



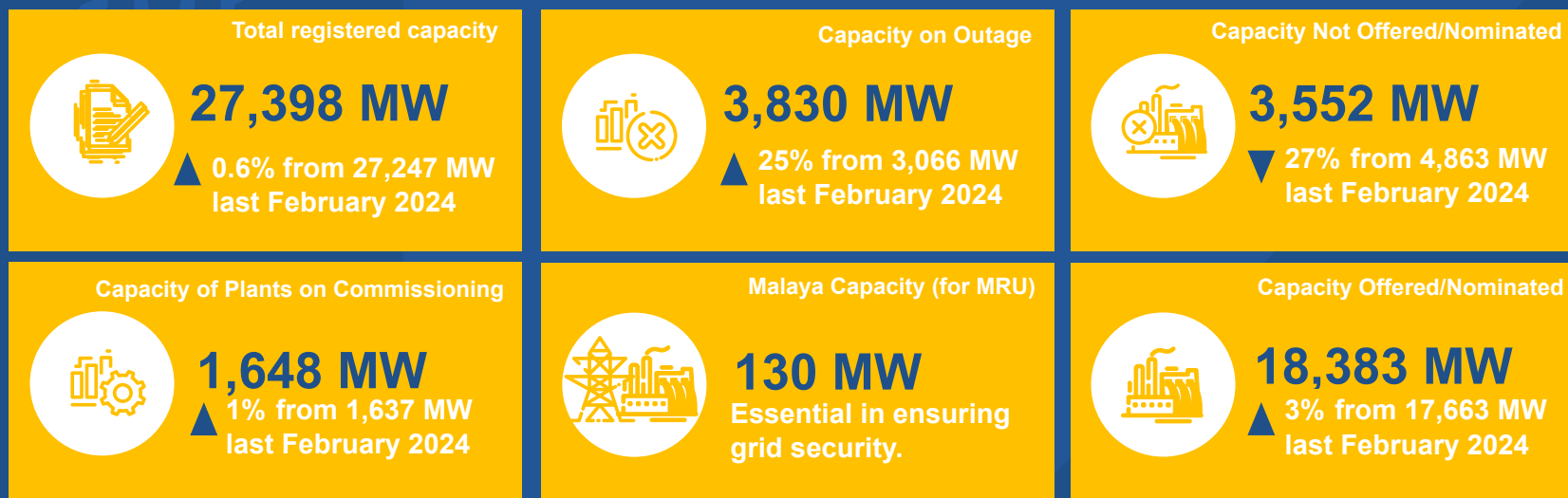
MONTHLY MARKET ASSESSMENT HIGHLIGHTS

26 February 2024 to 25 March 2024

SUMMARY OF OBSERVATIONS

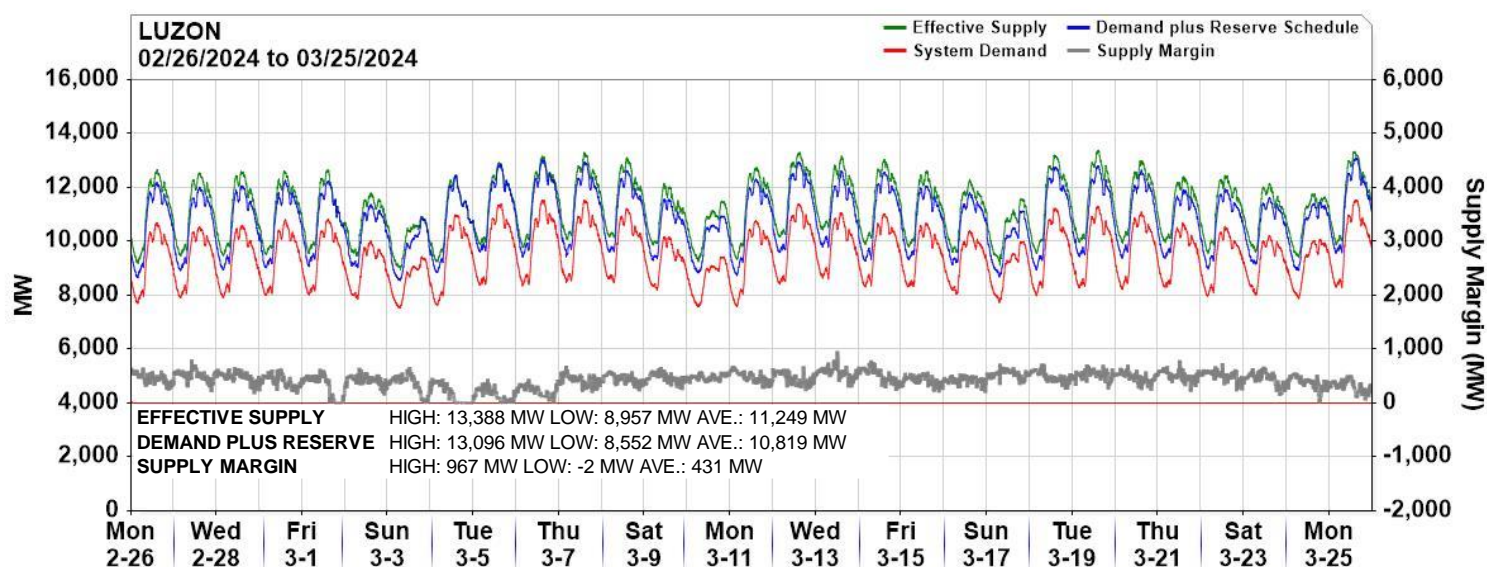
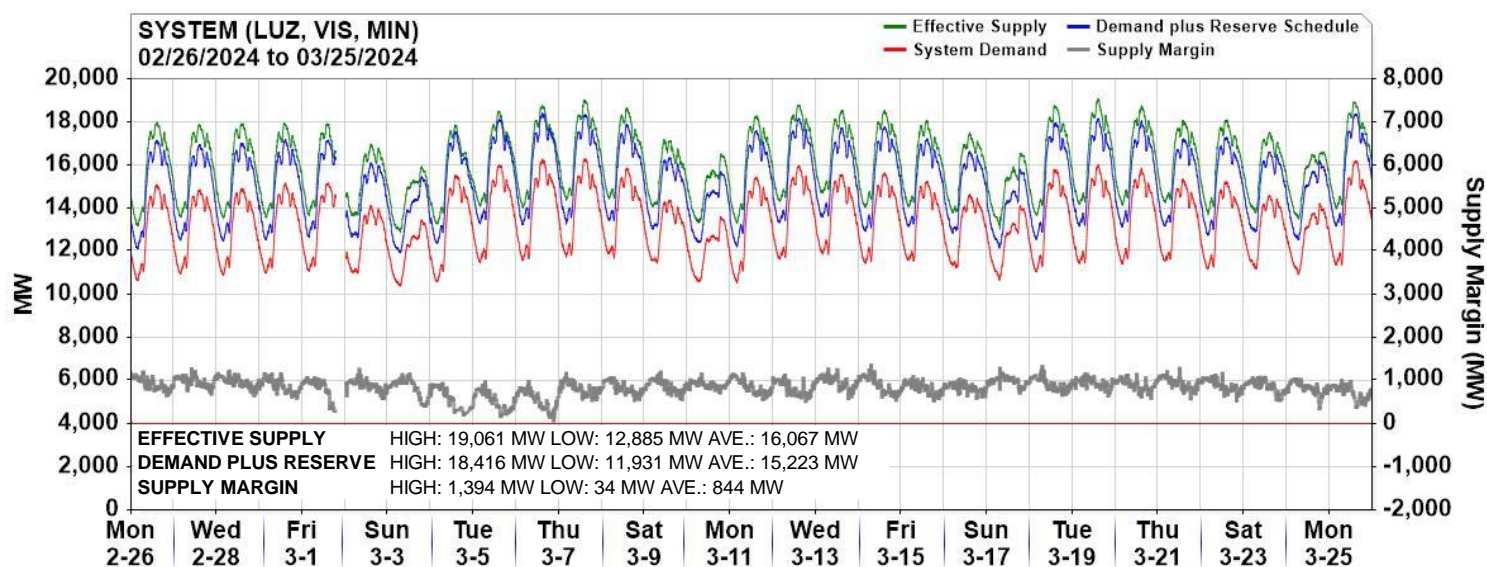
- **Issuances of Secondary Price Cap** affecting 583 trading intervals were recorded for the subject period.
- **Yellow Alert** grid issuance on 01 March 2024 due to insufficient operating margin caused by multiple power plant tripping.
- Depleted **supply margin** brought about by **high levels of capacities on outage** translated to **significantly higher market prices**.
- **Market Intervention** was issued in Visayas affecting 67 intervals due to partial blackout at Panay sub-grid on 01-02 March 2024.
- Notable congestion(s):
 - Samboan-Amlan line 1 (Cebu-Negros submarine cable) was congested by 1,704 intervals, or equivalent to 20% of the time.
 - Maasin-Ubay line 1 was congested for 1,240 intervals or equivalent to 15% of the time.
 - Congestions of Bauang-La Trinidad lines 1 and 2 was congested for 229 and 183 intervals or equivalent to 3% and 2% of the time respectively, subsequently triggered the Price Substitution Methodology (PSM) issuance during the month in review.

AT A GLANCE



MARKET OUTCOME

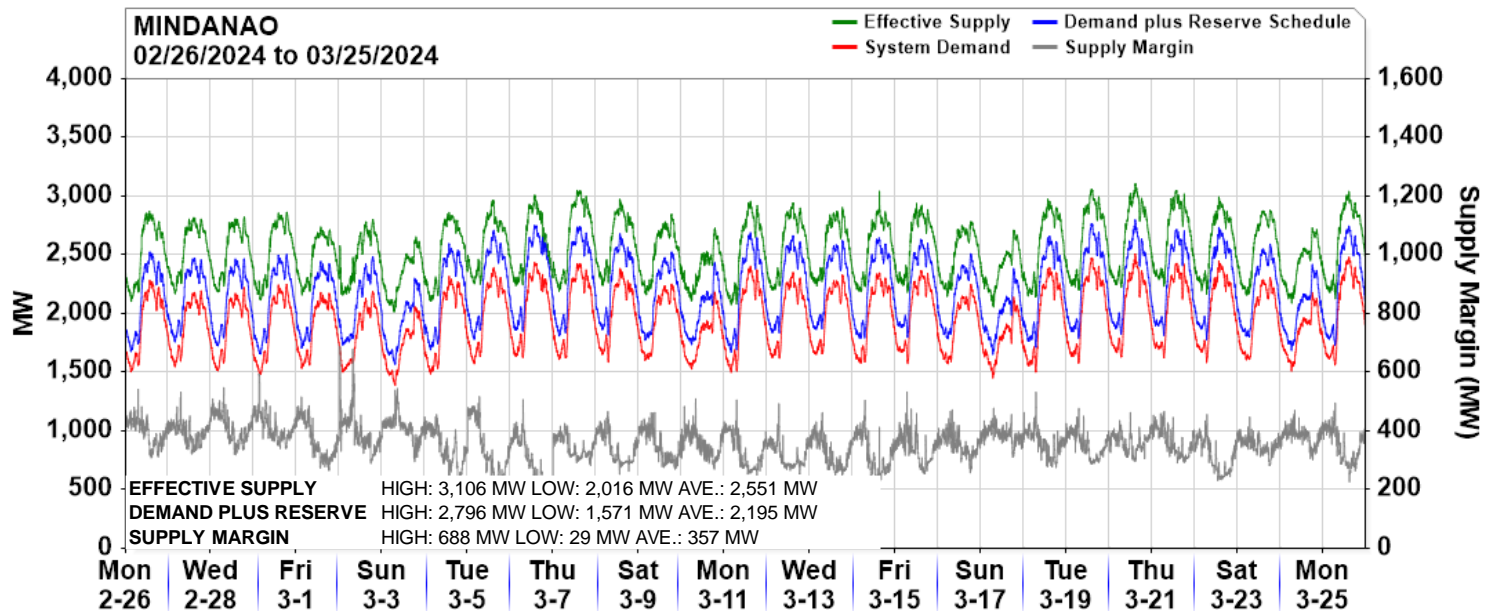
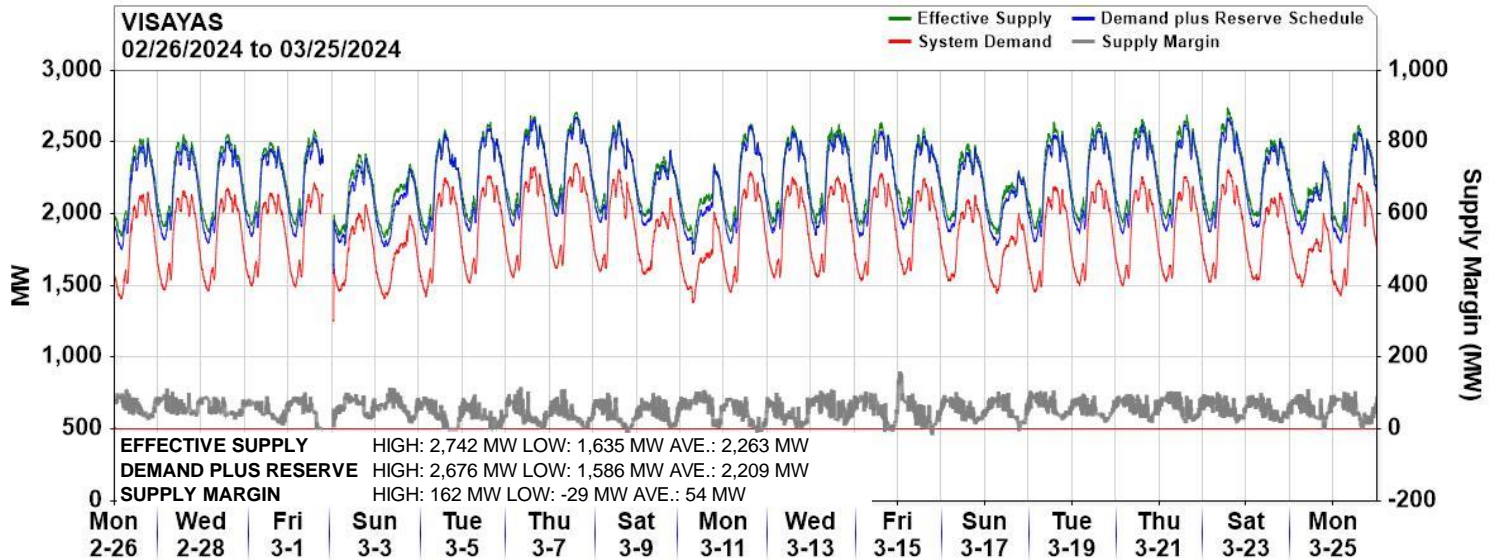
SUPPLY AND DEMAND



Effective Supply increased by an average of 5.4% even with the significant increase in the levels of capacities on outage. However, the demand likewise increased by an average of 7%, leading to the thinning of supply margin which plunged by an average of 15.7% during the period.

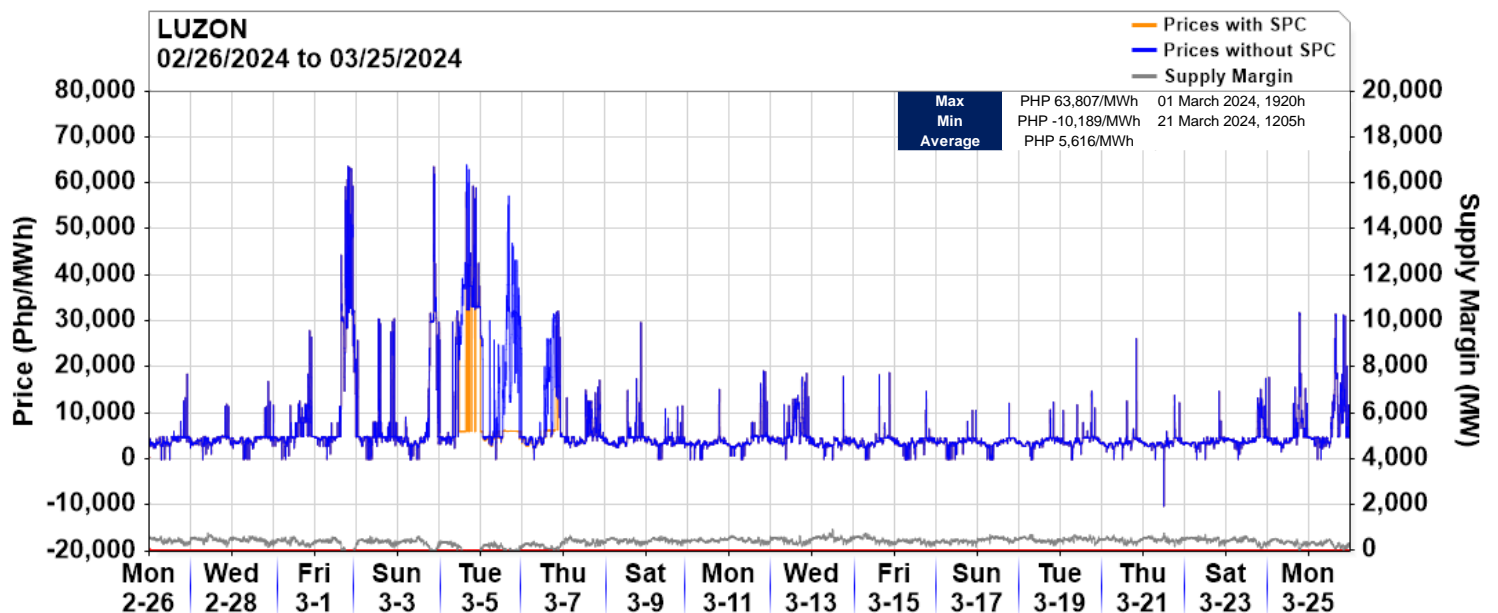
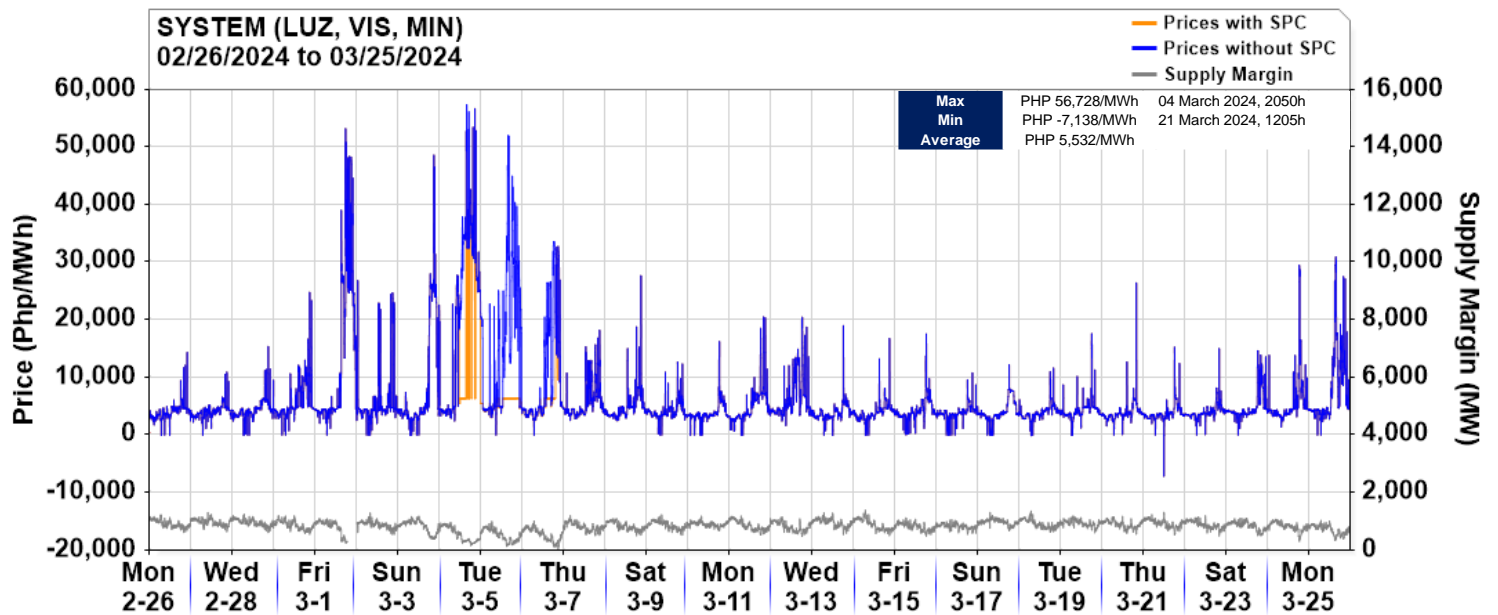
MARKET OUTCOME

SUPPLY AND DEMAND



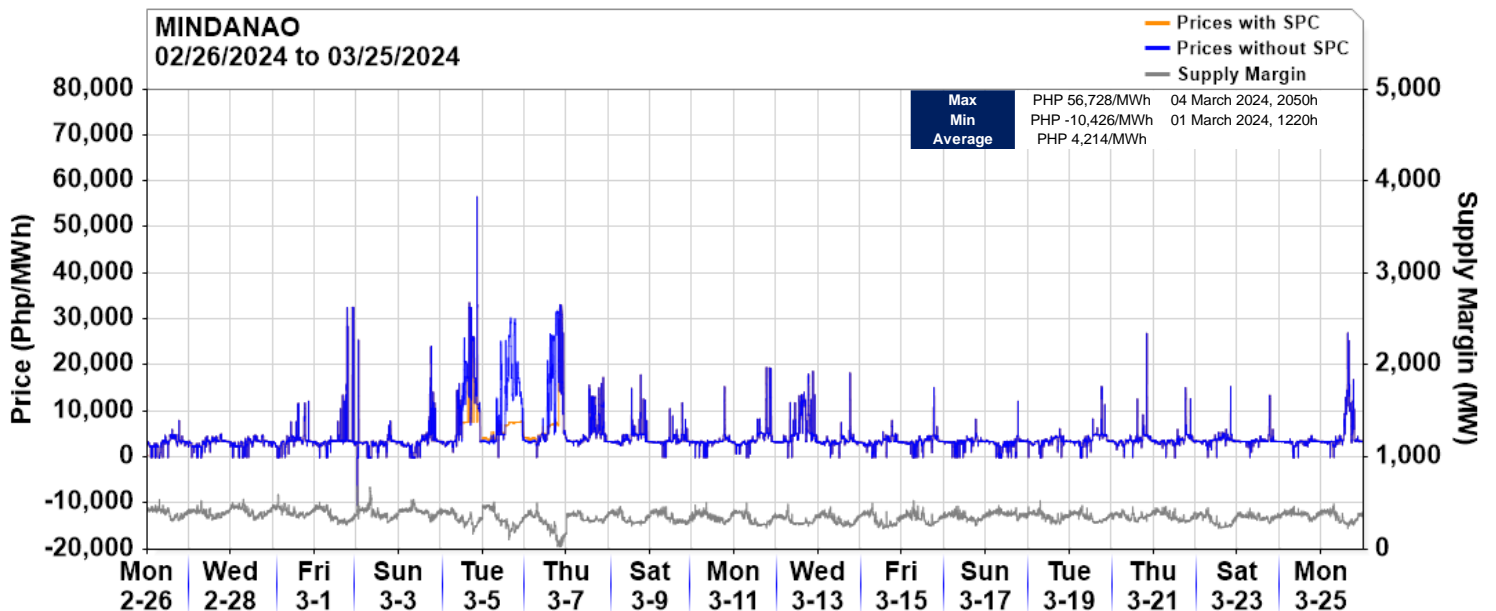
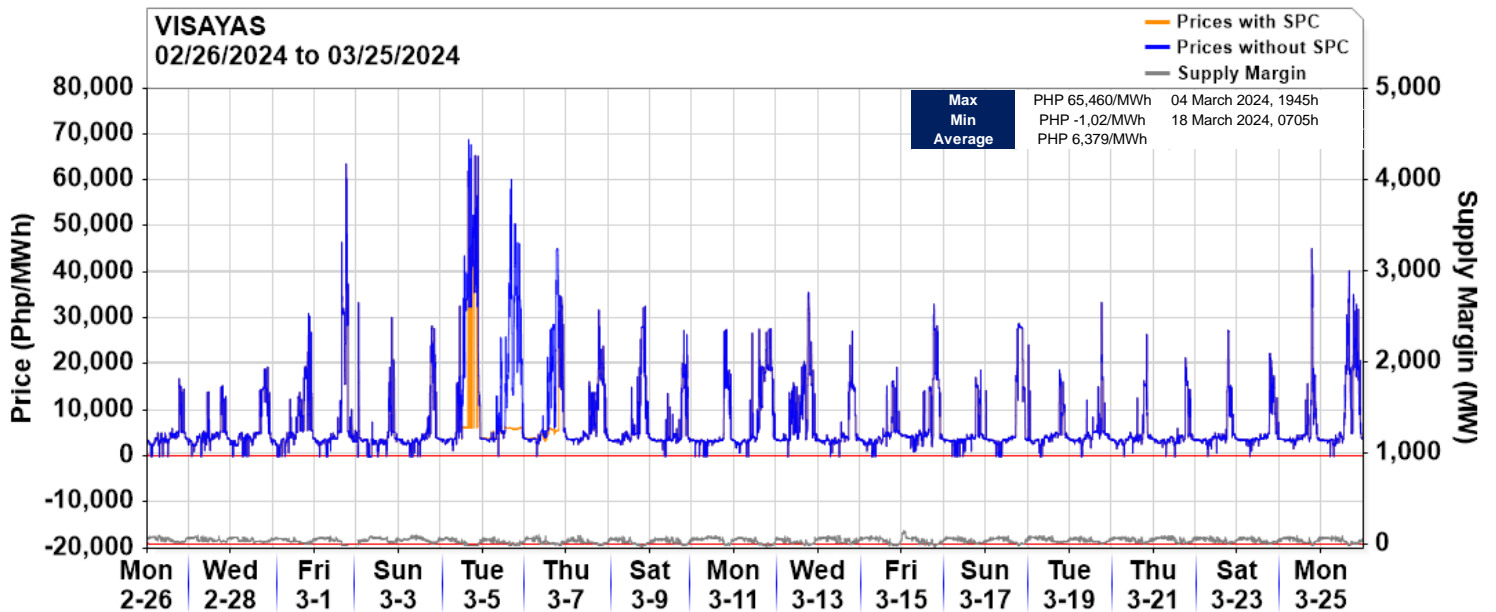
MARKET OUTCOME

MARKET PRICES



MARKET OUTCOME

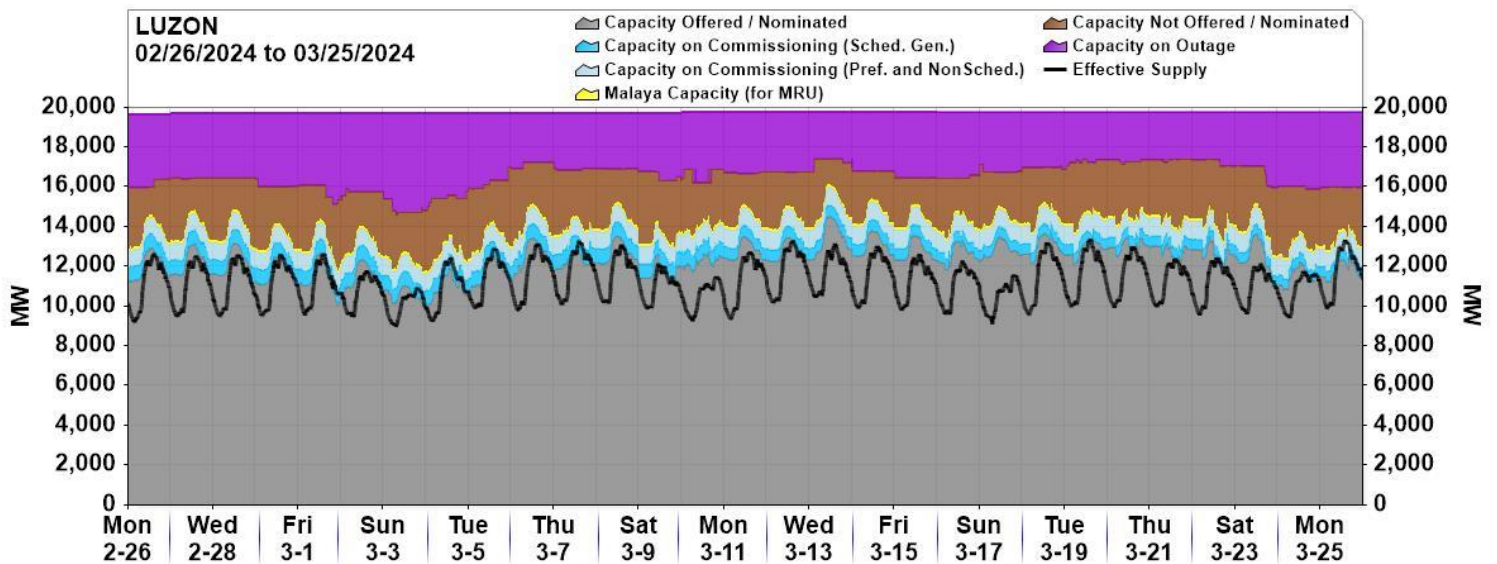
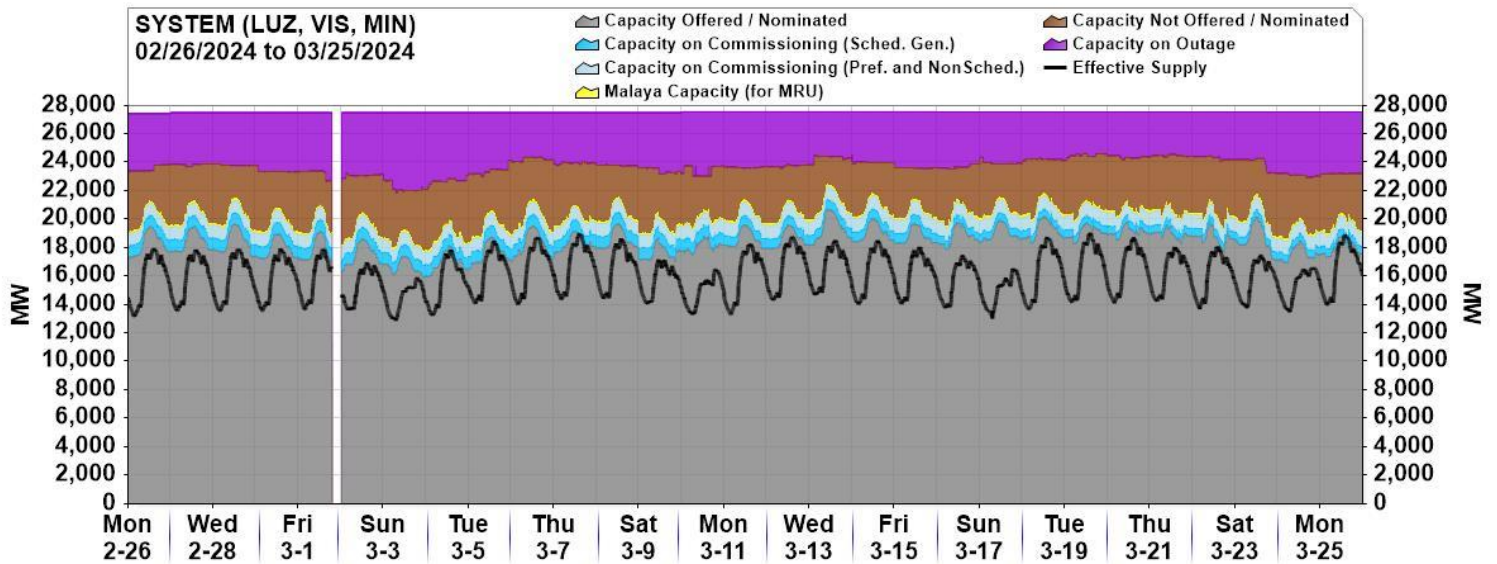
MARKET PRICES



There were noted instances of price spikes in Luzon, Visayas, and Mindanao regions, affected mainly by the availability of supply to meet the demand. Noting that average prices, system-wide and regional, were relatively higher this month compared to last month, issuances of system-wide or regional secondary price cap was noted, which affected 583 trading intervals. Market prices which were greater than the offer price cap resulted from the costs of losses and congestion due to the current system design. Furthermore, high prices, particularly during the first week of March, were a result of the co-optimization of energy and reserve.

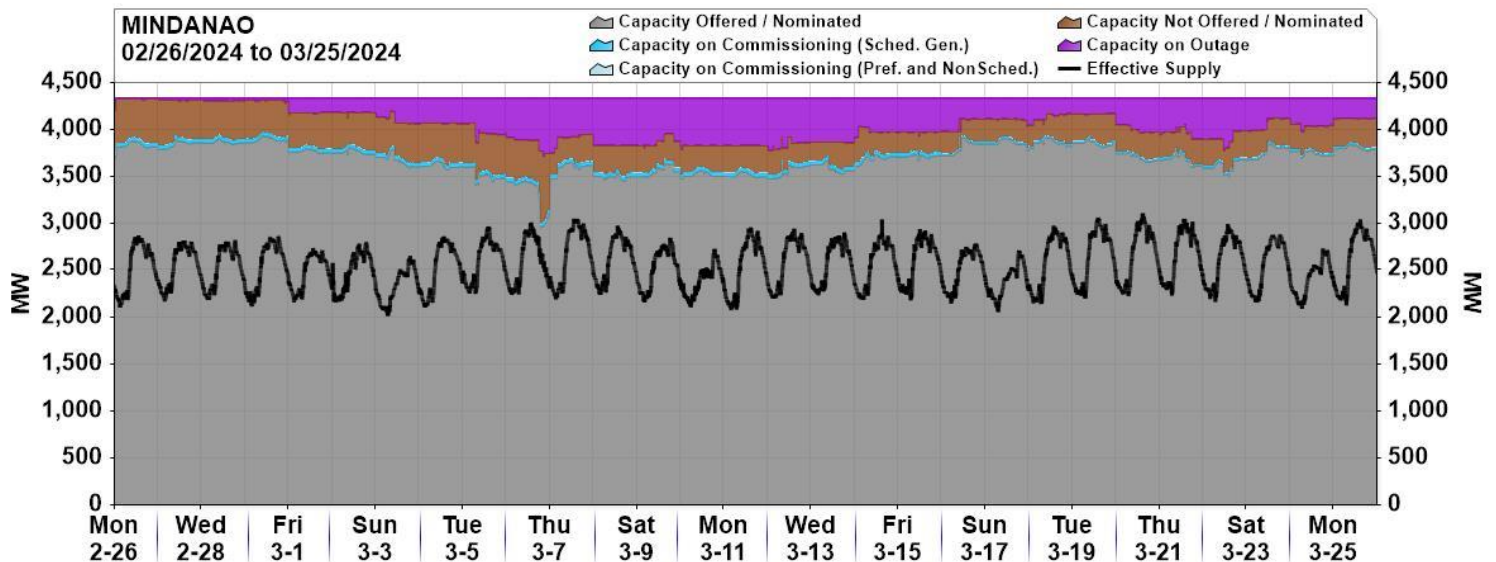
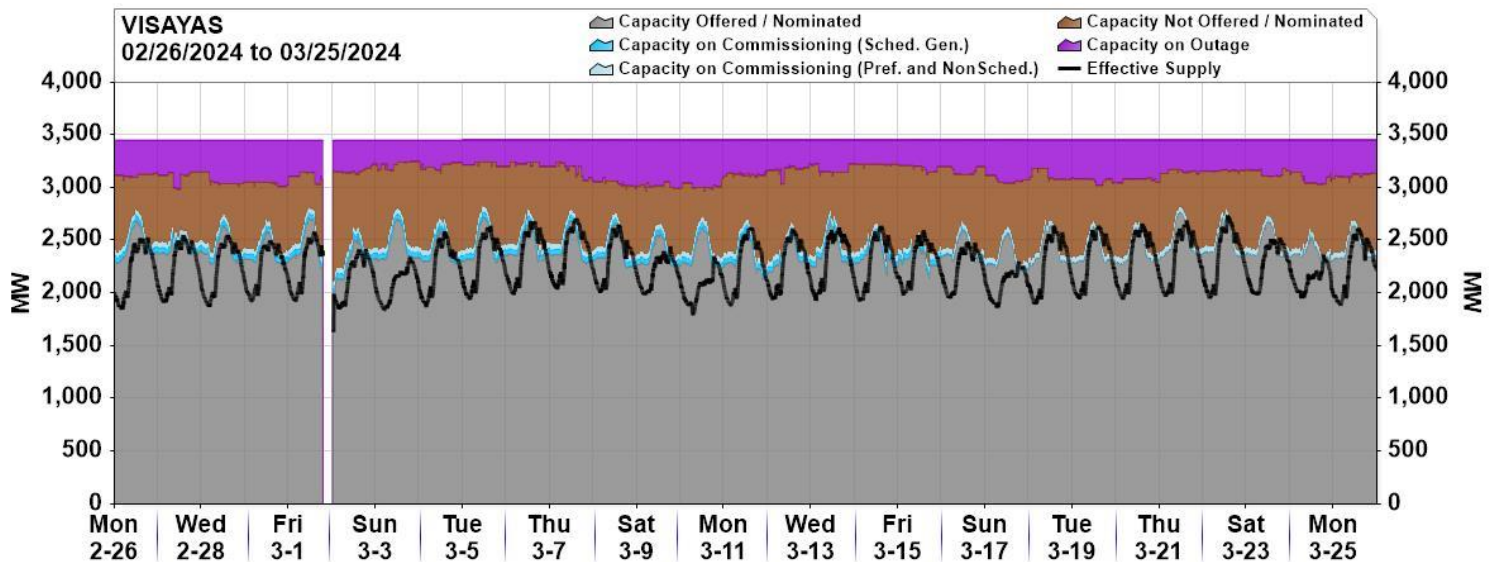
MARKET OUTCOME

CAPACITY PROFILE



MARKET OUTCOME

CAPACITY PROFILE

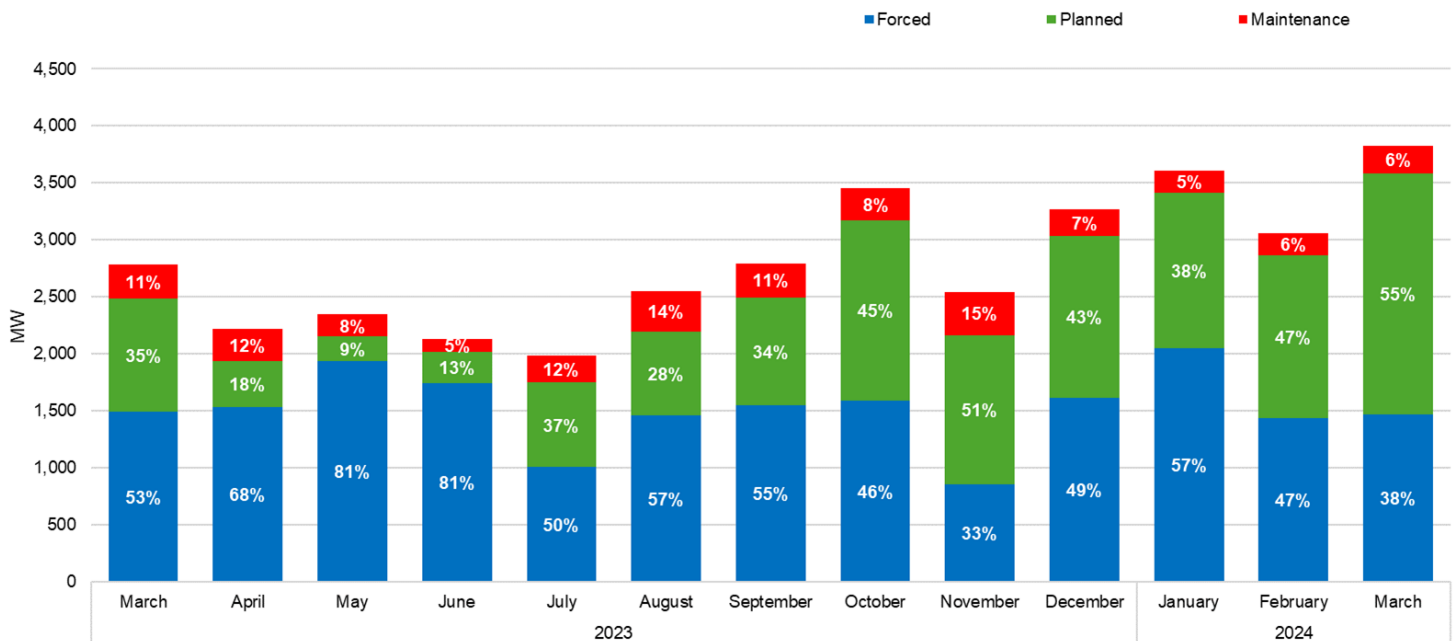


A total system-registered capacity of 27,566.9 MW was noted during the billing period in review. Of the total registered capacity, 3,552 MW was under the Capacities Not Offered/Nominated which were mostly attributable to resource constraints and subject to further validation with the Enforcement and Compliance Office of PEMC.

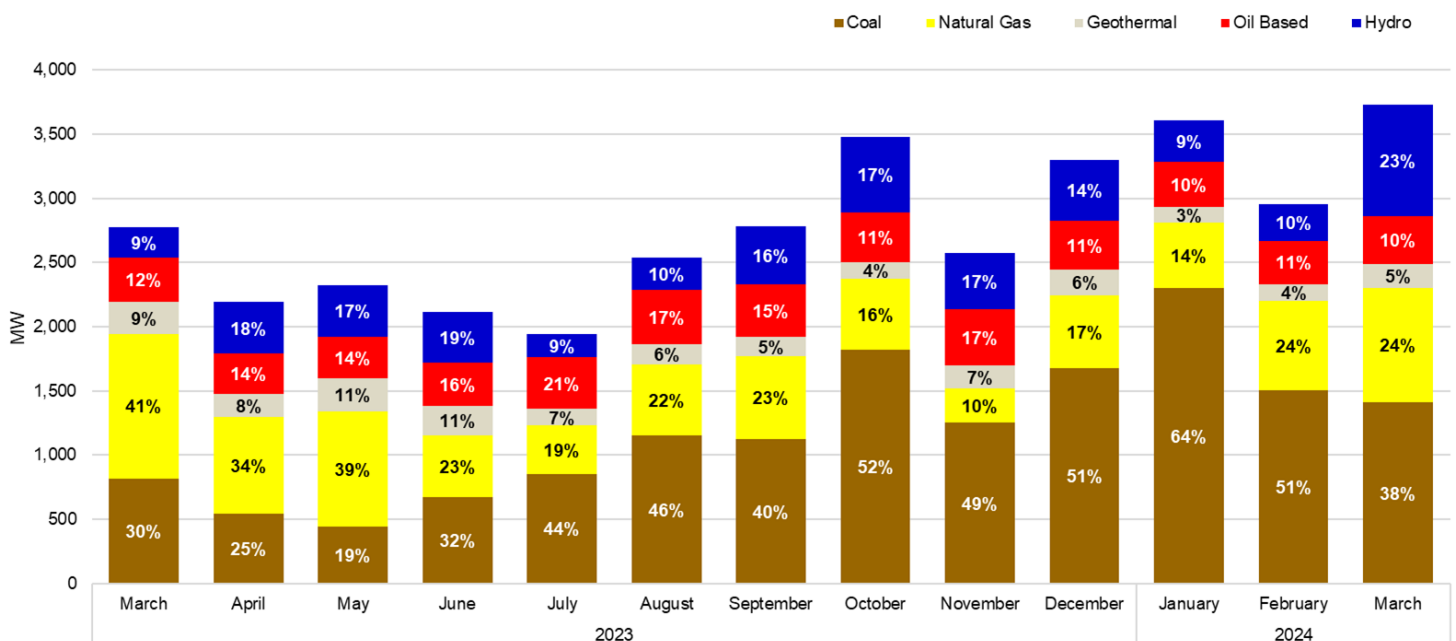
MARKET OUTCOME

CAPACITY ON OUTAGE

CAPACITY ON OUTAGE BY CATEGORY

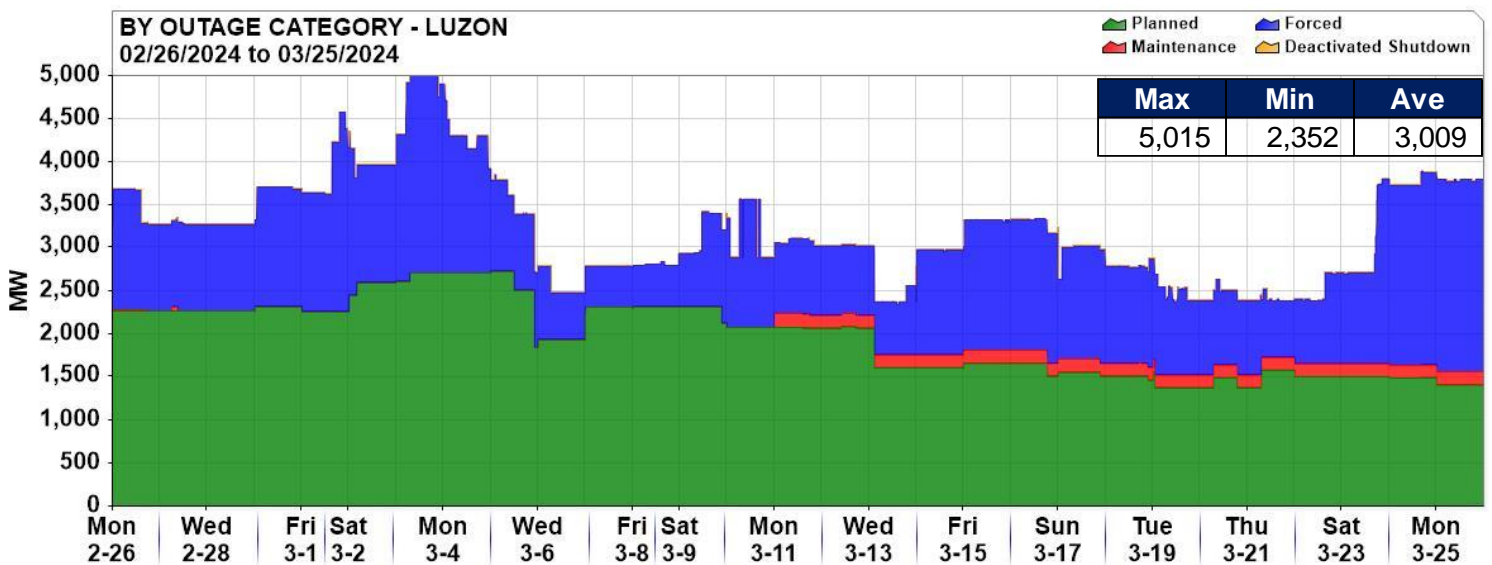
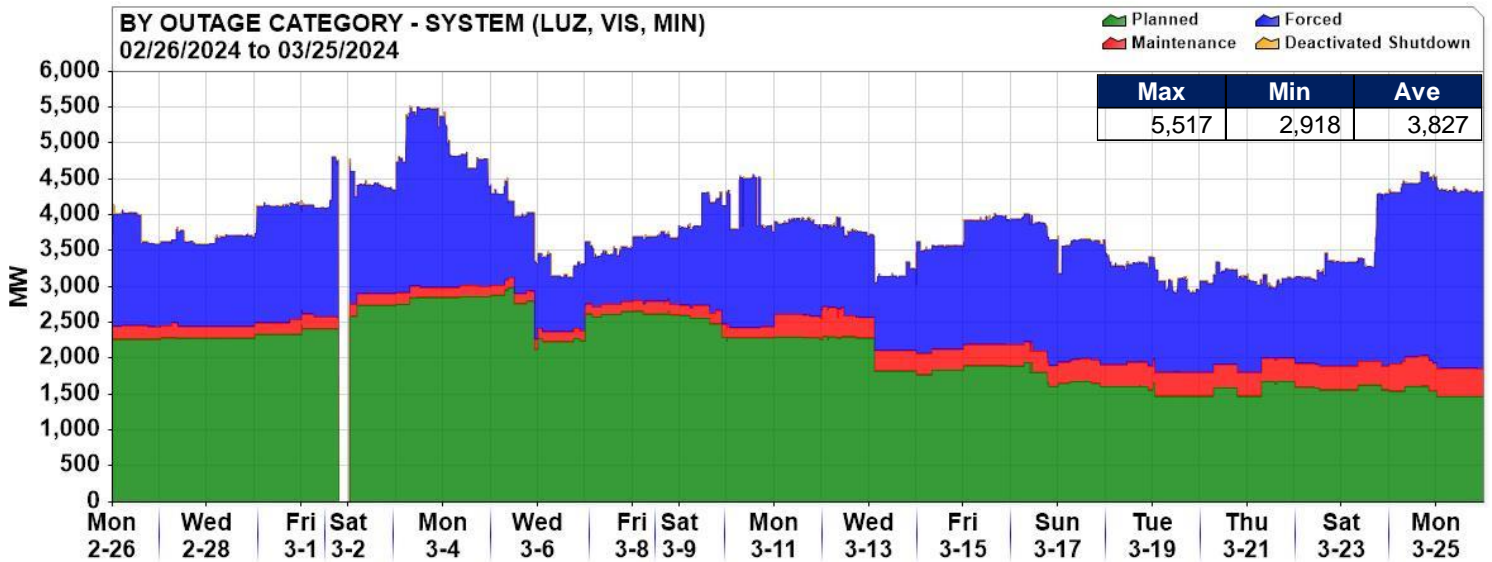


CAPACITY ON OUTAGE BY PLANT TYPE



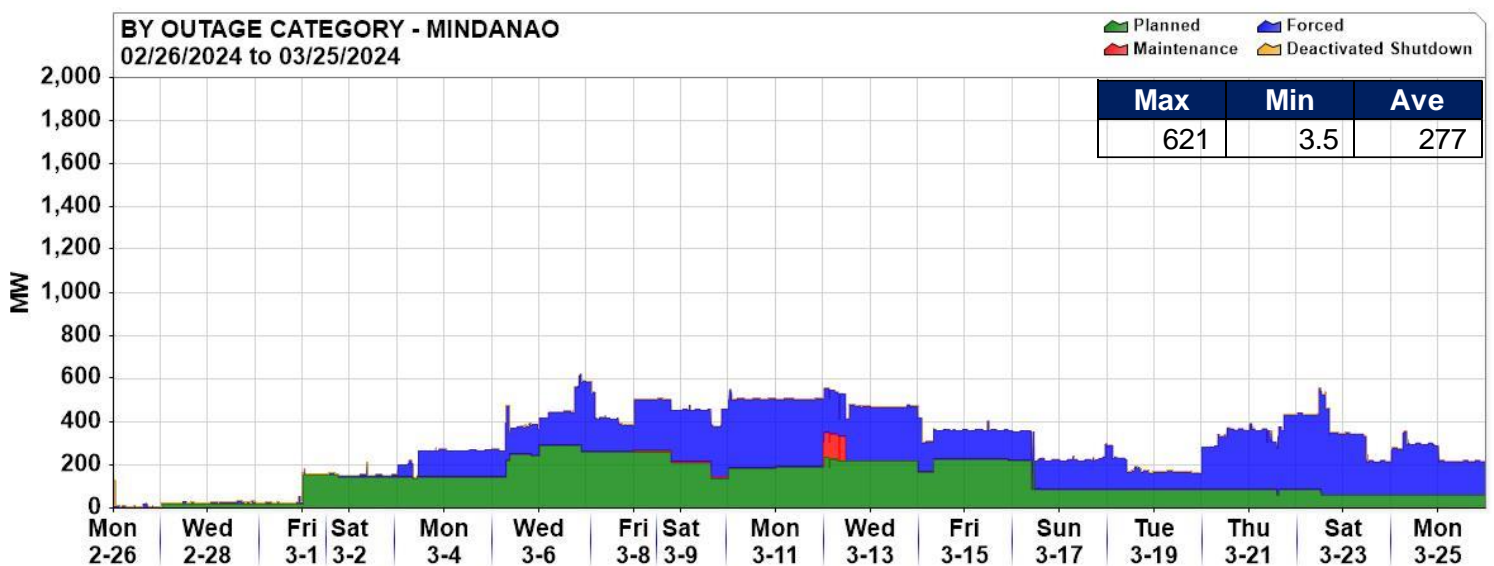
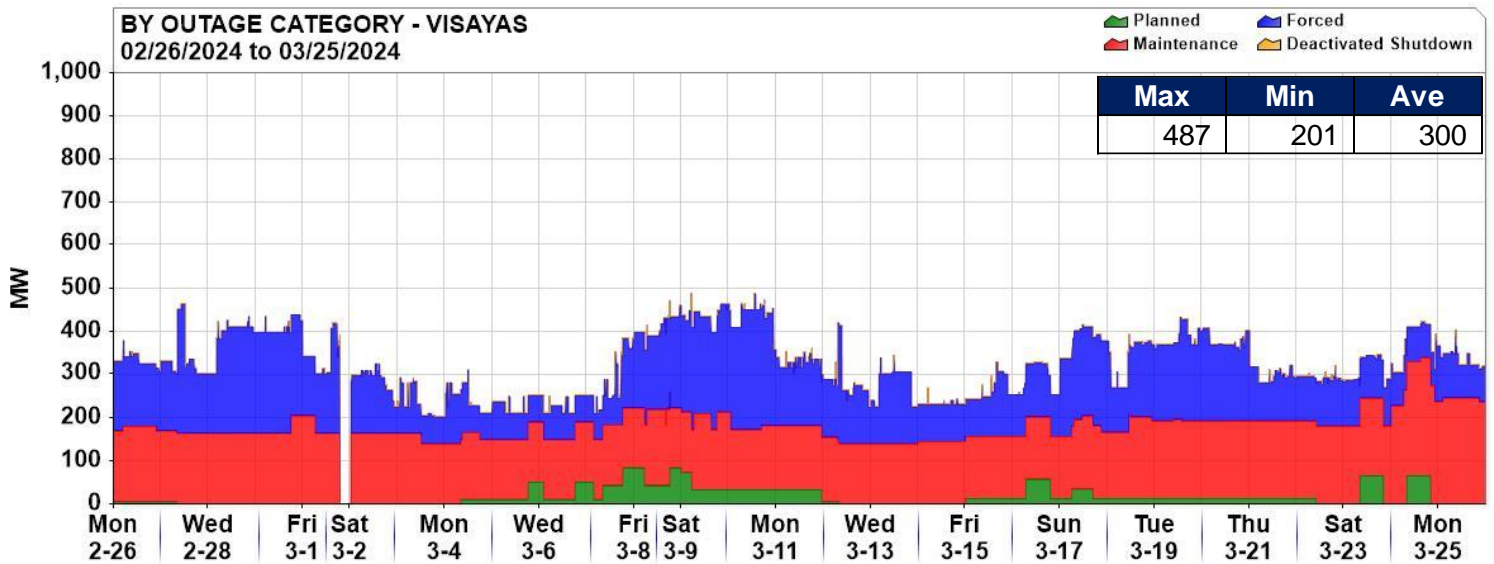
MARKET OUTCOME

CAPACITY ON OUTAGE



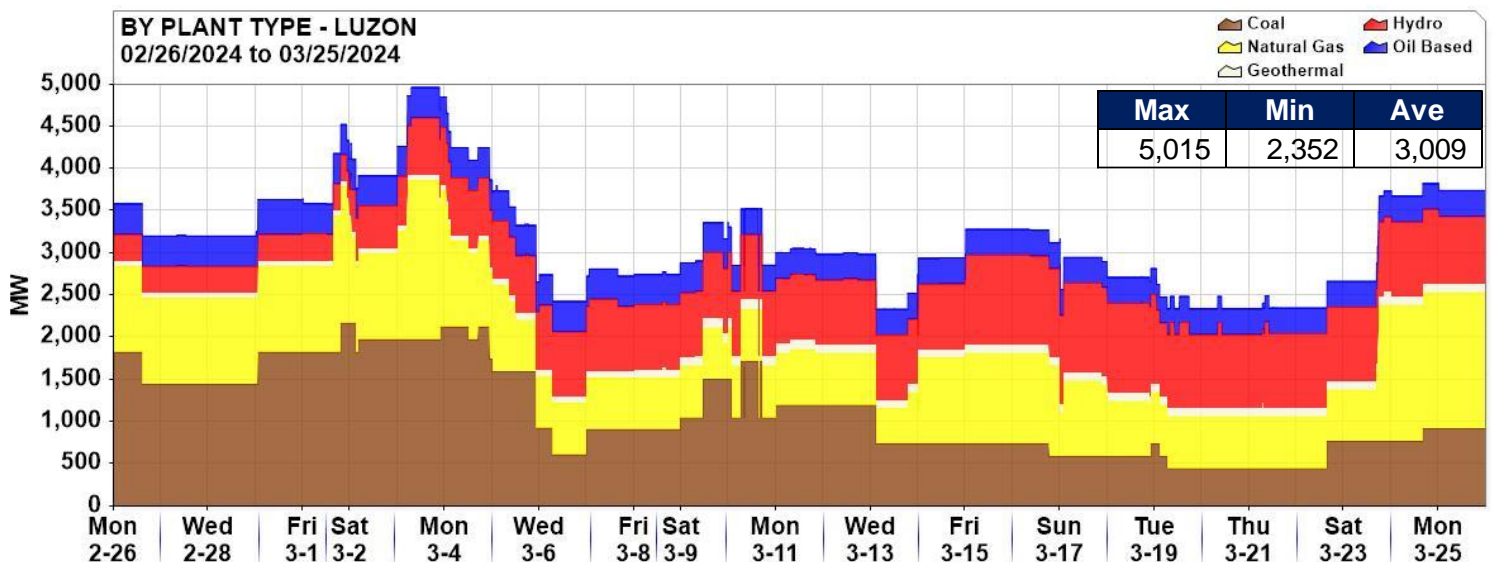
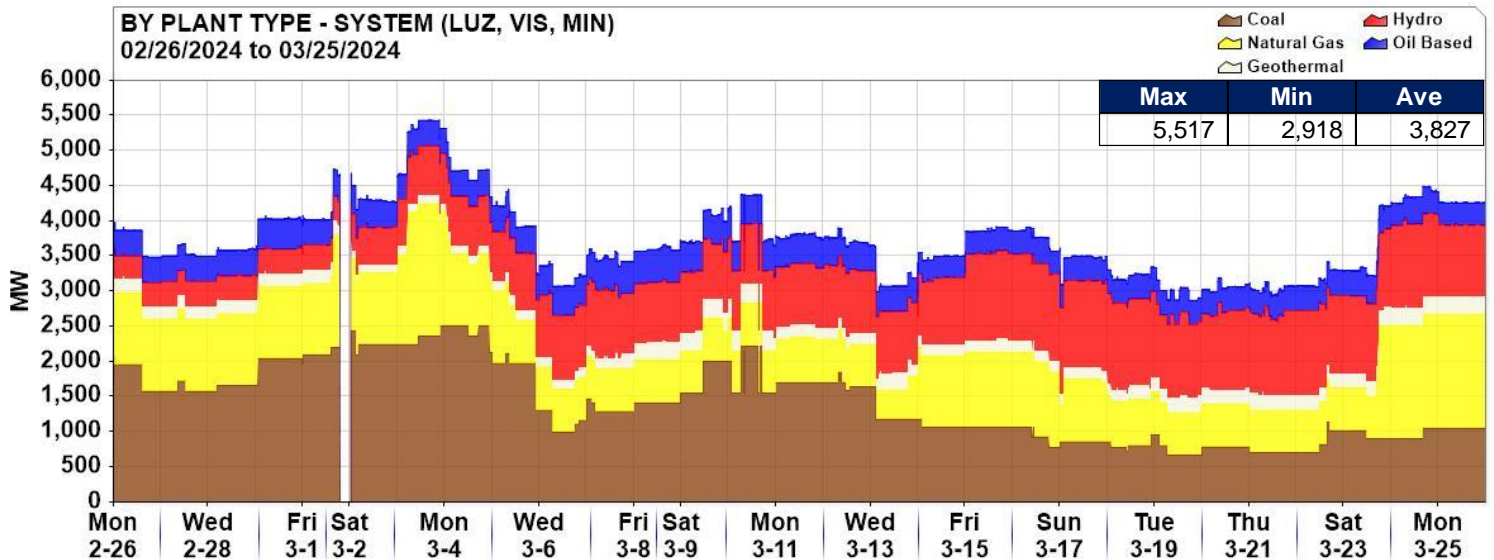
MARKET OUTCOME

CAPACITY ON OUTAGE



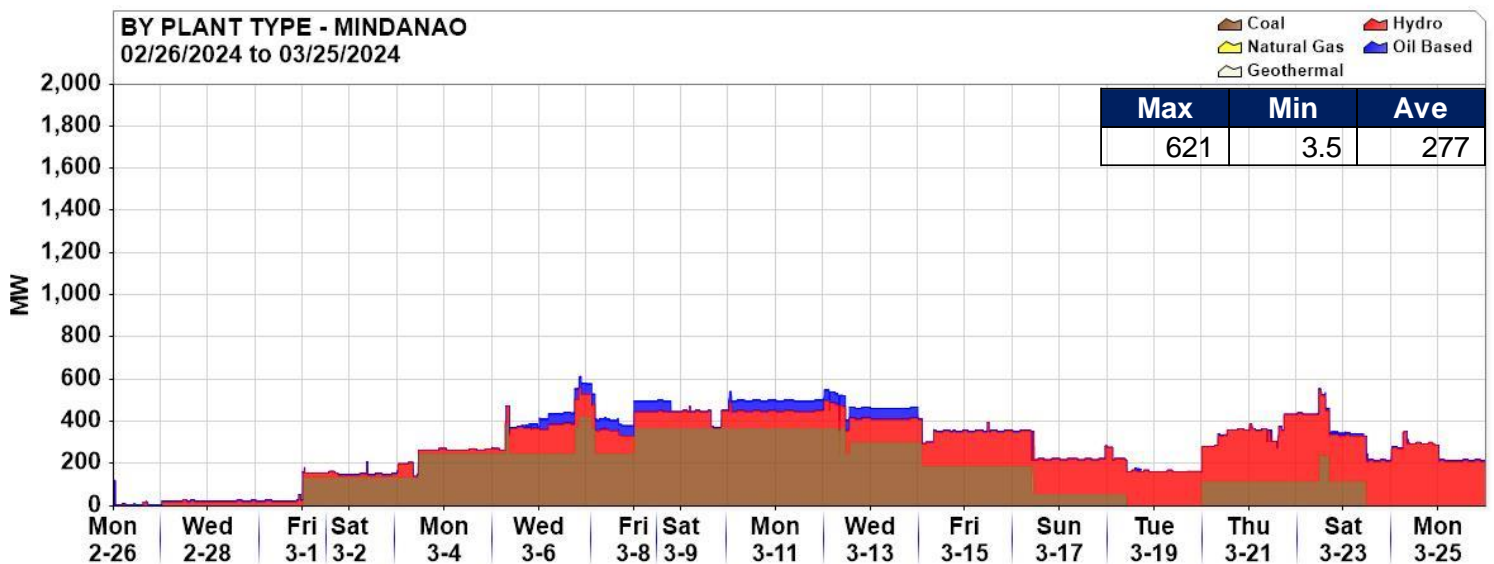
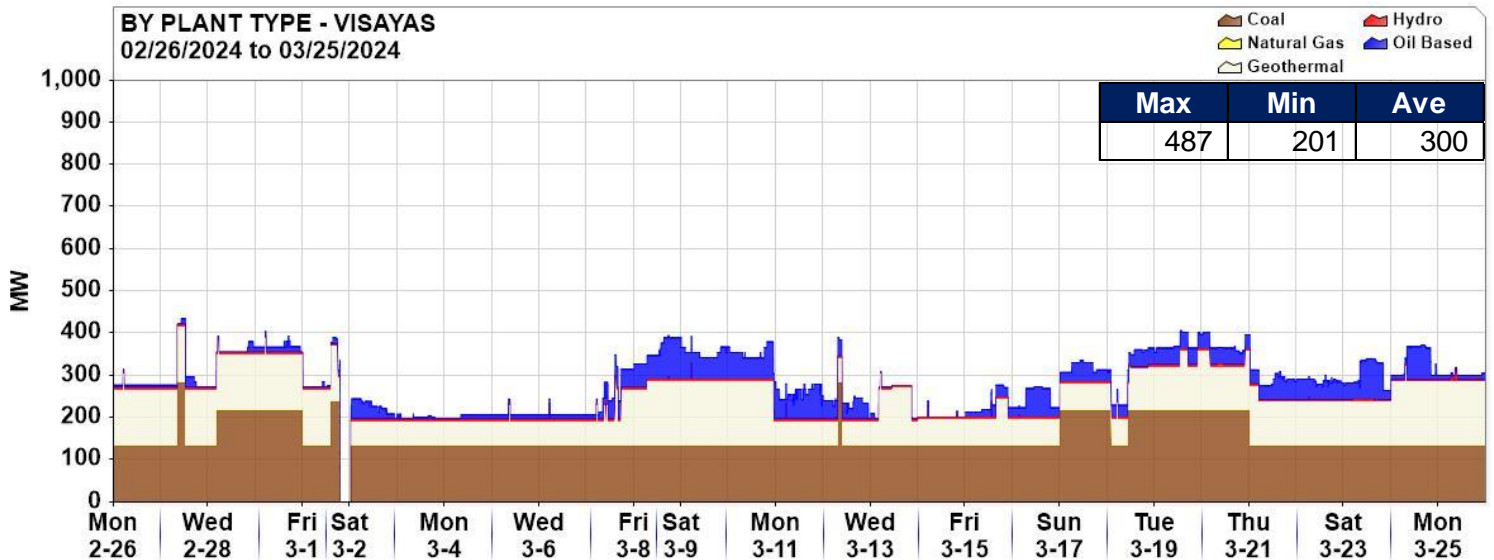
MARKET OUTCOME

CAPACITY ON OUTAGE



MARKET OUTCOME

CAPACITY ON OUTAGE

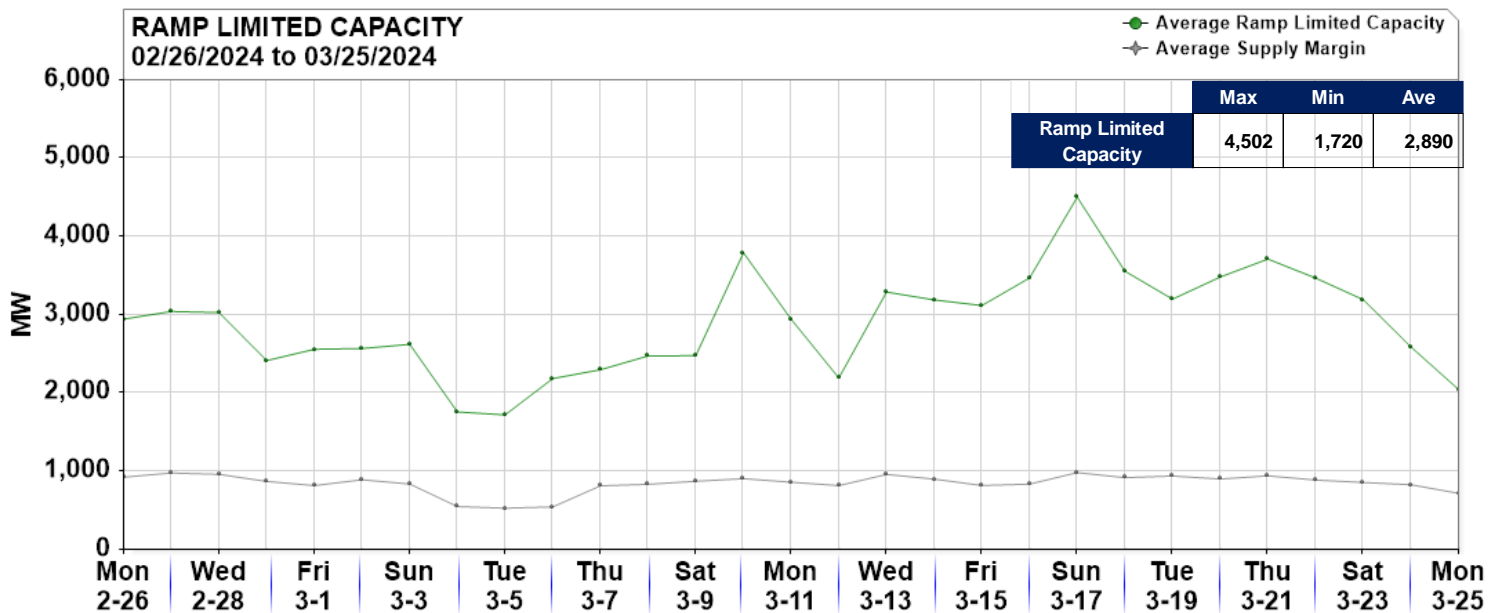


Although most of the plants that were on outage were from Coal and Natural Gas power plants, it was noted that Hydro power plants posted with the significant increase in terms of capacities on outage due to the observance of relatively hotter temperature brought about by the El Niño where the higher heat index affected power plants equipment on top of the noted reduction in the water availability of Hydro power plants.

MARKET OUTCOME

GENERATOR RAMPING

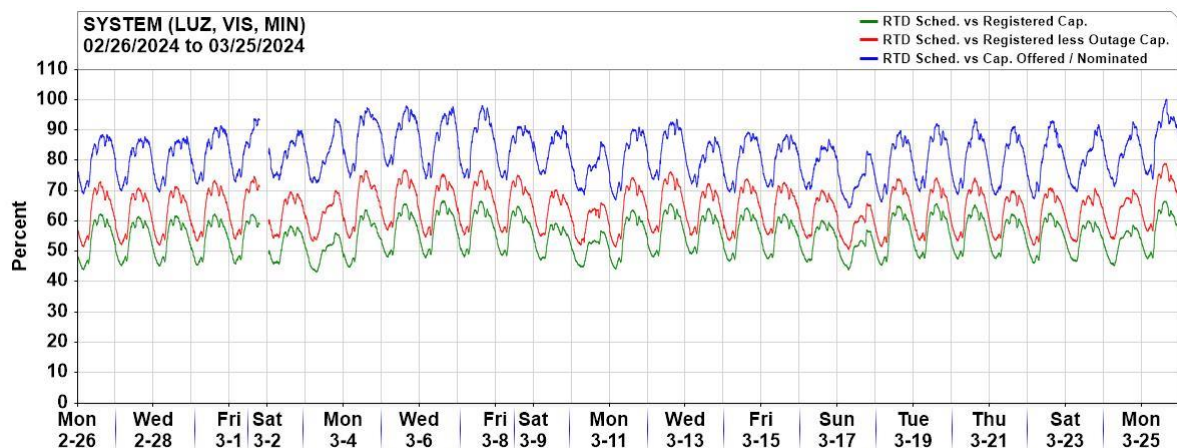
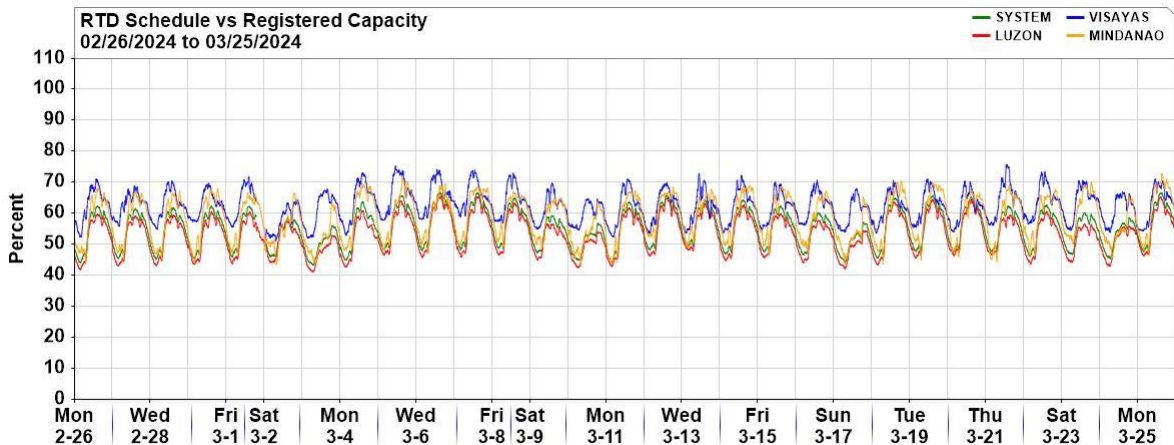
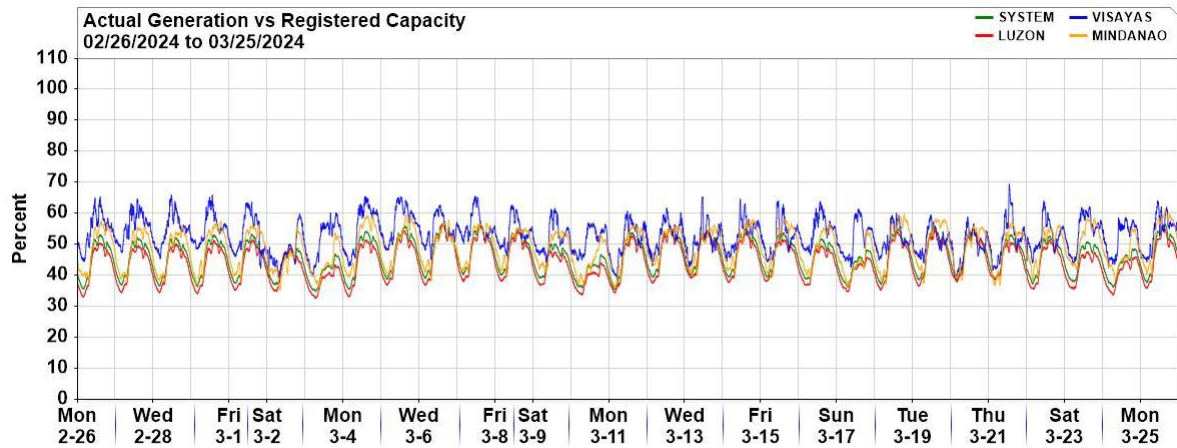
RAMP LIMITED CAPACITY



The average Ramp Limited capacity was observed to have decreased by an average of 19%, from an average of 3,554 MW last month despite the relatively lower level of capacities on outage during the period.

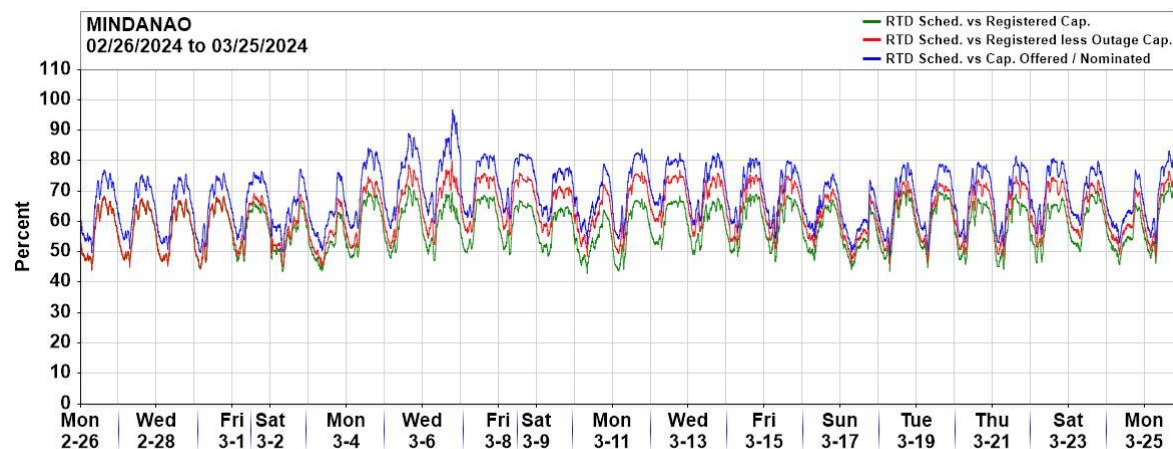
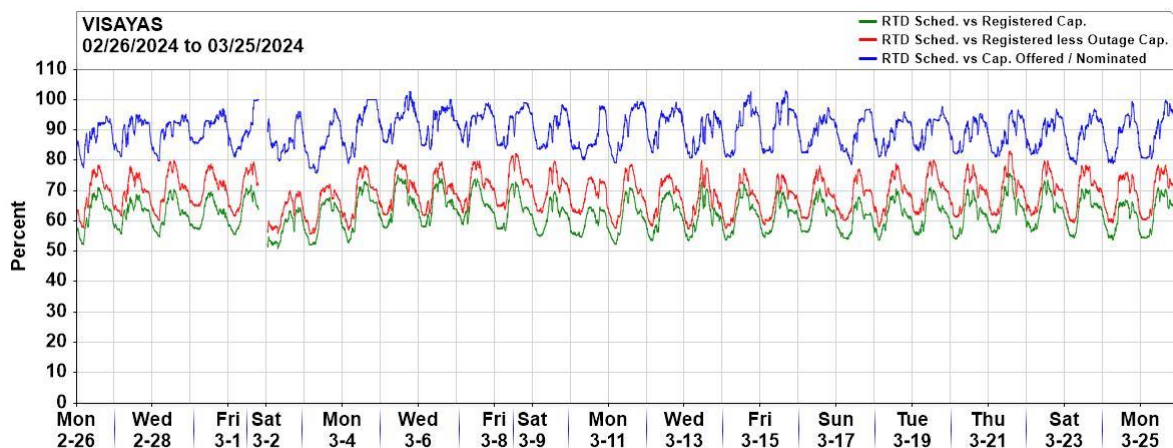
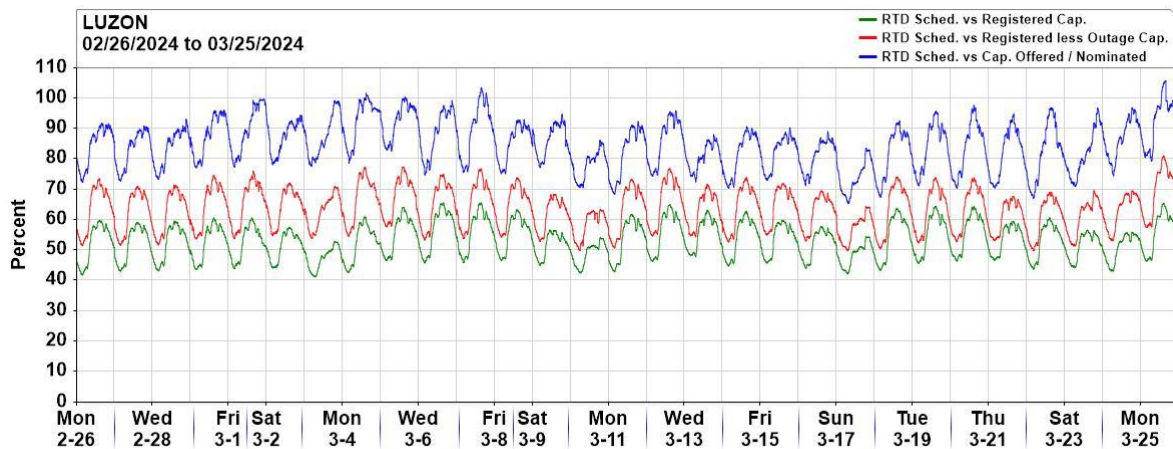
MARKET OUTCOME

CAPACITY FACTOR



MARKET OUTCOME

CAPACITY FACTOR



The capacity factors (Actual Generation vs Registered Capacity) for the system and each region were recorded only at an average of 46.1%. While Luzon and Visayas were highly affected by the capacities on outage and unavailability of the generators, the low-capacity factor in Mindanao resulted from the ample, if not, oversupply in the region, notwithstanding the region's export to Visayas.

Capacity Factors above 100% utilization rate in terms of RTD schedule vs Capacity Offered/Nominated were mainly due to the dispatch of plants under commissioning test which do not submit offers to the market but were nevertheless given RTD schedules via overriding constraints imposed by SO.

MARKET OUTCOME

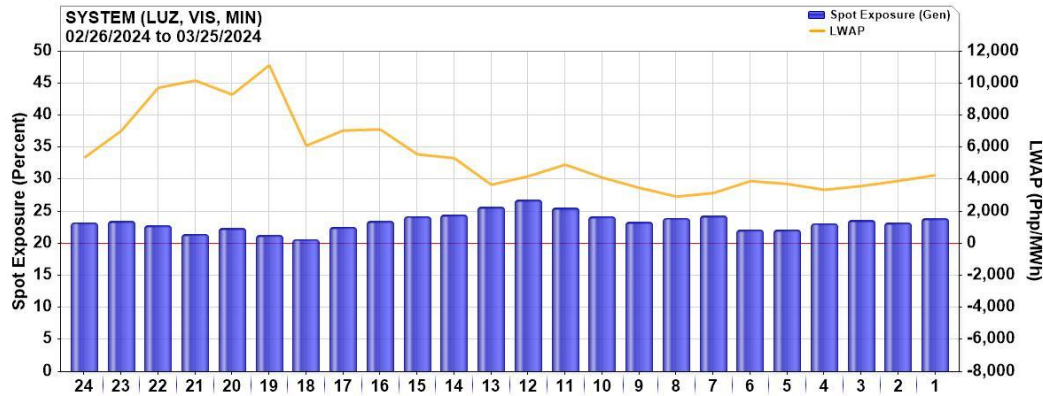
REGISTERED CAPACITY

Plant Type	February 2024				March 2024			
	System	Luzon	Visayas	Mindanao	System	Luzon	Visayas	Mindanao
	Capacity (MW)				Capacity (MW)			
BAT	495	315	100	80	485	305	100	80
BIOF	425	182	191	52	426	183	191	52
COAL	12,378	8,787	1,326	2,266	12,382	8,787	1,330	2,266
GEO	1,738	783	850	105	1,738	783	850	105
HYD	3,739	2,571	53	1,115	3,742	2,574	53	1,115
NATG	3,286	3,286			3,286	3,286		
OIL	2,825	1,741	433	651	2,824	1,741	433	651
SOLR	2,008	1,533	408	67	2,129	1,654	407	67
WIND	507	416	91		557	466	91	
TOTAL	27,398	19,611	3,452	4,335	27,567	19,777	3,455	4,335

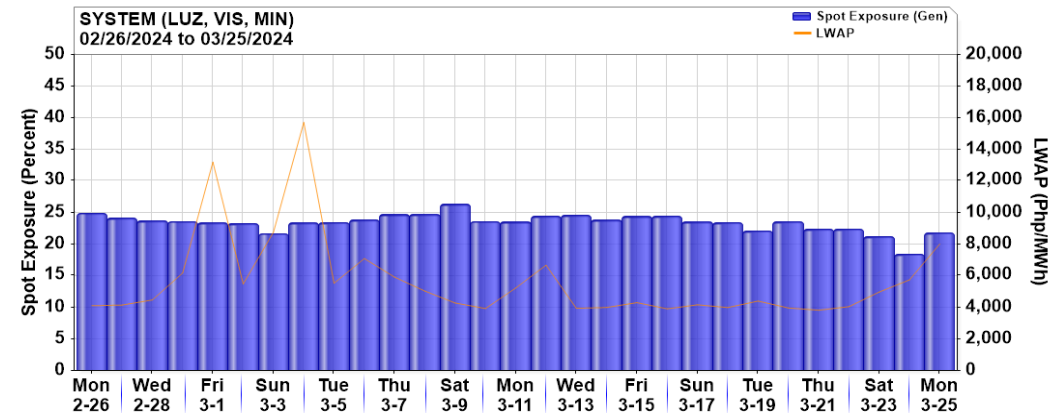
MARKET OUTCOME

SPOT EXPOSURE

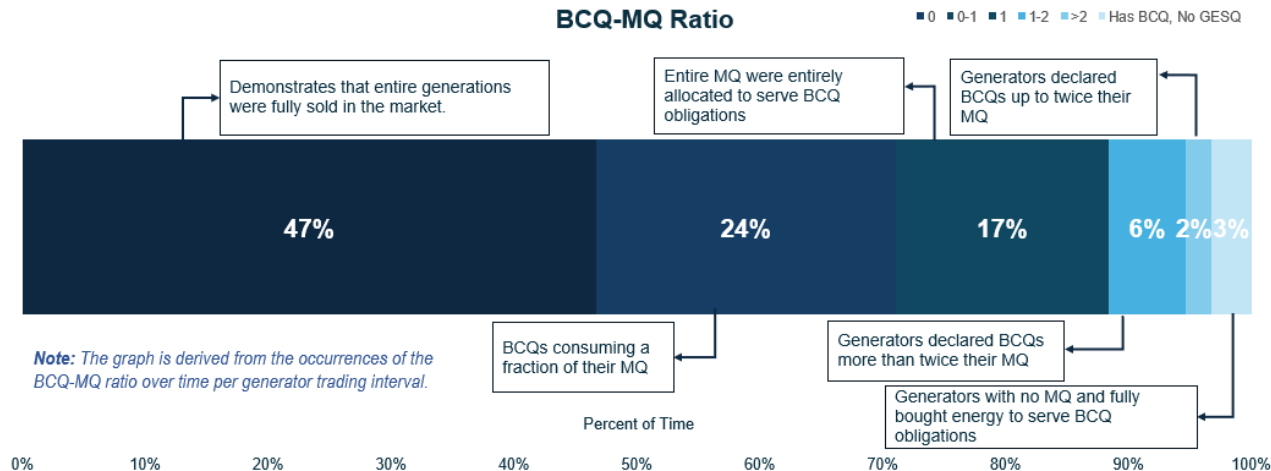
HOURLY SPOT



DAILY SPOT



BCQ-MQ Ratio

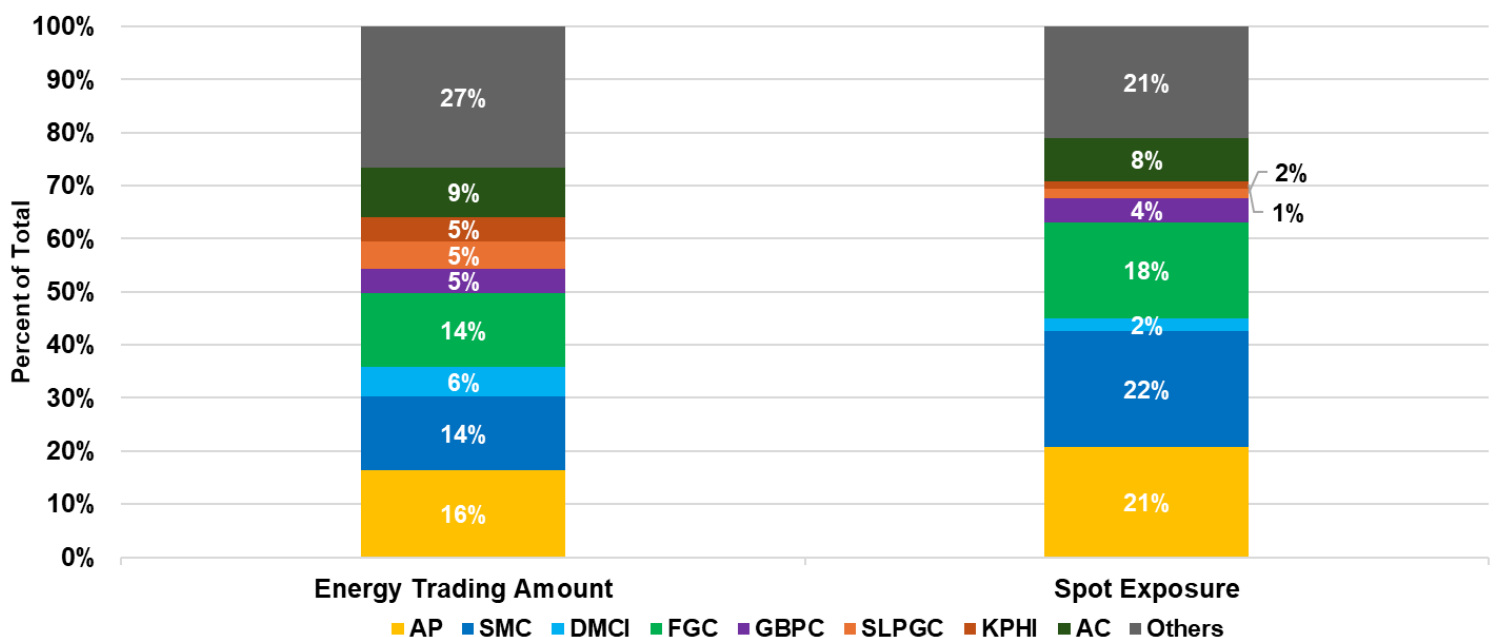
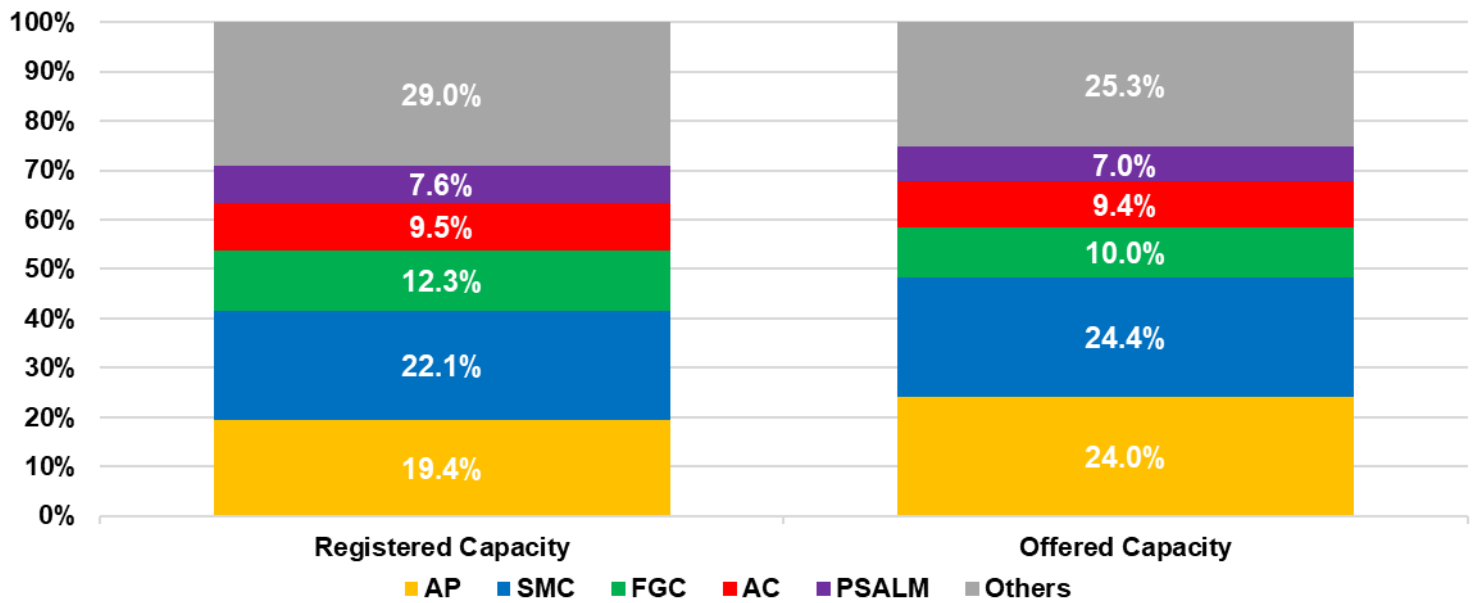


Total spot quantities of generator participants in the March 2024 billing period were at an average of 23.1% with an average price of PHP4,273/MWh during off-peak hours while during peak hours, the average exposure was at 23.7% with an average price of PHP6,896/MWh. In addition, spot exposures during weekends was observed to be higher than weekdays, posting averaged exposure of 23.5% with an average price of PHP3,547/MWh while it was at an average of 22.8% during weekdays with an average price of PHP5,189/MWh.

MARKET OUTCOME

STRUCTURAL COMPETITION

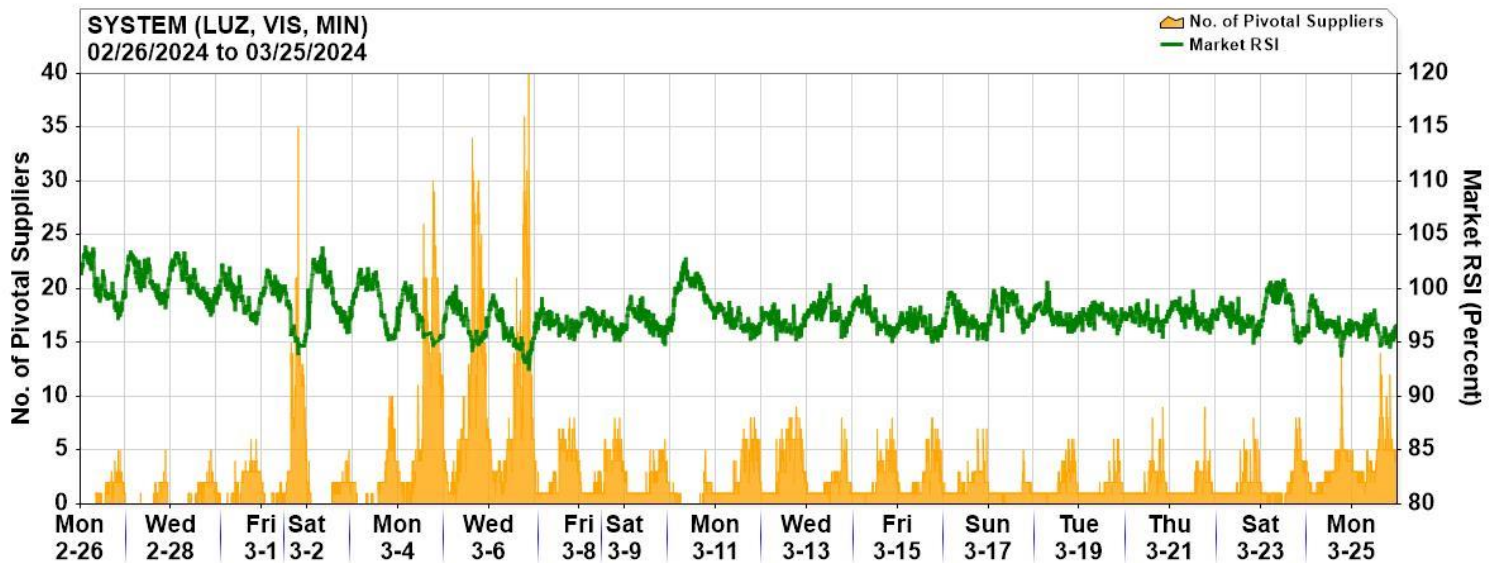
SYSTEM MARKET SHARES



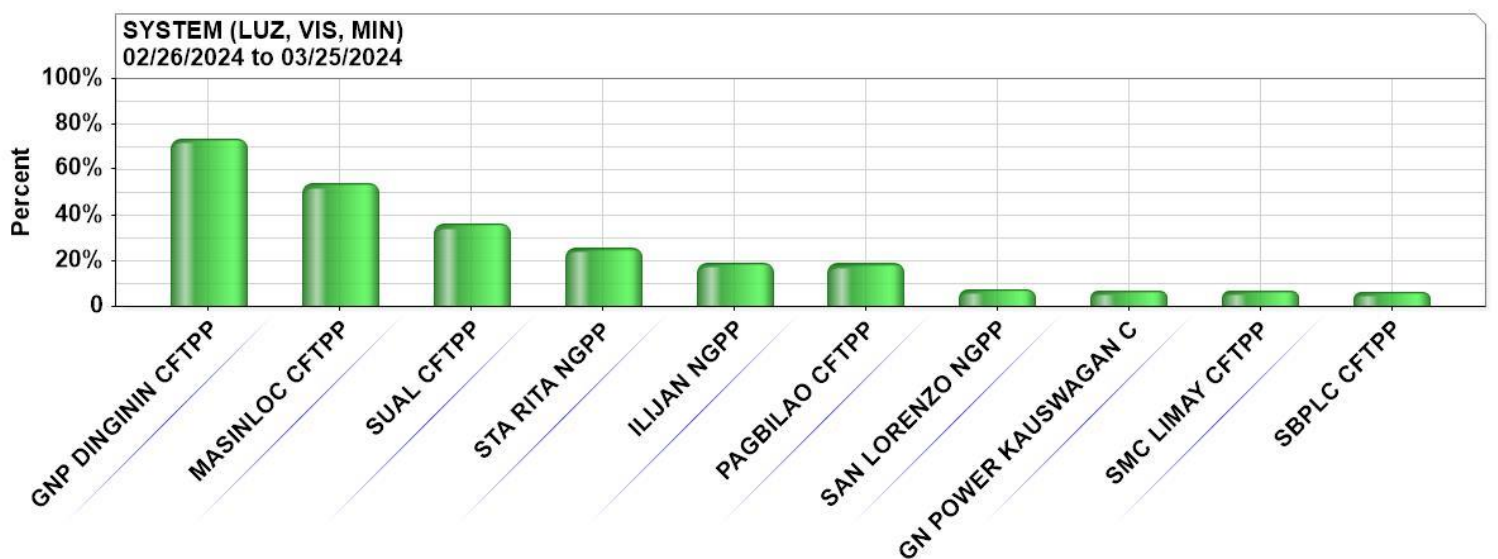
MARKET OUTCOME

STRUCTURAL COMPETITION

SYSTEM RSI



SYSTEM PIVOTAL SUPPLIERS

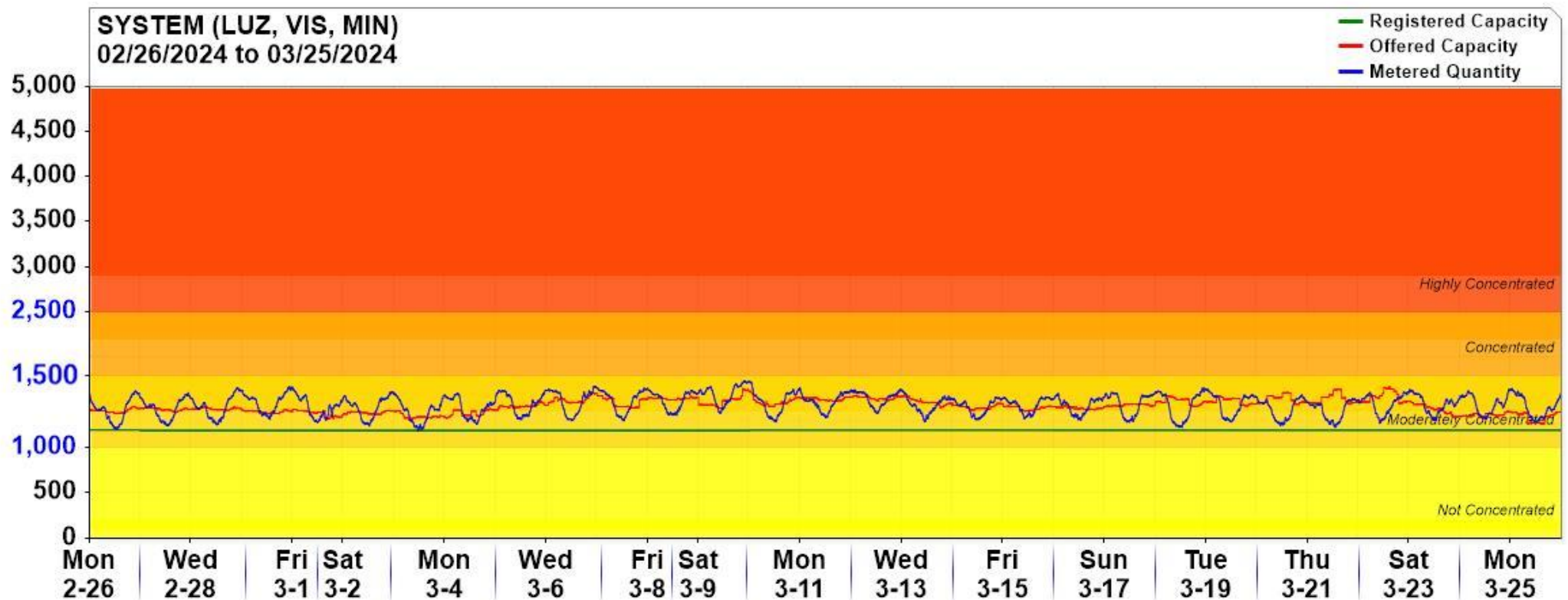


The market Residual Supply Index (RSI) was below the 100% mark for about 86.1%, signifying the presence of pivotal plants in Luzon, Visayas, and Mindanao.

MARKET OUTCOME

STRUCTURAL INDICES

SYSTEM HHI

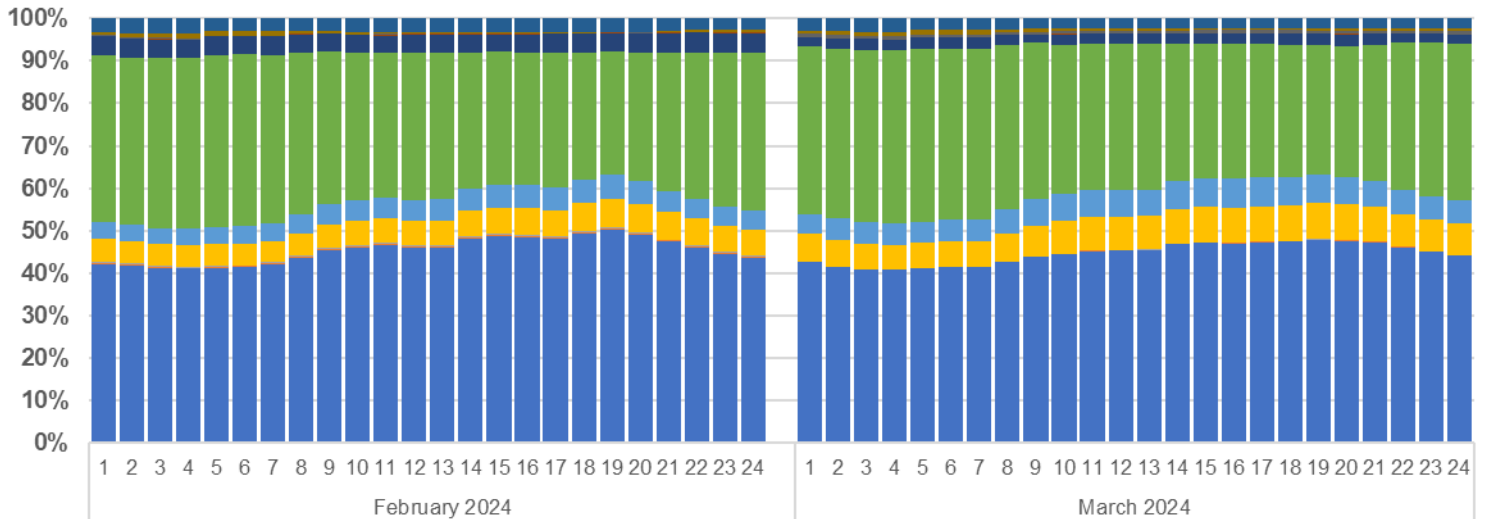


The **Herfindahl-Hirschman Index (HHI)** by major participant grouping for the March 2024 billing period posted a moderately concentrated market for all measures (Registered Capacity, Offered Capacity and Actual Generation).

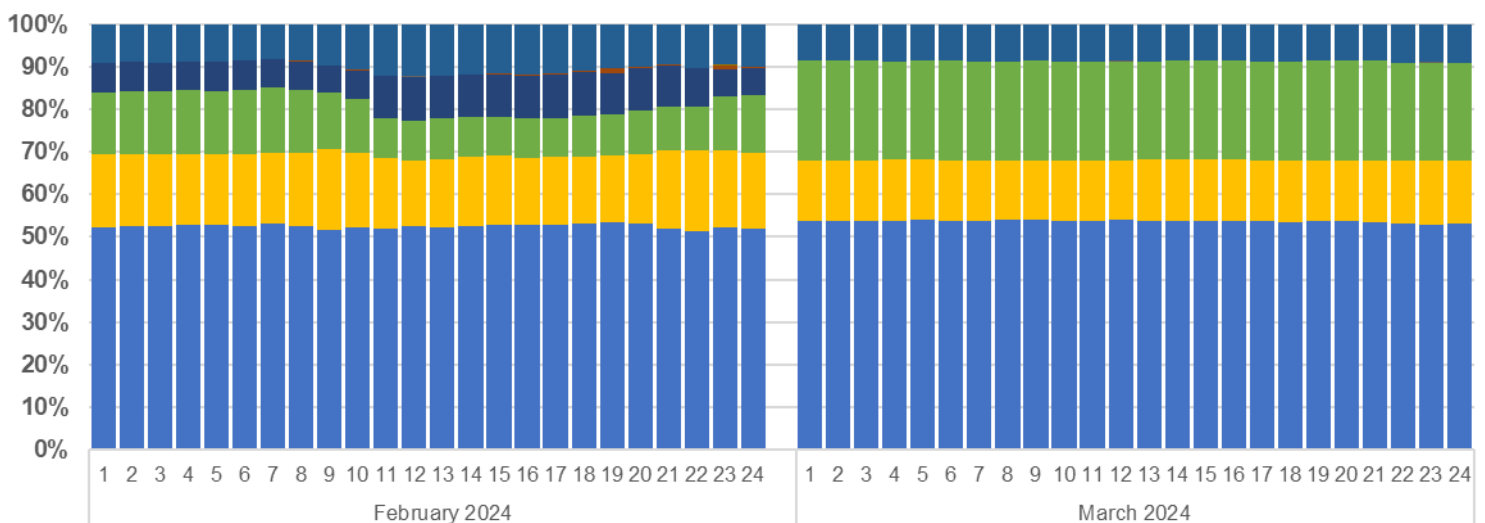
MARKET OUTCOME

BEHAVIORAL INDICES

Coal



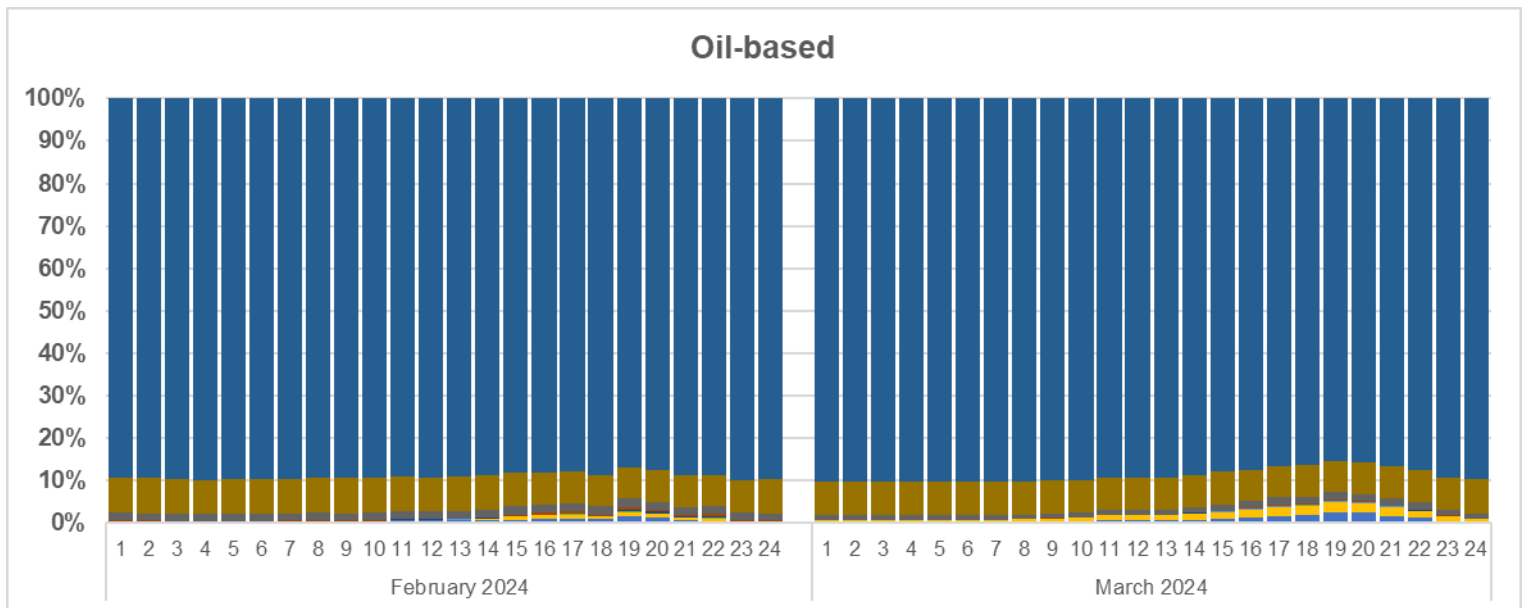
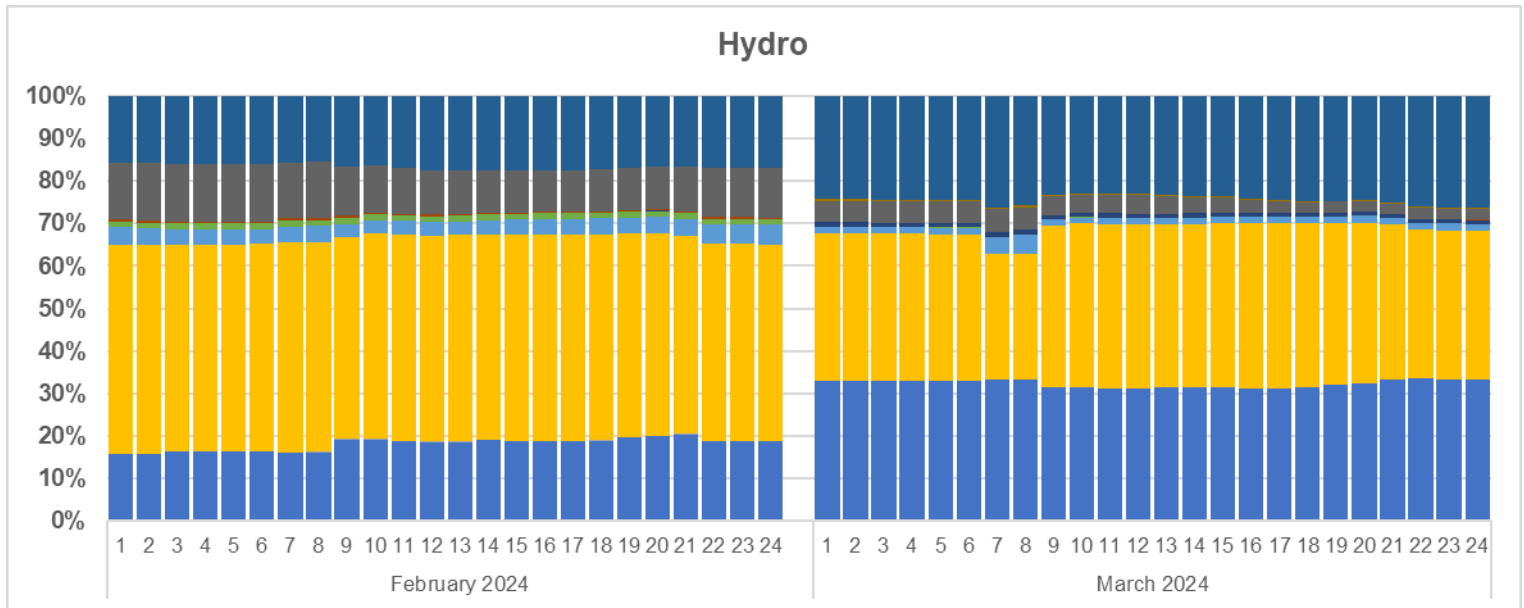
Natural Gas



■ -10,000 to -7,500 ■ -7,500 to -5,000 ■ -5,000 to -2,500 ■ -2,500 to 0 ■ 0 to 2,500 ■ 2,500 to 5,000
■ 5,000 to 7,500 ■ 7,500 to 10,000 ■ 10,000 to 12,500 ■ 12,500 to 15,000 ■ 15,000 above

MARKET OUTCOME

BEHAVIORAL INDICES



■ -10,000 to -7,500 ■ -7,500 to -5,000 ■ -5,000 to -2,500 ■ -2,500 to 0 ■ 0 to 2,500 ■ 2,500 to 5,000
■ 5,000 to 7,500 ■ 7,500 to 10,000 ■ 10,000 to 12,500 ■ 12,500 to 15,000 ■ 15,000 above

Natural Gas and Hydro power plants posted the highest increase in offered prices, which contributed to the increase in the market prices during the period.

ANNEX

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Luzon							
BAT	ALAMINOS BAT2	20	02/19/2024 0:09	02/29/2024 19:25	11	Forced Outage	Declared unavailable due to internal failure at incomer.
BAT	ALAMINOS BAT1	20	02/18/2024 9:30			Forced Outage	Unit problem on investigation.
BIOF	Hypergreen	10	03/23/2024 18:13			Forced Outage	Emergency shutdown due to oil leak at motor conveyor chain
BIOF	CLEANG 1	10.8	02/13/2024 0:00			Forced Outage	Unplanned shutdown due to insufficient fuel.
BIOF	Hypergreen	10	03/15/2024 23:16	03/19/2024 8:57	3	Forced Outage	Fuel feeding system trouble.
BIOF	GIFT 2	6	03/15/2024 0:03			Planned Outage	Planned outage until April 15 2024.
BIOF	G2REC	10.8	03/06/2024 17:41	03/09/2024 7:03	3	Forced Outage	Unplanned outage due to leak at waterwalls.
BIOF	CBEC	13.5	03/05/2024 0:01	03/08/2024 0:00	3	Planned Outage	Planned outage until March 20 2024.
BIOF	CBEC	13.5	03/05/2024 0:01			Planned Outage	Planned Outage.
BIOF	VS Gripal	5.4	01/24/2024 19:01			Forced Outage	Emergency shutdown due to air pre-heater repair.
BIOF	Hypergreen	10	01/15/2024 18:00	02/26/2024 11:50	42	Forced Outage	Tripped due to malfunction of AVR.
BIOF	GIFT	12	02/20/2024 0:00			Planned Outage	Annual Preventive Maintenance until March 22 2024.
BIOF	CBEC	13.5	02/18/2024 21:44			Forced Outage	Generator exciter diode failure.
COAL	GMEC Power 1	316	03/22/2024 15:15			Forced Outage	Emergency shutdown due to boiler tube leak
COAL	MPGC U2	150	03/10/2024 23:46			Maintenance Outage	Post Test & Commissioning Shutdown
COAL	Petron Unit 1	140	03/08/2024 23:15	03/19/2024 6:16	10	Forced Outage	Unplanned outage due to high vibration on Induced Draft Fan(IDF) bearing.
COAL	Calaca 2	300	03/06/2024 23:51			Planned Outage	Planned outage until May 23 2024.
COAL	Calaca 2	300	03/06/2024 23:51			Planned Outage	Planned Outage
COAL	GNP Dinginin 2	668	02/16/2024 0:07	03/05/2024 22:10	19	Planned Outage	Planned outage until March 6 2024. (Early synchronization)
COAL	SMC 4	150	03/02/2024 4:01	03/16/2024 18:19	15	Planned Outage	Planned Outage until March 23 2024
COAL	Pagbilao 1	382	02/29/2024 1:04	03/04/2024 22:37	5	Forced Outage	Emergency shutdown due to boiler tube leak.
COAL	QPPL	460	02/13/2024 0:00	03/13/2024 2:16	29	Planned Outage	Planned Outage until March 13 2024.
COAL	MPGC 3	150	02/15/2024 9:04	03/09/2024 11:00	23	Planned Outage	Conducted 25% (38MW) Load Rejection Test
COAL	GNP Dinginin 2	668	02/16/2024 0:07			Planned Outage	Planned outage until March 6 2024.
COAL	GMEC Power 1	316	02/20/2024 6:56	03/06/2024 6:36	15	Forced Outage	Tripped due to metal high temperature of turbine bearing no. 4
GEO	Makban 7	20	03/09/2024 7:05	03/11/2024 20:06	3	Forced Outage	Affected by the shutdown of Makban B-Makban D 230kV Tie Line.
GEO	Bacman 3	20	03/08/2024 0:02			Planned Outage	Planned outage until March 31 2024.
GEO	Makban 8	20	03/05/2024 0:00			Planned Outage	Planned Outage until March 27 2024.
GEO	Makban 8	20	03/05/2024 0:00			Planned Outage	Planned Outage until March 7 2024.
GEO	Tiwi 1	60	11/30/2021 18:32			Forced Outage	Steam supply diverted to Unit 2.
HYD	Bakun 2	37	03/22/2024 0:00			Forced Outage	Insufficient water supply.
HYD	Bakun 1	37	03/22/2024 0:00			Forced Outage	Insufficient water supply.
HYD	Maris 2	4.25	03/21/2024 7:01			Planned Outage	Planned Outage until April 4 2024.
HYD	Maris 1	4.25	03/21/2024 7:01			Planned Outage	Planned Outage until April 4 2024.
HYD	Magat 2	97	03/21/2024 7:01			Planned Outage	Planned outage until April 21 2024.
HYD	Magat 1	97	03/21/2024 7:01			Planned Outage	Planned outage until April 14 2024.
HYD	Magat 3	97	03/19/2024 0:01			Planned Outage	Planned outage until April 17 2024.
HYD	Magat 3	97	03/15/2024 0:00	03/19/2024 0:00	4	Forced Outage	Due to suspension of IDR by NIA.
HYD	Magat 2	97	03/15/2024 0:00	03/21/2024 7:00	6	Forced Outage	Due to suspension of IDR by NIA.
HYD	Magat 1	97	03/15/2024 0:00	03/21/2024 7:00	6	Forced Outage	Due to suspension of IDR by NIA.
HYD	Maris 2	4.25	03/13/2024 16:34	03/16/2024 9:42	3	Forced Outage	Due to suspension of IDR by NIA.
HYD	NIABAL	6	03/11/2024 8:05			Forced Outage	On shutdown due to low water elevation.
HYD	Casecnan 1	82.5	03/04/2024 0:00	03/24/2024 23:59	21	Planned Outage	Planned outage until March 24 2024.
HYD	Bakun 2	37	03/07/2024 0:00	03/21/2024 23:59	15	Planned Outage	Planned outage until March 21 2024.
HYD	Bakun 1	37	03/07/2024 0:00	03/21/2024 23:59	15	Planned Outage	Planned outage until March 21 2024.
HYD	Casecnan 1	82.5	03/04/2024 0:00			Planned Outage	Planned Outage
HYD	Magat 4	97	03/03/2024 7:03			Planned Outage	Planned Outage until April 4 2024.
HYD	Bakun 2	37	02/28/2024 6:23	03/06/2024 23:59	8	Forced Outage	Low water inflow.
HYD	Bakun 1	37	02/12/2024 14:47	03/06/2024 23:59	23	Forced Outage	Low water inflow.
HYD	AMPHAW 1	12.5	03/01/2024 9:03			Planned Outage	Planned outage until March 31 2024.
HYD	Kalayaan 4	185	03/02/2024 0:00	03/19/2024 0:51	17	Planned Outage	Planned Outage until April 04 2024.
HYD	NIABAL	6	02/02/2024 6:39	03/01/2024 12:06	28	Forced Outage	Unplanned outage due to generator upper bearing oli leakage.
HYD	SLANGN 1	2.4	12/11/2023 19:57			Forced Outage	Unplanned outage due to insufficient water supply.

ANNEX

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Luzon							
HYD	NMHC 3	1.2	02/16/2024 0:00			Forced Outage	Insufficient water supply.
HYD	NMHC	3.9	12/03/2023 0:01			Forced Outage	Insufficient water supply.
HYD	Kalayaan 3	184.6	02/16/2024 0:00			Planned Outage	Planned outage until May 5 2024.
HYD	BINENG 1	19.8	12/23/2023 17:07			Forced Outage	Outage due to low water supply
HYD	Angat M 4	50	02/14/2022 0:00			Planned Outage	Planned outage.
HYD	Angat M 3	50	11/02/2021 8:15			Forced Outage	Draw-out of Main Unit 3 generator breaker.
HYD	Angat A 2	6	11/06/2023 8:01			Planned Outage	Total Plant shutdown (Planned Outage)
NATG	Ilijan A2	190	03/23/2024 17:38			Forced Outage	Fuel gas supply interruption.
NATG	Ilijan A3	220	03/23/2024 17:27			Forced Outage	Fuel gas supply interruption.
NATG	Ilijan A1	190	03/23/2024 17:16			Forced Outage	Fuel gas supply interruption.
NATG	Ilijan B1	190	03/23/2024 16:48	03/26/2024 6:12	3	Forced Outage	Fuel gas supply interruption.
NATG	Ilijan B3	220	03/23/2024 16:25	03/26/2024 7:56	3	Forced Outage	Fuel gas supply interruption.
NATG	Avion 1	47.2	03/15/2024 0:04	03/17/2024 21:00	3	Planned Outage	Planned outage until March 19 2024.
NATG	Ilijan B1	190	03/13/2024 23:58			Forced Outage	Gas restrictions.
NATG	Ilijan B3	220	03/13/2024 23:41	03/17/2024 1:45	3	Forced Outage	Gas restriction
NATG	Ilijan B2	190	03/13/2024 18:38			Forced Outage	Gas restriction
NATG	Ilijan B2	190	03/09/2024 23:27	03/13/2024 2:32	3	Forced Outage	Gas Restriction
NATG	San Gabriel	420	02/21/2024 23:34			Planned Outage	Planned Outage until March 31 2024.
NATG	Ilijan A3	220	02/23/2024 23:07	03/05/2024 11:46	11	Planned Outage	Planned Outage until March 7 2024.
NATG	Ilijan A2	190	02/16/2024 1:25	03/05/2024 8:05	18	Forced Outage	Due to gas supply restriction.
NATG	Ilijan A1	190	02/23/2024 22:41	03/09/2024 21:04	15	Planned Outage	Planned Outage until March 9 2024.
OIL	TMO Unit 4	52	02/29/2024 0:14	03/09/2024 23:38	10	Planned Outage	Annual Electrical PMS Feb 29 - March 9 2024
OIL	TMO Unit 3	55.2	02/21/2024 0:00	03/01/2024 0:05	9	Planned Outage	PMS until February 29 2024.
OIL	Republic 1	5.5	12/06/2023 9:02			Forced Outage	Declared unavailable due to water leak at turbo charger
OIL	Malaya 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
Visayas							
BIOF	South Negros	25	03/09/2024 3:49	03/18/2024 11:02	9	Forced Outage	Auto tripped due to Steam turbine generator cooling system problem.
BIOF	NTNEGB 1	25	03/08/2024 22:46	03/11/2024 18:10	3	Forced Outage	Offline due to corrective maintenance.
BIOF	VMC	2.5	03/13/2022 9:38			Maintenance Outage	Offline weekly maintenance.
BIOF	South Negros	25	02/14/2024 21:54	03/03/2024 11:53	18	Maintenance Outage	Maintenance activity
BIOF	NTNEGB 1	25	01/26/2024 23:27	02/26/2024 12:45	31	Forced Outage	Insufficient fuel supply (bagasse).
BIOF	HPCO 1	2	11/12/2023 20:00			Maintenance Outage	Offline due to weekly maintenance.
COAL	CEDC 2	82	03/18/2024 10:20	03/21/2024 0:16	3	Forced Outage	EMERGENCY CUT-OUT DUE TO BOILER BACK PASS TUBE LEAK
COAL	PALM 1	135	02/18/2024 0:01			Maintenance Outage	Under PMS as per maintenance outage class 1.1.2.2.2
GEO	Nasulo	47.5	03/24/2024 0:04			Maintenance Outage	Offline for minor PMS.
GEO	Mahanagdong A2	5	03/18/2024 20:36			Forced Outage	insufficient steam supply
GEO	Leyte 1	41	03/18/2024 10:52			Maintenance Outage	Scheduled PMS.
GEO	Mahanagdong A1	5	03/11/2024 6:12	03/18/2024 11:34	7	Maintenance Outage	Replacement of MGH Header ETC 3/24/2024
GEO	PGPP2 Unit 1	20	03/08/2024 6:30	03/10/2024 22:55	3	Forced Outage	emergency shutdown due to replacement of LRV motor .
GEO	Malitbog 3	75.06	03/07/2024 17:18	03/10/2024 22:30	3	Forced Outage	Condenser Low Low Level indication
GEO	Upper Mahiao 2	30	02/14/2024 17:32			Forced Outage	Due to activation of main transformer differential relay trip phase A & B.
GEO	Upper Mahiao 1	26.9	11/25/2022 11:07			Forced Outage	Insufficient steam.
GEO	PGPP1 Unit 2	37.5	02/03/2024 0:00			Forced Outage	Forced outage.
GEO	Malitbog 3	75.06	02/21/2024 0:12	03/01/2024 17:31	10	Forced Outage	Maintenance of MSV (ETC FEB 29 2024-0000H)
HYD	THC 1	5	02/21/2024 21:15			Forced Outage	Low forebay level.
OIL	PDPP1 Unit 3	5	03/25/2024 21:10			Forced Outage	AUTO TRIPPED (Exhaust gas leakages)
OIL	PDPP3 C	12	03/21/2024 11:57			Forced Outage	Abnormal sound T/C A bank
OIL	PDPP1 Unit 2	5	03/20/2024 0:01	03/23/2024 18:20	4	Forced Outage	abnormal sound at lube oil pump
OIL	PDPP3 C	12	03/18/2024 13:21	03/20/2024 17:14	2	Forced Outage	abnormal sound at Turbo Charger A-Bank
OIL	TPC Carmen 1	10	03/15/2024 11:41			Forced Outage	UNABLE TO CUT-IN DUE TO UNIT BREAKER AND GENERATOR PROBLEM
OIL	PDPP3 E	12	03/15/2024 0:01	03/22/2024 10:18	7	Planned Outage	To conduct 8000 RH PMS
OIL	PDPP1 Unit 2	5	03/08/2024 12:59	03/11/2024 0:07	2	Forced Outage	Abnormal sound at TC
OIL	PDPP3 C	12	03/08/2024 12:37	03/11/2024 0:07	2	Forced Outage	Unable to start due to HT water leak

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Visayas							
OIL	PDPP3 H	13	03/07/2024 19:24	03/13/2024 16:25	6	Forced Outage	turbo charger surging A bank
OIL	TPVI 6	5.5	03/07/2024 8:01	03/11/2024 23:00	5	Planned Outage	Annual PMS
OIL	TPVI 5	5.5	03/07/2024 8:01	03/11/2024 23:00	5	Planned Outage	Annual PMS
OIL	TPVI 4	5.5	03/07/2024 8:01	03/11/2024 23:00	5	Planned Outage	Annual PMS
OIL	TPVI 3	5.5	03/07/2024 8:01	03/11/2024 23:00	5	Planned Outage	Annual PMS
OIL	TPVI 2	5.5	03/07/2024 8:01	03/11/2024 23:00	5	Planned Outage	Annual PMS
OIL	TPVI 1	5.5	03/07/2024 8:01	03/12/2024 7:50	5	Planned Outage	Annual PMS
OIL	TPC Carmen 3	10	03/04/2024 0:01			Planned Outage	DOE-APMS as per CY2024-2026 GOMP Rev0
OIL	PDPP3 E	12	03/01/2024 18:19	03/03/2024 18:37	2	Forced Outage	Unable to start due to abnormal sound at lube oil pump motor
OIL	PDPP3 G	13	02/28/2024 20:07	03/02/2024 18:55	3	Forced Outage	Fuel leak at supply pipe
OIL	TPVI 3	5.5	02/22/2024 8:00	02/27/2024 8:00	5	Planned Outage	To conduct APMS as per approved CY 2024-2026 GOMP rev.0
Mindanao							
BIOF	14TACUR	6	03/06/2024 0:00			Planned Outage	PMS (GOMP). ETC March 15 2024.
BIOF	14TACUR	6	03/06/2024 0:00			Maintenance Outage	PMS (Non-GOMP). ETC March 15 2024.
BIOF	14TACUR	6	03/06/2024 0:00			Forced Outage	PMS (Non-GOMP). ETC March 15 2024.
COAL	SMF2 U2	118.5	03/19/2024 23:57	03/23/2024 11:11	3	Forced Outage	Unplanned Outage. Emergency shutdown to facilitate repair of electrostatic precipitator. Implemented gradual unloading thru RTD. ETC 03/23/2024 2359.
COAL	FMP U2	135	03/01/2024 0:01	03/16/2024 10:40	15	Planned Outage	PMS (GOMP).
COAL	STE U1	116	03/08/2024 0:00	03/14/2024 1:57	6	Forced Outage	PMS (Non-GOMP).
COAL	MCC U3	55	03/12/2024 12:55	03/18/2024 9:44	6	Forced Outage	Forced Outage. Indication Turbine Trip.
COAL	STE U2	116	03/04/2024 0:01	03/12/2024 11:03	8	Forced Outage	PMS (Non-GOMP).
COAL	STE U2	116	03/04/2024 0:01			Maintenance Outage	PMS (Non-GOMP). ETC March 12 2024.
COAL	STE U1	116	03/08/2024 0:00			Forced Outage	PMS (Non-GOMP). ETC March 15 2024.
COAL	STE U2	116	03/04/2024 0:01			Forced Outage	PMS (Non-GOMP). ETC March 11 2024.
COAL	FMP U2	135	03/01/2024 0:01			Planned Outage	PMS (GOMP). ETC March 21 2024.
COAL	FMP U2	135	03/01/2024 0:01			Planned Outage	PMS (GOMP). ETC March 21 2024 2359H.
COAL	FMP U2	135	03/01/2024 0:01			Planned Outage	PMS (GOMP). ETC March 21 2024 2359H.
HYD	Talomo TL1 U2	0.5	03/23/2024 19:01			Forced Outage	Plant shutdown due to IWS.
HYD	AG4 U3	52.7	03/21/2024 14:26			Forced Outage	Emergency shutdown. OMC - insufficient water supply. (Unplanned Outage)
HYD	AG7 U2	25.3	03/20/2024 12:42			Forced Outage	Shutdown due to insufficient water supply. (Unplanned Outage)
HYD	AG2 U2	60	03/14/2024 8:15	03/25/2024 23:59	12	Planned Outage	PMS(GOMP). ETC March 26 2024
HYD	SBL B U1	14	03/12/2024 0:13	03/22/2024 12:04	10	Planned Outage	PMS (GOMP). ETC March 25 2024 at 2359H.
HYD	SBL B U2	14	03/12/2024 0:08	03/22/2024 12:27	11	Planned Outage	PMS (GOMP). ETC March 25 2024 at 2359H.
HYD	PG4 U1	75	03/09/2024 20:16	03/13/2024 7:59	3	Forced Outage	OMC Outage. Due to low Water inflow (H2O Elev. Already at minimum level).
HYD	TU2 U1	8.1	03/06/2024 16:27			Forced Outage	Plant Tripped due to High Vibration DE(Drive End) Axial and High Vibration DE Radial 2
HYD	PG4 U2	75	03/05/2024 7:02	03/09/2024 14:52	4	Planned Outage	PMS (Non-GOMP). ETC March 10 2024.
HYD	TU2 U1	8.1	02/25/2024 16:06	03/05/2024 9:14	9	Forced Outage	Forced Outage. Indication Trip (Temperature Generator radial bearing DE too high).
HYD	TU2 U1	8.1	02/25/2024 16:06	03/05/2024 9:14	9	Forced Outage	Forced Outage. Indication Trip (Temperature Generator radial bearing DE too high). ETC on March 04 2024.
HYD	FGA U0	1.6	02/27/2024 0:01	03/11/2024 23:59	14	Planned Outage	PMS (GOMP). ETC March 11 2024.
HYD	TU2 U1	8.1	02/25/2024 16:06			Forced Outage	Forced Outage. Indication Trip(Temperature Generator radial bearing DE too high). ETC on Mar. 04 2024.
HYD	SBL A U1	8.75	02/27/2024 0:25	03/01/2024 17:44	4	Planned Outage	PMS (GOMP).
HYD	TU2 U1	8.1	02/25/2024 16:06			Forced Outage	Forced Outage. Indication Trip(Temperature Generator radial bearing DE too high)
HYD	SBL A U2	8.75	02/27/2024 0:25	03/05/2024 19:38	8	Planned Outage	PMS (GOMP). ETC March 05 2024.
HYD	SBL A U1	8.75	02/27/2024 0:25			Planned Outage	PMS (GOMP). ETC March 05 2024.
HYD	FGA U0	1.6	02/27/2024 0:01			Planned Outage	PMS(GOMP). ETC March 11 2024.
HYD	TU2 U1	8.1	02/25/2024 16:06			Forced Outage	Trip(Temperature Generator radial bearing DE too high)
HYD	MHP U0	0.5	01/14/2024 21:13			Forced Outage	OMC shutdown due to NIA Intake Gate shutdown. No ETC.
HYD	13NABUN	3	02/10/2024 8:03	03/14/2024 8:00	33	Forced Outage	Forced Outage. Emergency plant shutdown due to battery bank problem.
OIL	TM2 U2	50	03/10/2024 0:08	03/13/2024 20:47	4	Planned Outage	Planned Outage. PMS (GOMP). ETC March 13 2024 2359
OIL	TM2 U1	50	03/06/2024 0:14	03/08/2024 18:35	3	Planned Outage	PMS (GOMP). ETC March 09 2024.

Connect with PEMC

✉ pemc_info@wesm.ph

☎ +63 2 8631 8734

📍 18F Robinson Equitable Tower,
ADB Avenue Ortigas Center,
Pasig City 1600, Philippines



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