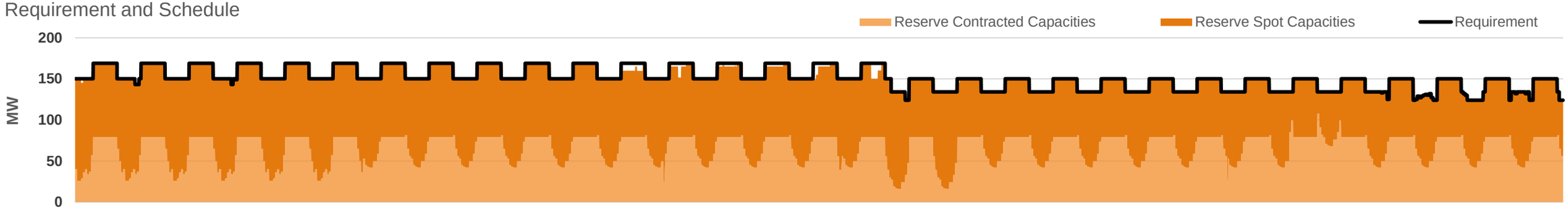
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

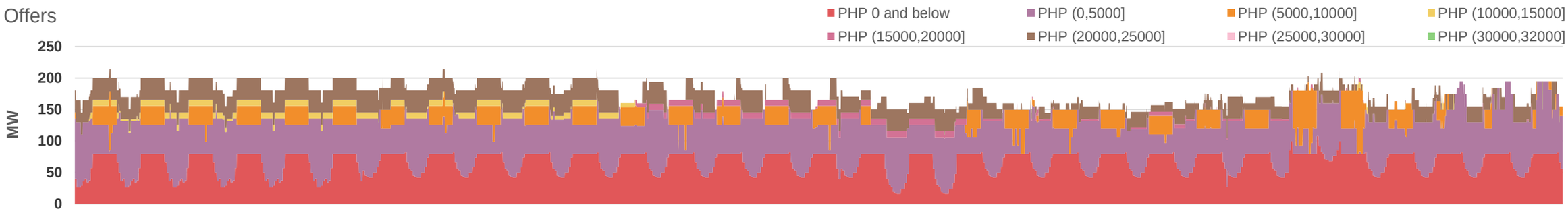
Philippine Electricity Market Corporation

VISAYAS - CONTINGENCY

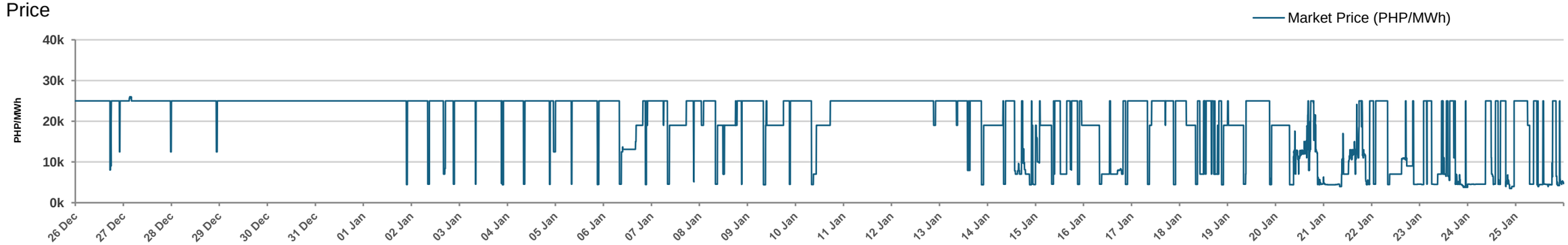
Requirement and Schedule



Offers



Price



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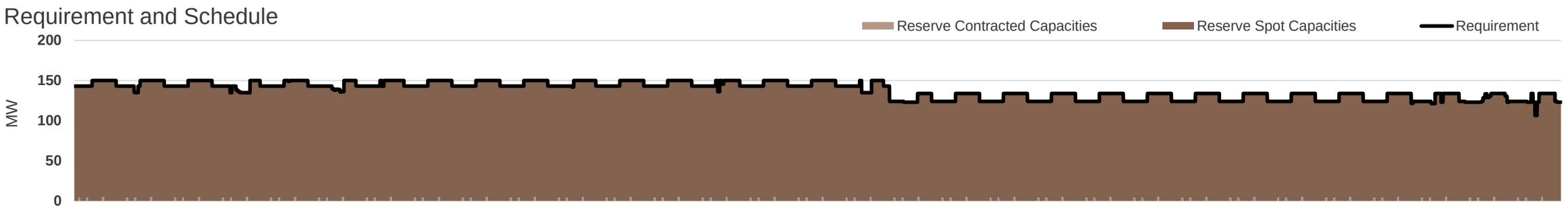
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

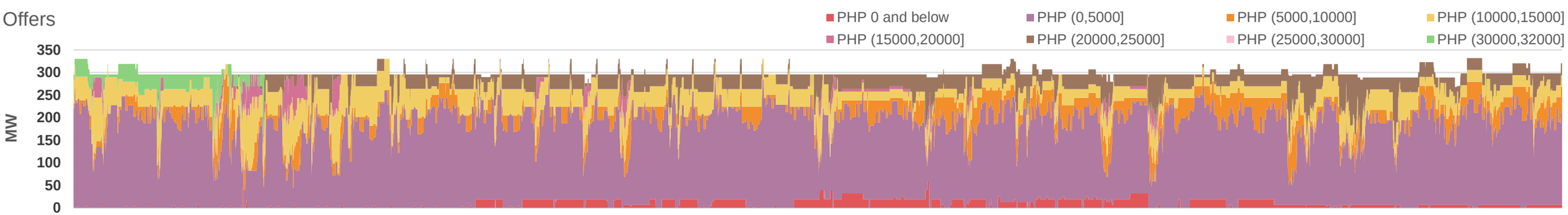
Philippine Electricity Market Corporation

VISAYAS - DISPATCHABLE

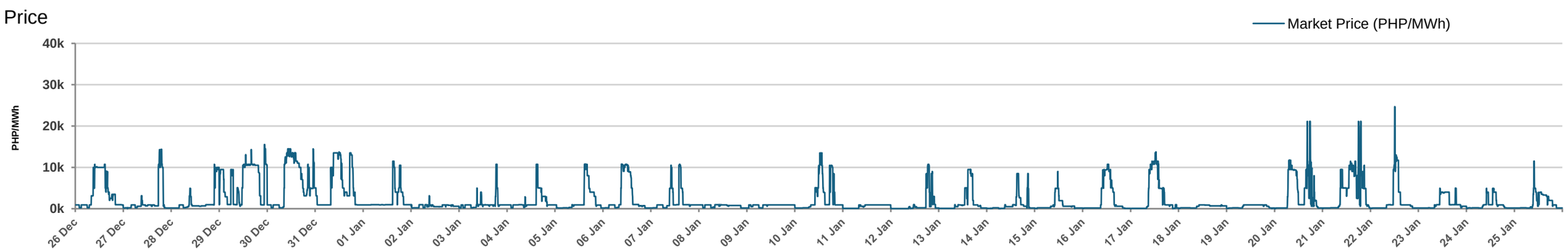
Requirement and Schedule



Offers



Price



PUBLIC

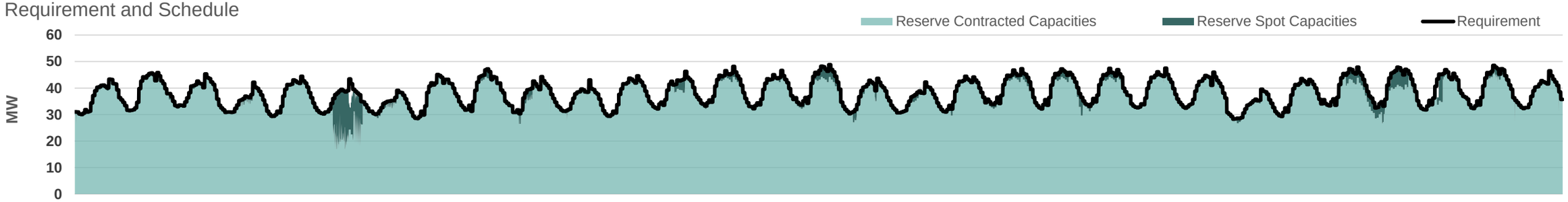
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

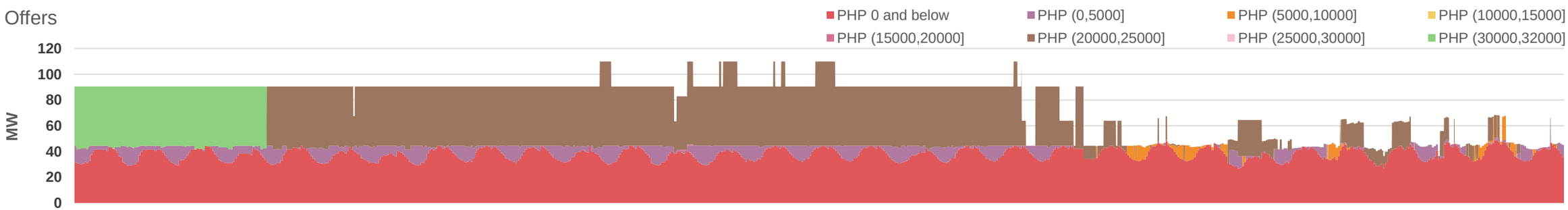
Philippine Electricity Market Corporation

MINDANAO - REGULATING UP

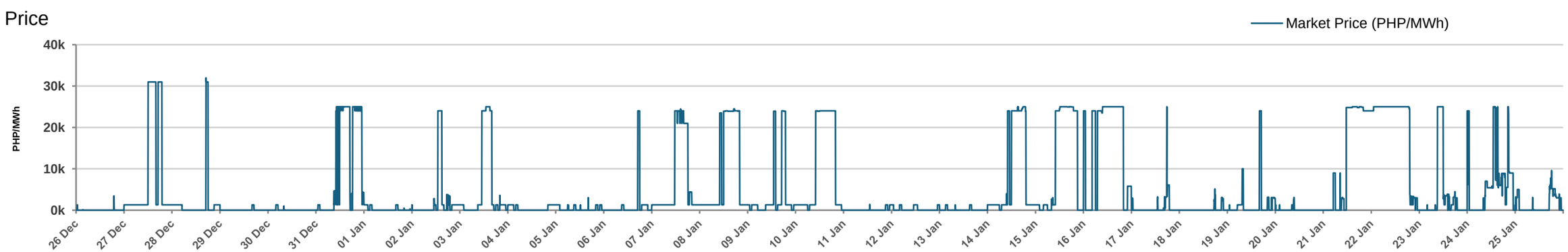
Requirement and Schedule



Offers



Price



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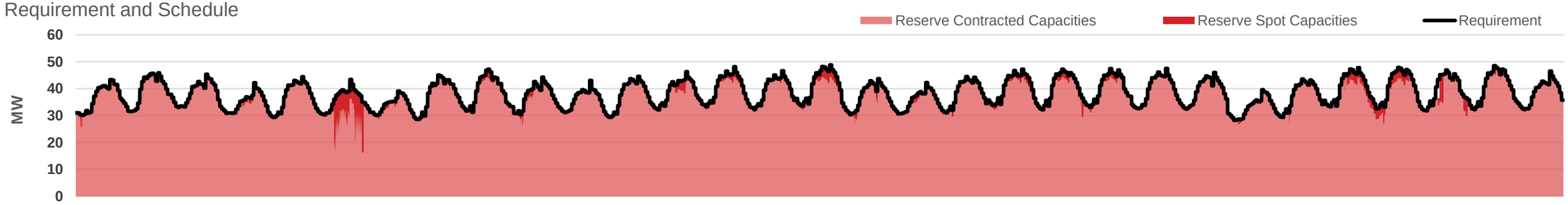
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

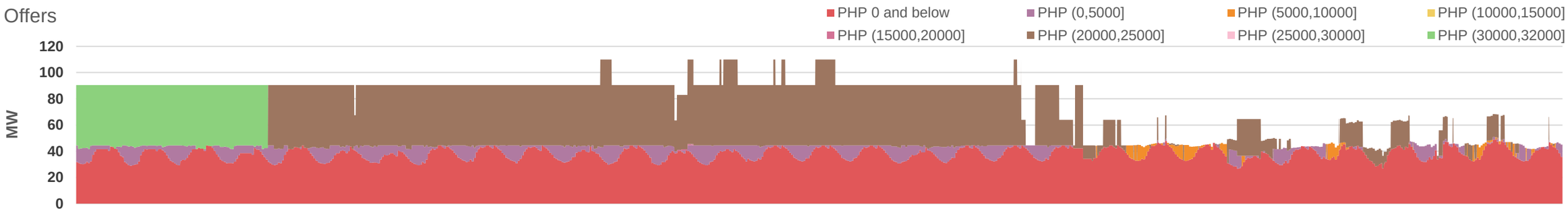
Philippine Electricity Market Corporation

MINDANAO - REGULATING DOWN

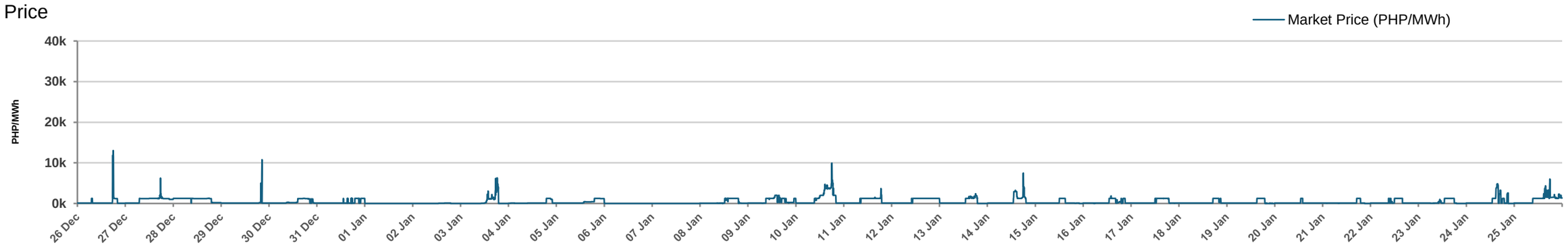
Requirement and Schedule



Offers



Price



PUBLIC

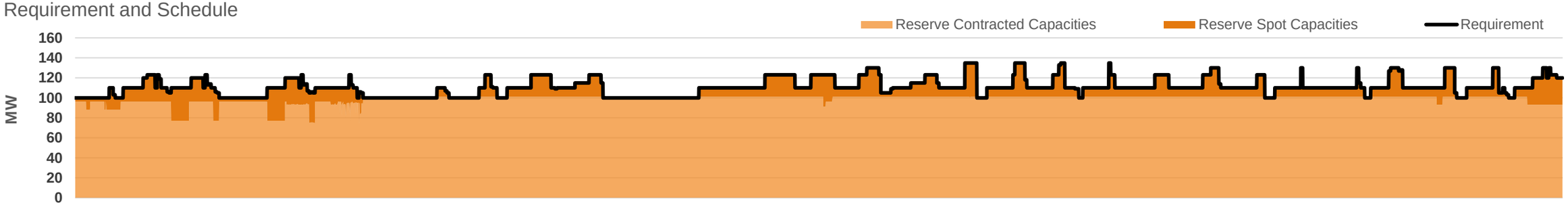
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

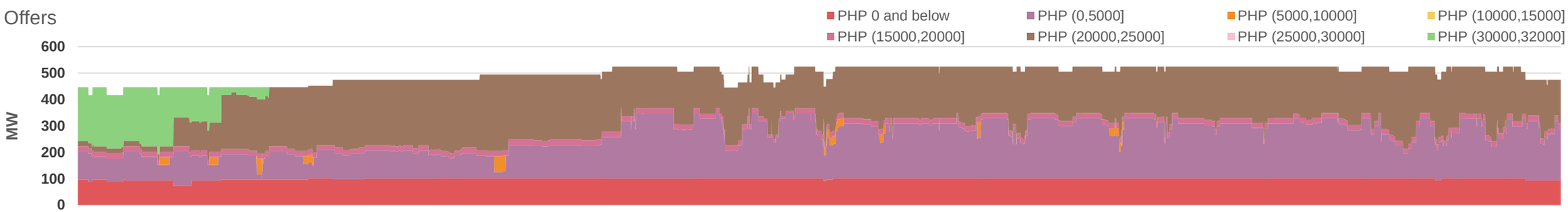
Philippine Electricity Market Corporation

MINDANAO - CONTINGENCY

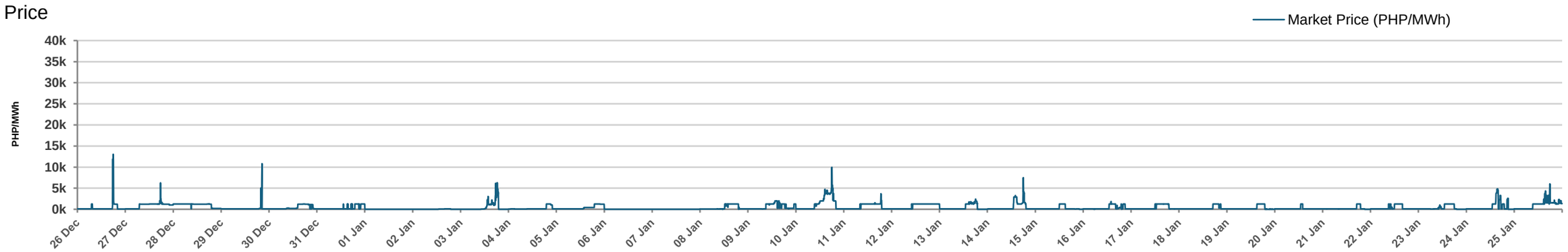
Requirement and Schedule



Offers



Price



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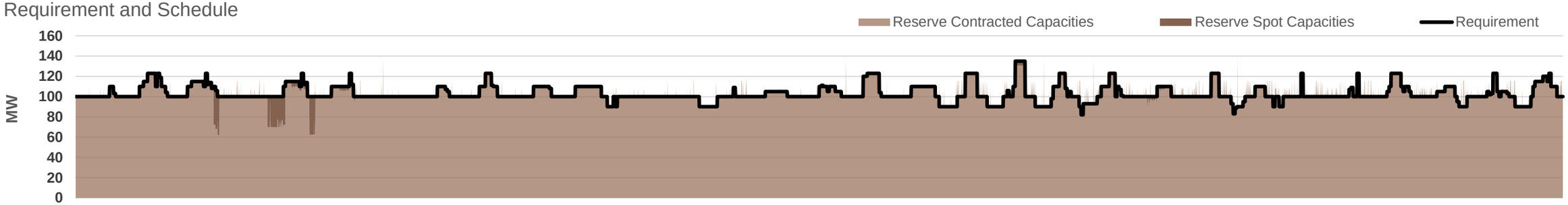
MARKET OUTCOME
RESERVE MARKET

26 December 2024 - 25 January 2025

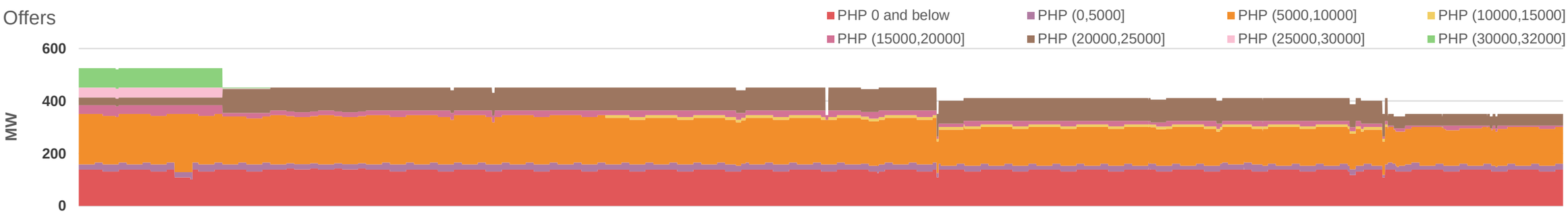
Philippine Electricity Market Corporation

MINDANAO - DISPATCHABLE

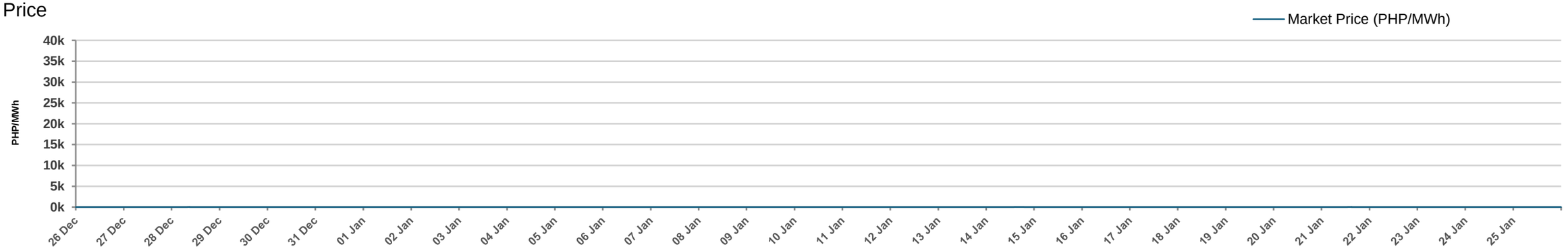
Requirement and Schedule



Offers



Price



PUBLIC

MARKET OUTCOME
RESERVE MARKET
26 December 2024 - 25 January 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	159.62	92%	13.32	8%	0.10	65.00	465	5%	114.29%▲	0.00	31,500.00	5,235.30	9.84%▼
Visayas	11.39	31%	25.02	69%	0.05	28.30	4,001	45%	5.75%▼	0.00	25,000.00	21,009.61	0.78%▲
Mindanao	37.11	97%	25.02	65%	0.01	10.82	3,255	36%	17.62%▼	0.00	32,000.00	5,427.88	44.99%▼
Regulating Down													
Luzon	159.90	92%	13.32	8%	0.10	43.00	343	4%		0.00	25,000.00	5,090.15	13.31%▼
Visayas	11.39	31%	25.17	69%	0.05	28.30	3,218	36%	23.64%▼	0.00	32,000.00	21,392.68	16.10%▼
Mindanao	37.19	97%	1.19	3%	0.01	6.94	3,718	42%	3.10%▼	0.00	31,000.00	5,979.46	39.45%▼
Contigency													
Luzon	414.15	67%	206.09	33%	0.10	0.10	41	0.00	24.24%▲	0.00	24,700.08	1,424.31	64.49%▼
Visayas	65.11	43%	85.60	57%	0.10	19.40	1,072	0.12	3,148.48%▲	3,498.00	26,008.36	20,462.92	102.30%▲
Mindanao	98.82	89%	12.05	11%	0.10	0.10	204	0.02	18.73%▼	0.00	13,042.09	462.47	69.11%▼
Dispatchable													
Luzon	241.17	43%	315.38	57%	0.10	0.10	5	0%		0.00	960.00	459.16	35.18%▼
Visayas	0.54	0%	137.44	100%	0.10	0.30	244	3%	32.78%▼	11.00	24,689.00	2,191.65	48.13%▼
Mindanao	102.44	99%	1.21	1%	0.10	0.10	2,221	25%	42.74%▲	0.00	20.00	0.26	99.82%▼

PUBLIC

ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Luzon			
BAT	LUMBAN BESS	50	12/24/2024 0:16			Maintenance	Ongoing testing and commissioning.
BIOF	ACN	3.2	1/4/2025 12:00			Forced	Engine trouble
BIOF	LA SUERTE	5.1	12/22/2024 13:13	1/1/2025 18:13	10	Forced	UnPlanned, reason for outage yet to be declared.
BIOF	GFI	15.8	12/21/2024 9:11	1/22/2025 10:48	32	Maintenance	Repair and Maintenance
COAL	PETRON 2	35	12/26/2024 17:29	12/27/2024 17:46	1	Forced	Tripped due to excessive oil leak.
COAL	PETRON 1	35	12/30/2024 7:46	1/24/2025 5:05	25	Planned	Planned.
COAL	PETRON 2	35	1/8/2025 16:22	1/21/2025 2:27	13	Forced	Emergency shutdown due to suspected tube leak.
COAL	ANDA(APC2)	72	12/21/2024 0:05	1/11/2025 3:05	21	Planned	Planned shutdown until January 10, 2024.
COAL	SLTEC 1	122	1/15/2025 3:01	1/20/2025 18:07	5	Forced	Plants Safety protocol and shutdown procedure in preparation for the corrective maintenance of Calaca 230kV Bus CVT affecting Calaca-Salong 230kV Line.
COAL	SLTEC 2	124	12/27/2024 0:00			Planned	Planned from December 27, 2024 - February 15, 2025
COAL	SLPGC 2	149.6	11/14/2024 22:51	1/21/2025 19:09	68	Maintenance	Maintenance.
COAL	MPGC 4	150	12/20/2024 23:04	1/1/2025 8:15	12	Forced	Corrective maintenance on main steam line.
COAL	SCPC 4	150	1/6/2025 3:57	1/21/2025 22:12	15	Planned	Planned until January 27, 2025.
COAL	MPGC 3	150	1/15/2025 2:00			Planned	Planned until February 5, 2025.
COAL	CLC1	240	12/11/2024 1:34	1/11/2025 10:48	31	Maintenance	Maintenance until January 9, 2025.
COAL	CLC1	240	1/11/2025 15:25	1/12/2025 23:50	1	Forced	Emergency shutdown due to observed very hot area at expansion joint above the bottom ash hopper.
COAL	CLC2	300	1/7/2025 14:13	1/13/2025 16:37	6	Forced	Tripping caused by PCB Generator Transformer Plug and Switch System module
COAL	MSLC2	344	12/29/2024 23:22	12/31/2024 14:32	2	Maintenance	Maintenance on December 30, 2024
COAL	PBL1	382	1/16/2025 23:32	1/21/2025 8:35	5	Forced	Emergency s d due to boiler tube leak.
COAL	PBL3	420	1/4/2025 1:15			Planned	Planned until March 14, 2025
COAL	QPPL	460	1/2/2025 23:46	1/12/2025 18:40	10	Planned	Planned until January 12, 2025.
COAL	SUAL 2	647	12/17/2024 23:40	1/15/2025 16:42	29	Planned	Planned shutdown until January 17, 2025.
COAL	SUAL 1	647	1/24/2025 23:32			Maintenance	Maintenance until January 31, 2024.
COAL	DINGININ 2	668	1/10/2025 21:15	1/11/2025 6:08	1	Forced	Due to boiler reheater tube temperature high
COAL	DINGININ 1	668	1/20/2025 9:10			Forced	Emergency shutdown due to boiler tube leak.
GEO	MB O2	3	12/25/2024 14:14	12/27/2024 1:00	2	Forced	Tripped due to loss of feedback power.

PUBLIC

ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Luzon			
GEO	TIWI C BINARY	16.7	1/3/2025 1:49	1/5/2025 8:32	2	Forced	Tripped due to excessive vibration of pentane line.
GEO	TIWI C BINARY	16.7	1/5/2025 10:10	1/21/2025 21:10	16	Forced	Tripped due to excessive vibration of pentane line.
GEO	MB 2	57	1/22/2025 0:01			Planned	Planned.
HYD	ANG A U2	6	11/6/2023 8:01			Planned	Total Plant shutdown (Planned)
HYD	MAS	12	12/16/2024 11:55	12/28/2024 13:26	12	Forced	Tripped due to AVR control error.
HYD	ANG M U1	50	6/28/2024 8:01			Maintenance	Replacement of Main Unit No.1 in relation to the ongoing AHEPP Modernization and Rehabilitation Project (December 31, 2024, 2400h).
HYD	PAN 2	60	1/19/2025 21:13	1/20/2025 11:26	1	Forced	Affected by the simultaneous tripping of Nagsaag-Pantabangan 230kV Line & Pantabangan-Cabanatuan 230kV Line.
HYD	PAN 1	60	1/19/2025 21:13	1/20/2025 11:26	1	Forced	Affected by the simultaneous tripping of Nagsaag-Pantabangan 230kV Line & Pantabangan-Cabanatuan 230kV Line.
HYD	SN ROQUE 2	145	1/13/2025 0:00			Planned	Planned until February 28, 2025.
HYD	KAL 2	181	1/11/2025 22:00	1/12/2025 3:31	1	Forced	Affected by the Planned requested by P&E to facilitate the installation of 8-03DS23SJU(New).
HYD	KAL 3	181.4	12/28/2024 22:00	12/29/2024 5:03	1	Forced	Affected by the shutdown requested by P&E related to the South Luzon Upgrading Project
NATG	ILIJAN A2	190	12/18/2024 16:10			Forced	Emergency shutdown due to fuel problem.
NATG	ST. RITA 10	263	12/27/2024 23:54	12/29/2024 20:27	2	Planned	Planned
NATG	ST. RITA 20	263	1/3/2025 23:42	1/5/2025 23:57	2	Planned	Planned until January 6, 2025
NATG	ST. RITA 40	263	1/3/2025 23:53	1/5/2025 23:57	2	Planned	Planned until January 6, 2025
NATG	ST. RITA 30	263	1/10/2025 23:45	1/12/2025 19:38	2	Maintenance	Maintenance.
NATG	ST. RITA 20	263	1/14/2025 15:10	1/15/2025 9:20	1	Forced	Tripped while ongoing de-loading due to clogging of cooling water system (RECLASSIFIED FROM FORCE OMC OUTAGE)
NATG	EERI3	440	10/2/2024 16:56	1/11/2025 14:25	101	Maintenance	Under test and commissioning.
NATG	EERI1	440	12/13/2024 18:40	12/26/2024 19:42	13	Maintenance	Unit shutdown as part of testing and commissioning.
NATG	EERI2	440	12/31/2024 12:05	1/4/2025 23:24	4	Maintenance	Ongoing testing and commissioning.
NATG	EERI3	440	1/11/2025 15:17	1/15/2025 10:23	4	Forced	Emergency shutdown due to high differential pressure at condenser extraction pump.

PUBLIC

ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Luzon							
NATG	EERI2	440	1/15/2025 16:34	1/16/2025 10:11	1	Forced	Tripped after conducting load rejection (ST tripping) at 1631H from 420MW to 270MW. Caused of tripping was due to hot reheat bypass temperature problem.
NATG	EERI3	440	1/21/2025 11:57	1/22/2025 15:26	1	Maintenance	On-going Test and commissioning
NATG	EERI2	440	1/21/2025 16:41	1/23/2025 12:38	2	Maintenance	Conducted House Load Rejection Test. On-going Test and commissioning
NATG	EERI3	440	1/24/2025 11:12			Forced	Emergency shutdown due to high differential pressure at BFP and constraint on fuel gas supply.
OIL	SUBIC U7	13.75	1/16/2025 0:01	1/20/2025 22:00	4	Planned	Servicing of charge air cooler. Until January 20, 2025.
OIL	SUBIC U4	13.75	1/18/2025 8:37	1/19/2025 7:37	1	Planned	Shutdown of One Subic Power T01.
OIL	SUBIC U3	13.75	1/18/2025 8:37	1/19/2025 7:37	1	Planned	Shutdown of One Subic Power T01.
OIL	SUBIC U2	13.75	1/18/2025 8:37	1/19/2025 7:37	1	Planned	Shutdown of One Subic Power T01.
OIL	SUBIC U1	13.75	1/18/2025 8:37	1/19/2025 7:37	1	Planned	Shutdown of One Subic Power T01.
OIL	SUBIC U6	13.75	1/21/2025 0:00	1/24/2025 16:00	3	Planned	Planned until January 25, 2025.
OIL	LIMAY-U6	60	1/6/2025 0:01			Planned	Planned until February 19, 2025.
OIL	MAL 2	130	7/24/2024 21:24			Forced	Tripped due to loss prime of CWP
OIL	MAL 1	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
SOLR	PINUGAY	80.1	1/11/2025 18:23	1/13/2025 5:41	2	Forced	Affected by outage of Meralco-owned line.
WIND	PILILLIA	53.6	1/11/2025 19:13	1/13/2025 5:31	2	Forced	Affected by outage of Meralco-owned line.
WIND	BALAOI WIND	80	11/7/2024 23:18	1/2/2025 16:01	56	Forced	Affected by Laoag-Balaoi Windfarm 115kV Line tripping
Visayas							
BAT	KAB BESS U0	30	1/14/2025 7:12	1/21/2025 18:00	7	Planned	De-energized due to corrective maintenance.
BAT	KAB BESS U0	30	1/21/2025 18:01	1/22/2025 14:01	1	Forced	corrective maintenance.
BIOF	HPC U1 U0	2	11/12/2023 20:00			Forced	Defective auxiliary of vibration meter.
BIOF	VMC U0	2.5	4/21/2024 16:20			Forced	Weekly maintenance.
BIOF	CASA 2 U1	7	4/15/2024 12:44			Forced	Due to internal trouble
BIOF	SCBI U0	7.4	3/31/2023 10:35			Forced	Plant shutdown
BIOF	FFHC U0	9	1/13/2025 6:08	1/14/2025 8:28	1	Forced	weekly maintenance
BIOF	FFHC U0	9	1/20/2025 17:26	1/21/2025 23:21	1	Forced	Shutdown due to weekly maintenance.

PUBLIC

ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Visayas							
BIOF	FFHC U0	9	1/22/2025 1:19	1/23/2025 0:15	1	Forced	Emergency shutdown due to explosion of Plant evaporator no.4.
BIOF	HPC U2 U0	9.5	12/23/2024 14:10	12/27/2024 15:52	4	Forced	Shutdown due to weekly maintenance.
BIOF	HPC U2 U0	9.5	1/13/2025 7:12	1/14/2025 8:36	1	Forced	weekly maintenance.
BIOF	CABI U0	12	12/30/2024 17:36	1/2/2025 9:00	3	Forced	Offline due to holiday shutdown.
BIOF	NNBP U1	25	12/4/2024 18:55			Forced	Emergency shutdown due to boiler problem.
BIOF	VMCI U0	35	12/27/2024 15:13	12/30/2024 7:40	3	Forced	Isolated from grid due to detached wire connected to Str # 88 along Silay-VMC 69kV line section.
COAL	CEDC U1	83.2	1/16/2025 20:47	1/18/2025 0:27	2	Forced	Drum level high (control valve problem)
COAL	KSPC U2	103	12/24/2024 5:42	12/28/2024 4:09	4	Forced	Unit emergency shutdown due to tube leak
COAL	KSKP U0	103	1/11/2025 0:01			Planned	Manually cut-out for APMS
COAL	TVI U1	169	12/26/2024 0:26	1/18/2025 8:50	23	Maintenance	UnPlanned of TVI Unit 1 to conduct PMS
COAL	TVI U2	169	1/11/2025 13:45	1/13/2025 7:12	2	Forced	Generator protection triggered
COAL	TVI U2	169	1/22/2025 0:12			Planned	APMS (GOMP)
GEO	BILIRAN U1	1	10/5/2024 4:39			Forced	Turbine high vibration trip
GEO	BAGO BINARY U1	4.7	9/24/2024 19:57			Forced	Turbine tripped under test and commissioning.
GEO	MAHA A U2	5	1/13/2025 3:06	1/14/2025 1:25	1	Forced	Cut-out for STG high vibration assessment
GEO	UMPP U4	27.5	10/23/2024 8:25			Maintenance	Emergency repair of air-cooled condenser
GEO	UMPP U2	30	10/23/2024 8:21			Maintenance	Emergency repair of air-cooled condenser
GEO	MALITBOG U1	73.12	1/7/2025 5:24	1/8/2025 14:52	1	Forced	To effect repair of steam leak at main steam line drain pot.
GEO	MALITBOG U2	77.5	7/8/2024 5:43			Forced	Due to high vibration
HYD	Villasiga U3	0.9	12/29/2024 23:51	12/30/2024 0:34	1	Forced	Affected by tripping of San Jose-Sibalom 69kV line
HYD	SMHC U1	1.25	12/25/2024 23:59	12/26/2024 6:46	1	Forced	Overtime of drain pumps.
HYD	Villasiga U2	3.6	12/29/2024 23:51	12/30/2024 0:28	1	Forced	Affected by tripping of San Jose-Sibalom 69kV line
HYD	UPPER TAFT U1	4.7	12/23/2024 0:03			Forced	Due to cutting of flat bar at trash rack and connection of lifting rod for the flushing gate. (Under test and commissioning)
HYD	UPPER TAFT U2	4.7	12/23/2024 0:04			Forced	Due to cutting of flat bar at trash rack and connection of lifting rod for the flushing gate. (Under test and commissioning)

PUBLIC

ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Visayas							
HYD	UPPER TAFT U3	4.7	12/23/2024 0:05			Forced	Due to cutting of flat bar at trash rack and connection of lifting rod for the flushing gate. (Under test and commissioning)
OIL	TPVI U1	5.5	10/28/2024 21:53			Forced	Unable to cut-in unit due to main bearing #6 temperature high
OIL	PB104 U4	8	1/21/2025 17:54	1/23/2025 21:10	2	Forced	Malfunction circuit breaker.
OIL	TPC (Carmen) U4	10	8/24/2024 0:00			Forced	Detached connecting rods and crank shaft for machining
OIL	EAUC U1	11.5	5/13/2024 22:55			Forced	CYLINDER NO. 7 CRANKCASE EXPLOSION
OIL	EAUC U4	11.5	1/4/2025 21:28	1/5/2025 4:31	1	Forced	Unit Forced failure to start due to fuel oil leak at engine supply and return line
OIL	EAUC U3	11.5	1/16/2025 7:00	1/19/2025 5:30	3	Maintenance	Scheduled Maintenance
OIL	EAUC U3	11.5	1/21/2025 22:26	1/22/2025 23:45	1	Forced	Emergency cut-out due to abnormal sound at cylinder # 6
OIL	EAUC U4	11.5	1/24/2025 22:50			Forced	Unit emergency shutdown due to detected abnormal sound in the crankcase.
SOLR	Silay Solar U0	20	1/19/2025 6:02	1/20/2025 5:51	1	Forced	Isolated from grid due to Bacolod-Silay-VMC 69kV planned activities by NEPC.
Mindanao							
BIOF	CSC U1	3.4	12/31/2024 3:12	1/2/2025 16:00	2	Forced	Plant shutdown due to unavailability of sugarcane stock. (OMC Outage)
BIOF	BBM U0	5.7	10/8/2024 15:56			Forced	Tripped due to SOCOTECO 1 69KV(SRB)line power outage.
BIOF	SPG U1	6	1/12/2025 15:25	1/15/2025 7:35	3	Forced	Auto-tripped due to turbine inlet steam temperature low. (Forced)
BIOF	SPG U1	6	1/17/2025 16:45	1/21/2025 7:44	4	Forced	Auto-tripped due to unstable boiler parameters. (Forced)
BIOF	BBI U0	12.4	1/6/2025 20:20	1/7/2025 0:34	1	Forced	Power interruption due to substation disturbance. (OMC Outage)
COAL	PPE U1	20	10/11/2024 6:34			Forced	Forced. Cause for verification.
COAL	MCC U1	55	12/21/2024 16:04	12/27/2024 23:59	6	Forced	Plant shutdown due to suspected tube leak at economizer 2
COAL	MCC U1	55	1/4/2025 0:00	1/9/2025 23:41	5	Forced	Maintenance. (NON-GOMP). ETC January 9, 2025
COAL	SMF1 U1	122	1/9/2025 23:52			Planned	Maintenance Shutdown (GOMP). ETC Jan 30, 2025
COAL	FMP U3	135	1/9/2025 15:23	1/16/2025 8:20	7	Forced	FMP (FDC) U3 on emergency S D due to observed Steam heat at cyclone B (Forced. ETC Jan 16, 2025.
COAL	MCO U1	149.9	1/25/2025 4:22			Planned	PMS (GOMP). ETC. February 14, 2025
COAL	MCO U2	150	10/11/2024 1:12	1/3/2025 9:14	84	Forced	Tripped. Indication Induced draft fan. NO ETC yet
COAL	GKP U2	151	12/15/2024 2:01	1/5/2025 17:54	21	Forced	PMS(Non-GOMP). GN Power Kauswagan U2 shutdown. ETC December 25, 2024
GEO	MA3 U1	3.6	1/10/2025 3:34	1/13/2025 20:00	3	Forced	Force outage. Indication Brine flow low
GEO	MA2 U1	50	1/10/2025 0:02			Planned	Maintenance Shutdown (GOMP). ETC Jan 30,2025

PUBLIC

ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
				Mindanao			
HYD	TL2 A U2	0.2	1/7/2025 22:43	1/8/2025 1:08	1	Forced	Plant isolated due to DLPC Tugbok recloser tripped. (OMC Outage)
HYD	MHP U0	0.5	9/13/2024 13:20			Forced	Emergency shutdown due to bearing temperature rising. (Forced)
HYD	TL1 U1	0.5	1/1/2025 22:55	1/2/2025 3:16	1	Forced	Plant shutdown due to AVR fault. (Forced)
HYD	TL3 U2	0.93	1/2/2025 15:02	1/6/2025 5:00	4	Forced	Plant shutdown due to replacement of broken turbine breakable link and leaking packing seal. (Forced)
HYD	TL3 U2	0.93	1/7/2025 22:43	1/8/2025 0:43	1	Forced	Plant isolated due to DLPC Tugbok recloser tripped. (OMC Outage)
HYD	TL3 U1	0.93	1/7/2025 22:43	1/8/2025 0:43	1	Forced	Plant isolated due to DLPC Tugbok recloser tripped. (OMC Outage)
HYD	ALP U0	2.6	7/28/2024 8:05			Forced	Plant on shutdown. Generating Units 1 & 2 were totally damaged by landslide. (Forced)
HYD	NBT U0	3	9/2/2024 10:01	1/15/2025 21:30	135	Forced	Plant shutdown due to weir repair. ETC December 02, 2024. (Forced)
HYD	TU2 U1	5.5	11/25/2024 8:54			Forced	Plant shutdown due to runout check of runner and bearing check-up check the RTD placements and clearance verification.
HYD	MN2 U3	6.8	1/21/2025 8:05	1/23/2025 10:45	2	Planned	GOMP (Planned Shutdown). Runner replacement. ETC Jan. 26, 2025
HYD	MN1 U3	16.2	12/24/2024 8:28	12/27/2024 4:54	3	Forced	Emergency shutdown to conduct repair of penstock. (UnPlanned) ETC December 27, 2024
HYD	MN1 U4	16.2	12/24/2024 8:32	12/27/2024 4:33	3	Forced	Emergency shutdown to conduct repair of penstock. (UnPlanned) ETC December 27, 2024
HYD	AG1 U2	35	12/21/2024 8:02	12/30/2024 19:25	9	Planned	Agus 1 Unit 2 HEP shutdown. Planned (PMS-GOMP). ETC December 31, 2024
HYD	AG6 U4	40	1/2/2025 16:12	1/3/2025 20:35	1	Forced	Emergency shutdown due to lower guide bearing cooler leaked. (Forced)
HYD	AG6 U4	40	1/13/2025 9:05	1/17/2025 22:00	4	Forced	PMS (Non-GOMP). ETC January 22, 2025.
HYD	AG4 U1	52.7	12/13/2024 16:25			Forced	Auto-tripped triggered by SEL 700G (Generator Protection Relay). (Forced)
HYD	AG2 U3	60	1/22/2025 8:17			Planned	Planned - PMS(GOMP). ETC February 2, 2025
HYD	PG4 U1	75	1/21/2025 11:34	1/22/2025 18:26	1	Forced	Due to low forebay elevation. OMC (UnPlanned)
OIL	WMP U7	10	1/12/2025 21:52			Forced	Declared unavailable due to Forced of Zamboanga-WMPC 138kV Line 2. (OMC Outage)
OIL	WMP U8	10.1	1/12/2025 21:52	1/18/2025 20:55	6	Forced	Declared unavailable due to Forced of Zamboanga-WMPC 138kV Line 2. (OMC Outage)
OIL	WMP U8	10.1	1/19/2025 17:10	1/21/2025 12:19	2	Forced	Declared unavailable due to Forced of PCB 2CB04(7XF02WMP). (Forced)
OIL	WMP U8	10.1	1/21/2025 18:31			Forced	Emergency shutdown due to abnormality of bus-tie breaker.

PUBLIC

ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Mindanao							
OIL	WMP U9	10.2	1/12/2025 21:52	1/13/2025 11:21	1	Forced	Declared unavailable due to Forced of Zamboanga-WMPC 138kV Line 2. (OMC Outage)
OIL	WMP U6	10.2	1/12/2025 21:52	1/22/2025 10:14	10	Forced	Declared unavailable due to Forced of Zamboanga-WMPC 138kV Line 2. (OMC Outage)
OIL	WMP U10	10.2	1/12/2025 21:52	1/22/2025 8:00	10	Forced	Declared unavailable due to Forced of Zamboanga-WMPC 138kV Line 2. (OMC Outage)
OIL	WMP U9	10.2	1/18/2025 17:56	1/19/2025 17:10	1	Forced	Shutdown due to HT Water bellow leak. (Forced)
OIL	WMP U9	10.2	1/21/2025 18:31	1/22/2025 6:21	1	Forced	Emergency shutdown due to abnormality of bus-tie breaker.
OIL	WMP U6	10.2	1/22/2025 13:35	1/23/2025 11:11	1	Forced	Shutdown due to fuel leak. (Forced)
OIL	WMP U10	10.2	1/22/2025 14:35			Forced	Declared as Forced.
OIL	WMP U9	10.2	1/23/2025 12:52	1/24/2025 7:10	1	Forced	Due to thrust bearing problem. (UnPlanned)
OIL	KEG U0	10.6	4/15/2024 15:05			Forced	Failed to synchronize due to low SF6 Pressure on PCB. (Forced)

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ANNEX
OUTAGE SUMMARY
26 December 2024 - 25 January 2025

Philippine Electricity Market Corporation

Equipment Name	Trading Intervals	Percent of Time
5QUIOT_TR1	66	0.7%
1MEXI_1HER2	25	0.3%
CEBU_TO_NEGROS	25	0.3%
1BALI_1KDA2	15	0.2%
1BAUA_1LAT1	14	0.2%
1BALI_1KDA1	6	0.1%
1BAUA_1LAT2	6	0.1%
1SJO230_TR2	6	0.1%
3TIWIC_TR6	6	0.1%
1BING_1NGS2	4	0.04%
6PGPP1_TR1	2	0.02%
6PGPP1_TR3	2	0.02%

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.

DISCLAIMER

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