MONTHLY MARKET ASSESSMENT REPORT

26 August to 25 September 2024

NOVEMBER 2024

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.

SUMMARY OF OBSERVATIONS

- Market and Grid Condition:
  - **No Secondary Price Cap imposition**
  - **No Red and Yellow Alert** notice issuance by the System Operator
  - **No Declaration of Market Intervention event** by the Market Operator and/or the System Operator
  - **Notable congestions**:
    - Dasmariñas Corridor for 272 trading intervals (3% of the time);
    - Mexico-Hermosa line 1 for 159 trading intervals (2% of the time); and
    - Barotac-Dingle Lines 1 and 2 for 57 and 7 trading intervals (1% and 0.1% of time), respectively.

AT A GLANCE

Total Registered Capacity (in MW)

29,481.3 **0.09%**

Previous Month: 29,454.8 MW

Capacity on Outage (in MW)

3,193 10.83% of the total registered capacity

Previous Month: 3,961 MW

Capacity of Plants on Commissioning (in MW)

1,584 6.06% of the total registered capacity

Previous Month: 2,015 MW

Capacity Not Offered/Nominated (in MW)

4,596 15.59% of the total registered capacity

Previous Month: 4,299 MW

Capacity Offered/Nominated (in MW

20,067 68.07% of the total registered capacity

Previous Month: 19,158 MW

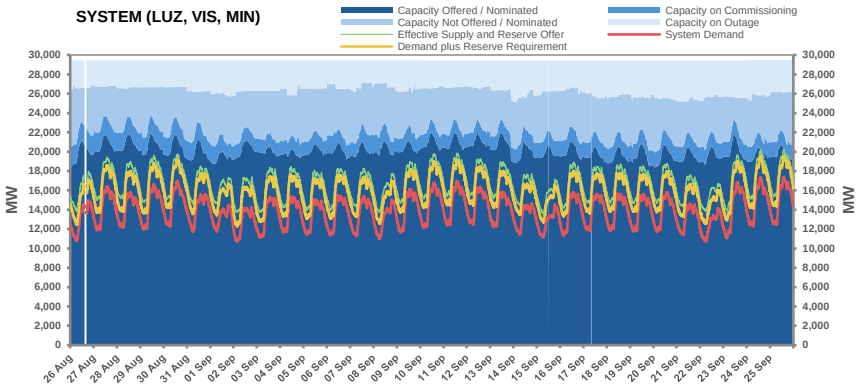
Load Weighted Average Price (LWAP) (in PHP/MWh)

4,011.43 **35.3%**

Previous Month: 6,200.01

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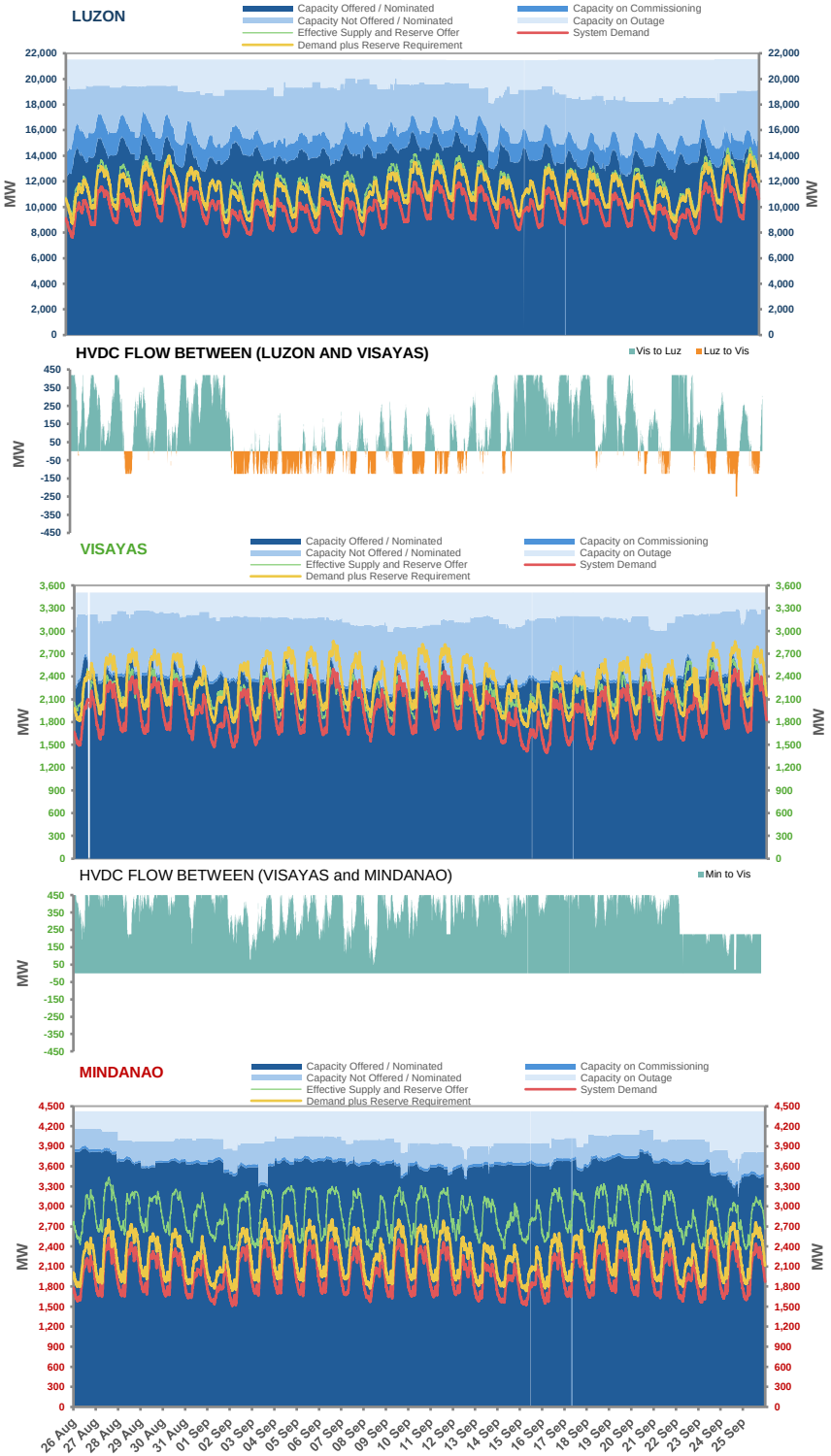
MARKET OUTCOME
CAPACITY PROFILE



Particulars	Min		Max		Ave	% Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Effective Supply						
System	13,614.69	09/15/2024 6:55	20,258.66	09/25/2024 14:30	16,749.18	0.30%▼
Luzon	9,172.85	09/22/2024 5:40	14,641.76	09/25/2024 14:30	11,692.70	0.49%▼
Visayas	1,790.35	09/08/2024 6:50	2,634.75	09/24/2024 12:25	2,168.86	3.48%▲
Mindanao	2,351.17	09/02/2024 1:15	3,435.65	08/27/2024 14:25	2,888.42	2.29%▼
Demand Plus Reserve Requirement						
System	12,317.76	09/02/2024 3:45	19,585.93	09/25/2024 14:25	15,885.34	0.99%▼
Luzon	8,715.92	08/26/2024 7:05	14,098.80	09/25/2024 14:25	11,335.92	1.47%▼
Visayas	1,718.96	09/16/2024 4:00	2,865.13	09/06/2024 14:35	2,296.80	0.74%▲
Mindanao	1,734.51	09/15/2024 6:55	2,850.77	09/04/2024 13:50	2,253.14	0.29%▼
Outage						
System	2,318.22	09/07/2024 12:35	4,262.56	09/14/2024 0:35	3,193.62	19.37%▼
Luzon	1,445.50	09/07/2024 12:05	3,515.00	09/19/2024 2:35	2,410.62	22.90%▼
Visayas	215.10	09/24/2024 9:05	516.68	09/09/2024 5:30	338.90	35.76%▼
Mindanao	258.00	08/26/2024 0:05	889.50	09/24/2024 18:50	443.33	44.94%▲

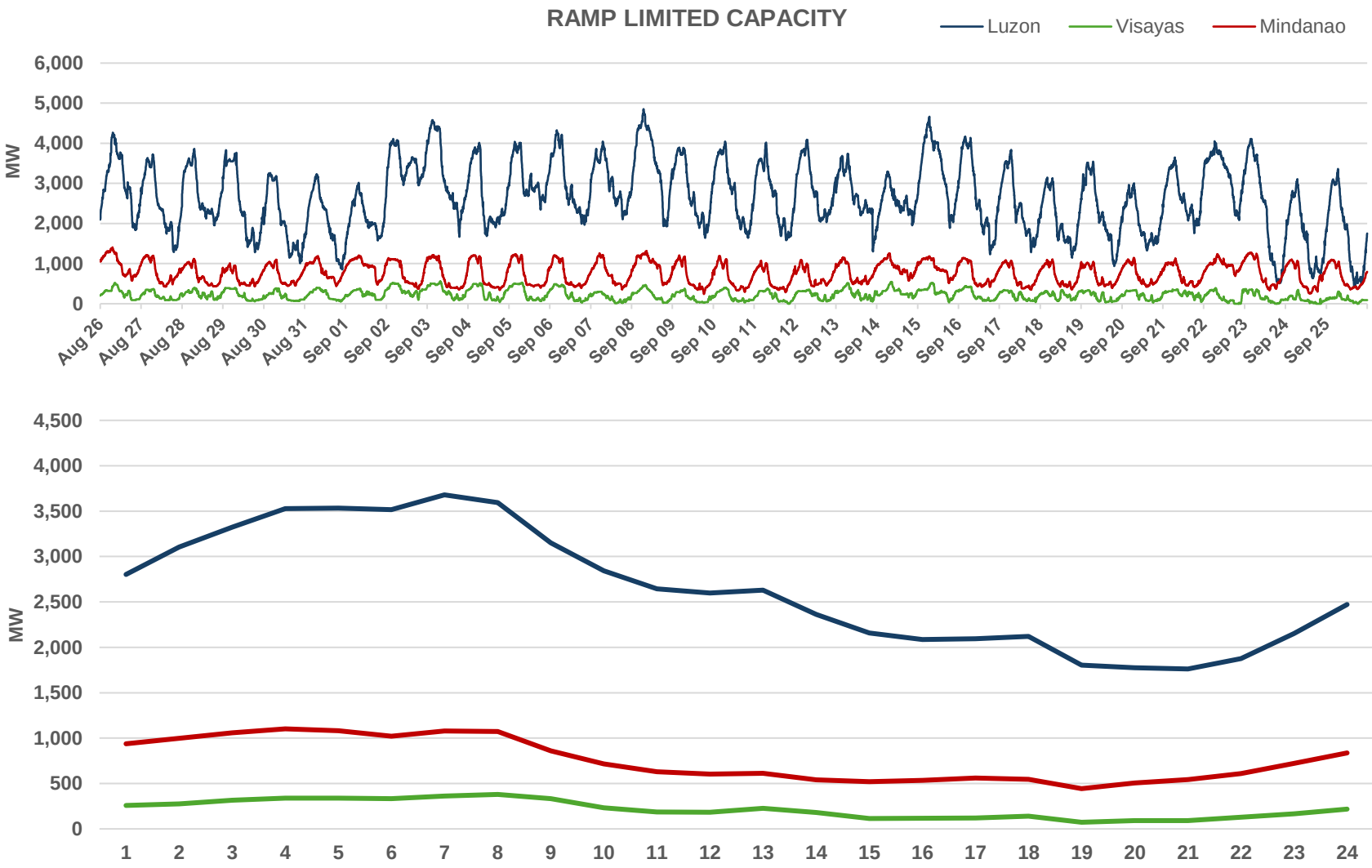
In a system-wide perspective, the effective supply still declined by an average of 0.3% despite the improvement (decrease) in capacities on outage at 19% for the billing in review. Moreover, the observed decrease by 1% in the demand was mainly due to the ongoing rainy season. Having colder weather temperature coupled with work and school suspension due to typhoons, the demand decreased.

The flow of power from Visayas to Luzon was noted for sixty-one percent (61%) of the time, with an average transfer of around 223 MW (51% of the total HVDC capacity). Additionally, electricity flowed from Mindanao to Visayas for 100% of the time, with an average flow of 365 MW (81% of the total HVDC capacity).



Public

MARKET OUTCOME
CAPACITY PROFILE



Particulars	Min		Max		Ave	% Change
	(in MW)	Date and time Interval	(in MW)	Date and time Interval	(in MW)	
Ramp Limited Capacity						
System	881.20	09/25/2024 16:25	6,541.71	09/08/2024 7:05	3,623.10	34.63%▲
Luzon	443.93	09/25/2024 16:25	4,853.03	09/08/2024 7:05	2,650.33	44.65%▲
Visayas	-	09/11/2024 20:05	558.12	09/03/2024 7:40	217.24	5.21%▲
Mindanao	242.71	09/09/2024 18:35	1,405.13	08/26/2024 7:15	755.58	15.79%▲

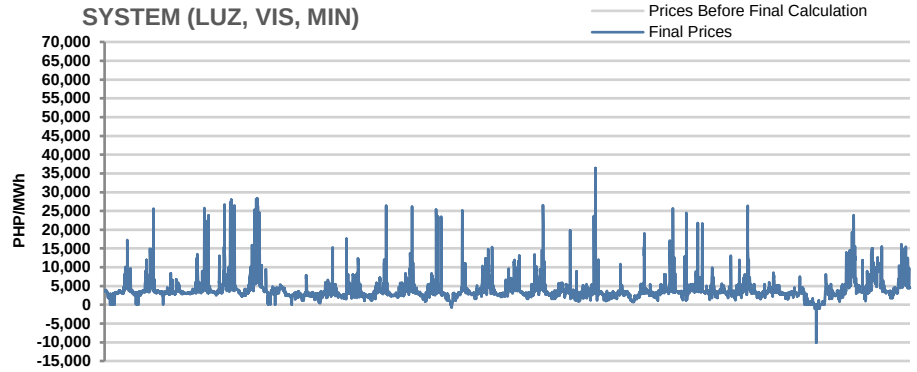
Regional ramp-limited capacites were observed on a per interval basis, with the highest observed average constraints occurring at the 0800h trading interval across all three regions. These limitations were primarily due to resource and technical factors.

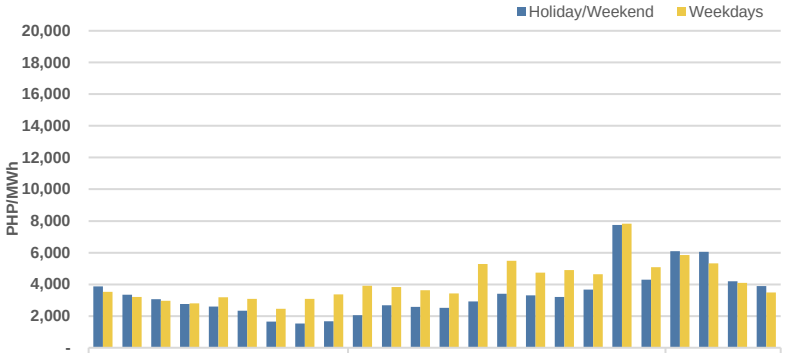
All regions experienced respective increases in ramp-limited capacities having an overall increase of 34% for system-wide ramp-limited capacities.

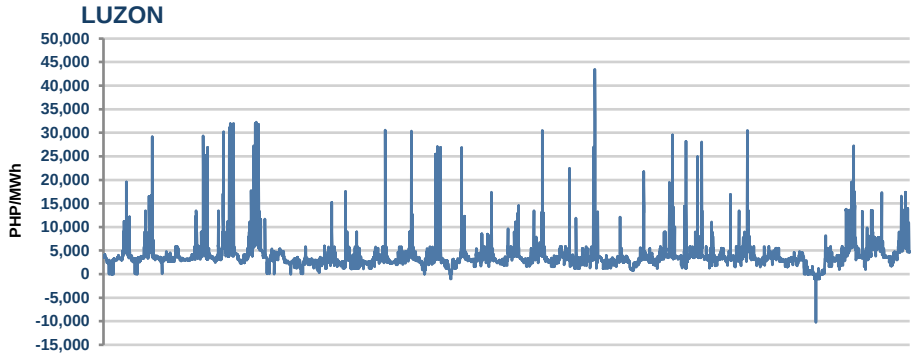
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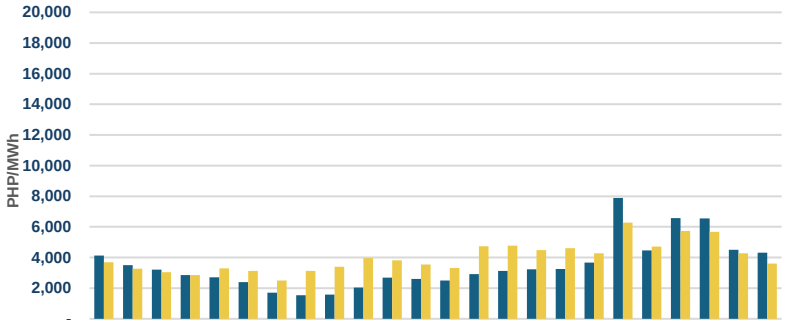
MARKET OUTCOME

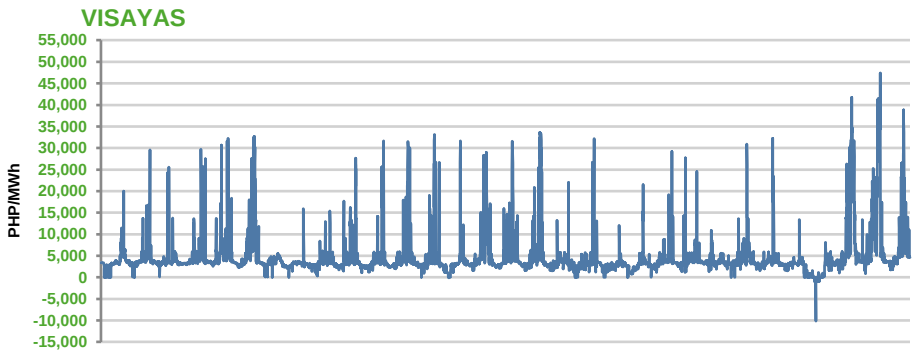
MARKET PRICE

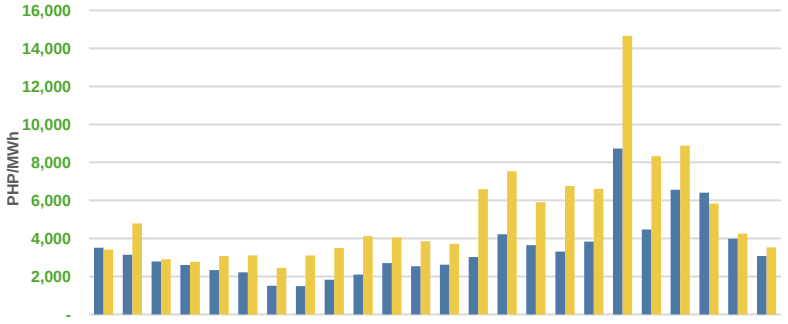


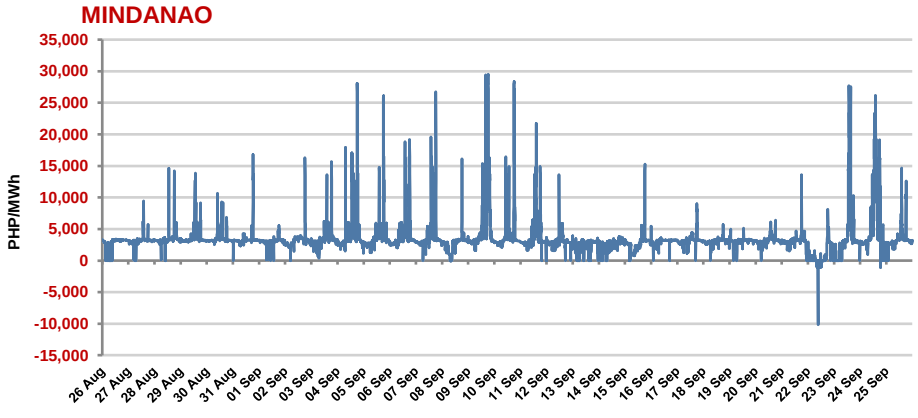


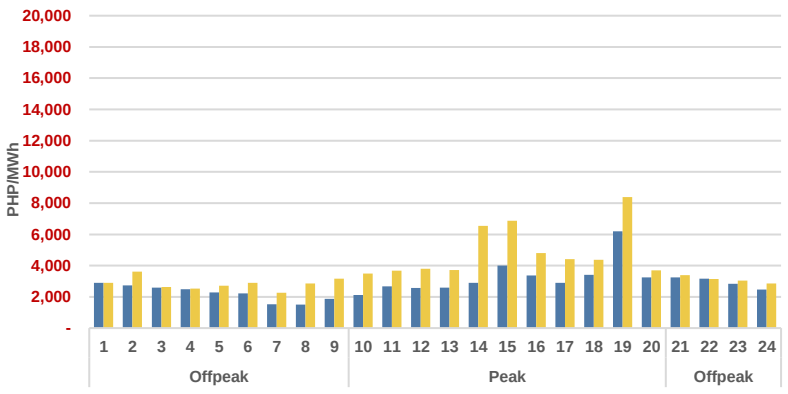








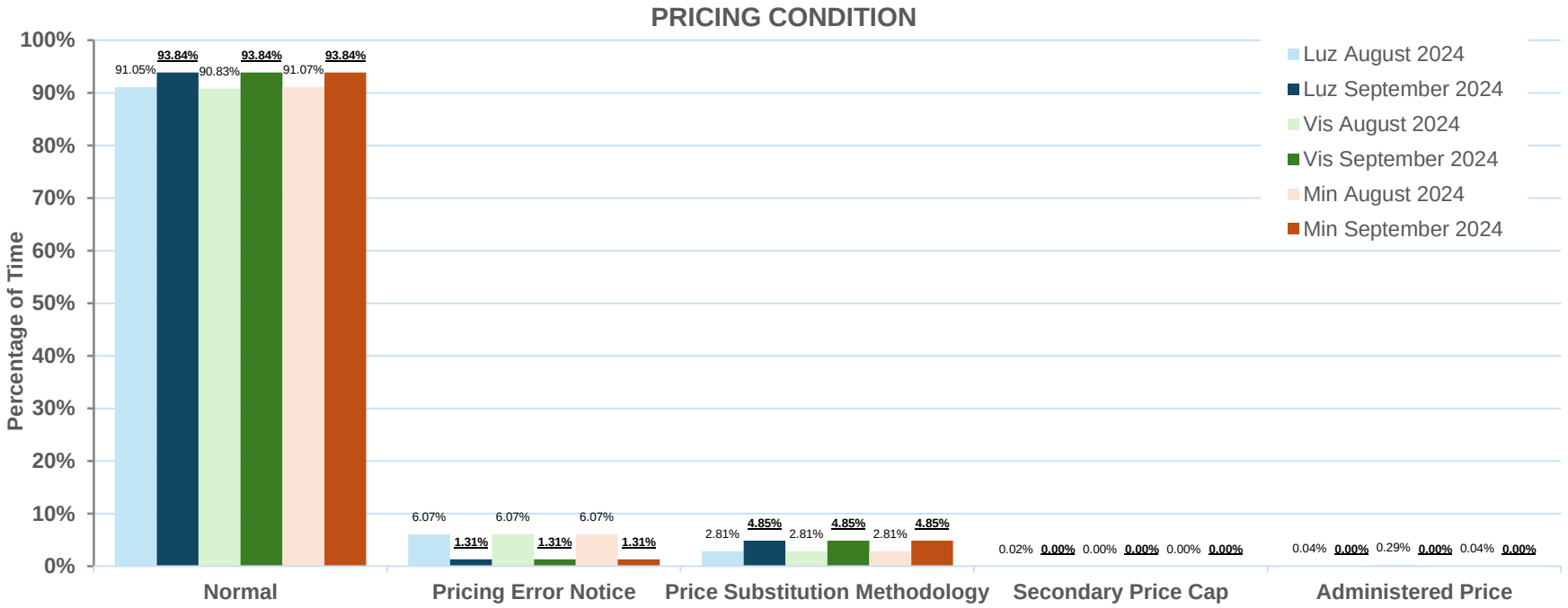




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MARKET OUTCOME

MARKET PRICE



Despite instances of high prices during the review period, both system-wide and regional, more than 90% of trading intervals had prices below PHP 9,000/MWh. There were no instances wherein high prices sustained for 72 hours to trigger the secondary price cap (SPC). Moreover, the average monthly price for September 2024 decreased by 35.3% as compared to the previous month.

Futhermore, comparing the market prices on the type of day, the demand for electricity is generally higher during weekdays since regular daily activities such as work, school, and other activities that require electricity are more prevalent. The increasing demand highly affects available supply and the resulting market price outcomes.

In general, during weekends and holidays, the electricity demand is typically lower as lesser activities are observed. Conversely, this reduced demand can lead to lower prices. Notably, even on weekends, some trading intervals saw high prices in Luzon, coinciding with the maintenance outage of a 460 MW coal-fired power plant on 31 August 2024 resulting in higher average prices during the trading hours of 1900h to 2400h.

However, it is important to note that this general pattern may also be influenced by other factors such as weather conditions, special events, and government policies.

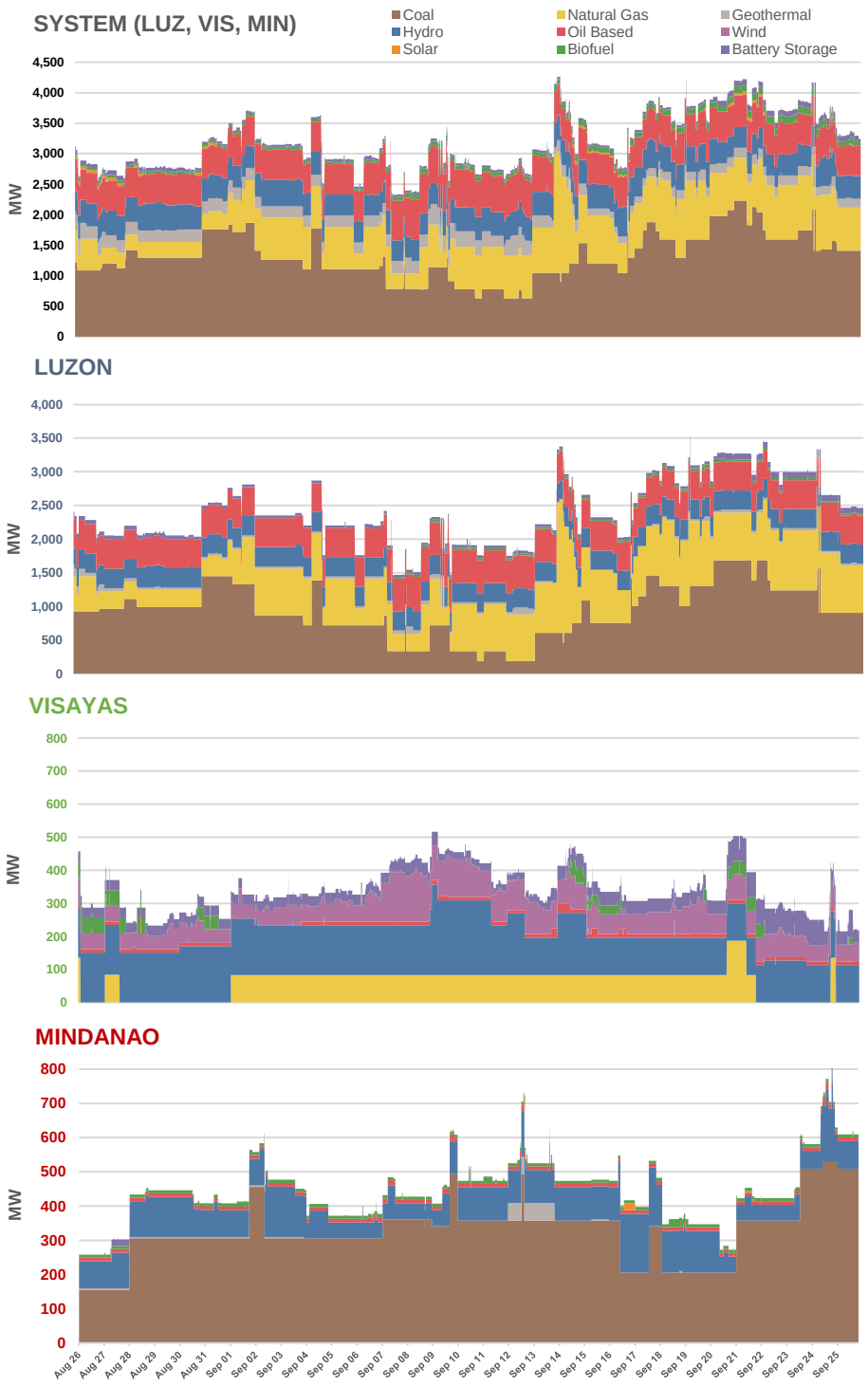
Particulars	Min		Max		Ave	% Change
	(PHP/MWh)	Date and time Interval	(PHP/MWh)	Date and time Interval	(PHP/MWh)	
Load Weighted Average Price (LWAP)						
System	-10,146.17	09/22/2024 9:25	36,461.00	09/13/2024 21:30	4,011.43	35.30%▼
Luzon	-10,146.17	09/22/2024 9:25	43,469.29	09/13/2024 21:30	3,923.31	39.78%▼
Visayas	-10,146.17	09/22/2024 9:25	47,380.99	09/24/2024 20:35	4,830.85	34.10%▼
Mindanao	-10,146.17	09/22/2024 9:25	29,513.60	09/09/2024 18:25	3,639.43	5.23%▲

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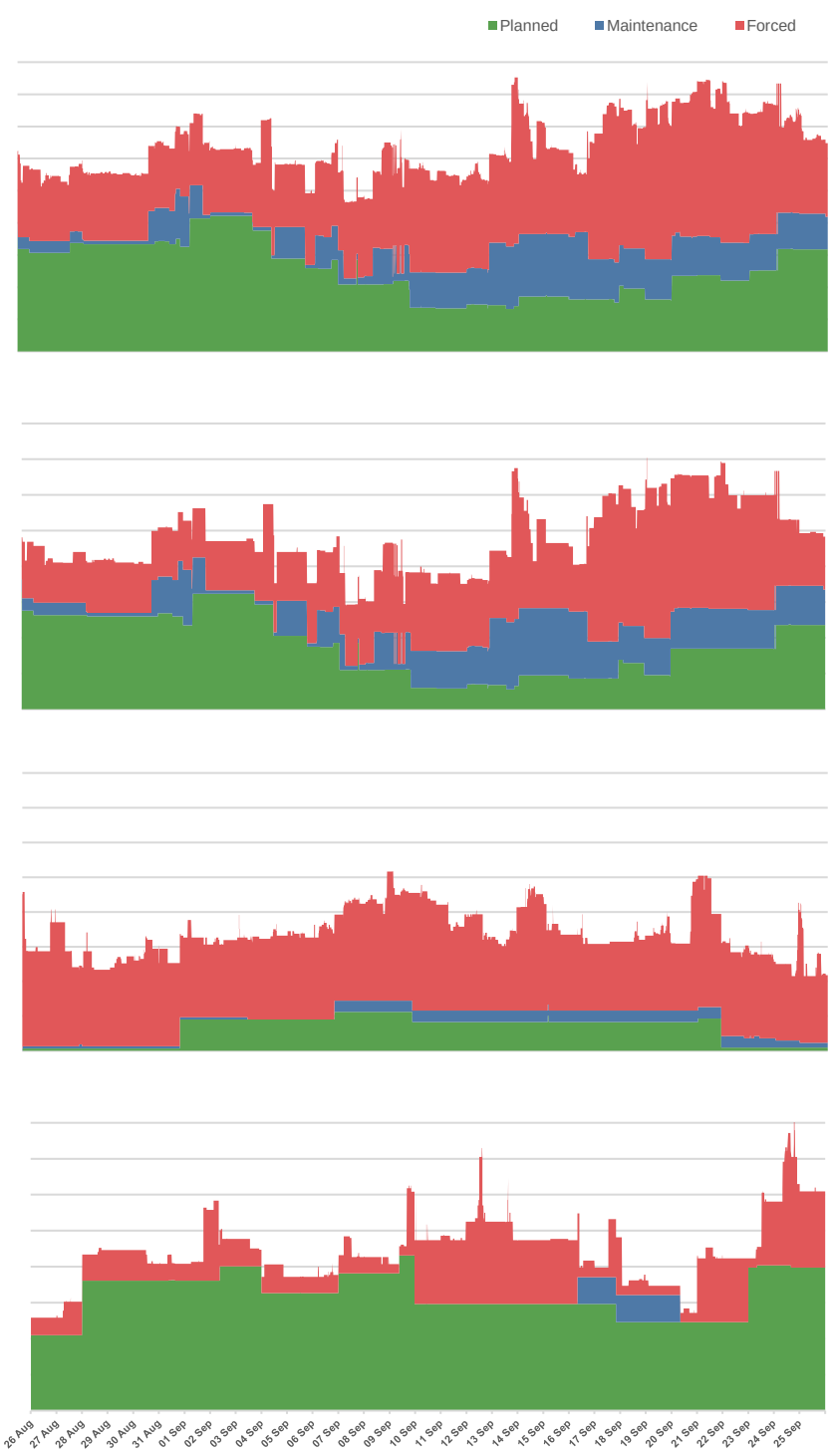
MARKET OUTCOME

CAPACITY ON OUTAGE

PER PLANT TYPE



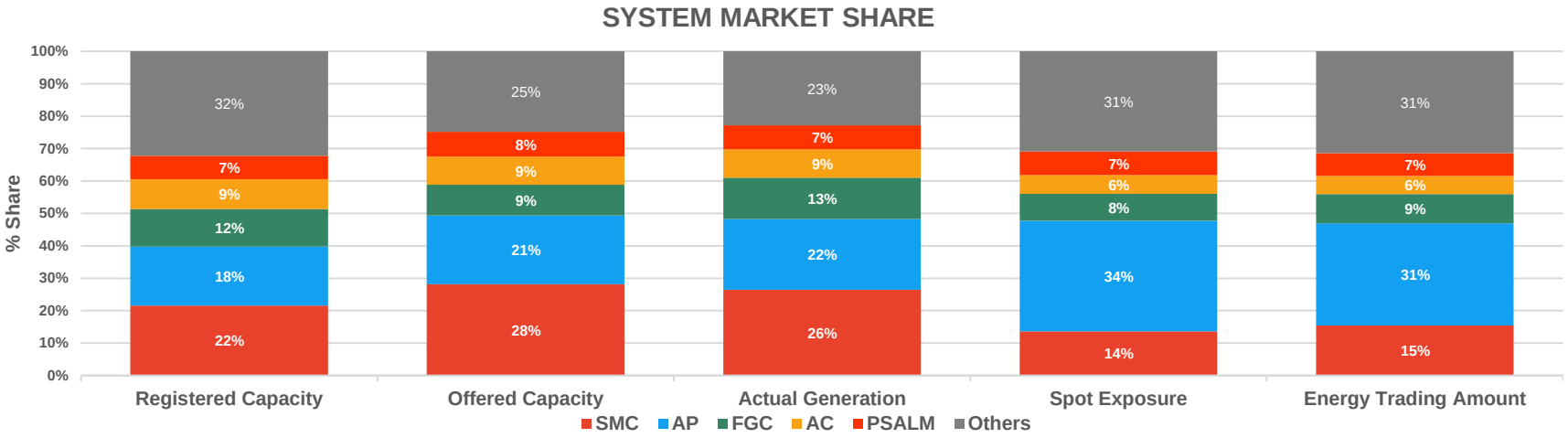
PER CATEGORY



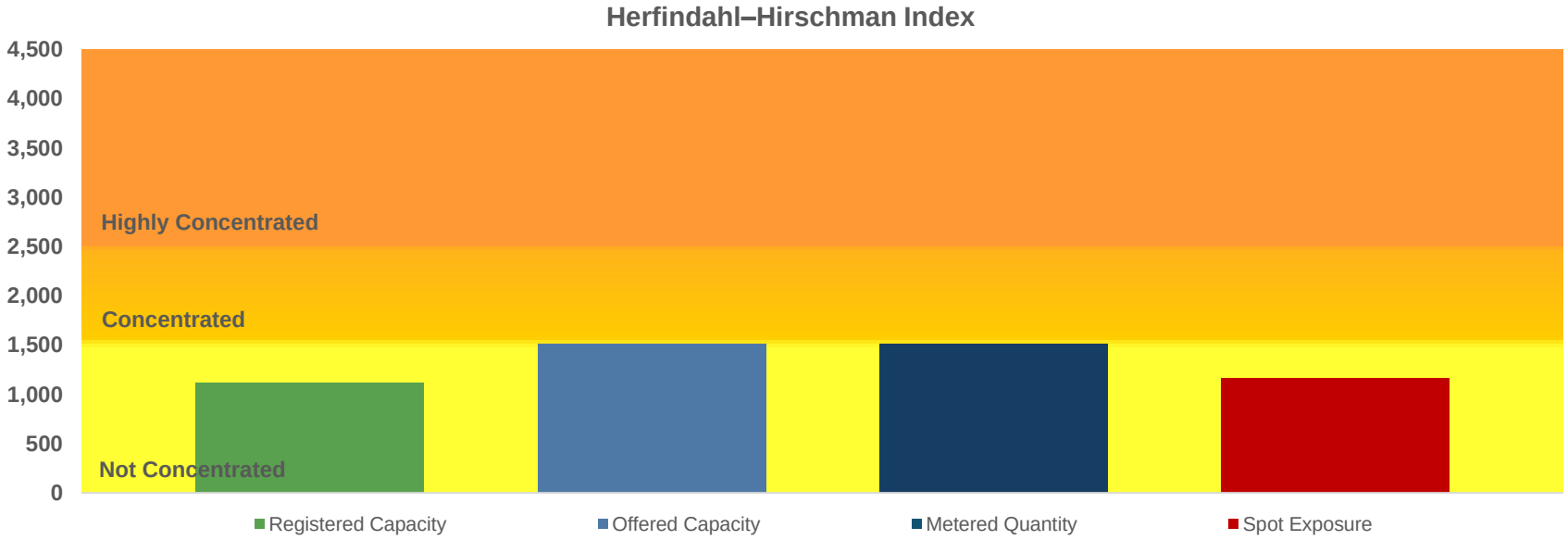
Public

MARKET OUTCOME

STRUCTURAL COMPETITION



For the September 2024 billing period, San Miguel Corporation (SMC) had the highest percentage share in the registered and offered capacity. This resulted in SMC to be the group with highest percentage share in terms of actual generation, suggesting that most of its offered capacity has been dispatched. However, Aboitiz Power (AP) led in terms of spot exposure in the market which suggests that most of SMC's traded energy was tied to bilateral contracts, with only 27% exposed to the spot market of its total metered quantity, resulting in a 14% of the total spot exposure. The graph also illustrates the disparity between the percentage share per ETA and spot market exposure, due to varying resulting market prices.



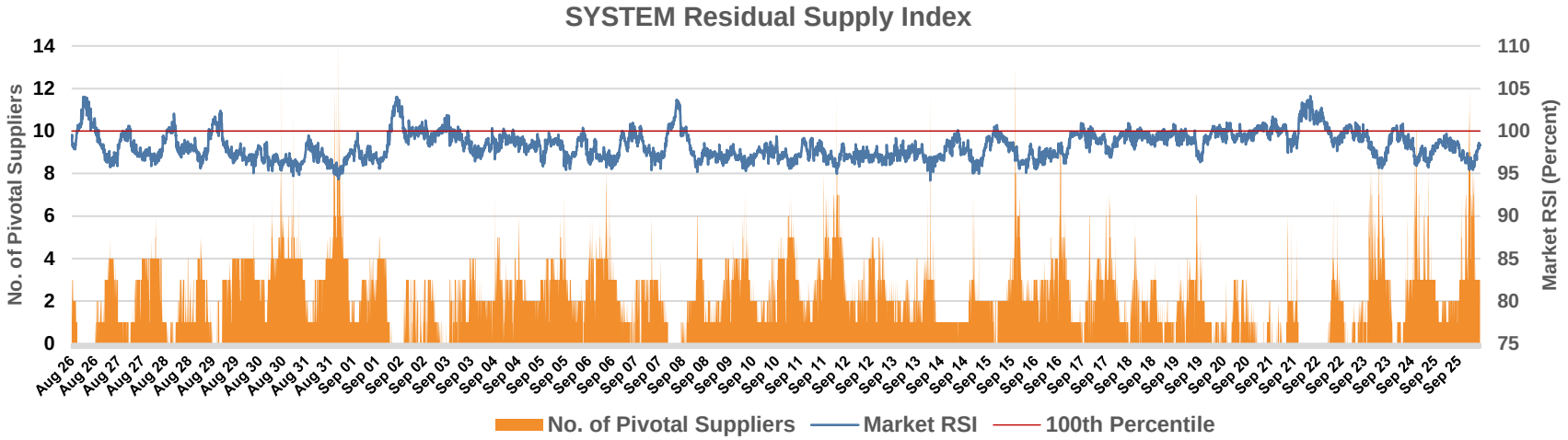
Based on the Herfindahl-Hirschman Index (HHI), the market was not concentrated for all measures used during the September 2024 billing period.

The relatively low HHI values suggest that market power is distributed among multiple participants, rather than being concentrated under the control of a single or handful entities or major groups. This indicates a competitive market environment with minimal risk of monopolistic or oligopolistic influence.

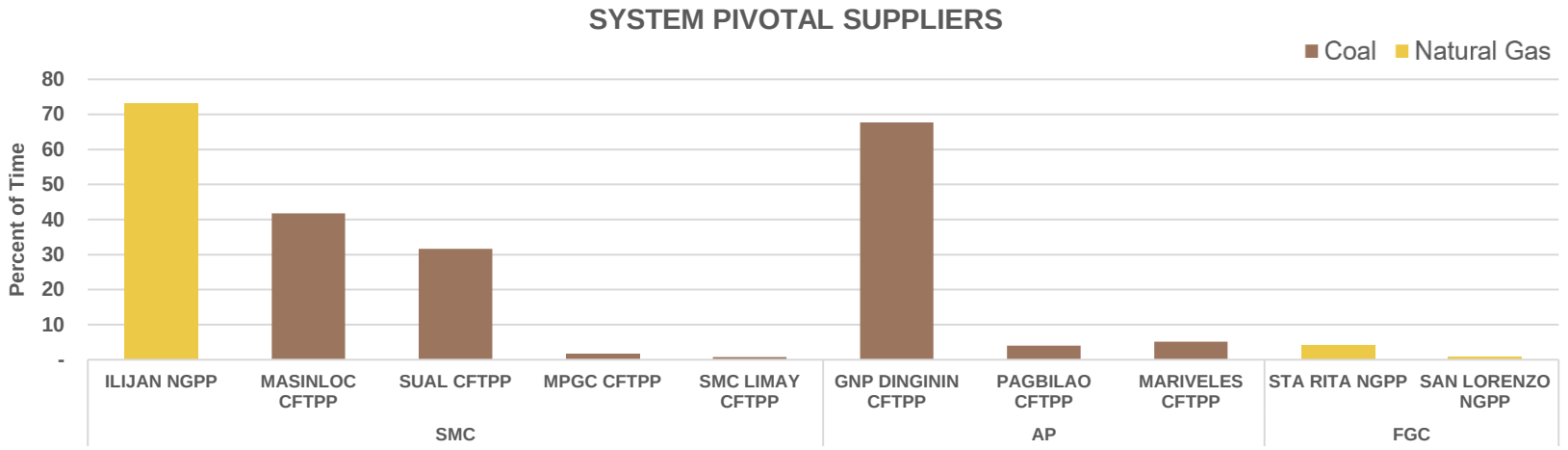
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MARKET OUTCOME

STRUCTURAL COMPETITION



RSIs below 100 indicate a tight supply situation with presence of market power of market participants. For September 2024 billing period, RSIs below 100 was recorded for 87% of time with an average price at PHP 4,271/MWh. Conversely, when RSIs were 100 or above (13% of time), it suggests a more competitive market with ample supply, with average price being significantly lower at PHP 2,088/MWh.



The Ilijan Natural Gas Power Plant (NGPP) was noted to be a pivotal plant for two consecutive months and remained the same for 73.25% of the time over a total of 6,540 trading intervals. A pivotal plant is one whose capacity is required to meet the demand at a specific time, without the contribution of such a supplier, the grid may experience shortages or instability. It is worthy to note that the top pivotal supplier is likewise under the top market participant group which is the SMC.

Meanwhile, GNP Dinginin, which had the largest share of pivotal supply in the previous billing months, remained a significant resource for the September 2024 billing period at 67.71% of the trading intervals. While Dinginin's role as a pivotal plant had declined a little compared to the previous month, its high level of participation remained critical for the grid stability. Similar to Ilijan, GNP Dinginin is under the top market participant group, AP.

The strong presence of both plants as critical suppliers emphasizes their role in preventing shortfalls and maintaining grid reliability, thus showing their influence in the market. Additionally, it is important to highlight that seven out of ten pivotal suppliers were coal-fired power plants, while the three remaining plants were natural gas power plants.

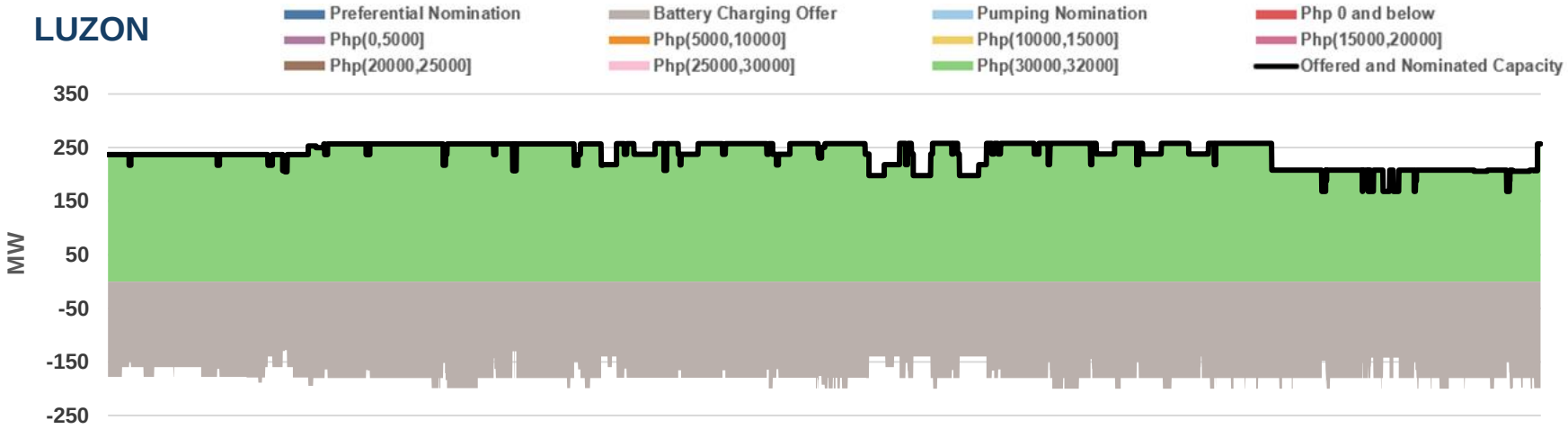
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MARKET OUTCOME

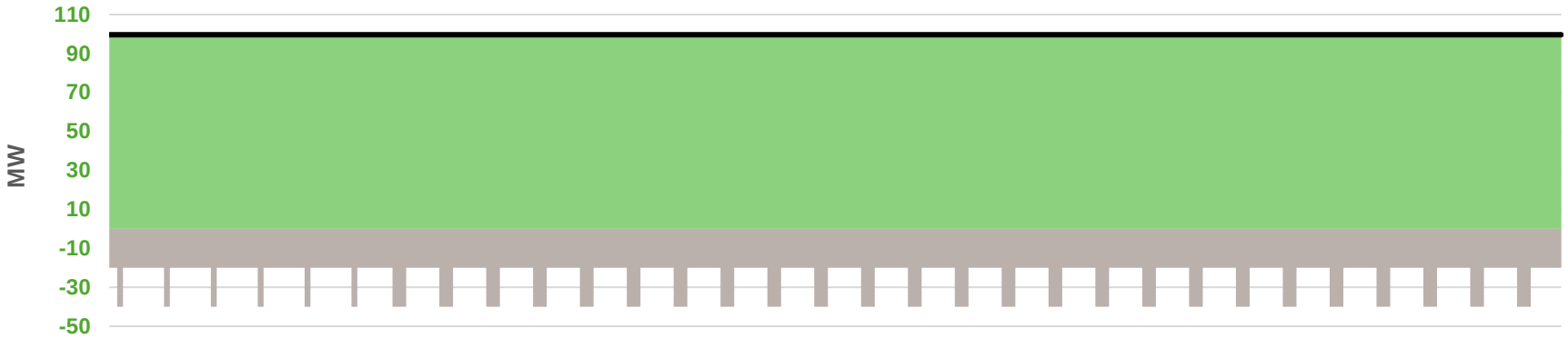
OFFER PATTERN ANALYSIS

BATTERY

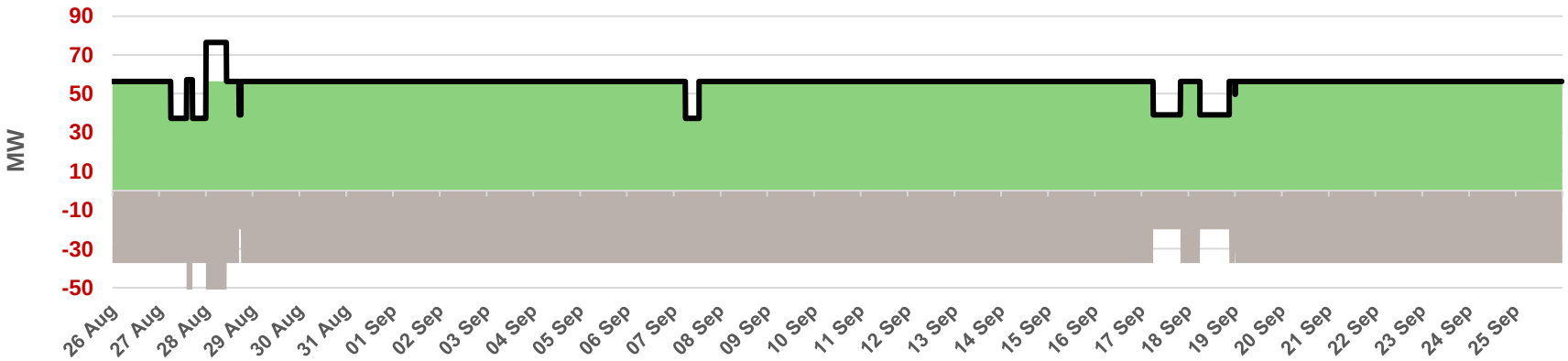
LUZON



VISAYAS



MINDANAO



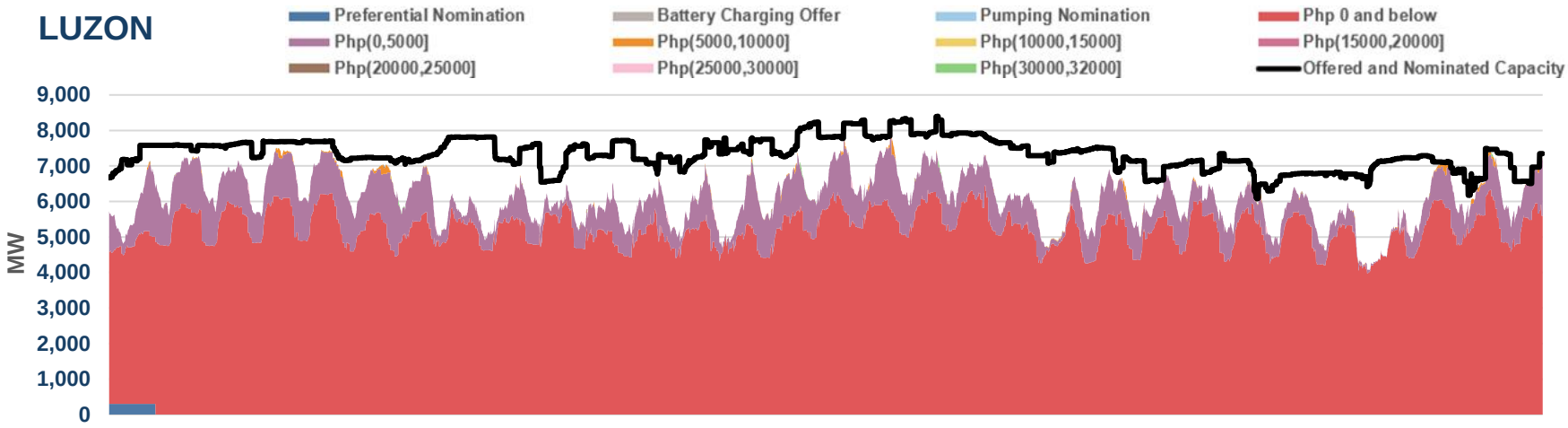
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MARKET OUTCOME

OFFER PATTERN ANALYSIS

COAL

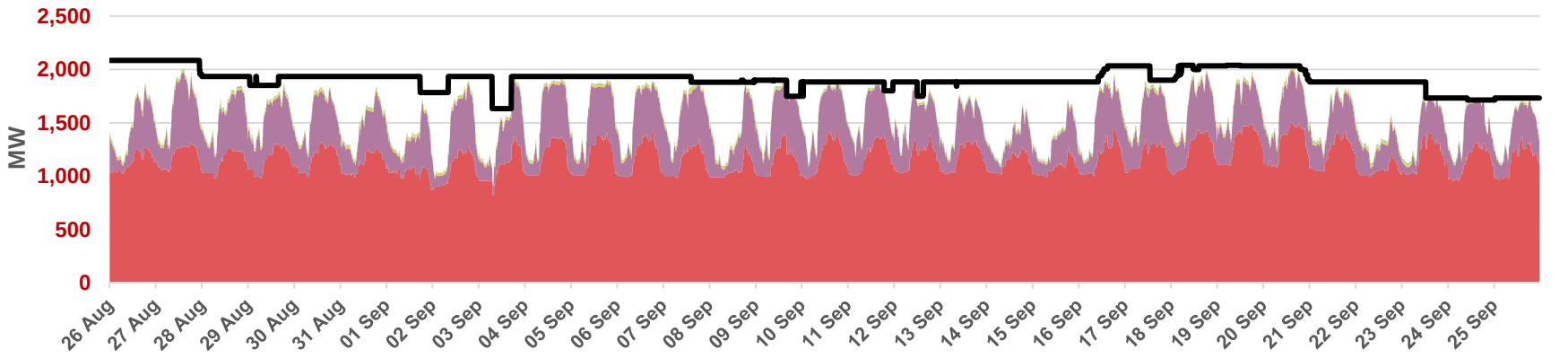
LUZON



VISAYAS



MINDANAO

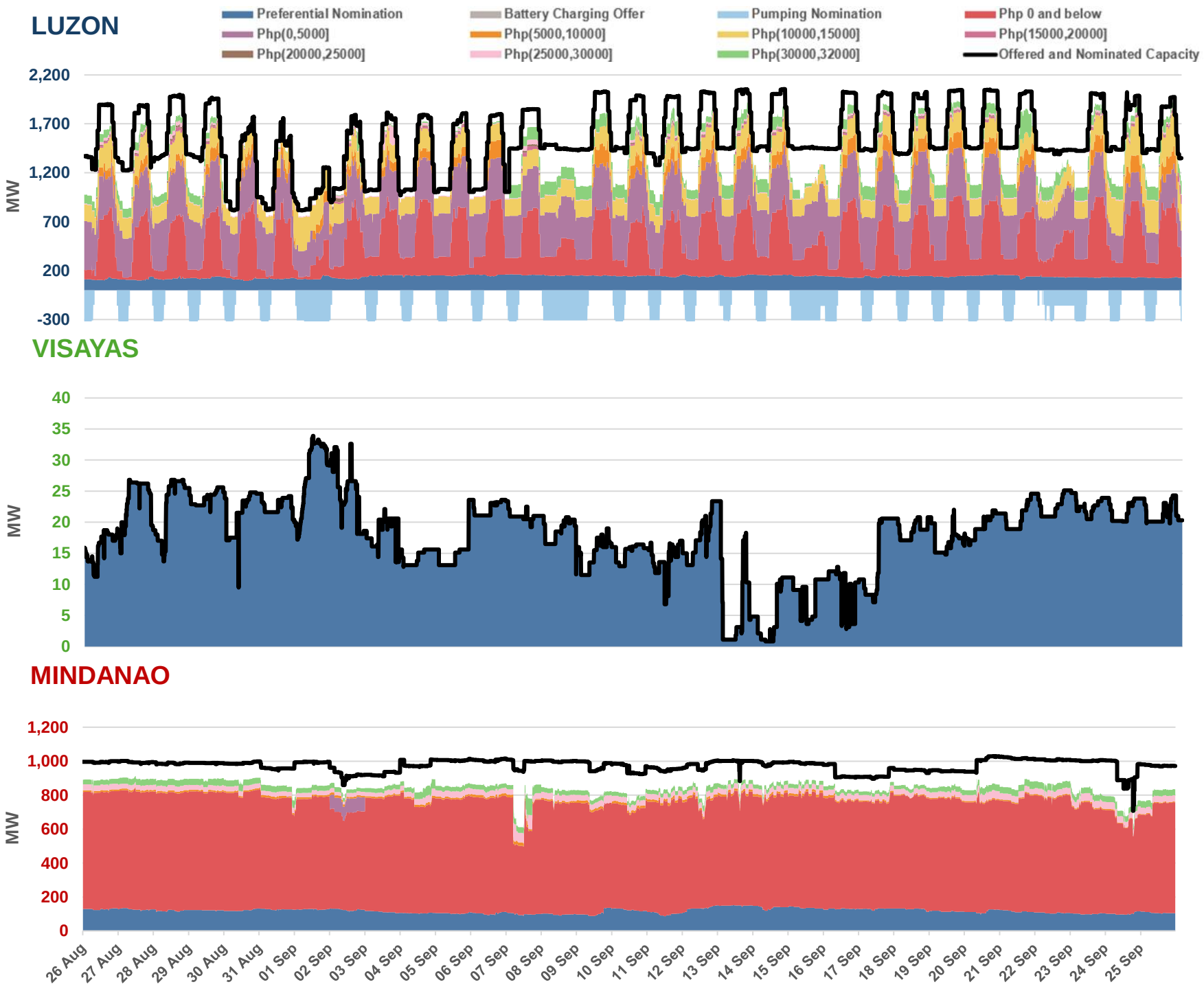


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MARKET OUTCOME

OFFER PATTERN ANALYSIS

HYDRO

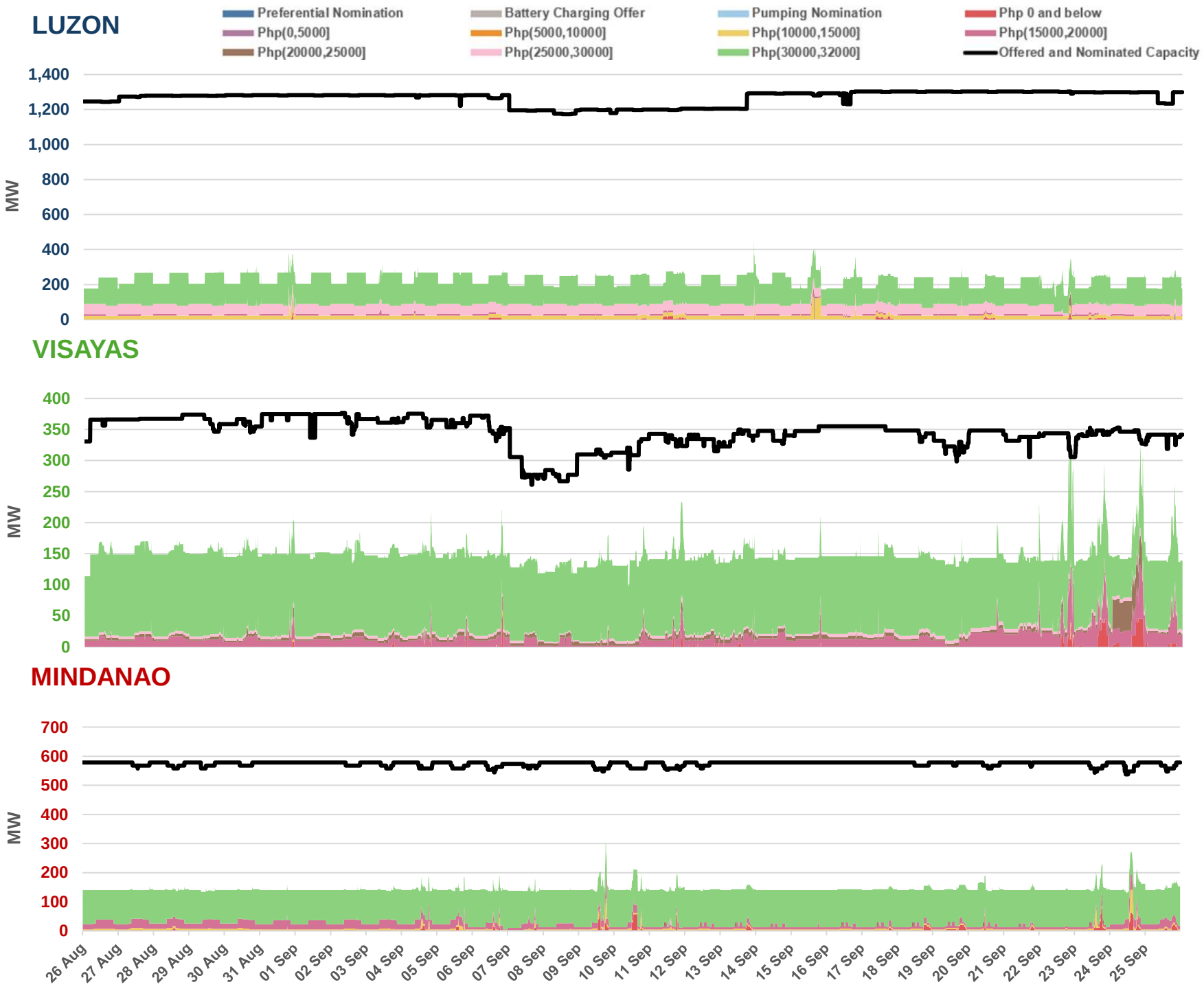


Public

MARKET OUTCOME

OFFER PATTERN ANALYSIS

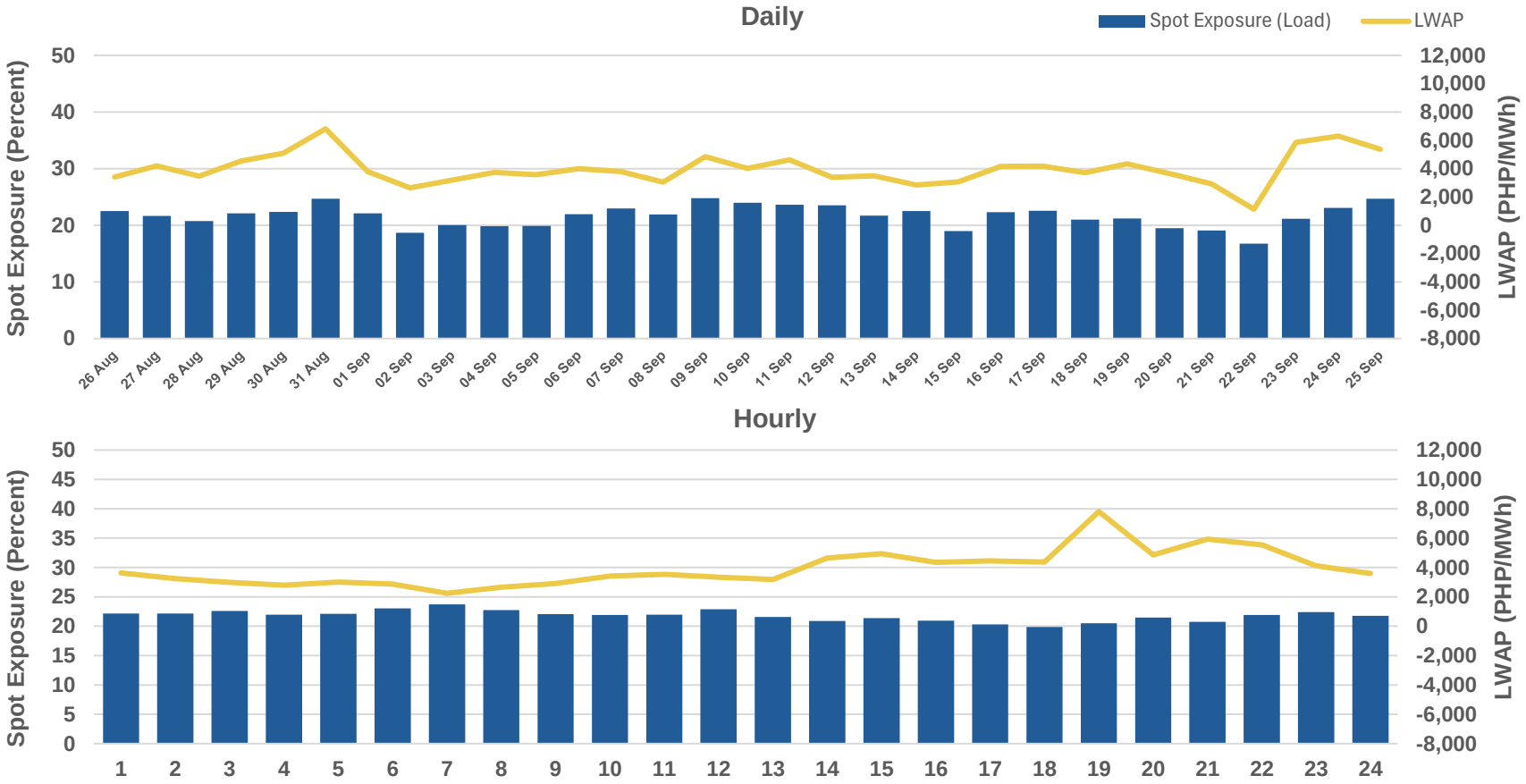
OIL



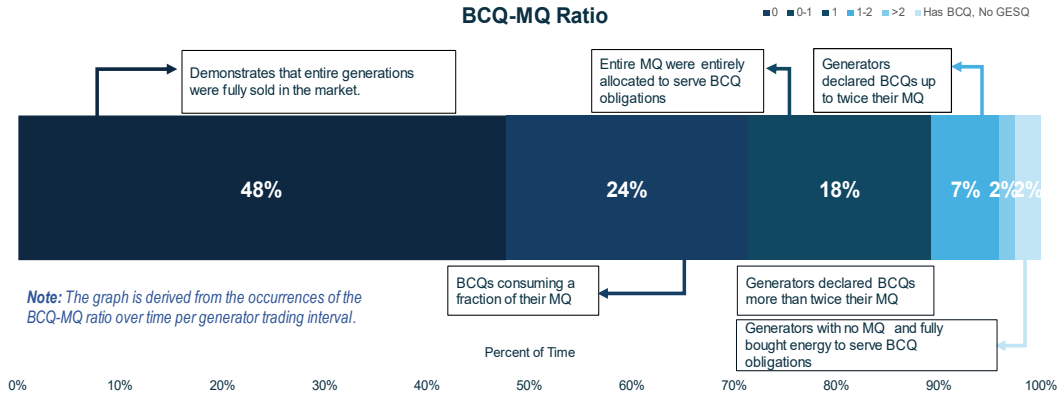
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MARKET OUTCOME

SPOT EXPOSURE



The average spot quantities of load participants for the September 2024 billing period was noted at 21.67%, with an accompanying average price of PHP 4,011/MWh. Notably, the spot exposure exhibited variations based on the type of day, with weekdays recording an average of 21.83% at an average price of PHP4,221/MWh while weekends/holidays registered an average of 21.27% at an average price of PHP 3,464/MWh.

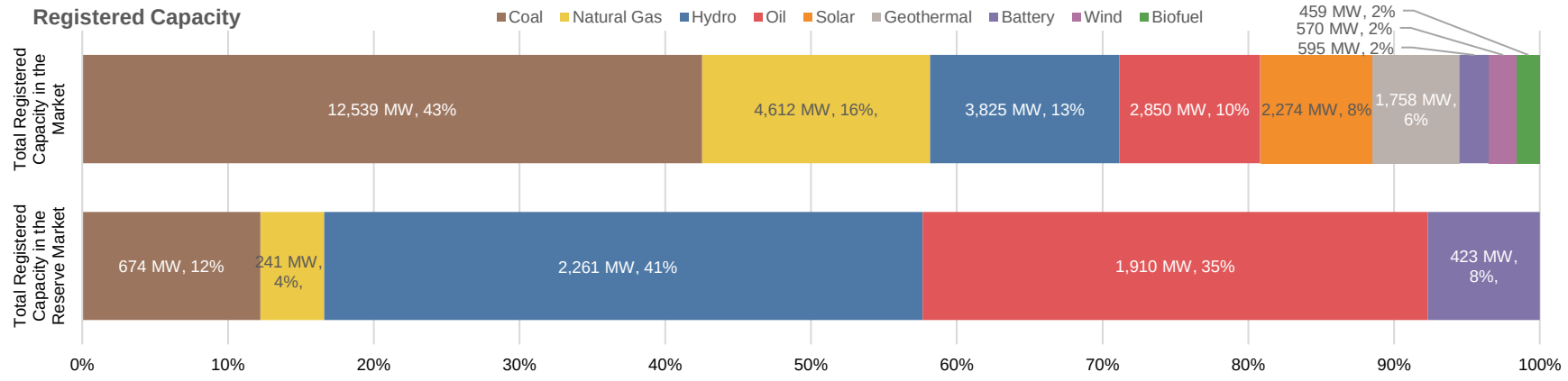


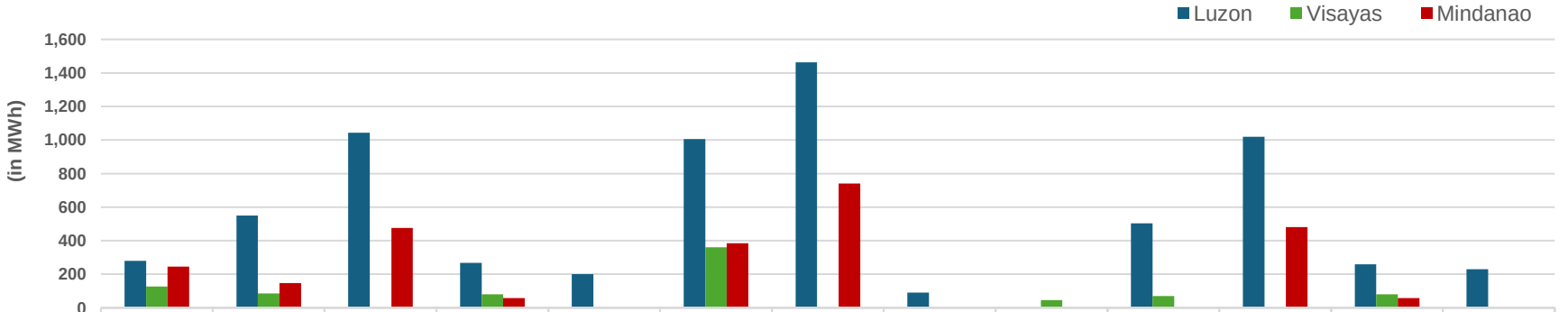
For the September 2024 billing period, majority of the metered quantities were covered by the BCQ declarations in the market.

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MARKET OUTCOME

RESERVE MARKET





	Contingency					Dispatchable			Regulating Up/Down				
	Coal	Oil	Hydro	Battery	Natural Gas	Oil	Hydro	Natural Gas	Coal	Oil	Hydro	Battery	Natural Gas
Luzon	280	550	1043	268.4	200	1005	1463	91	0	504	1019	259	230
Visayas	127.5	85.5	0	79.5	0	360.5	0	0	46	70	0	80	0
Mindanao	246	148	475.8	58.3	0	384	741.5	0	0	0	481.5	58.3	0

Particulars	Min		Max		Ave
	(in PHP/MW)	Date and time Interval	(in PHP/MW)	Date and time Interval	(in PHP/MW)
Regulating Up					
Luzon	0.00	08/26/2024 10:05	227,910.93	09/13/2024 21:30	4,540.65
Visayas	0.00	09/02/2024 14:05	416,961.70	09/22/2024 19:15	27,975.33
Mindanao	0.00	08/26/2024 0:05	28,673.75	09/18/2024 13:25	1,902.20
Regulating Down					
Luzon	0.00	08/26/2024 7:45	171,439.76	08/26/2024 0:45	3,101.78
Visayas	0.00	09/02/2024 14:05	65,018.20	09/22/2024 11:30	47,359.23
Mindanao	0.00	08/26/2024 0:05	34,511.65	09/24/2024 10:35	1,284.91
Contigency					
Luzon	870.00	09/15/2024 7:05	185,048.93	09/13/2024 21:30	3,278.93
Visayas	0.00	09/22/2024 18:50	197,042.34	09/22/2024 18:55	7,216.28
Mindanao	1.00	08/28/2024 22:55	25,000.00	09/23/2024 13:50	1,649.64
Dispatchable					
Luzon	100.01	08/26/2024 9:40	93,004.67	09/22/2024 20:15	2,378.25
Visayas	0.00	09/22/2024 20:10	99,842.81	09/22/2024 18:20	6,495.11
Mindanao	0.00	08/26/2024 0:05	10,000.00	09/10/2024 18:10	135.48

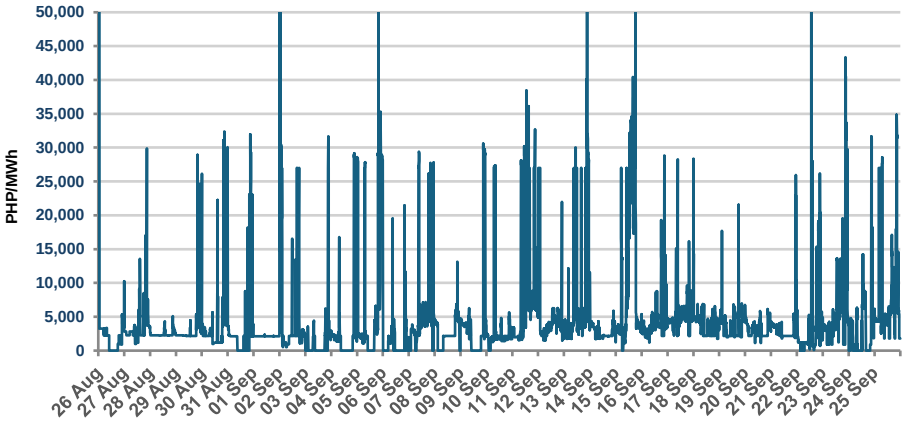
Of the total registered capacity of 29,431.8 MW, approximately 19% (5,507 MW) is allocated to the both wholesale electricity market and for the reserve market. This capacity is primarily sourced from coal, natural gas, hydro, oil, and battery power plants, due to specific reserve market requirements.

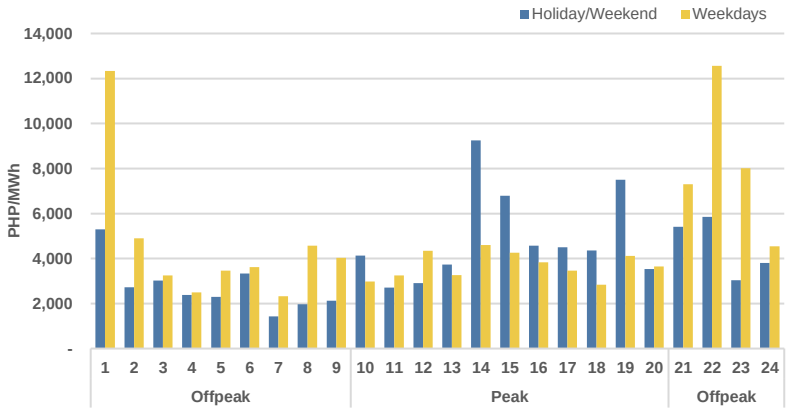
Public

MARKET OUTCOME
RESERVE MARKET

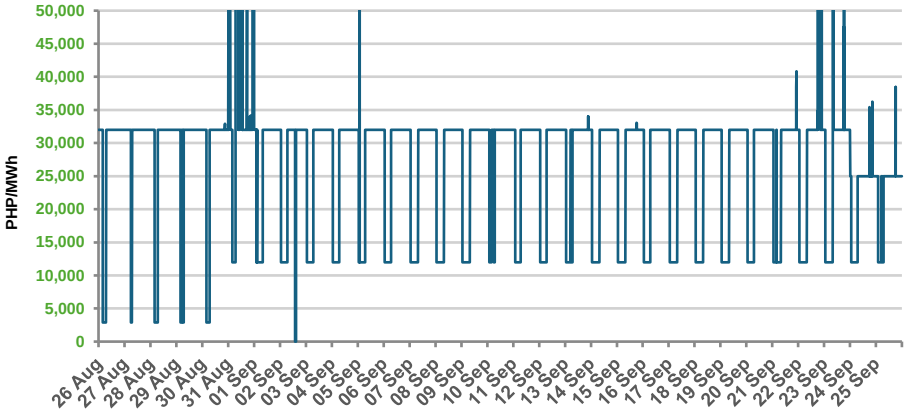
REGULATING UP

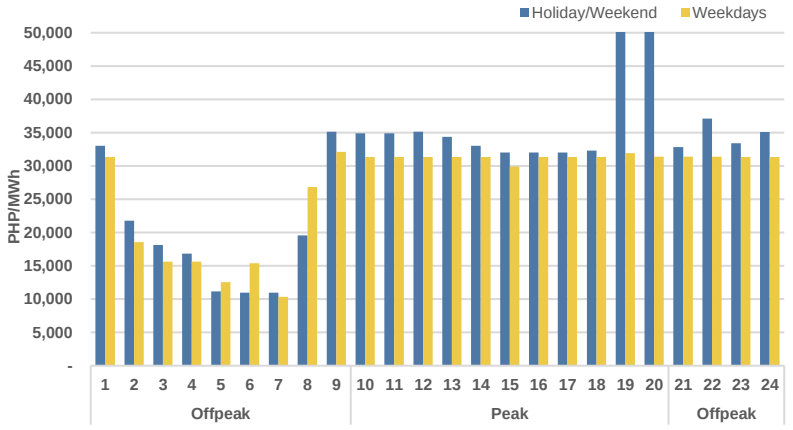
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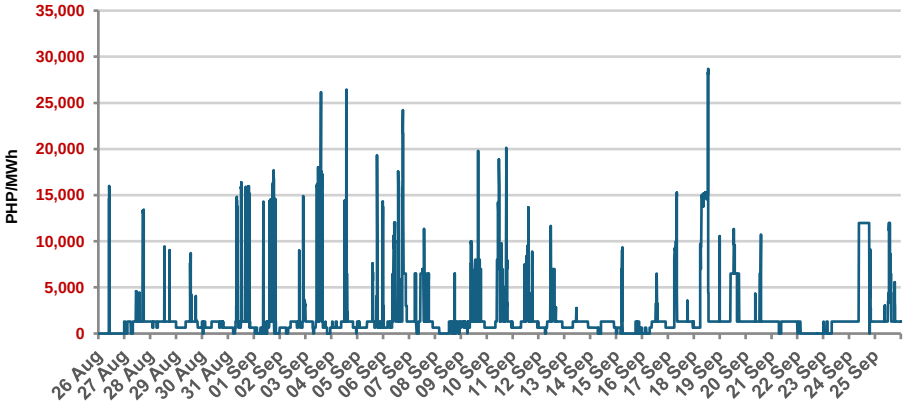


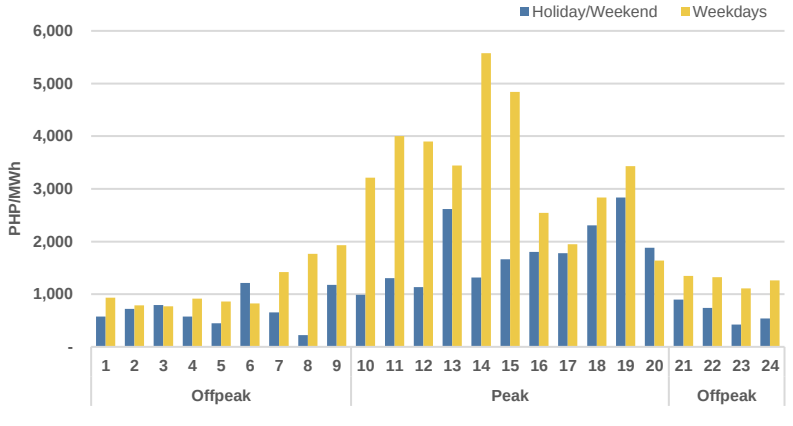
VISAYAS





MINDANAO





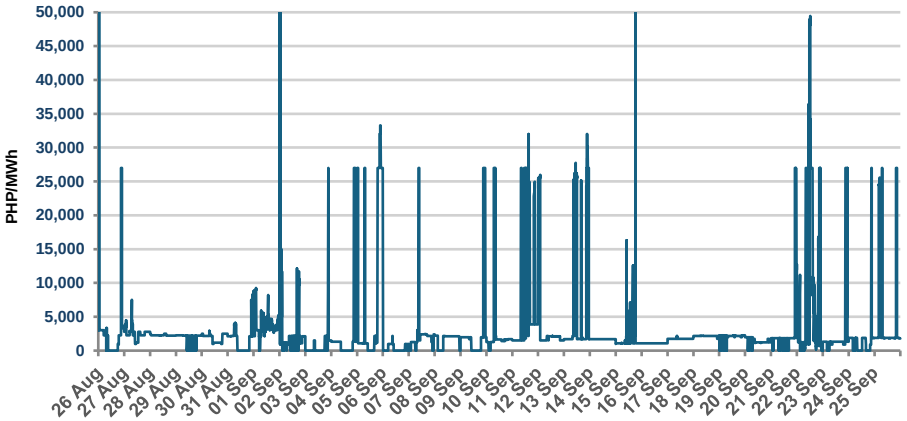
Per ERC NOR - Case No. 2023-002 RC - PDM Section 2.2.1.4 (C) "When the resulting reserve price exceeds the reserve offer cap, then the final reserve price shall be capped at thet reserver offer cap"

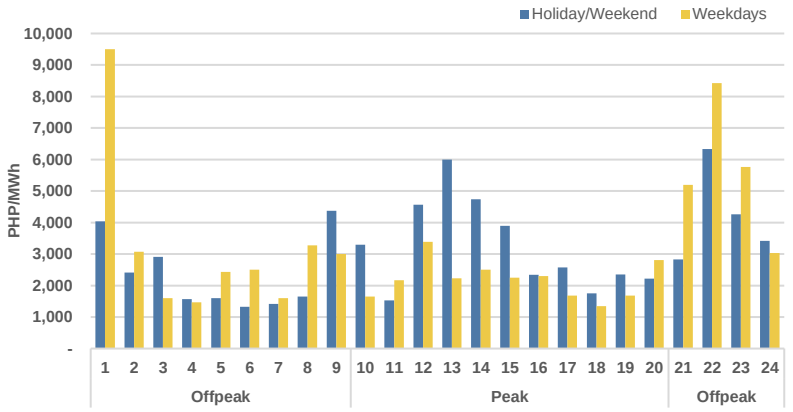
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MARKET OUTCOME
RESERVE MARKET

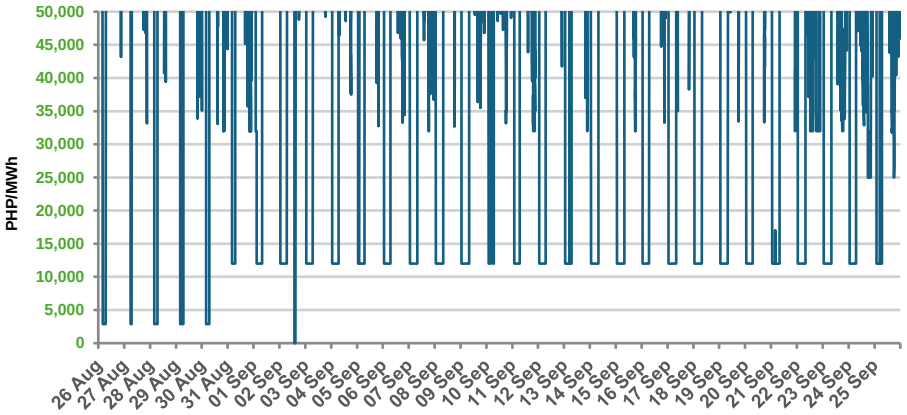
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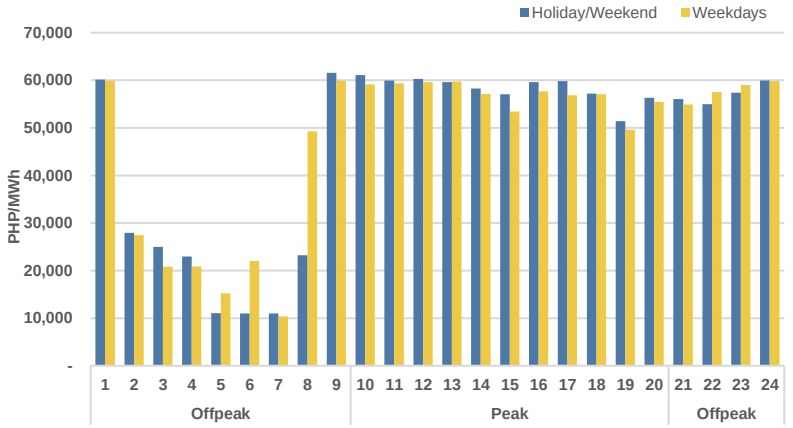
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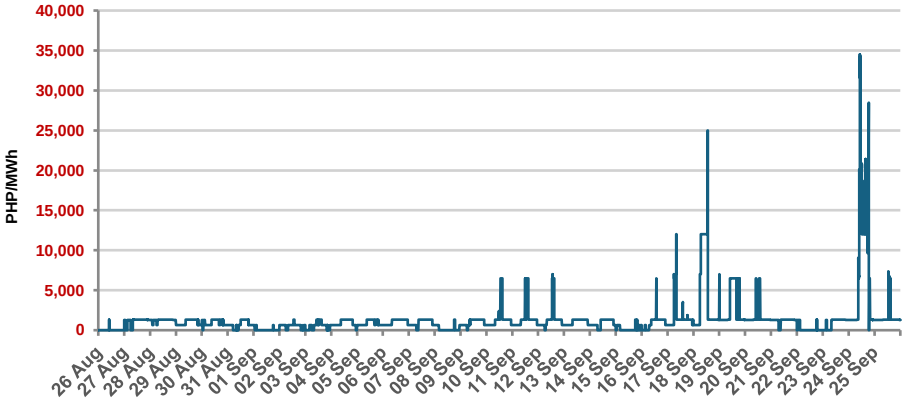


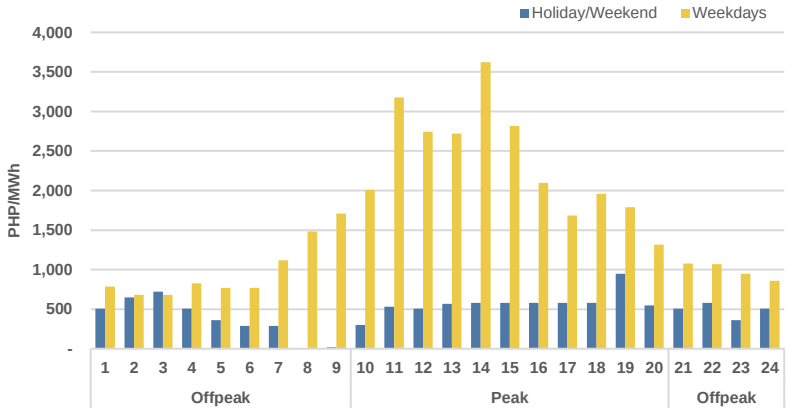
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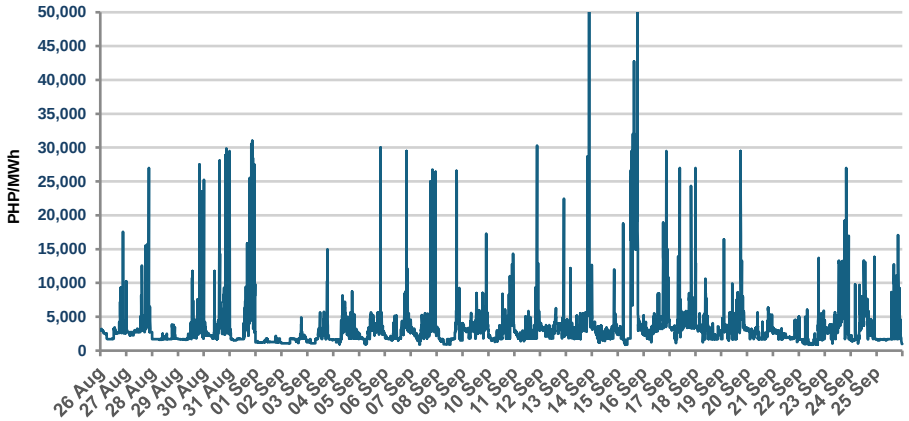
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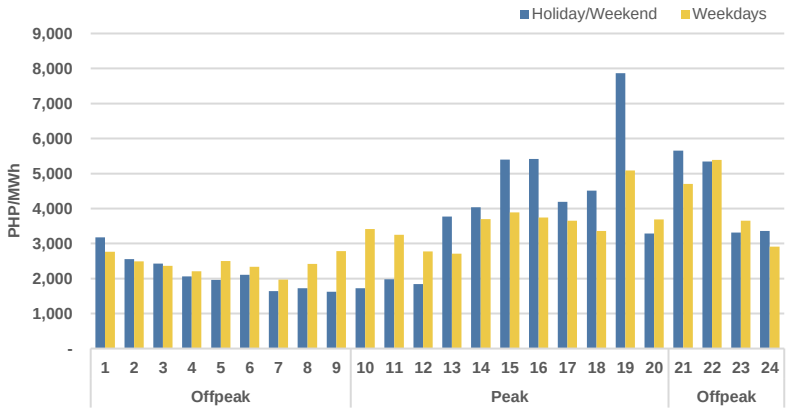
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MARKET OUTCOME
RESERVE MARKET

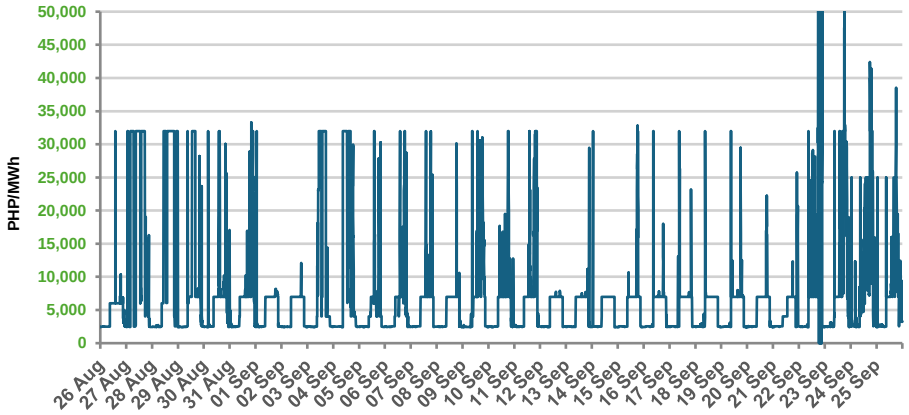
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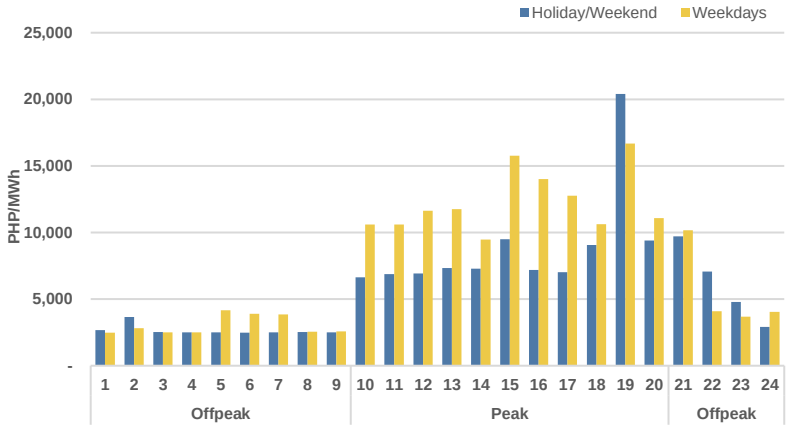
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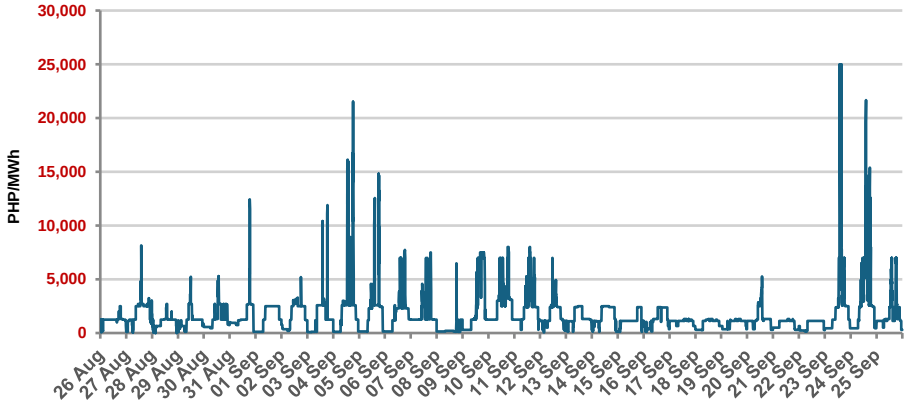


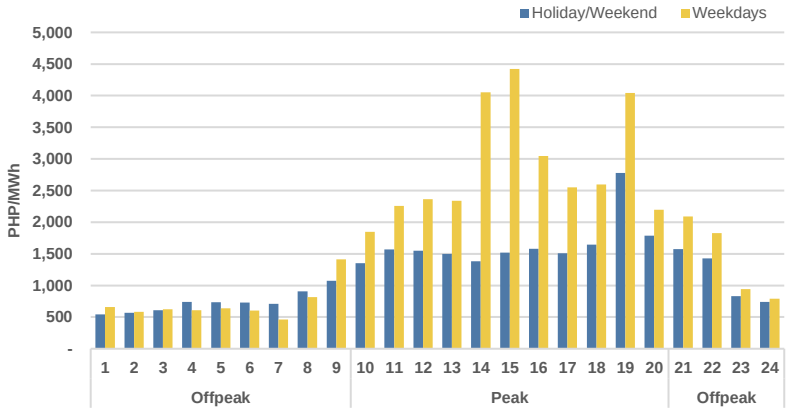
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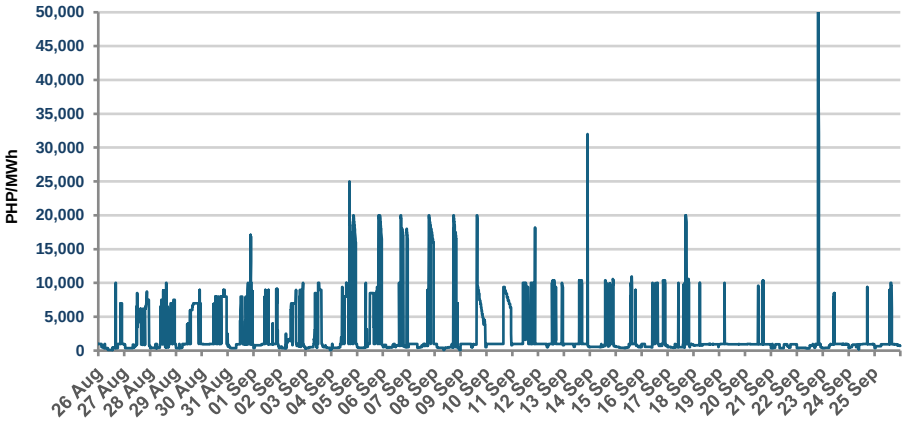
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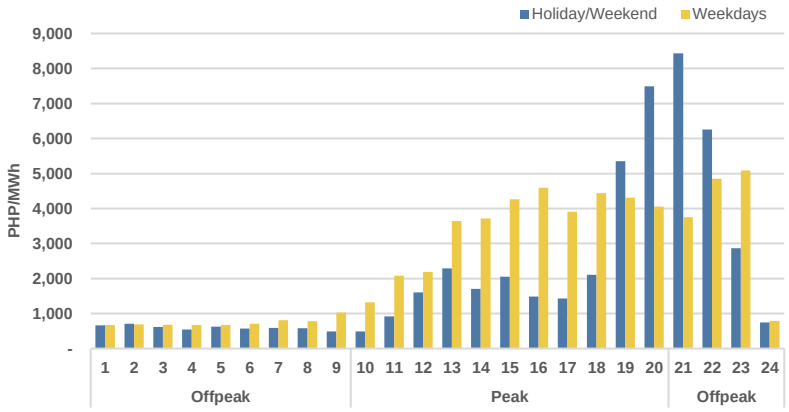
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MARKET OUTCOME
RESERVE MARKET

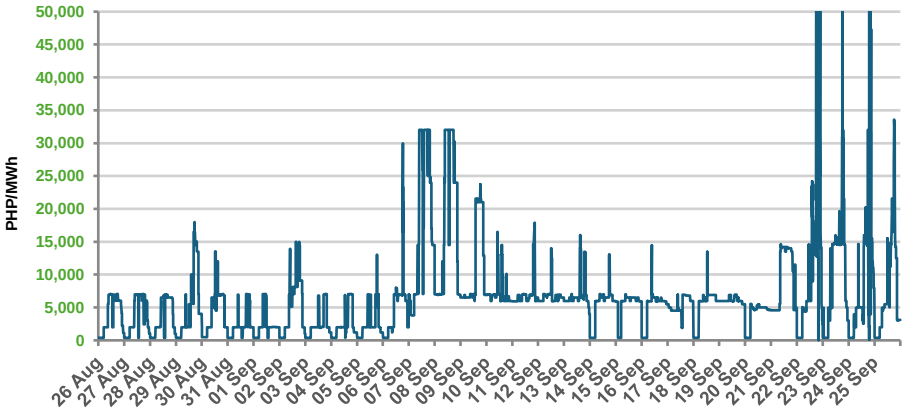
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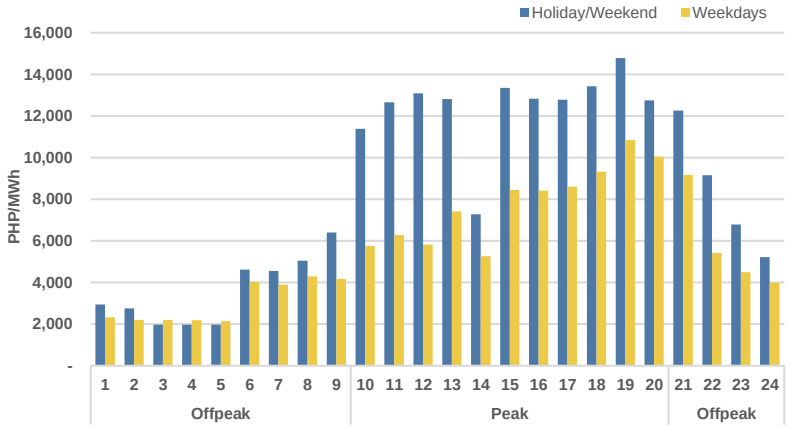
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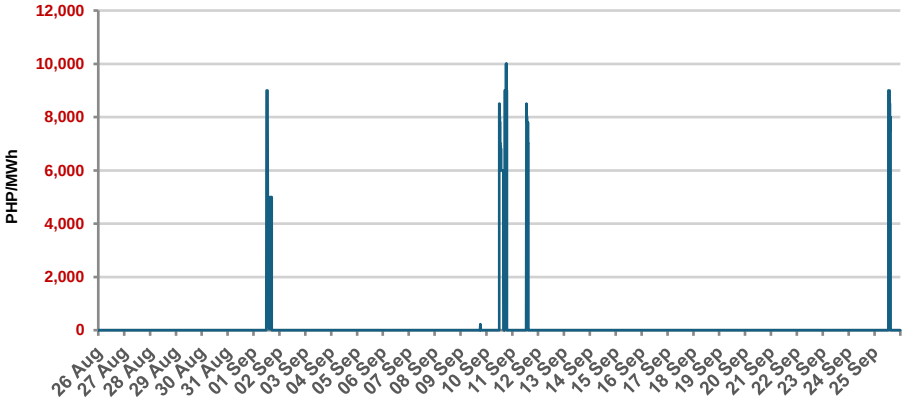


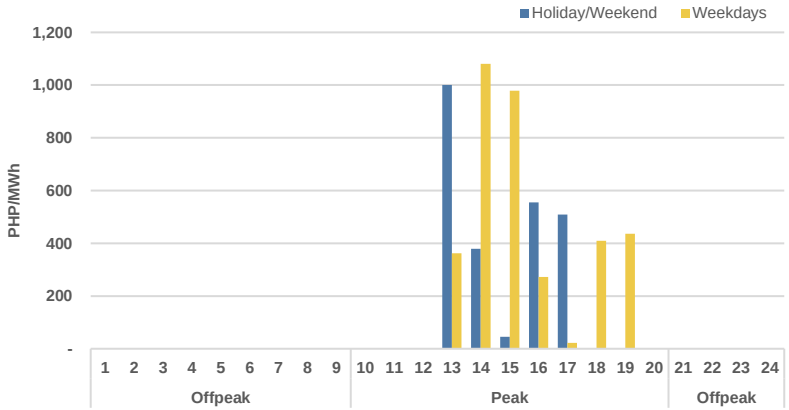
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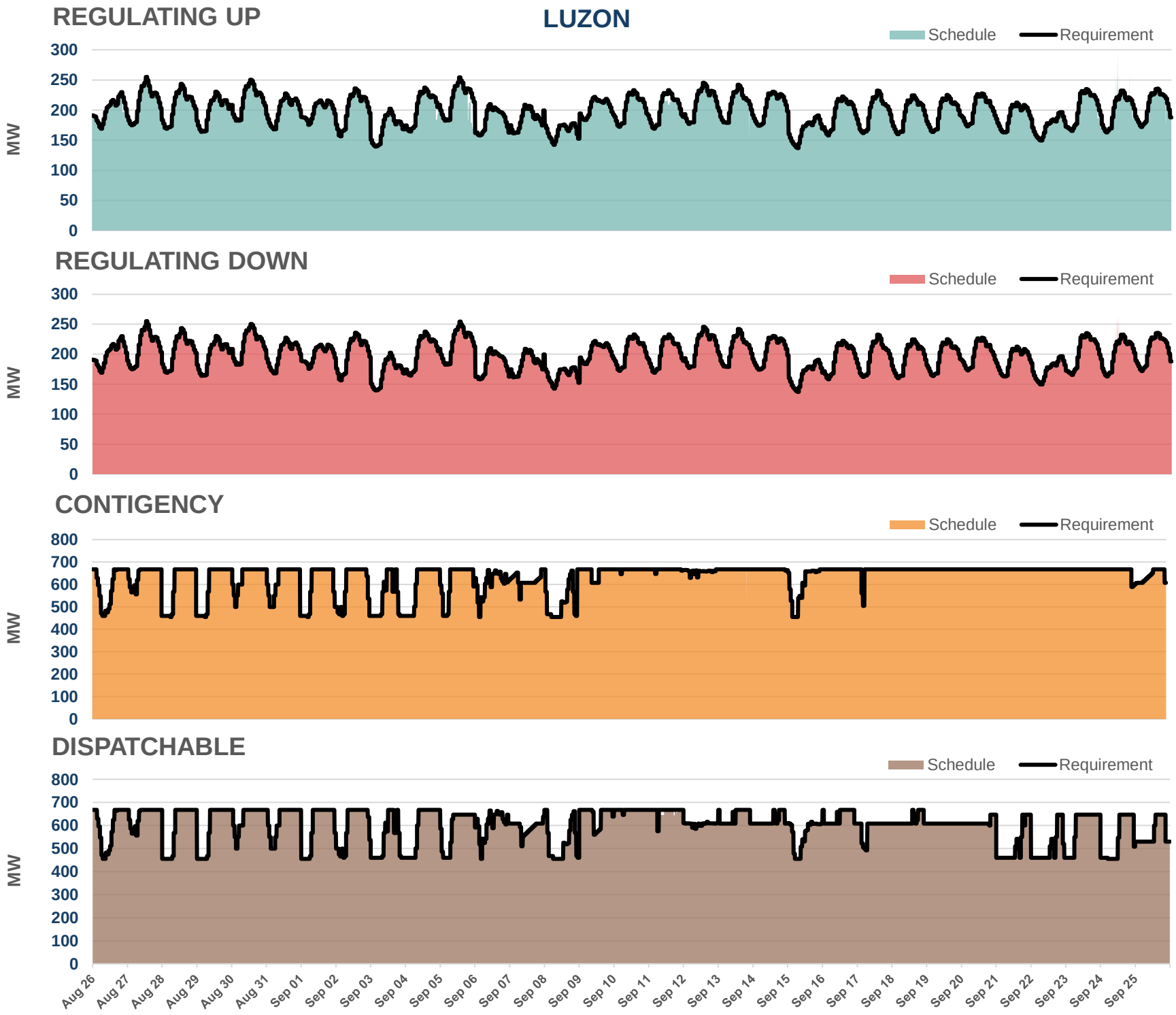


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Public

MARKET OUTCOME

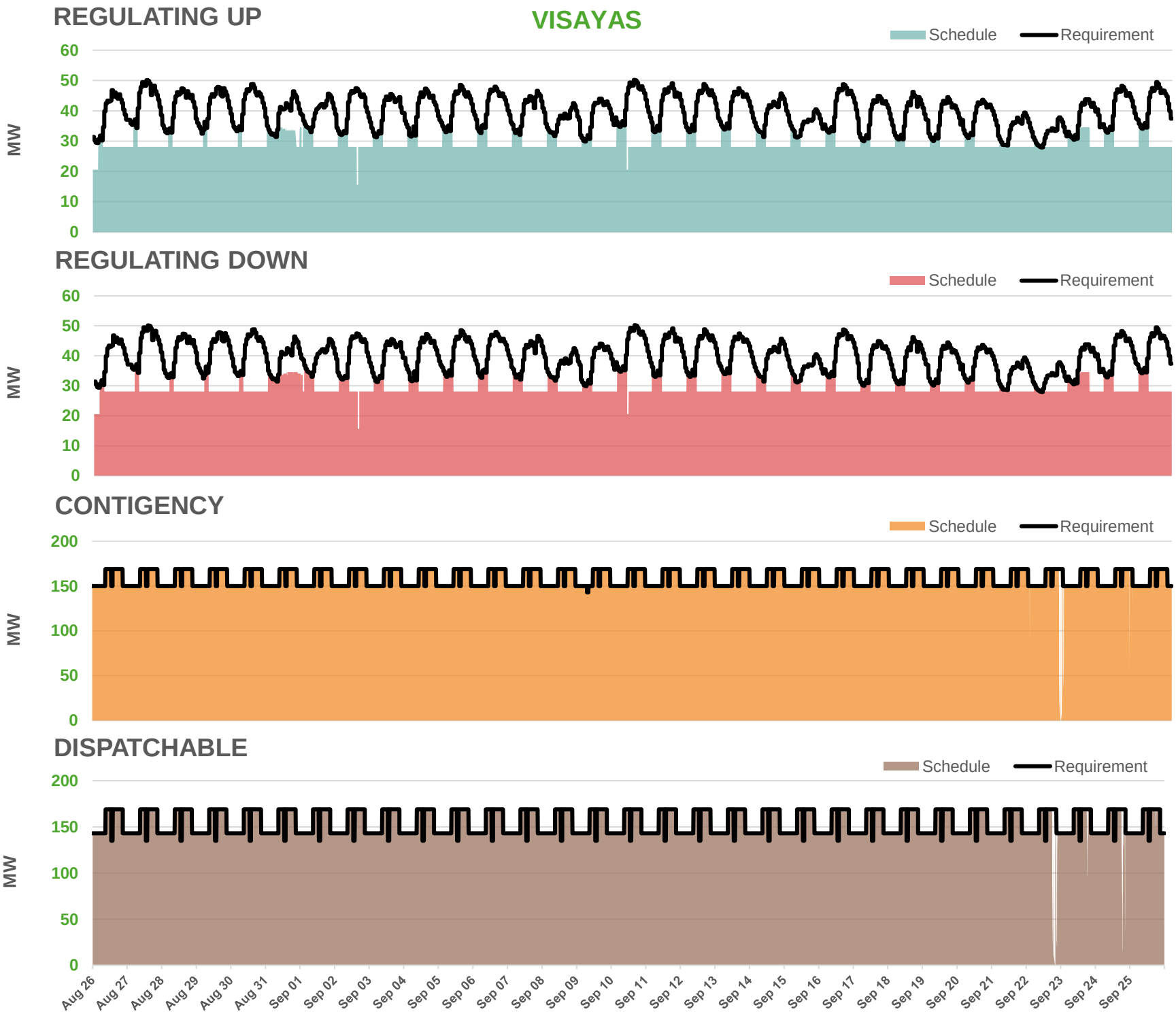
RESERVE MARKET



Public

MARKET OUTCOME

RESERVE MARKET

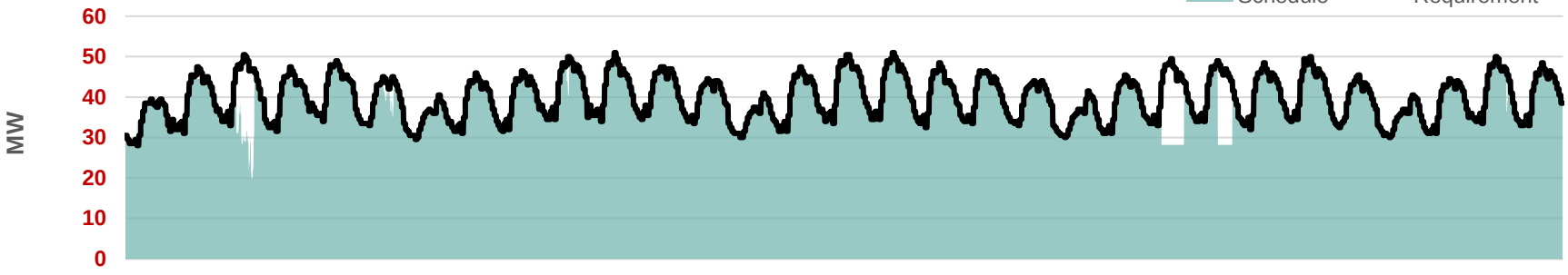


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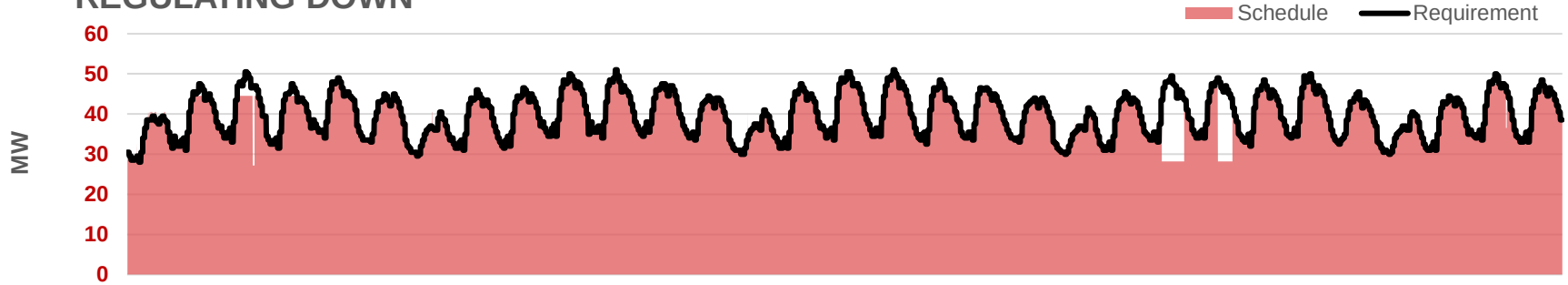
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RESERVE MARKET

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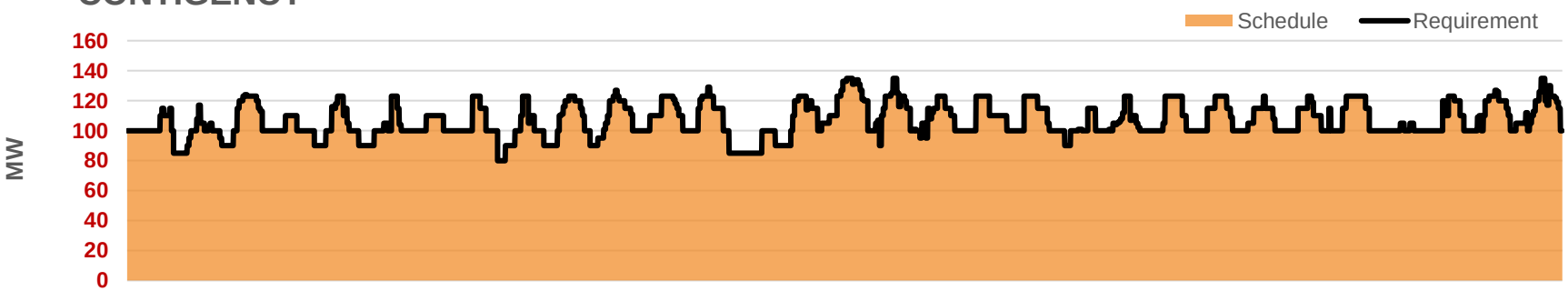
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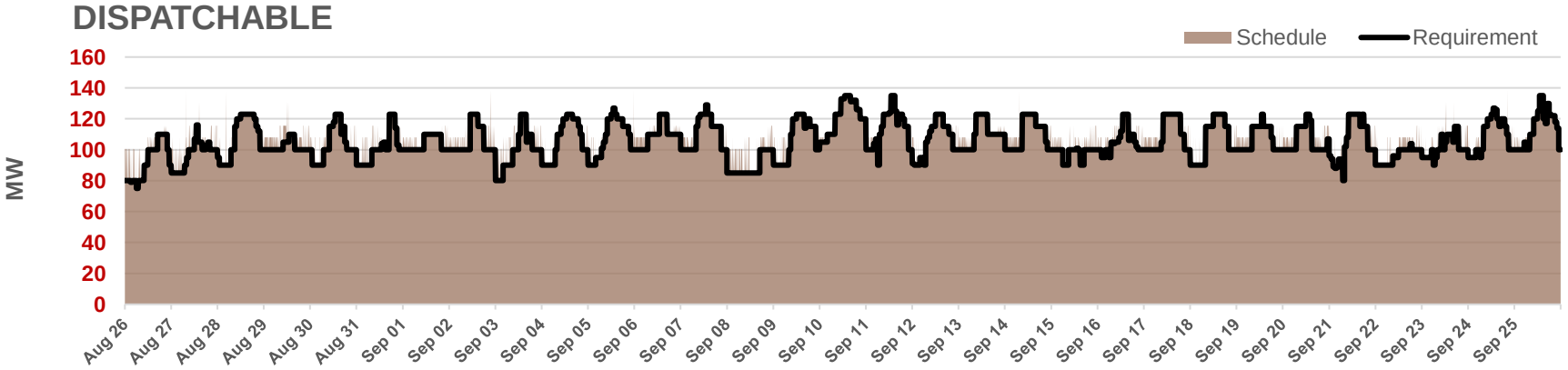
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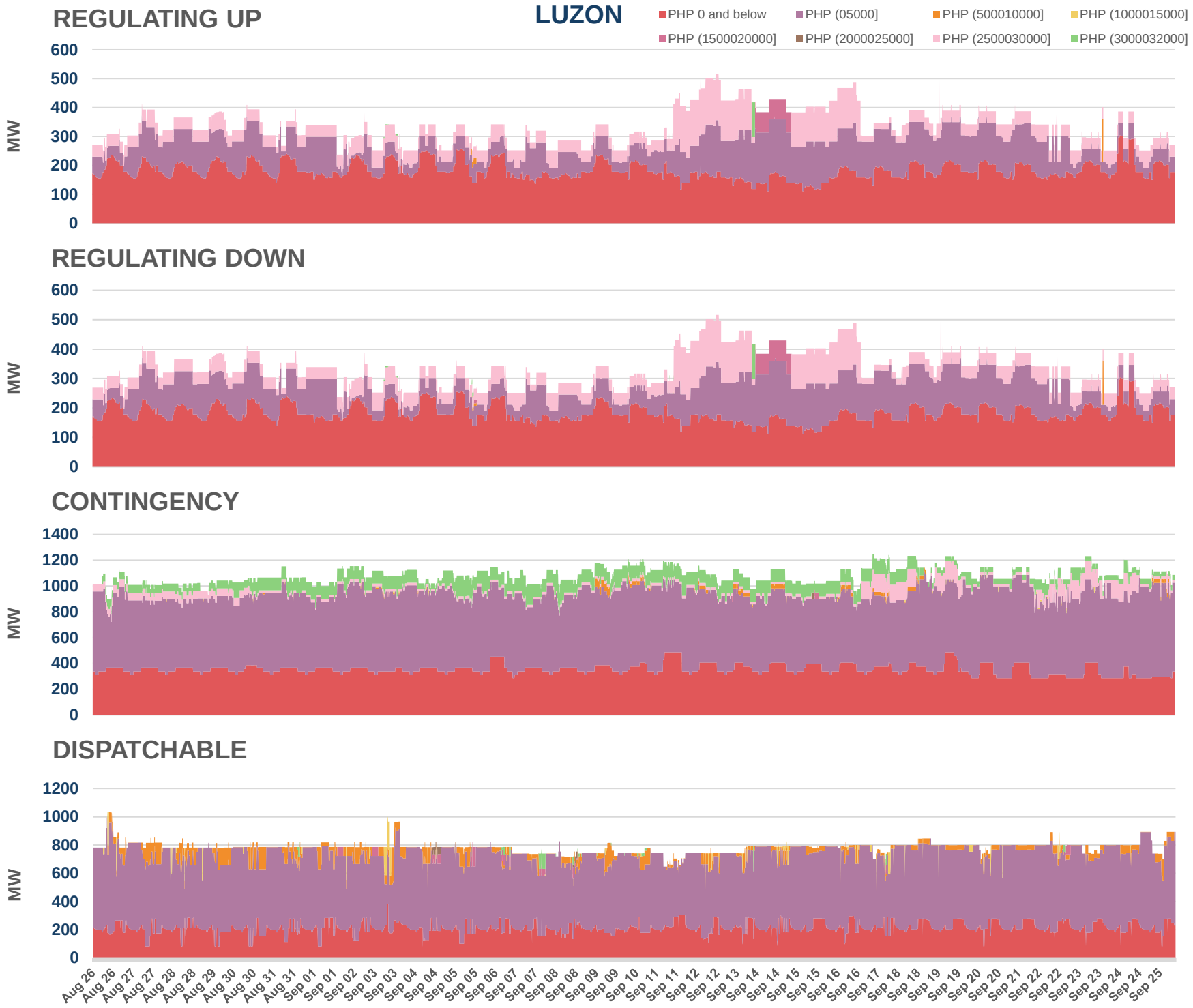
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Public

MARKET OUTCOME

RESERVE MARKET

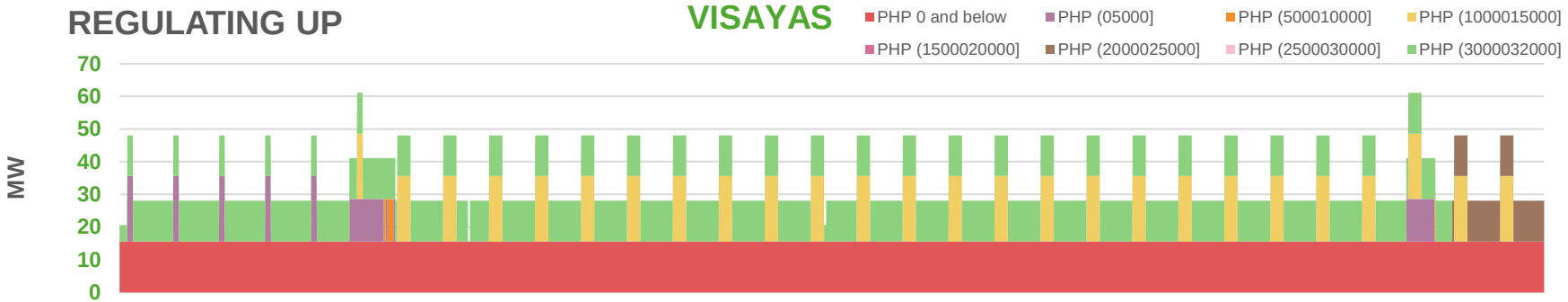


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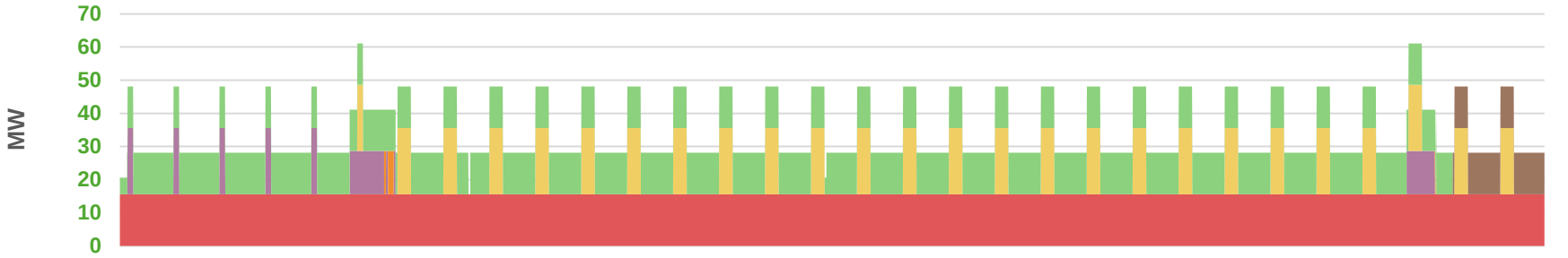
MARKET OUTCOME

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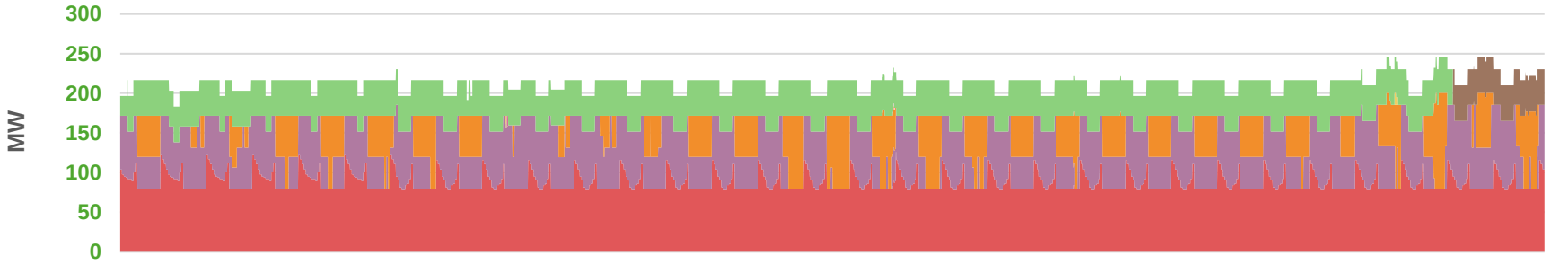
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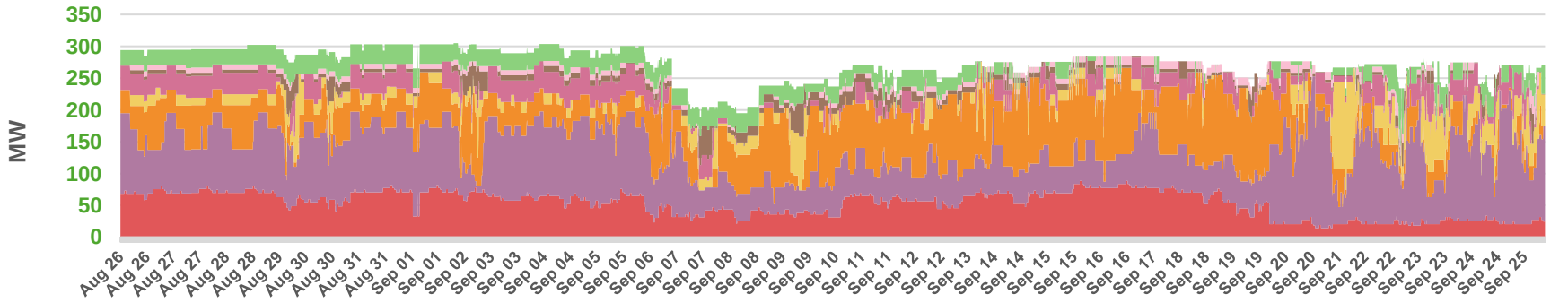
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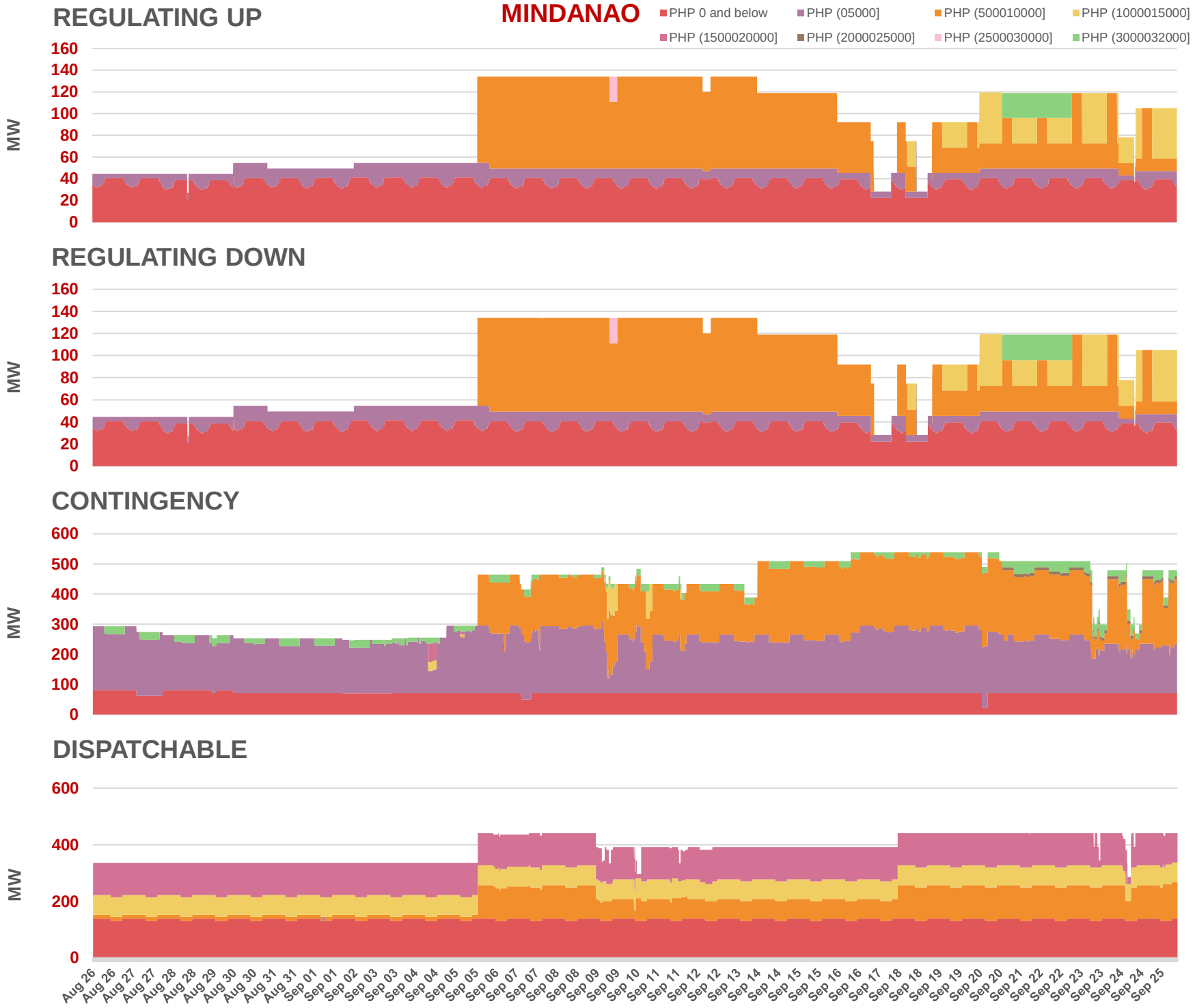
DISPATCHABLE



Public

MARKET OUTCOME

RESERVE MARKET



MARKET OUTCOME ANNEX

Outage Summary

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Luzon							
BAT	ALAMINOS BESS1	20	02/18/2024 9:30	08/30/2024 17:05	194	Forced Outage	Unit problem on investigation.
BAT	CONCEPCION BES	50	09/20/2024 4:01			Maintenance Outage	Annual PMS of switchyard and BESS
BIOF	IPOWER	10.8	09/07/2024 0:01	09/20/2024 8:00	13	Maintenance Outage	Maintenance Outage
BIOF	IBEC	18	09/08/2024 0:04	09/22/2024 23:59	14	Maintenance Outage	Maintenance Outage until September 22 2024.
BIOF	GIFTC2	6	09/09/2024 0:05	09/10/2024 23:56	1	Planned Outage	Planned Outage.
BIOF	VSGRIP	5.4	09/19/2024 11:31	09/20/2024 18:01	1	Forced Outage	Emergency shutdown due to trouble on travelling rate
BIOF	BT2020COGEN	13	09/19/2024 14:00	09/24/2024 6:01	5	Forced Outage	Suspected boiler tube leak
BIOF	IBEC	18	09/23/2024 0:00	09/26/2024 0:00	3	Forced Outage	Extended Maintenance Outage(Non-GOMP).
BIOF	GIFTC2	6	09/24/2024 0:02			Maintenance Outage	Maintenance shutdown.
COAL	PETRON 3	35	01/20/2024 17:26			Forced Outage	High furnace pressure and main steam piping rupture.
COAL	PBL1	382	07/01/2024 0:49	09/07/2024 5:58	68	Planned Outage	Planned outage July 1 - September 10 2024
COAL	SLPGC 1	150	07/27/2024 23:57	09/05/2024 23:59	40	Planned Outage	Planned Outage July 28 - September 05 2024
COAL	SLTEC 1	122	07/28/2024 0:02	09/01/2024 5:00	35	Planned Outage	Planned Outage July 28 - September 11 2024
COAL	SCPC	150	08/17/2024 6:01	09/03/2024 22:48	17	Planned Outage	Planned Outage.until September 7 2024.
COAL	SLTEC 2	124	08/23/2024 0:06	08/28/2024 10:00	5	Maintenance Outage	Emergency shutdown due to facilitate correction of SF6 gas repair purification at GIS common bus.
COAL	MPGC 4	150	08/27/2024 22:37	09/14/2024 3:20	18	Forced Outage	Tripped due to Boiler Feed Pump trouble. On Commssioning Test
COAL	QPPL	460	08/31/2024 0:00	09/02/2024 2:00	2	Maintenance Outage	Maintenance Outage until Sepember 1 2024.
COAL	SLPGC 1	150	09/06/2024 0:00	09/10/2024 18:08	4	Forced Outage	Extended Outage until September 12 2024.
COAL	PBL1	382	09/07/2024 22:59	09/08/2024 0:08	1	Planned Outage	Planned Outage until September 10 2024.
COAL	PBL1	382	09/08/2024 22:07	09/09/2024 17:04	1	Forced Outage	Emergency shutdown due to primary superheat drain line leak
COAL	PBL3	420	09/13/2024 0:51	09/16/2024 19:52	3	Maintenance Outage	Maintenance Outage
COAL	SCPC 3	150	09/14/2024 4:06			Planned Outage	Planned Outage until October 29 2024.
COAL	SLPGC 1	150	09/14/2024 11:24	09/22/2024 5:39	8	Forced Outage	Tripped due to high bearing vibration.
COAL	MSLC3	335	09/14/2024 20:28	09/15/2024 5:01	1	Forced Outage	Tripped due to pulverizer trouble
COAL	DINGININ 2	668	09/16/2024 18:36	09/24/2024 3:22	8	Forced Outage	Emergency shutdown due to boiler tube leak.
COAL	CLC2	300	09/17/2024 9:12	09/18/2024 16:15	1	Forced Outage	Reported Transformer protection activated.
COAL	CLC2	300	09/19/2024 2:20	09/21/2024 11:56	2	Forced Outage	Tripped due to activation of main transformer protection.
COAL	PBL2	382	09/20/2024 0:35			Planned Outage	Planned Outage until November 30 2024.
COAL	CLC2	300	09/21/2024 16:53	09/22/2024 3:15	1	Forced Outage	Tripped due to Digital Electro Hydraulic (DEH) composite trip
COAL	MSLC3	335	09/24/2024 1:56			Planned Outage	Planned outage until October 23 2024.
GEO	PALAYAN BINARY	31	07/24/2024 6:04	09/13/2024 17:28	51	Forced Outage	The unit is under test and commissioning. PCATC is valid until September 7 2024.
GEO	BACMAN1	60	08/25/2024 0:10	08/26/2024 10:41	1	Planned Outage	Planned shutdown to facilitate Black Start test
GEO	BACMAN3	20	08/25/2024 6:07	08/28/2024 12:18	3	Planned Outage	Planned outage August 25 - 28 2024
GEO	BACMAN2	60	08/25/2024 18:30	08/26/2024 0:28	1	Forced Outage	Tripped due to actuation of transformer differential protection

MARKET OUTCOME
ANNEX

Outage Summary

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Luzon							
GEO	MB 1	57	08/26/2024 21:58	08/27/2024 4:33	1	Forced Outage	Condenser vacuum low.
GEO	MGPP 1	20	09/07/2024 4:34	09/09/2024 9:50	2	Forced Outage	Cause of tripping to be determined
GEO	MB 4	58	09/07/2024 23:57	09/08/2024 6:18	1	Forced Outage	Tripped by transformer protection.
GEO	MGPP2	12	09/08/2024 22:18	09/09/2024 7:27	1	Forced Outage	Affected by the transmission line maintenance outage by Meralco.
GEO	PALAYAN BINARY	31	09/17/2024 13:49			Forced Outage	Trouble in switchyard.
GEO	TIWI C BINARY	16.7	09/20/2024 7:39	09/21/2024 18:17	1	Maintenance Outage	Affected by the shutdown of Tiwi C 50MVA Transformer.
HYD	ANG M U4	50	02/14/2022 0:00			Planned Outage	Planned outage.
HYD	ANG A U2	6	11/06/2023 8:01			Planned Outage	Total Plant shutdown (Planned Outage)
HYD	ANG M U1	50	06/28/2024 8:01			Maintenance Outage	Replacement of Main Unit No.1 in relation to the ongoing AHEPP Modernization and Rehabilitation Project (December 31 2024 2400H).
HYD	KAL 1	183	07/01/2024 0:01	09/18/2024 23:59	79	Planned Outage	Planned Outage until September 18 2024.
HYD	BINENG 1	19.8	08/28/2024 16:19	08/29/2024 13:27	1	Forced Outage	Tripped due to transient fault.
HYD	AMPOHAW	12.5	08/28/2024 16:19	08/29/2024 13:42	1	Forced Outage	Tripped due to transient fault.
HYD	NMHC	3.9	08/28/2024 23:16	08/29/2024 13:06	1	Forced Outage	Tripped due to unbalanced current.
HYD	MARIS 1	4.3	09/07/2024 20:34	09/10/2024 11:20	3	Forced Outage	Shutdown due to heavy rain as requested by NIA.
HYD	MARIS 2	4.3	09/16/2024 12:07	09/20/2024 11:45	4	Forced Outage	Suspended IDR due to continuous raining.
HYD	MARIS 1	4.3	09/16/2024 12:07	09/20/2024 11:12	4	Forced Outage	Suspended IDR due to continuous raining.
HYD	KAL 1	183	09/19/2024 0:00			Forced Outage	Extended Outage until October 2 2024
NATG	ST. RITA 20	255.7	07/26/2024 23:50	09/09/2024 23:59	45	Planned Outage	Planned Outage until September 9 2024.
NATG	EERI2	440	08/10/2024 12:02			Maintenance Outage	Maintenance outage after steam blowing. The unit is under test and commissioning.
NATG	EERI1	440	09/01/2024 13:18	09/04/2024 18:37	3	Planned Outage	On commissioning.
NATG	EERI1	440	09/04/2024 19:39	09/09/2024 13:20	5	Maintenance Outage	On commissioning.
NATG	EERI1	440	09/09/2024 14:47			Maintenance Outage	Under testing and commissioning.
NATG	ST. RITA 20	255.7	09/10/2024 0:00	09/14/2024 16:56	4	Forced Outage	Extended Outage (from GOMP).
NATG	AVION 1	47.2	09/13/2024 0:04	09/16/2024 2:20	3	Planned Outage	Planned Outage until September 18 2024
NATG	ILIJAN B1	190	09/13/2024 21:12	09/14/2024 12:31	1	Forced Outage	Tripped due to fuel gas supply low pressure
NATG	ILIJAN A3	220	09/13/2024 21:12	09/14/2024 4:28	1	Forced Outage	Tripped due to fuel gas supply low pressure
NATG	ILIJAN A2	190	09/13/2024 21:12	09/14/2024 3:24	1	Forced Outage	Tripped due to fuel gas supply low pressure
NATG	ILIJAN A1	190	09/13/2024 21:12	09/14/2024 8:46	1	Forced Outage	Tripped due to fuel gas supply low pressure
NATG	ILIJAN B3	220	09/13/2024 21:13	09/14/2024 13:41	1	Forced Outage	Tripped due to fuel gas supply low pressure
NATG	ILIJAN B2	190	09/13/2024 21:13	09/14/2024 15:05	1	Forced Outage	Tripped due to fuel gas supply low pressure
NATG	AVION 2	45.8	09/14/2024 0:03	09/18/2024 3:50	4	Planned Outage	Planned Outage until September 24 2024.
NATG	ST. RITA 20	255.7	09/14/2024 20:24	09/16/2024 6:17	2	Forced Outage	Extended Outage (from GOMP).
NATG	ST. RITA 20	255.7	09/16/2024 21:13	09/18/2024 12:03	2	Forced Outage	Extended Outage (from GOMP).
NATG	ST. RITA 30	263	09/18/2024 0:15			Planned Outage	Planned Outage until November 1 2024.
NATG	ST. RITA 20	255.7	09/18/2024 17:21	09/19/2024 11:45	1	Forced Outage	Extended Outage (from GOMP).
NATG	ILIJAN A1	190	09/21/2024 22:53	09/22/2024 14:10	1	Forced Outage	Inlet guide vane repair in the roller.

MARKET OUTCOME
ANNEX

Outage Summary

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Luzon							
OIL	MAL 1	300	05/03/2019 18:21			Forced Outage	Declared unavailable due to motorization of unit generator caused by the non-opening of phase B of PCB 8-05CB08MAL
OIL	LAFARGE1	5.5	04/04/2024 19:20	08/27/2024 14:01	145	Forced Outage	side
OIL	MAL 2	130	07/24/2024 21:24			Forced Outage	Tripped due to loss prime of CWP
OIL	LIMAY-U1	60	09/07/2024 0:01	09/13/2024 16:32	6	Planned Outage	Planned Outage
Visayas							
BIOF	SCBI U0	7.4	03/31/2023 10:35			Forced Outage	Plant shutdown
BIOF	HPC U1 U0	2	11/12/2023 20:00			Forced Outage	Defective auxiliary of vibration meter.
BIOF	VMC U0	2.5	04/21/2024 16:20			Forced Outage	Weekly maintenance.
BIOF	HPC U2 U0	9.5	09/07/2024 16:19			Forced Outage	Shutdown after plant test run.
BIOF	SCBP U0	19.5	09/13/2024 14:40			Forced Outage	Emergency offline due to poor fuel quality.
BIOF	VMC U0I U0	35	09/20/2024 16:39	09/24/2024 14:19	4	Forced Outage	Weekly maintenance.
BIOF	URC U2	16	09/23/2024 20:12			Forced Outage	Shutdown end of trial run.
BIOF	URC U1	30	09/23/2024 20:19			Forced Outage	Shutdown end of trial run.
COAL	PCPC U1	135	08/25/2024 15:59	08/26/2024 2:02	1	Forced Outage	facilitate placing turbine on turning gear operation due to high turbine bearing vibration.
COAL	KSKP U0	103	09/20/2024 17:29	09/21/2024 12:19	1	Forced Outage	Turbine lube oil pressure low low switches A & B trip signal due to wiring terminal broken that caused wiring shortage and sudden trip the unit
COAL	PCPC U1	135	09/24/2024 20:21	09/25/2024 1:15	1	Forced Outage	Loss of Turbine hydraulic pressure for control valves
GEO	MALITBOG U2	77.5	07/08/2024 5:43			Forced Outage	Due to high vibration
GEO	PGPP2 SOG1 U0	20	08/30/2024 0:04	09/01/2024 23:27	2	Forced Outage	Emergency shutdown due to heavy steam leak at gland sealing supply header.
GEO	NASULO U0	47.5	09/08/2024 22:47	09/09/2024 6:32	1	Forced Outage	Auto tripped due to auxiliary cooling water booster pump stop indication.
GEO	MALITBOG U3	75.06	09/09/2024 0:36	09/11/2024 9:21	2	Forced Outage	Due to steam leak at main steam header.
GEO	PGPP1 U3	35.5	09/12/2024 0:10			Forced Outage	emergency shutdown at 0010H to conduct inspection of the turbine rotor due to high bearing no.1 vibration.
GEO	MALITBOG U3	75.06	09/14/2024 0:20	09/15/2024 4:02	1	Forced Outage	Emergency shutdown for generator terminal hotspot correction
GEO	MALITBOG BCP U0	13.35	09/22/2024 16:31	09/23/2024 21:32	1	Forced Outage	Activation of condenser inlet pressure high-high indication.
GEO	MALITBOG BCP U0	14	09/22/2024 16:31			Forced Outage	Activation of condenser inlet pressure high-high indication.
GEO	UMPP U4	27.5	09/24/2024 18:50	09/25/2024 0:12	1	Forced Outage	rectify vapor extractor and coupling
HYD	THC U1	5	08/24/2024 19:02	09/01/2024 2:13	8	Forced Outage	Tripped due to unbalanced voltage
HYD	Villasiga U3	0.9	08/25/2024 21:01	08/26/2024 5:01	1	Forced Outage	due to bearing oil flow low
HYD	Villasiga U3	0.9	08/27/2024 10:24	08/28/2024 7:10	1	Forced Outage	Due to DE bearing oil flow low
HYD	AHEP U1	0.45	08/30/2024 16:17	09/13/2024 6:56	14	Forced Outage	Shutdown due to isolation of 34.5KV Amlan-Ahep Line.
HYD	THC U3	5.1	09/03/2024 12:24			Forced Outage	Affected by the tripping of 69kV Taft feeder.
HYD	THC U2	5.1	09/03/2024 12:24			Forced Outage	Affected by the tripping of 69kV Taft feeder.
HYD	Villasiga U1	3.6	09/08/2024 18:46	09/09/2024 17:28	1	Forced Outage	Affected by line fault
HYD	TIMBABAN Hydro	18.9	09/13/2024 17:49	09/14/2024 13:18	1	Forced Outage	due to clogging at trash trap
HYD	Villasiga U3	0.9	09/19/2024 10:10	09/20/2024 3:16	1	Forced Outage	Emergency cut-out due to pressure head low at intake gate due to debris
HYD	SMHC U2	1.25	09/25/2024 18:47			Forced Outage	Affected by the tripping of BOHECO 1 Loay SS Feeder 14.
HYD	SMHC U1	1.25	09/25/2024 18:47			Forced Outage	Affected by the tripping of BOHECO 1 Loay SS Feeder 14.
OIL	EAUC U1	11.5	05/13/2024 22:55			Forced Outage	CYLINDER NO. 7 CRANKCASE EXPLOSION

MARKET OUTCOME
ANNEX

Outage Summary

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Visayas							
OIL	CPPC U10	6.5	08/17/2024 0:01	09/03/2024 16:08	17	Maintenance Outage	Generator Servicing [18K Hours] ECD September 3 2024
OIL	TPC (Carmen) U4	10	08/24/2024 0:00			Forced Outage	Detached connecting rods and crank shaft for machining
OIL	IASCO SECTOR U3	15.1	08/25/2024 22:52	08/26/2024 3:20	1	Forced Outage	Transformer out. Sector isolated
OIL	IASCO SECTOR U2	10.1	08/25/2024 22:52	08/26/2024 3:20	1	Forced Outage	Transformer out. Sector isolated
OIL	IASCO SECTOR U1	10	08/25/2024 22:52	08/26/2024 3:20	1	Forced Outage	Transformer out. Sector isolated
OIL	PB104 U1	7	08/29/2024 8:49	08/30/2024 12:43	1	Forced Outage	Hard starting.
OIL	PDPP3 U5	12	08/29/2024 14:20	08/30/2024 6:55	1	Forced Outage	Knocking sound at cam piece of cylinder head A8
OIL	PDPP3 U7	13	08/30/2024 15:28	08/31/2024 8:48	1	Forced Outage	Rising of liner & exhaust gas temperature of cylinder B1
OIL	PDPP3 U8	13	08/30/2024 15:36	08/31/2024 0:00	1	Forced Outage	High torsional vibration
OIL	PDPP3 U5	12	09/02/2024 17:23	09/05/2024 16:08	3	Forced Outage	Excessive HT water leak between engine frame and liner setting on cyl A4 and A5
OIL	PB104 U3	7	09/03/2024 20:17	09/04/2024 2:38	1	Forced Outage	Busted expansion bellows between cylinder 7R & 8R.
OIL	AVON-Nabas U1	3	09/04/2024 13:00	09/09/2024 12:40	5	Forced Outage	Lube oil cooler leak
OIL	PB104 U3	7	09/04/2024 15:33	09/05/2024 11:10	1	Forced Outage	Cut-off stud bolt at exhaust manifold cylinder 6L & excessive gas leak along cylinder 7R & 8R.
OIL	PDPP3 U3	12	09/06/2024 18:34	09/07/2024 8:06	1	Forced Outage	Emergency cut-out due to high tortional vibration.
OIL	PB104 U4	8	09/07/2024 0:01	09/10/2024 0:00	3	Planned Outage	Affected by the scheduled APMS of 42MVA transformer and associated HVES.
OIL	PB104 U3	7	09/07/2024 0:01	09/10/2024 0:00	3	Planned Outage	Affected by the scheduled APMS of 42MVA transformer and associated HVES.
OIL	PB104 U1	7	09/07/2024 0:01	09/10/2024 0:00	3	Planned Outage	Affected by the scheduled APMS of 42MVA transformer and associated HVES.
OIL	CPPC U6	6.5	09/07/2024 0:01			Maintenance Outage	Maintenance outage (awaiting DOE Rev2 approval as GOMP) affected by Main Transformer 1 replacement to conduct Smoke Stack Repair ECD Oct 1 2024 2359H.
OIL	CPPC U3	6.5	09/07/2024 0:01			Maintenance Outage	Maintenance outage (awaiting DOE Rev2 approval as GOMP) affected by Main Transformer 1 replacement to conduct 97 500 ERH - 1 500 H Type PMS. ECD Oct 1 2024 2359H.
OIL	CPPC U2	6.5	09/07/2024 0:01	09/24/2024 0:03	17	Maintenance Outage	Maintenance outage (awaiting DOE Rev2 approval as GOMP) affected by Main Transformer 1 replacement to conduct 90 000 ERH - 18 000 H Type PMS. ECD Oct 1 2024 2359H.
OIL	CPPC U1	6.5	09/07/2024 0:01	09/24/2024 22:01	17	Maintenance Outage	Maintenance outage (awaiting DOE Rev2 approval as GOMP) affected by Main Transformer 1 replacement to conduct Generator Servicing 5YR and 18 000 RH. ECD Oct 1 2024 2359H.
OIL	TPVI U6	5.5	09/07/2024 8:15	09/08/2024 21:00	1	Forced Outage	affected by planned outage of their 38MVA Transformer
OIL	TPVI U5	5.5	09/07/2024 8:15	09/08/2024 21:00	1	Forced Outage	affected by planned outage of their 38MVA Transformer
OIL	TPVI U4	5.5	09/07/2024 8:15	09/08/2024 21:00	1	Forced Outage	affected by planned outage of their 38MVA Transformer
OIL	TPVI U3	5.5	09/07/2024 8:15	09/08/2024 21:00	1	Forced Outage	affected by planned outage of their 38MVA Transformer
OIL	TPVI U2	5.5	09/07/2024 8:15	09/08/2024 21:00	1	Forced Outage	affected by planned outage of their 38MVA Transformer
OIL	TPVI U1	5.5	09/07/2024 8:15	09/08/2024 21:00	1	Forced Outage	affected by planned outage of their 38MVA Transformer
OIL	PB101 U4	6	09/07/2024 18:04	09/08/2024 9:17	1	Forced Outage	Emergency cut-out due to excessive fuel leak at cylinder 8L
OIL	PDPP3 U5	12	09/09/2024 12:39	09/10/2024 7:13	1	Forced Outage	emergency stop due to high exhaust manifold ang high EGT on both banks
OIL	PB104 U2	7	09/10/2024 0:01	09/12/2024 1:18	2	Forced Outage	Extended due to unfinished activities as per PB 104.
OIL	PDPP3 U5	12	09/11/2024 13:11	09/12/2024 21:07	1	Forced Outage	Unable to cut-in due to abnormal sound at cylinder B1

MARKET OUTCOME
ANNEX

Outage Summary

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Visayas							
OIL	PDPP3 U3	12	09/12/2024 17:42	09/13/2024 7:20	1	Forced Outage	due to observe knocking sound at camshaft of cyl. B3
OIL	PB104 U4	8	09/12/2024 18:12	09/13/2024 4:55	1	Forced Outage	Cut-off stud bolt of exhaust manifold at cylinder 1R.
OIL	PB104 U2	7	09/12/2024 22:06	09/13/2024 0:42	1	Forced Outage	Under plant testing after 12K PMS.
OIL	PB104 U4	8	09/14/2024 18:15	09/15/2024 0:40	1	Forced Outage	Excessive exhaust gas leak at air starting valve of cylinder head 6L.
OIL	PB104 U3	7	09/17/2024 14:05	09/22/2024 22:40	5	Forced Outage	DUE TO MULFUNCTION OF T C RIGHT SIDE.
OIL	PDPP1 U5	5	09/18/2024 12:34	09/19/2024 23:01	1	Forced Outage	Excessive water leak at cylinder B 16
OIL	PDPP3 U3	12	09/18/2024 22:35	09/19/2024 7:11	1	Forced Outage	Unable to cut-in due to excessive water leak at cylinder A6
OIL	PB104 U2	7	09/20/2024 22:00	09/21/2024 8:52	1	Forced Outage	DUE TO BUSTED EXPANSION BELLOWS AT CYLINDER 7R.
OIL	TPC (Carmen) U2	10	09/21/2024 0:01	09/26/2024 0:01	5	Planned Outage	GOMP
OIL	BDPP U3	4.2	09/21/2024 22:21	09/22/2024 1:25	1	Forced Outage	Defective generator excitation potentiometer.
OIL	BDPP U3	4.2	09/22/2024 18:24	09/23/2024 0:47	1	Forced Outage	Unable to cut-in due to defective generator excitation potentiometer.
OIL	PB104 U1	7	09/22/2024 19:17	09/23/2024 6:52	1	Forced Outage	Excessive exhaust gas leak at cylinder head 1R.
OIL	BDPP U3	4.2	09/24/2024 17:35	09/25/2024 0:59	1	Forced Outage	Over-voltage indication.
OIL	PB104 U3	7	09/24/2024 17:37			Forced Outage	Malfunction of turbo charger right side.
SOLR	SEPALCO U0	40.5	08/30/2024 15:31	08/31/2024 14:00	1	Forced Outage	Affected by Ormoc-San Isidro 69kV line tripping.
SOLR	ISLASOL II U0	27.2	09/14/2024 10:54	09/16/2024 13:16	2	Forced Outage	Auto -tripped due to line fault along 13.8KV Line.
SOLR	Silay Solar U0	20	09/14/2024 13:47	09/15/2024 1:28	1	Forced Outage	Isolated with 0.6MW load at 1347H due to tripping of 69kV Bacolod -Silay Line.
SOLR	SEPALCO U0	40.5	09/20/2024 18:46	09/22/2024 12:57	2	Forced Outage	Shutdown of 50MVA Transformer to continue the installation of revenue meters for Solar feeders.
Mindanao							
BIOF	CSC U1	3.4	03/11/2024 23:59			Forced Outage	Shutdown from Testing and Commissioning Phase. (Forced Outage)
BIOF	BBM U0	5.7	06/29/2024 17:00			Forced Outage	Repair works along feeding system is ongoing. (Forced Outage)
BIOF	BBI U0	12.4	09/10/2024 19:00			Forced Outage	Out of gas. (OMC Outage)
BIOF	LSK U1	15	09/18/2024 7:49	09/19/2024 2:31	1	Forced Outage	Emergency shutdown due to boiler problem
COAL	FMP U1	135	08/26/2024 0:11	09/09/2024 23:18	14	Planned Outage	(PMS-GOMP).
COAL	GKP U3	151.3	08/28/2024 0:04			Planned Outage	(PMS-GOMP). ETC October 07 2024
COAL	MCO U2	150	09/01/2024 17:29	09/02/2024 7:58	1	Forced Outage	Desynchronized due to coal handling trouble. (Forced Outage)
COAL	MCC U1	55	09/07/2024 0:03			Planned Outage	(PMS-GOMP). ETC September 26 2024
COAL	FMP U1	135	09/17/2024 12:51	09/18/2024 1:40	1	Forced Outage	Emergency shutdown due to heavy leak of feed water pump. Gradual unloading implemented from 134.4MW starting 1041H down to 0MW. No FLV (Unplanned Outage).
COAL	GKP U4	151	09/21/2024 0:04	09/23/2024 0:00	2	Forced Outage	PMS (Non-GOMP). ETC October 11 2024.
COAL	GKP U4	151	09/23/2024 0:00			Planned Outage	PMS (GOMP). Note From Non-GOMP to GOMP. ETC October 11 2024.
COAL	DCP U1	151.4	09/23/2024 12:15			Forced Outage	Tripped due to boiler tube leak. (Forced outage)
HYD	THC U3	5.1	09/02/2024 0:55	09/02/2024 1:02		Forced Outage	Affected by Paranas-Quinapondan 69kV Line auto-tripping.
HYD	THC U2	5.1	09/02/2024 0:55	09/02/2024 1:04		Forced Outage	Affected by Paranas-Quinapondan 69kV Line auto-tripping.
HYD	THC U2	5.1	09/02/2024 0:55	09/02/2024 1:04		Forced Outage	Affected by Paranas-Quinapondan 69kV Line auto-tripping.
COAL	PPE U1	20	09/24/2024 9:22	09/25/2024 0:07	1	Forced Outage	Emergency shutdown to facilitate inspection of turbine rupture disk (Unplanned Outage).
GEO	MA1 U1	51.4	09/11/2024 22:42	09/13/2024 19:26	2	Forced Outage	Auto-tripped due to activation of main T mer 87T. (Forced Outage) ETC For further notice.

MARKET OUTCOME
ANNEX

Outage Summary

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Day/s)	Outage Type	Remarks
Mindanao							
HYD	ALP U0	2.6	07/28/2024 8:05			Forced Outage	Plant on shutdown. Generating Units 1 & 2 were totally damaged by landslide. (Forced Outage)
HYD	AGC U0	24.8	08/27/2024 7:01	08/30/2024 13:05	3	Forced Outage	Synchronized from PMS(NON-GOMP).
HYD	LPP U1	11.9	08/28/2024 15:26	08/30/2024 13:01	2	Forced Outage	Plant tripped affected by the unplanned outage of Agus6-Kauswagan 69kV line. (OMC outage)
HYD	AG7 U1	26.1	09/02/2024 3:01	09/03/2024 13:11	1	Forced Outage	Auto-tripped due to actuator governor problem. (Forced Outage)
HYD	AG6 U4	40	09/02/2024 9:02			Planned Outage	(PMS-GOMP). ETC October 31 2024
HYD	NBT U0	3	09/02/2024 10:01			Forced Outage	Plant shutdown due to weir repair. ETC December 02 2024. (Forced outage)
HYD	FGA U0	1.6	09/07/2024 23:36	09/08/2024 0:28	1	Forced Outage	Isolated (affected) due to tripping of Puerto-Damilag 34.5kVL. (OMC Outage)
HYD	AG6 U3	50	09/09/2024 9:02	09/17/2024 20:01	8	Planned Outage	PMS-GOMP. ETC September 23 2024.
HYD	Talomo TL1 U2	0.5	09/12/2024 23:10	09/13/2024 1:48	1	Forced Outage	Plant shutdown due to clogged intake. (OMC Outage)
HYD	MHP U0	0.5	09/13/2024 13:20			Forced Outage	Emergency shutdown due to bearing temperature rising. (Forced Outage)
HYD	PG4 U1	75	09/16/2024 8:08	09/20/2024 8:11	4	Maintenance Outage	Maintenance outage due to replacement of Generator Air CoolerETC Sep. 20 2024
HYD	TU2 U2	2.5	09/21/2024 23:30	09/22/2024 0:01	1	Forced Outage	Affected by transfer of 5LI1TOR-DIG loads from Matanao SS back to Toril SS. (OMC Outage)
HYD	TU2 U1	5.5	09/21/2024 23:30	09/22/2024 0:04	1	Forced Outage	Affected by transfer of 5LI1TOR-DIG loads from Matanao SS back to Toril SS. (OMC Outage)
HYD	SBL B U1	14	09/22/2024 16:30			Forced Outage	Plant on shutdown. Inspection and replacement of drive end bearing. (Forced Outage)
HYD	MN2 U1	6.8	09/23/2024 8:01	09/24/2024 15:52	1	Planned Outage	PMS (GOMP). ETC September 26 2024.
HYD	AG1 U1	35	09/24/2024 8:19			Forced Outage	PMS (Non-GOMP). ETC September 27 2024
OIL	KEG U0	10.6	04/15/2024 15:05			Forced Outage	Failed to synchronize due to low SF6 Pressure on PCB. Forced Outage (Unplanned Outage)
OIL	EEI U2	4.6	09/06/2024 14:10	09/07/2024 10:36	1	Forced Outage	Generator failure (Unable to synchronize). Declared available at 1036H.(Forced Outage)

Congestion

Equipment Name	Trading Intervals	Percent of Time
DASMA_CORR	272	3%
1MEXI_1HER1	159	2%
12PLACE_TR2	81	1%
8BARO_8DIN1	53	1%
1ANGAT_TR3	22	0.2%
7CORELL_TR1	21	0.2%
1ANGAT_TR4	19	0.2%
4CLBYOG_TR2	13	0.1%
6KABAN_TR1	8	0.1%
1SNMAN_TR1	7	0.1%
8BARO_8DIN2	7	0.1%
AG2_TO_BALO	2	0.02%
1BAKUN_TR1	1	0.01%
3MKBNA_TR2	1	0.01%
8PANITA_TR2	1	0.01%

MARKET OUTCOME
GLOSSARY OF TERMS

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.

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

MARKET SHARE

The fraction of the total capacity or energy that a company or related group owns or controls in the market.

MAJOR PARTICIPANT GROUP

The grouping of generators by ownership or control.

NOMINATED CAPACITY

The available capacity declared by self-scheduled generators.

Public

MARKET OUTCOME
GLOSSARY OF TERMS

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.

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 (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.

DISCLAIMER

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