



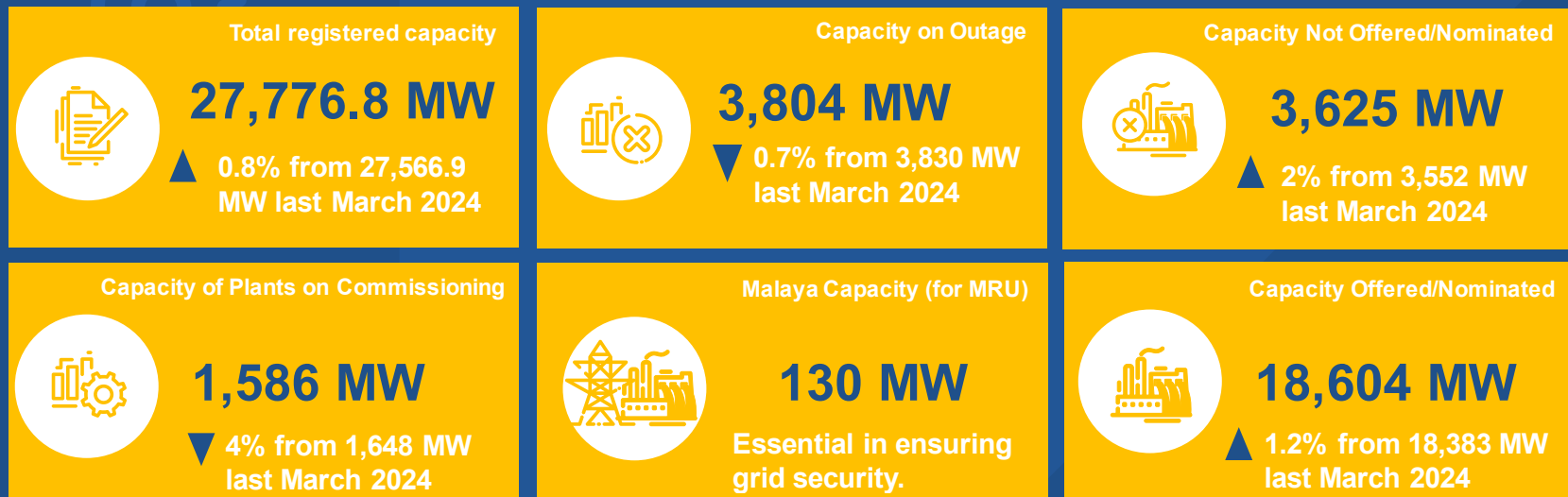
MONTHLY MARKET ASSESSMENT HIGHLIGHTS

26 March 2024 to 25 April 2024

SUMMARY OF OBSERVATIONS

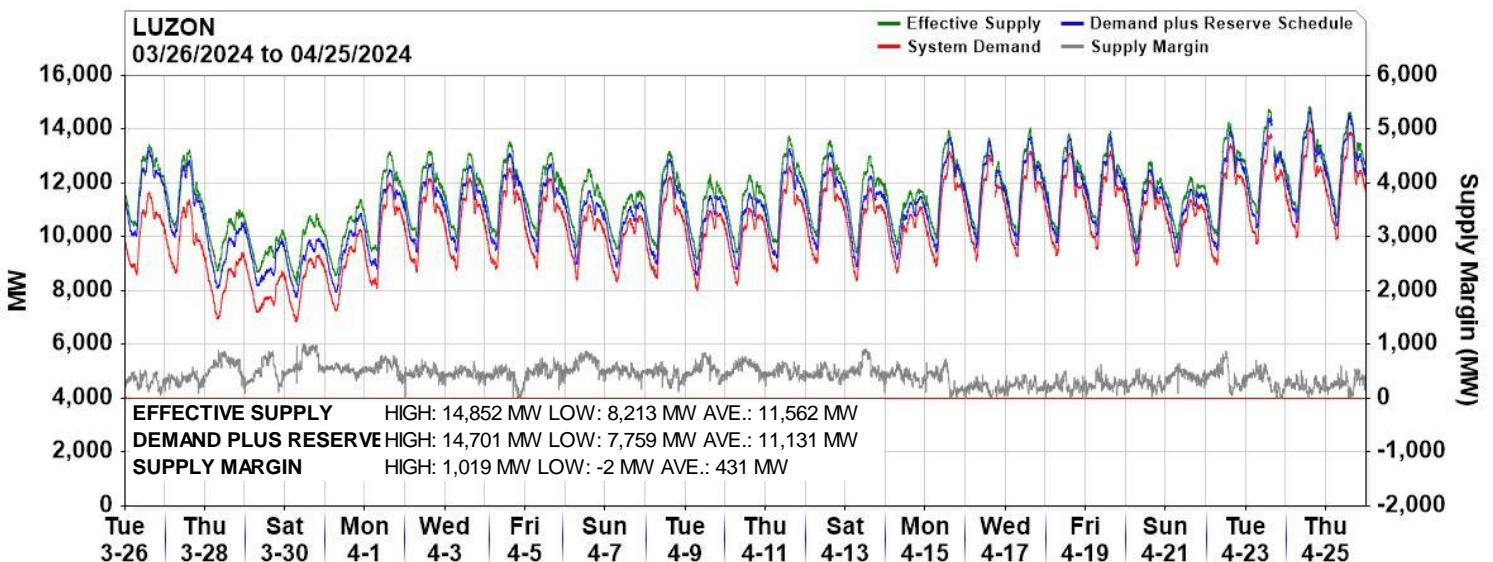
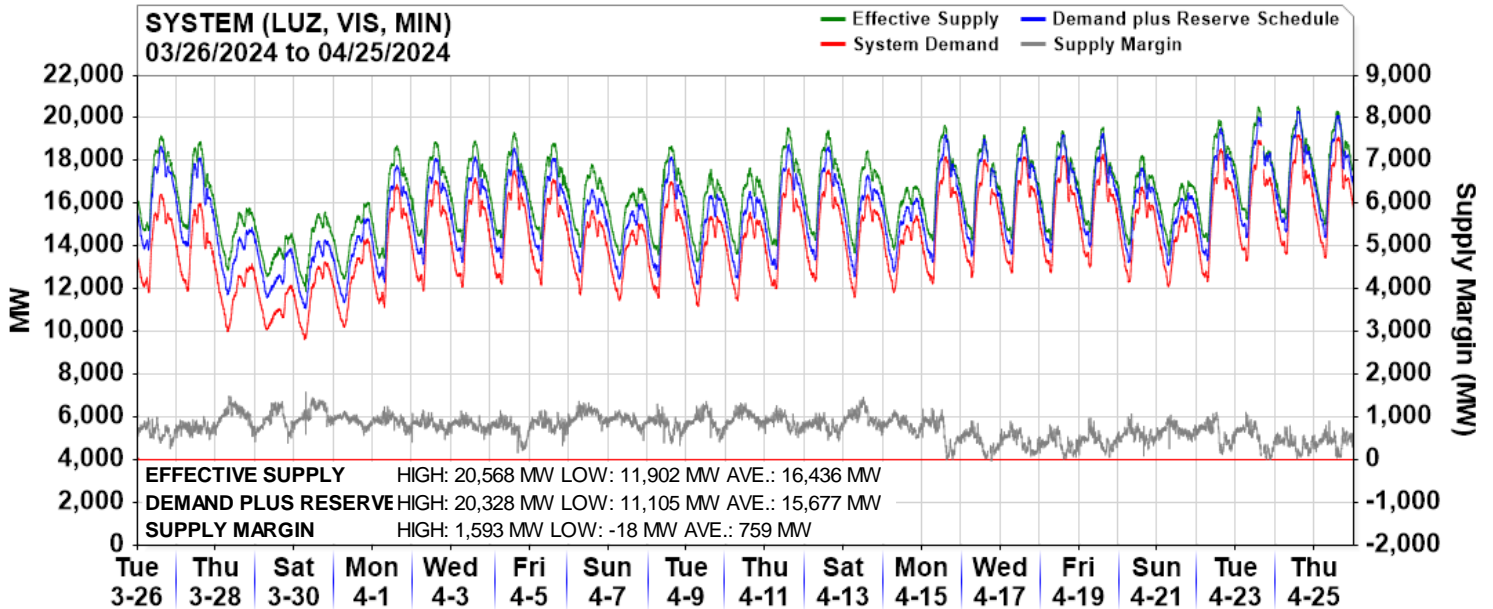
- **Secondary Price Cap impositions** affecting 1,709 trading intervals
- **Yellow and Red Alert** notice issuances by the System Operator on 16-20 and 23-25 April 2024
- Significant increase in the **Pricing Error Notices** affecting 1,738 trading intervals
- **Declaration of Market Intervention events:**
 - **Four (4) MO-initiated events on 26-28 March and 20 April 2024 affecting** Luzon, Visayas, and Mindanao regions for nine (9) intervals due to Market Management System failure to publish real-time dispatch schedules
 - **Two (2) SO-initiated events affecting** Luzon region for 32 intervals on 16 and 23 April 2024 due to generation deficiency
- **Notable congestions:**
 - Samboan-Amlan line 1 (Cebu-Negros submarine cable) for 2,359 intervals (26% of the time)
 - Maasin-Ubay line 1 for 2,754 intervals (31% of the time)
 - Mexico-Hermosa lines 1 and 2 for 529 and 591 intervals (6% and 7% of the time), respectively, that subsequently triggered the Price Substitution Methodology imposition for 607 intervals.

AT A GLANCE



MARKET OUTCOME

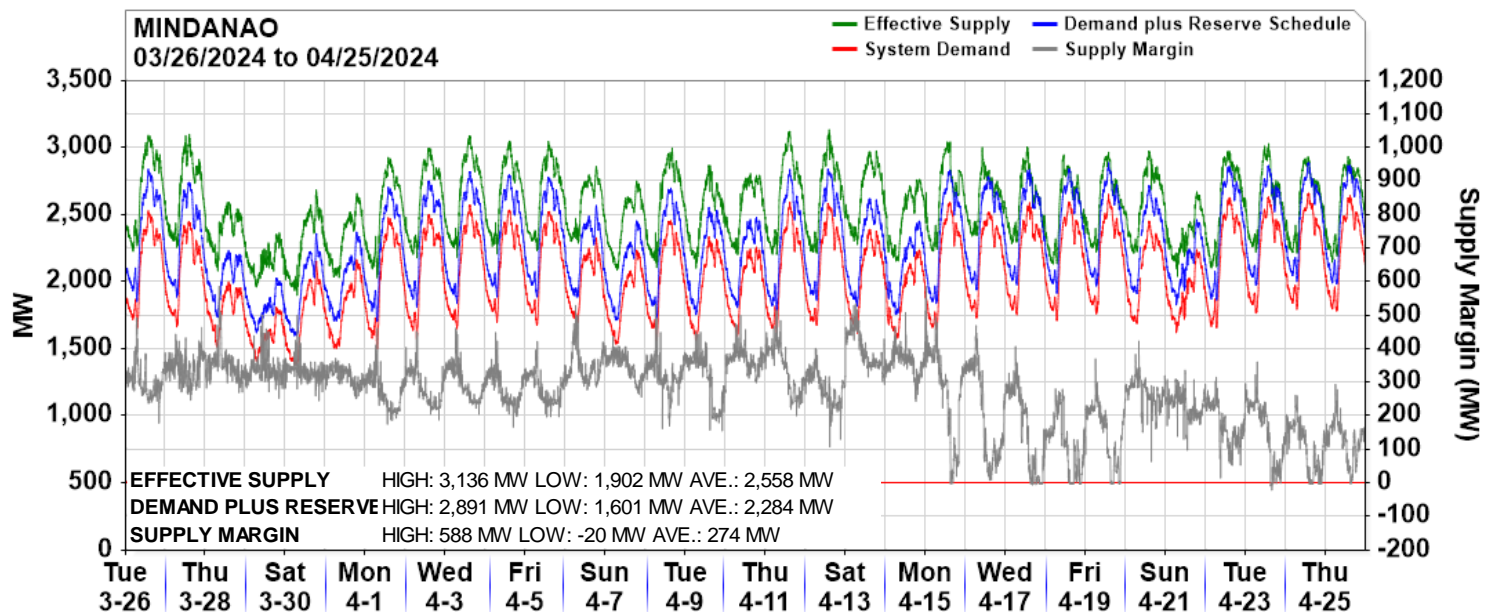
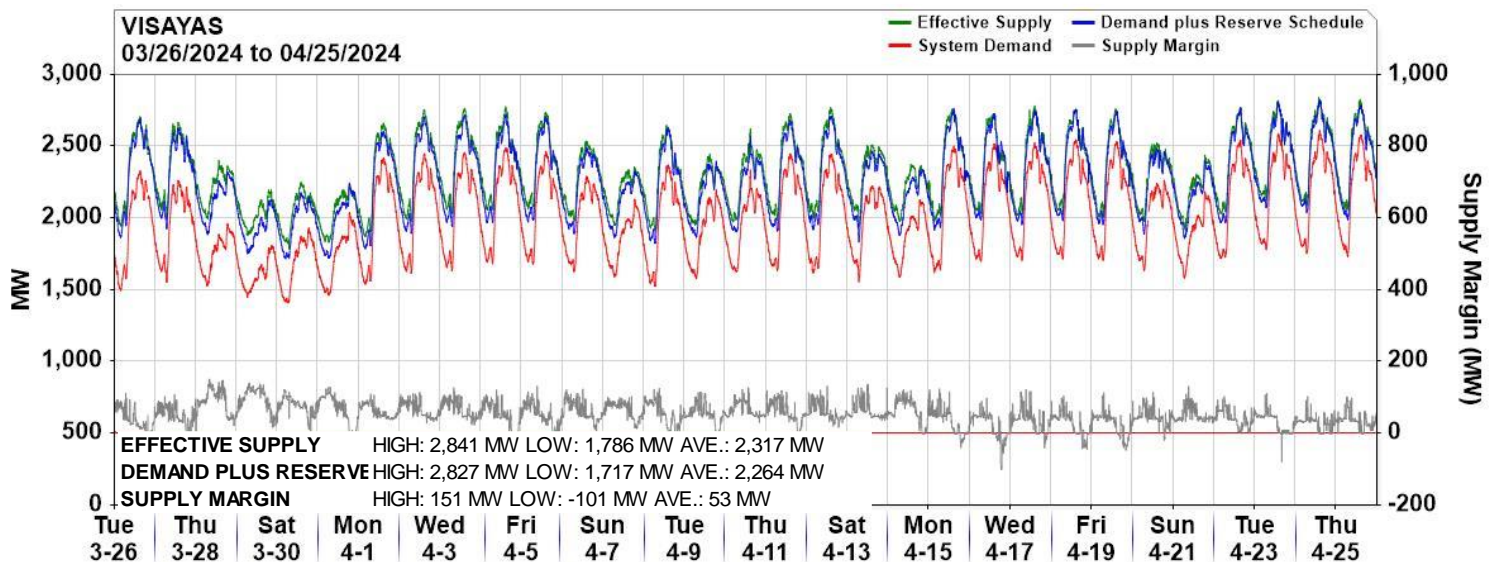
SUPPLY AND DEMAND



System-wide Effective Supply increased by an average of 2.3% even with the relatively high level of capacities on outage. However, the demand likewise increased by an average of 8.9%, leading to the thinning of supply margin which plunged by an average of 10.1% during the period.

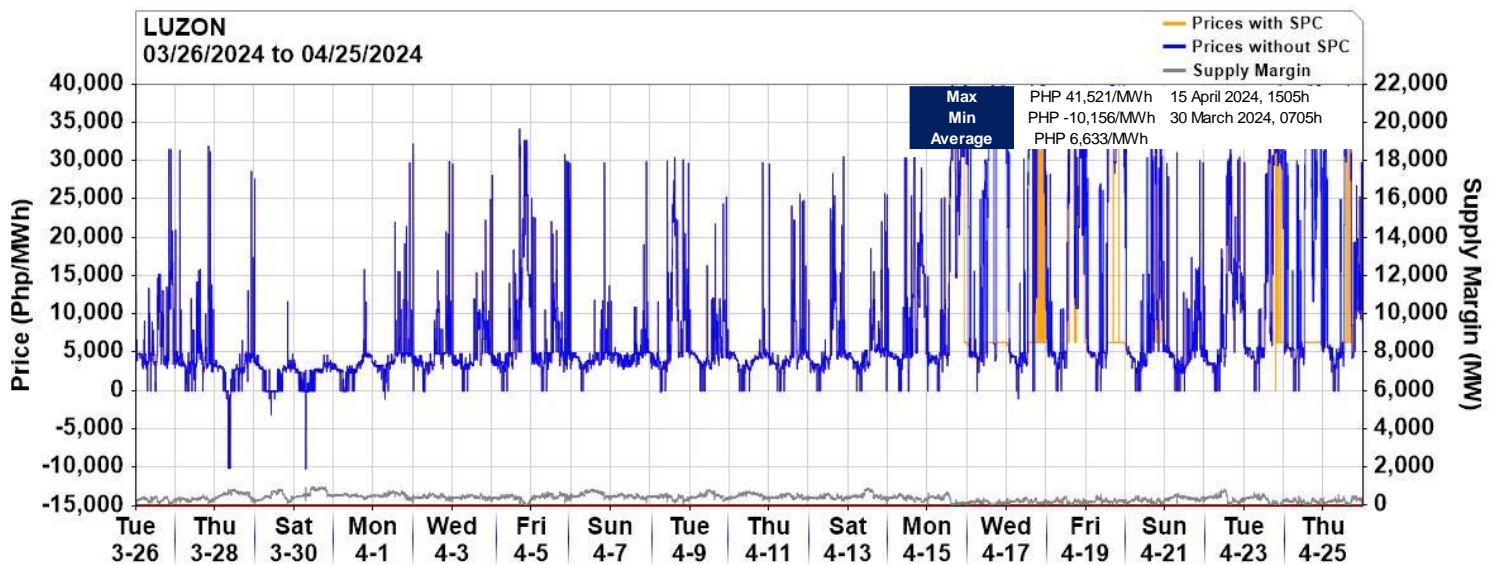
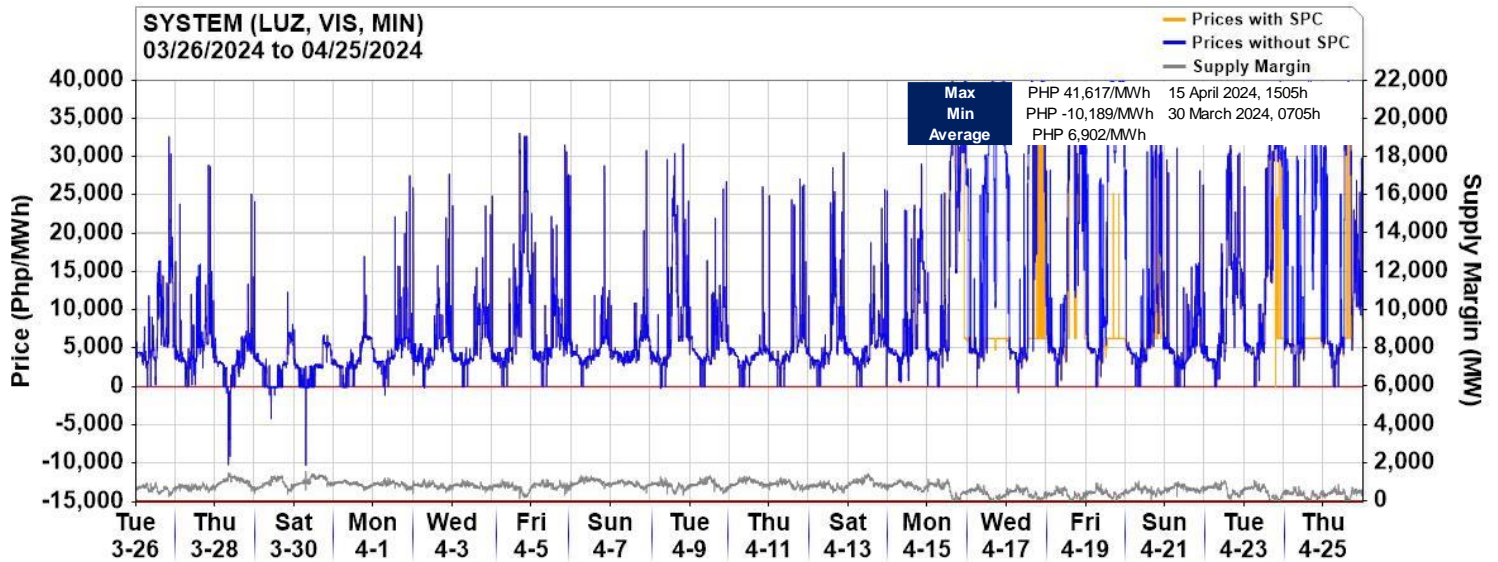
MARKET OUTCOME

SUPPLY AND DEMAND



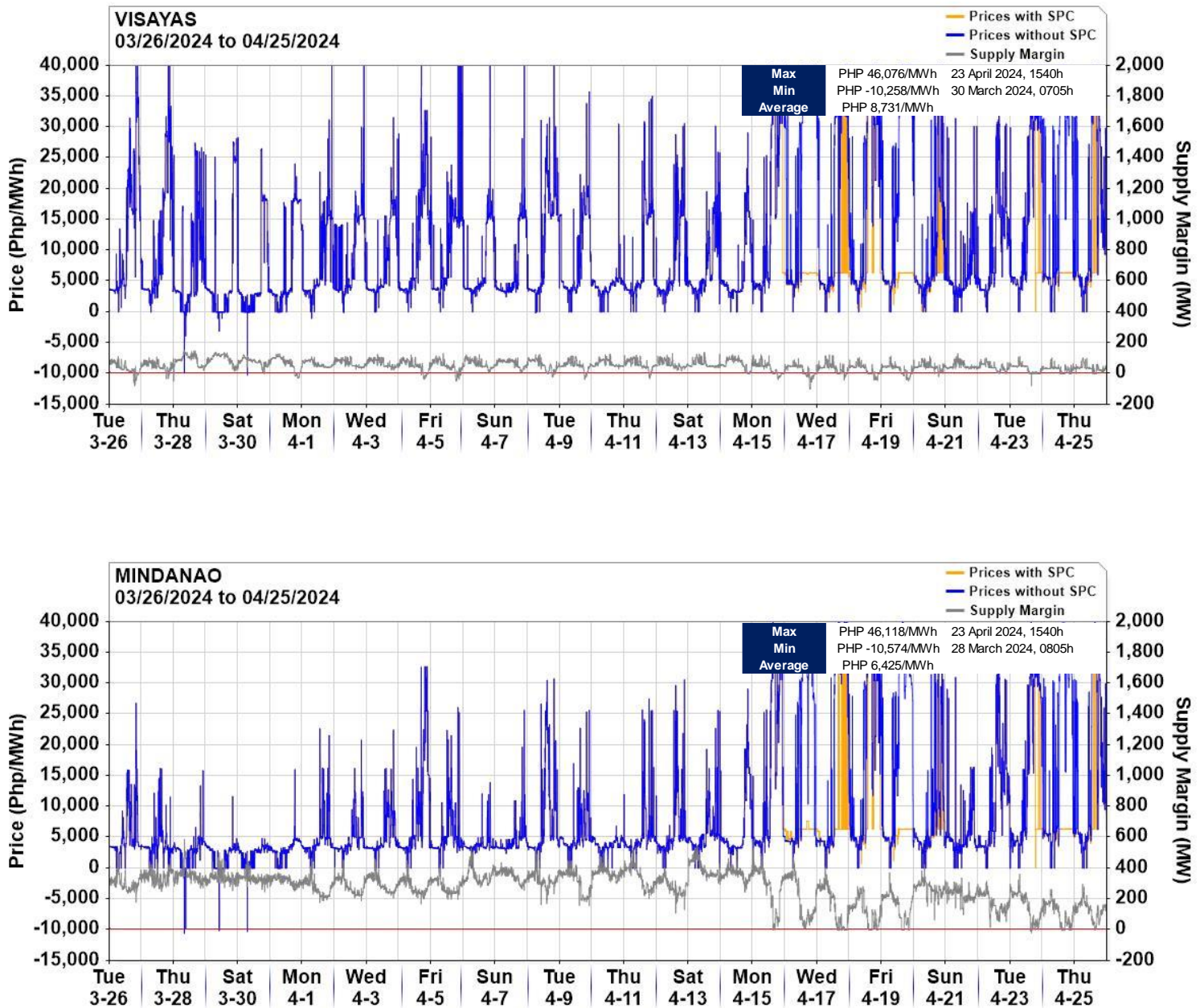
MARKET OUTCOME

MARKET PRICES



MARKET OUTCOME

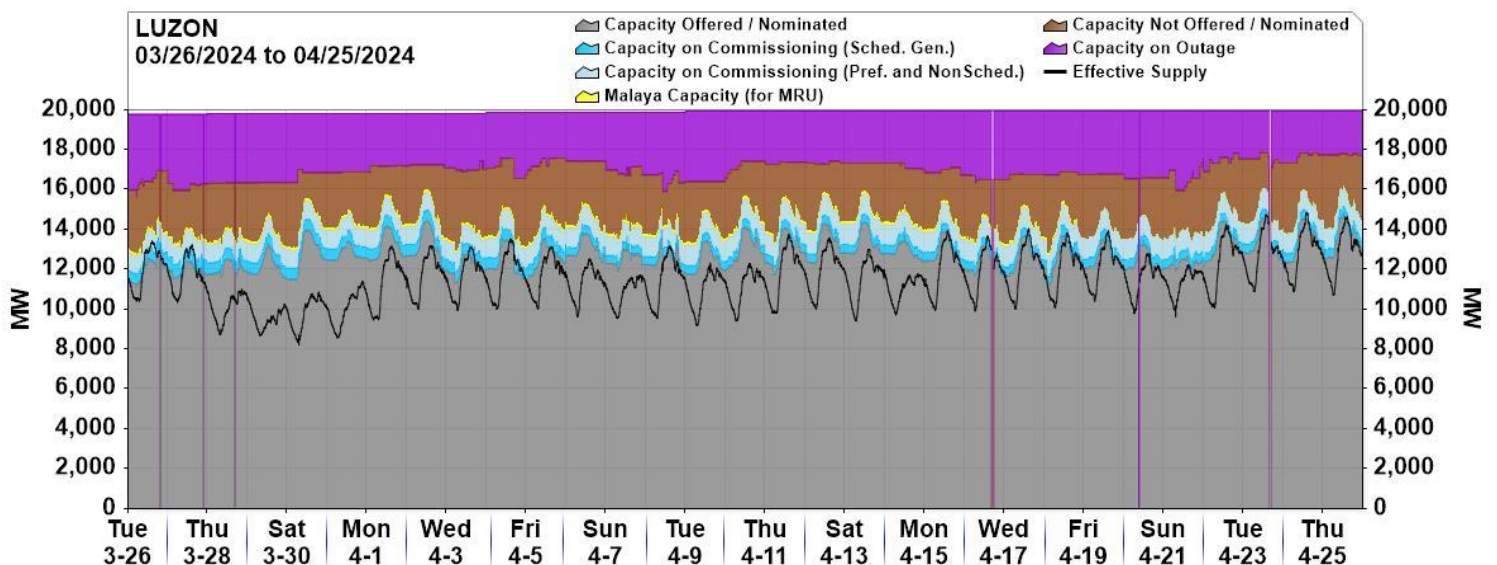
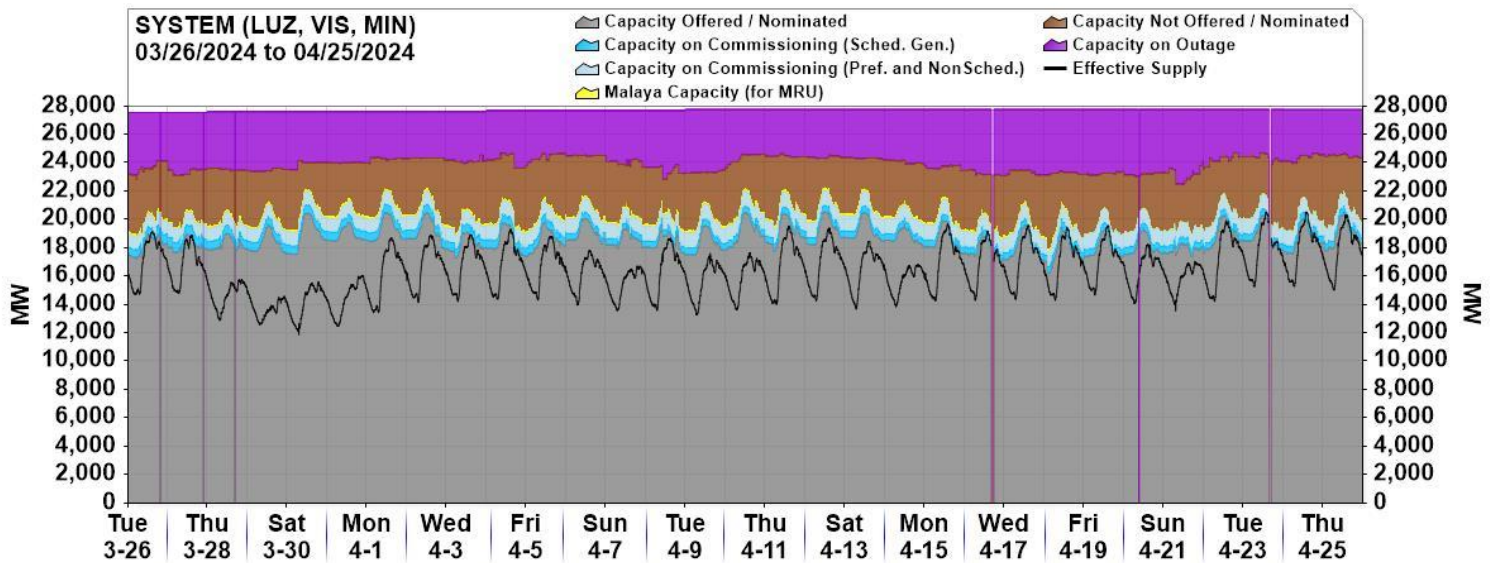
MARKET PRICES



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, impositions of system-wide or regional secondary price cap was noted, which affected 1,709 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 on the latter of the billing period, resulted from reduced supply level brought about by high level of outages.

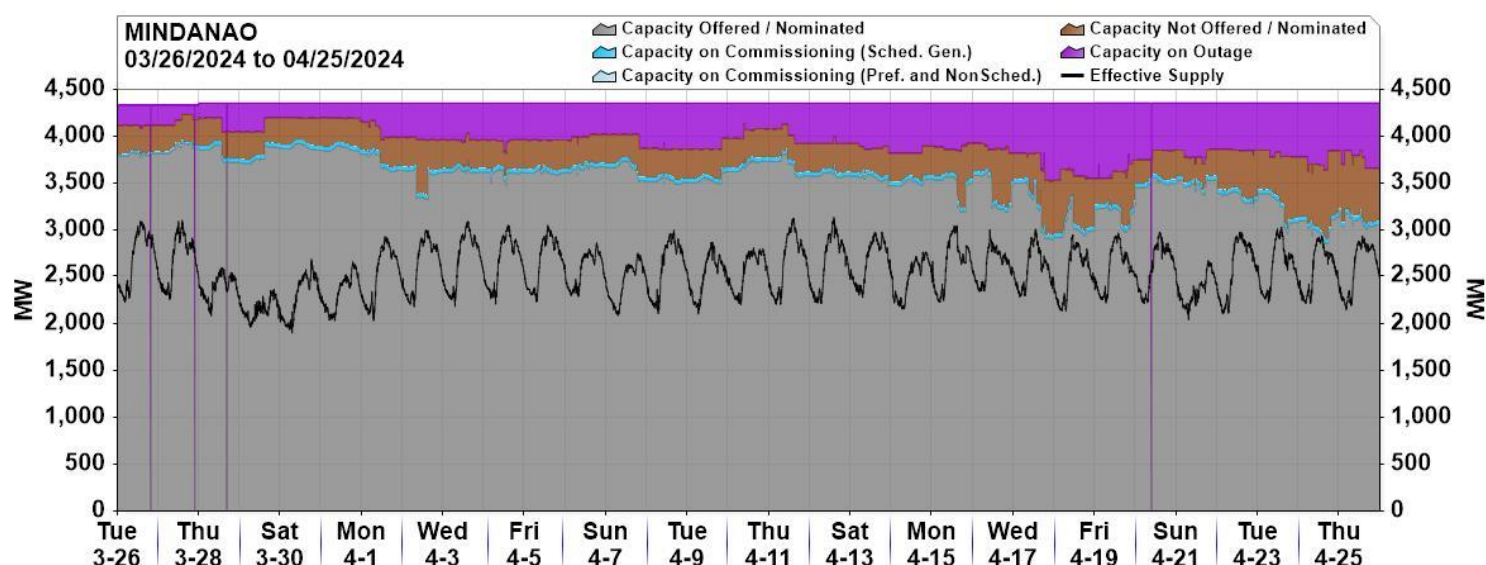
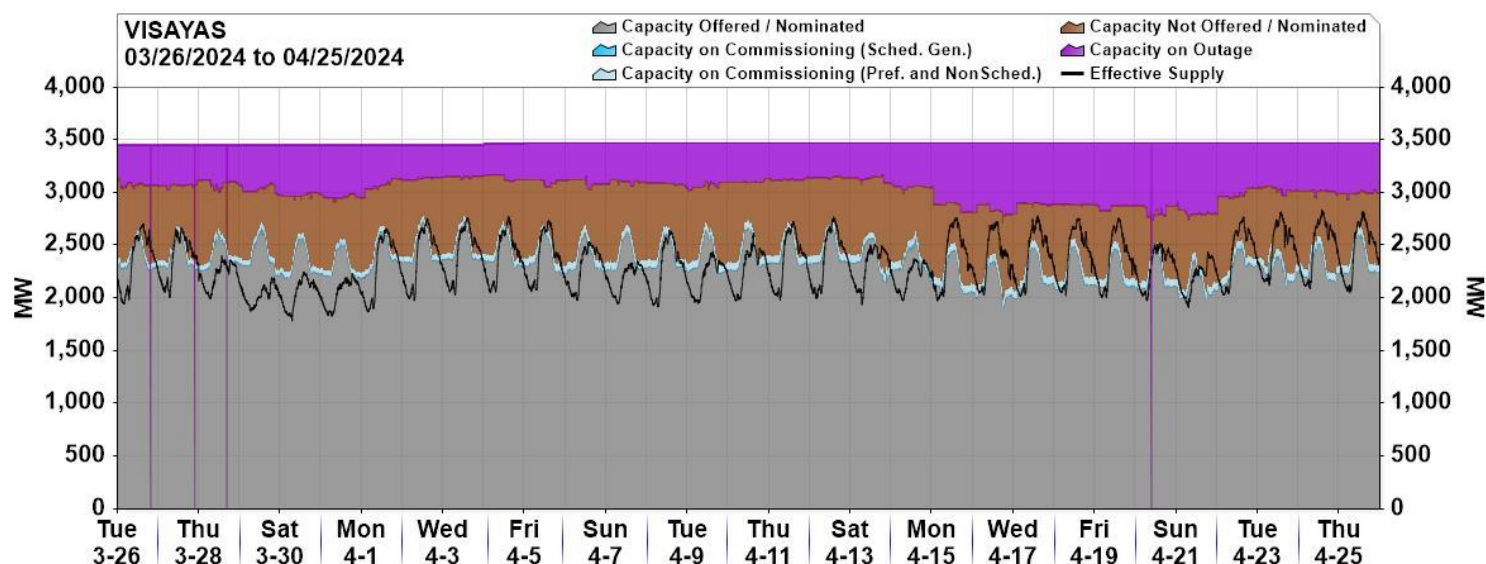
MARKET OUTCOME

CAPACITY PROFILE



MARKET OUTCOME

CAPACITY PROFILE

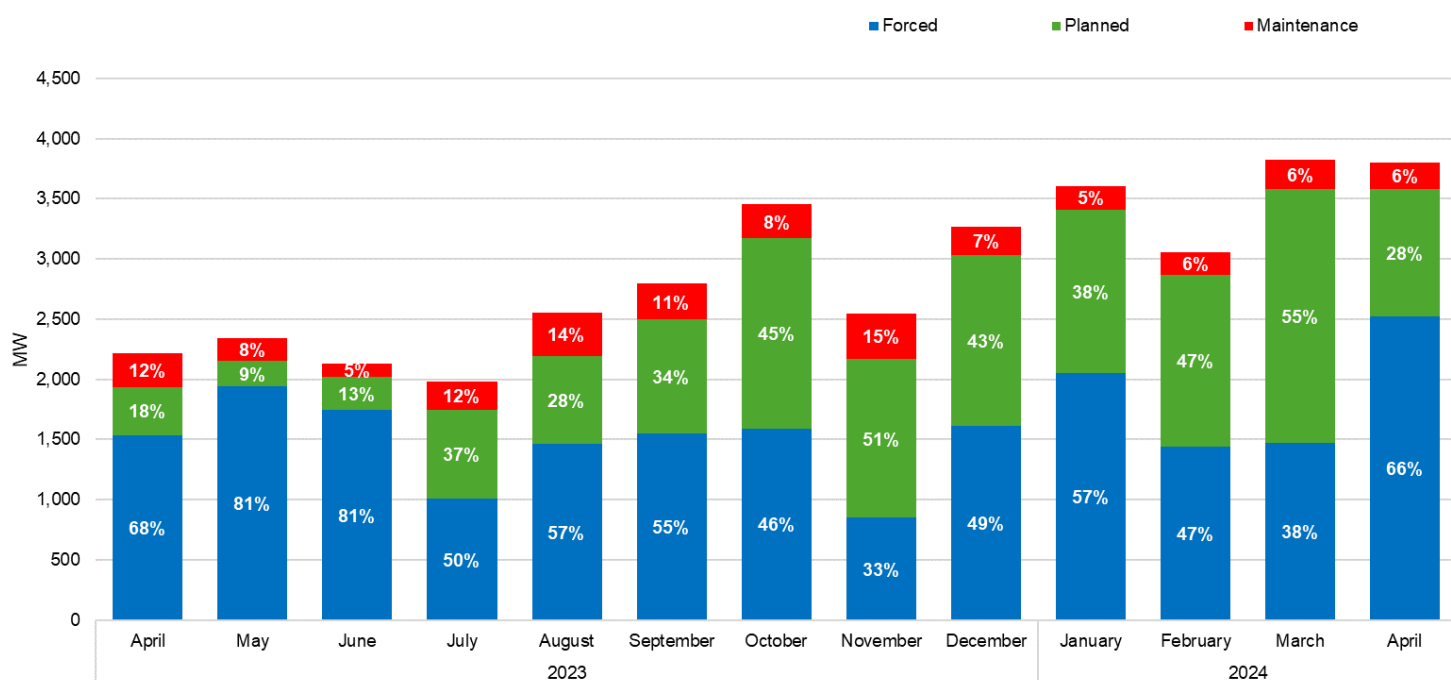


A total system-registered capacity of 27,776.8 MW was noted during the billing period in review. Of the total registered capacity, 3,625 MW was under the Capacities Not Offered/Nominated which were mostly attributable to resource constraints and subject to further validation with the Enforcement and Compliance Office of PEMC.

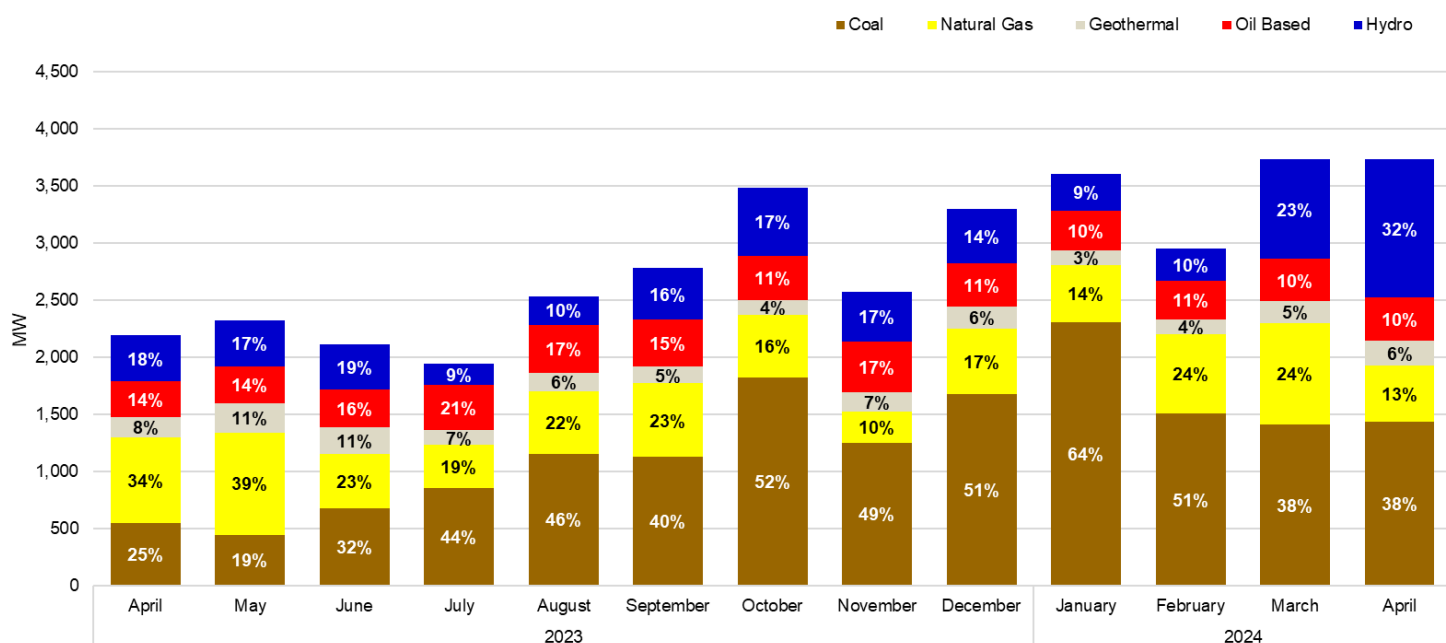
MARKET OUTCOME

CAPACITY ON OUTAGE

CAPACITY ON OUTAGE BY CATEGORY

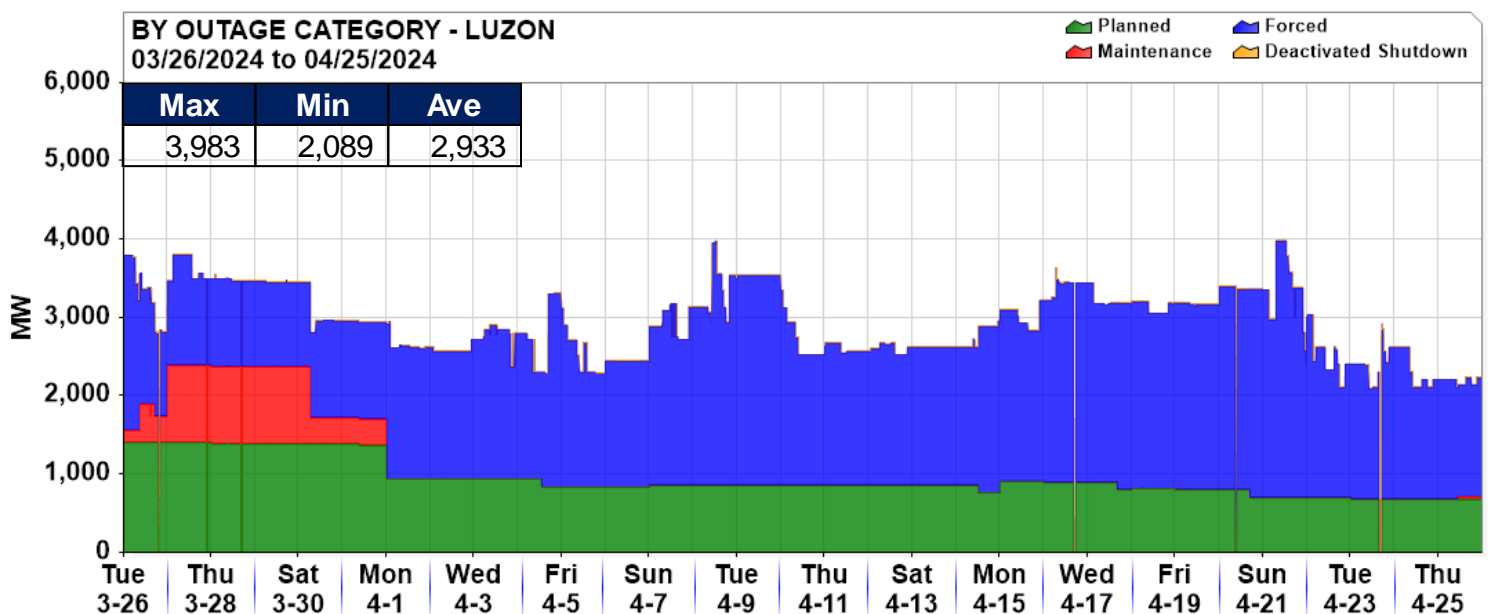
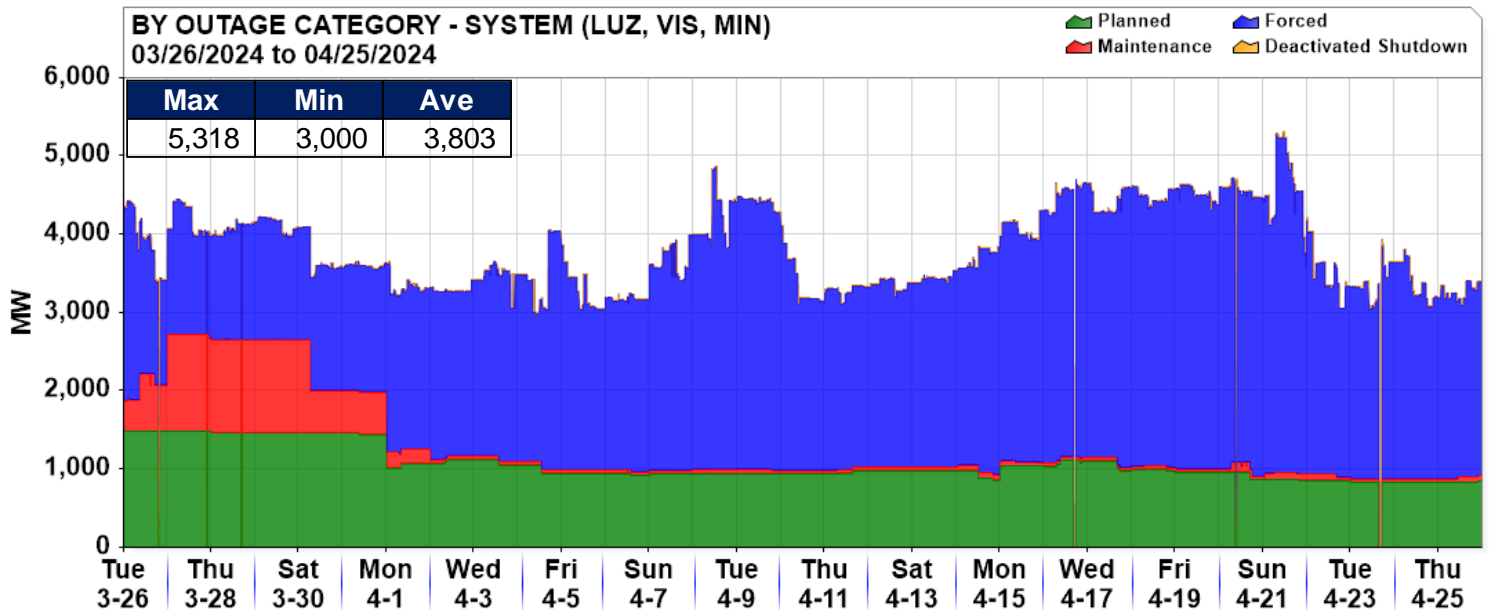


CAPACITY ON OUTAGE BY PLANT TYPE



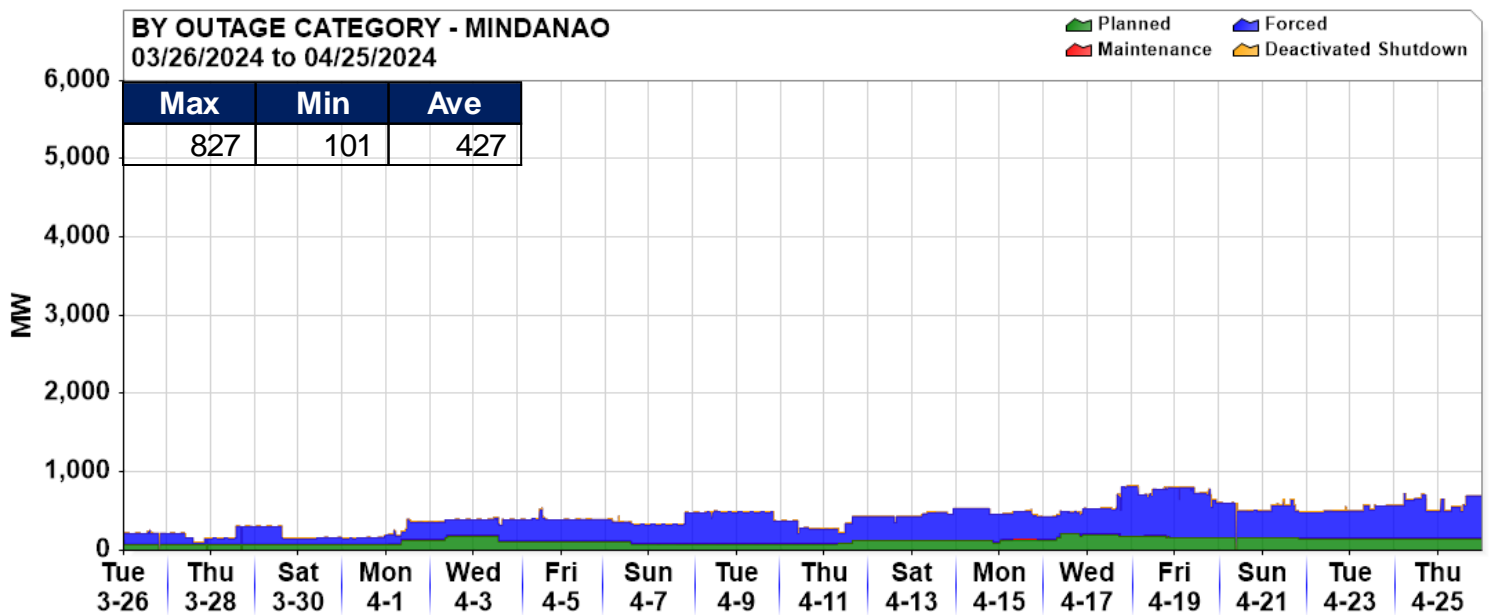
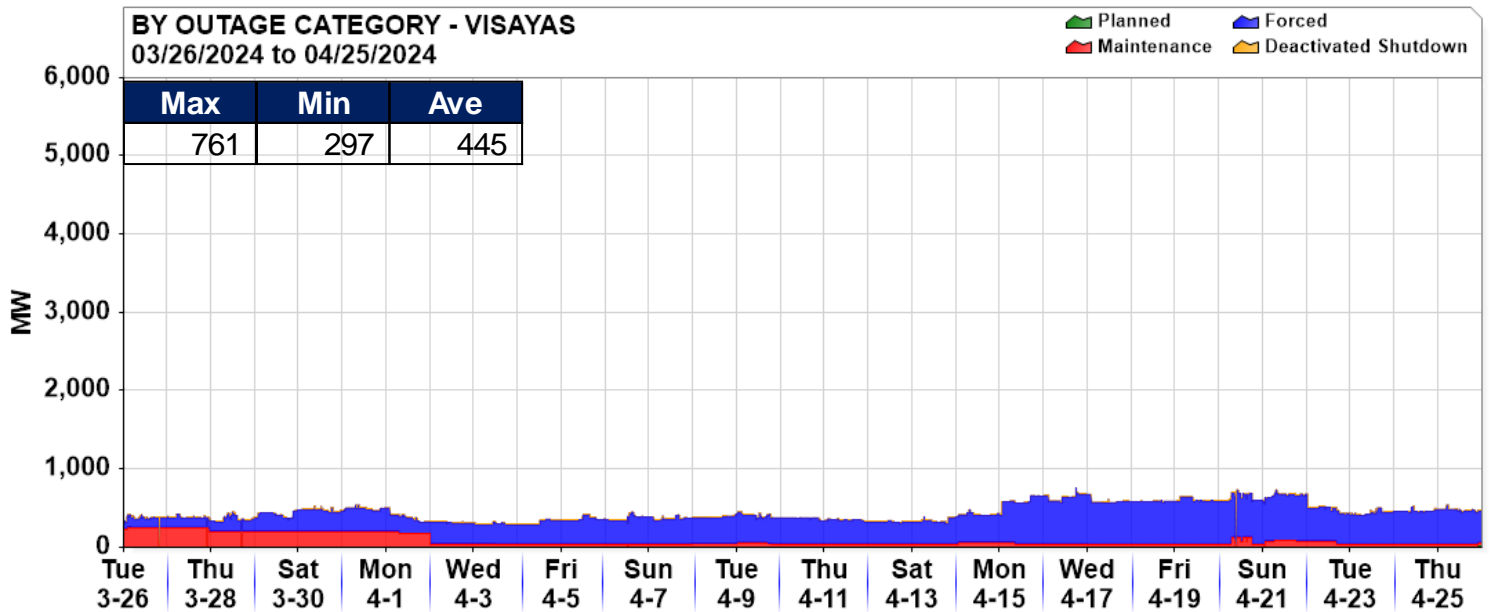
MARKET OUTCOME

CAPACITY ON OUTAGE



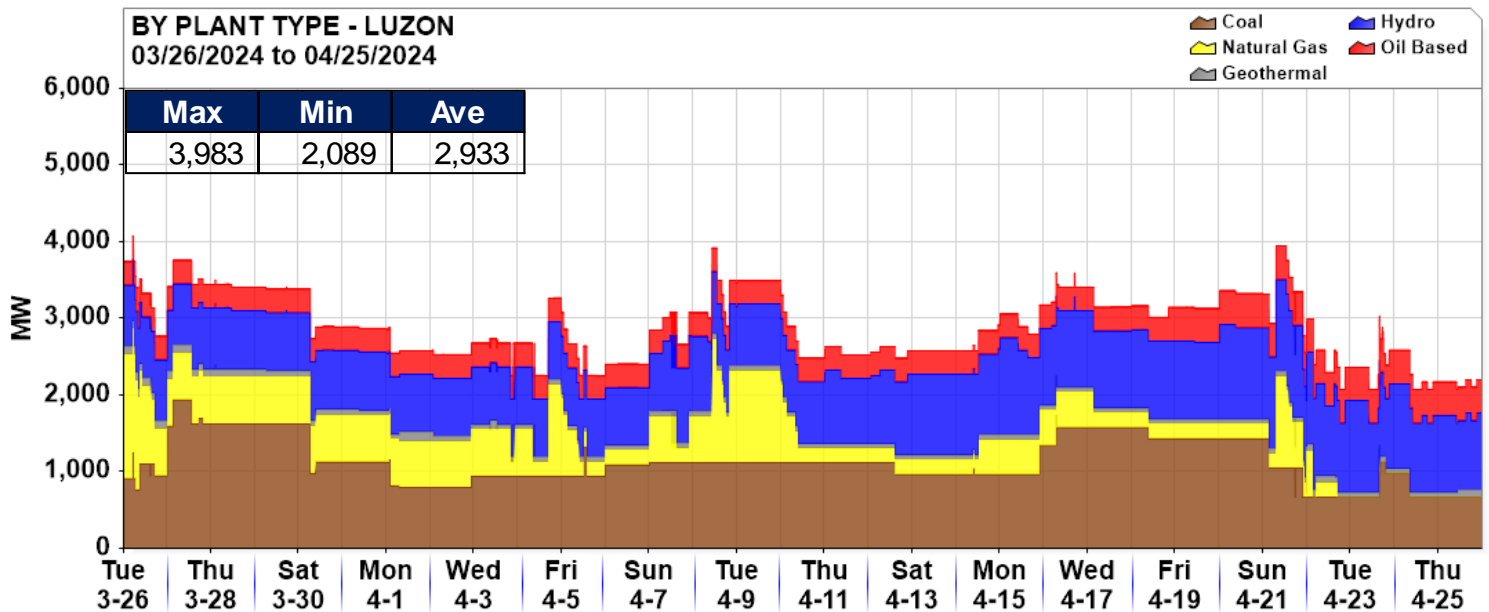
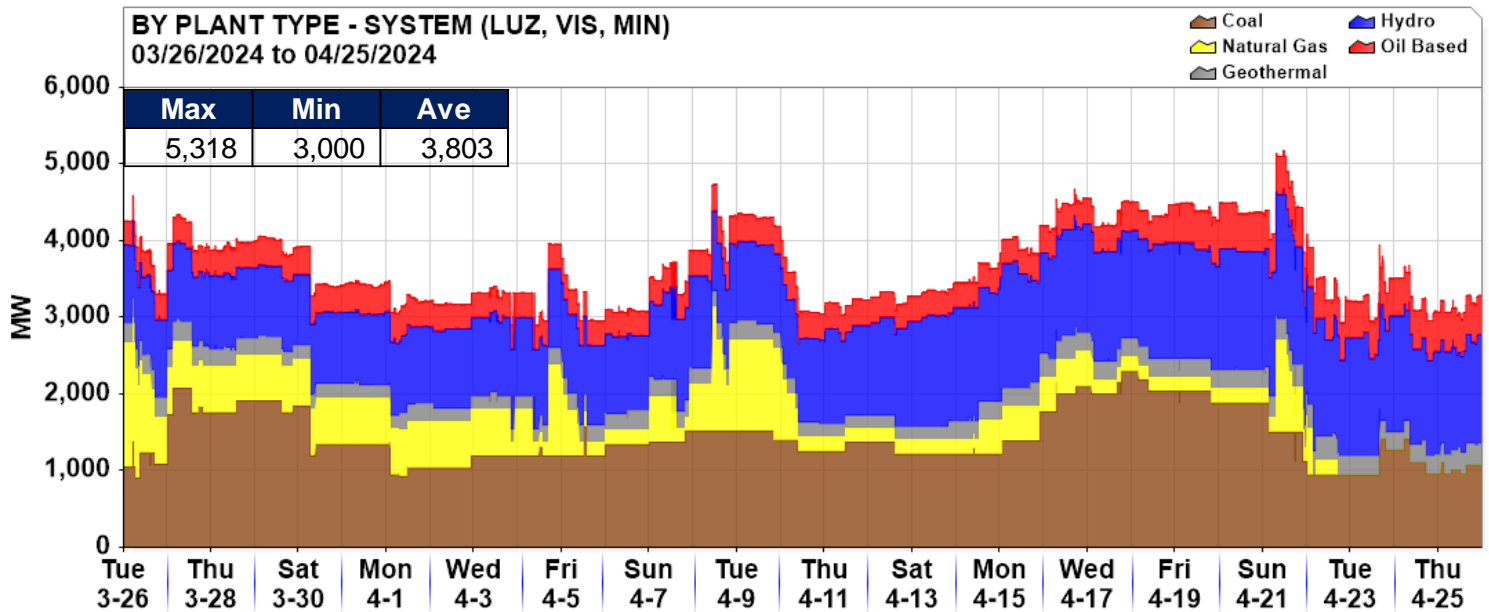
MARKET OUTCOME

CAPACITY ON OUTAGE



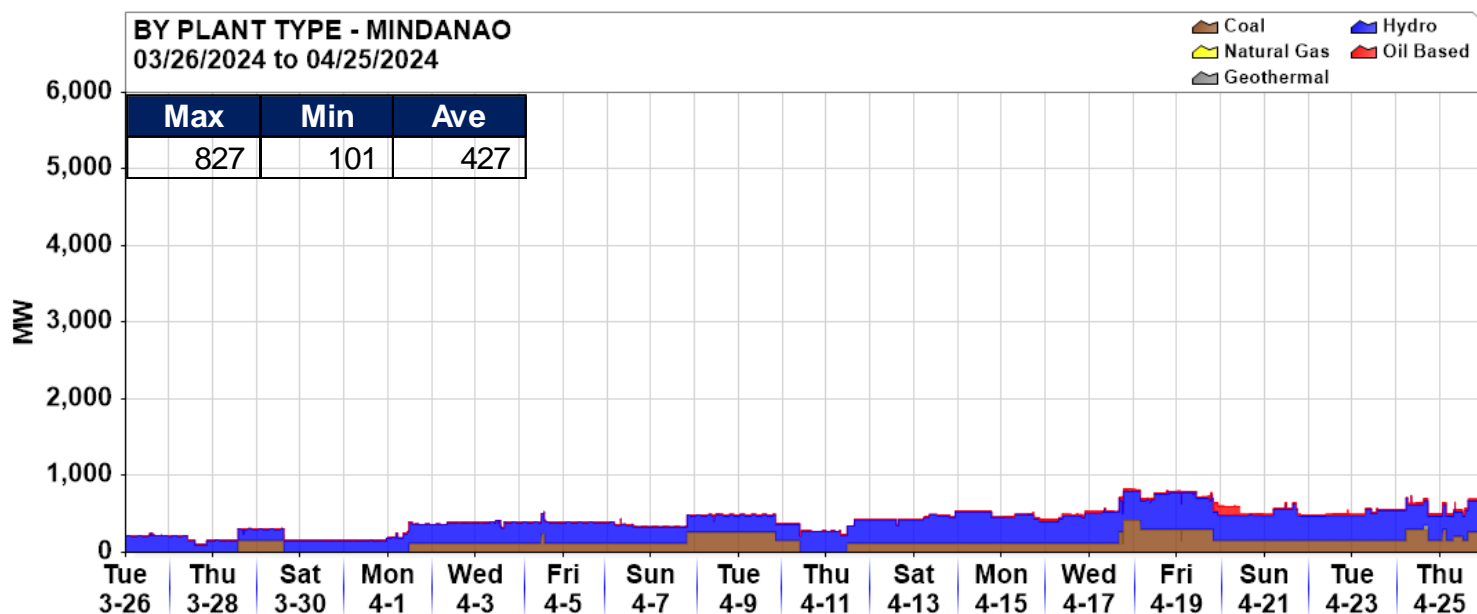
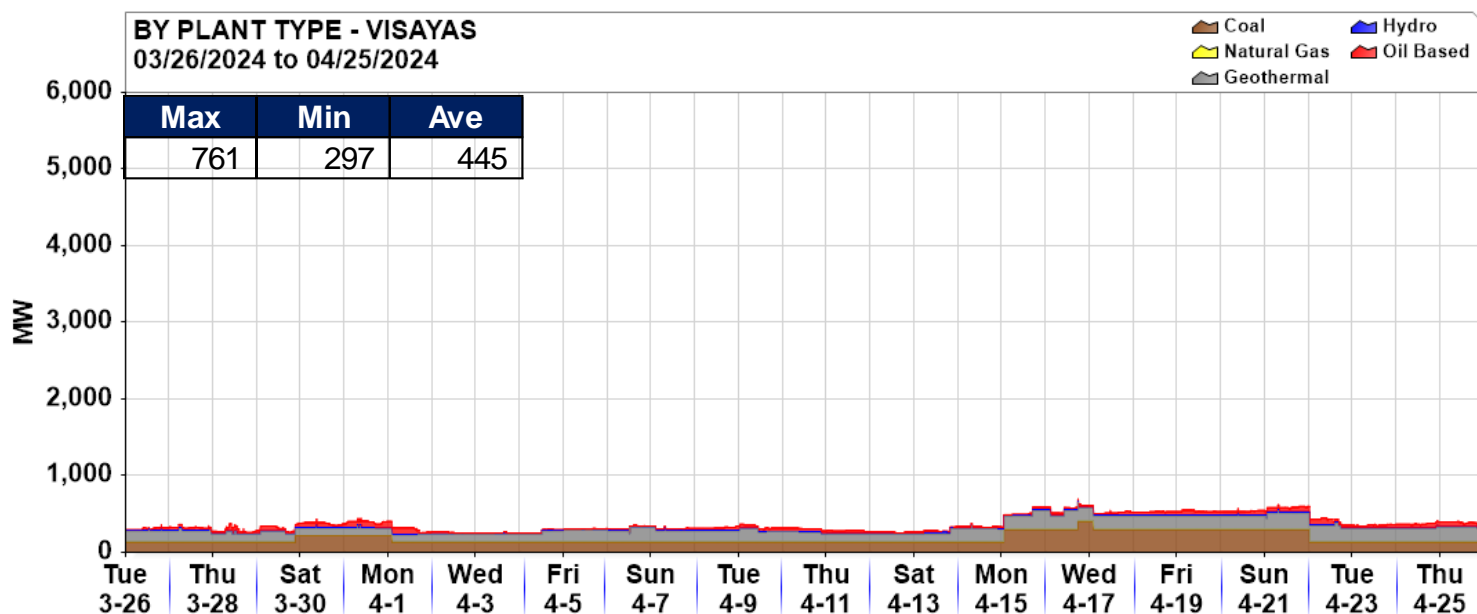
MARKET OUTCOME

CAPACITY ON OUTAGE



MARKET OUTCOME

CAPACITY ON OUTAGE

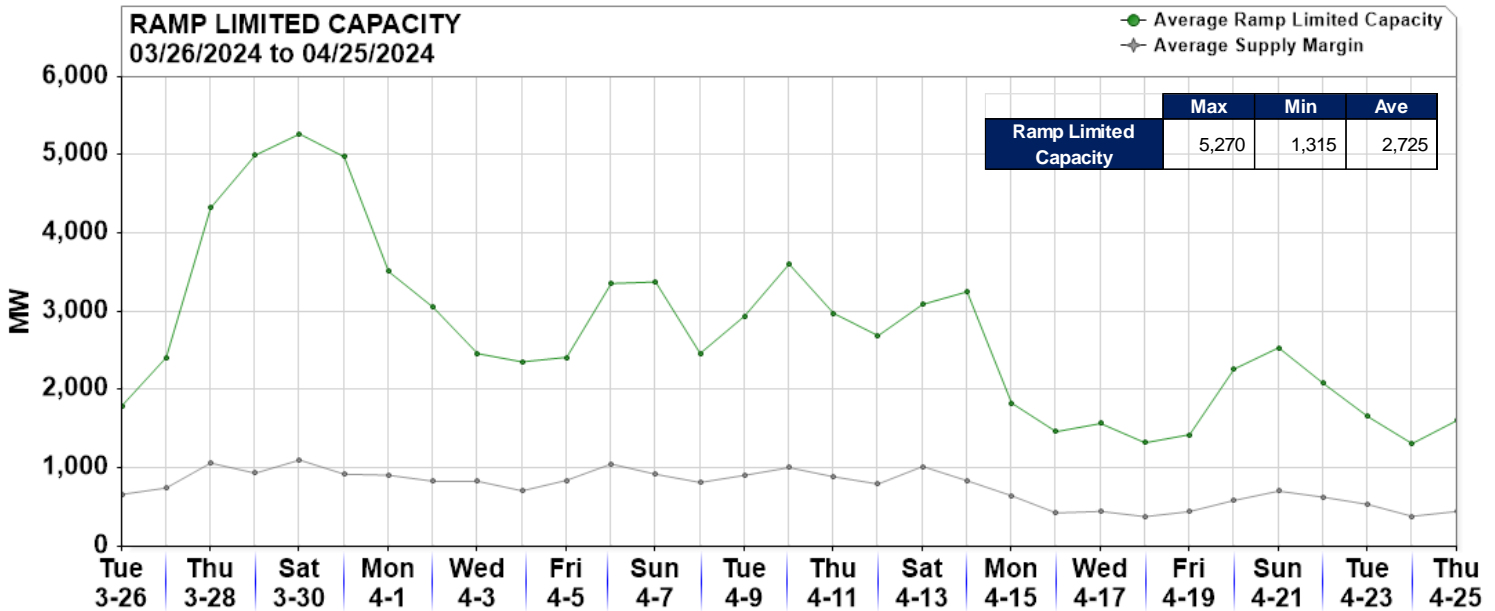


Although most of the plants that were on outage were from Coal power plants, it was noted that Hydro power plants posted with the significant increase in terms of capacities on outage due to the onset of relatively hotter temperature brought about by the El Niño where the higher heat indices affected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

MARKET OUTCOME

GENERATOR RAMPING

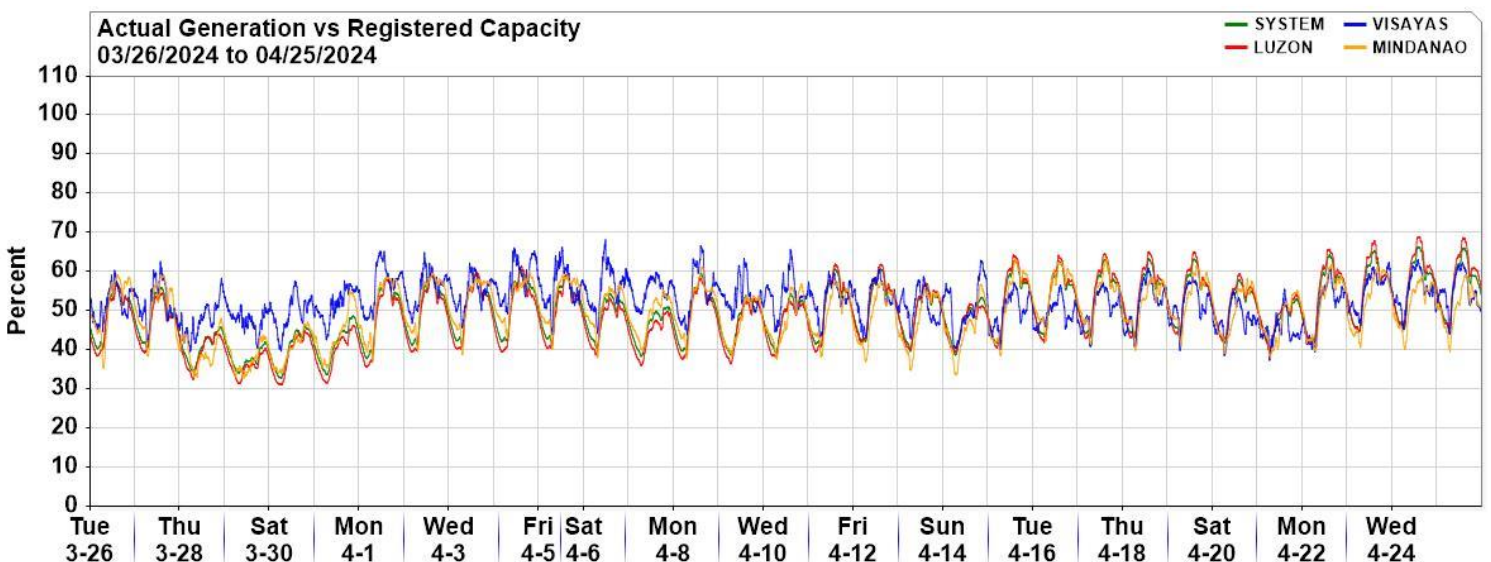
RAMP LIMITED CAPACITY



The average Ramp Limited capacity was observed to have decreased by an average of 0.6%, from an average of 2,890 MW last month despite the relatively lower level of capacities on outage during the period.

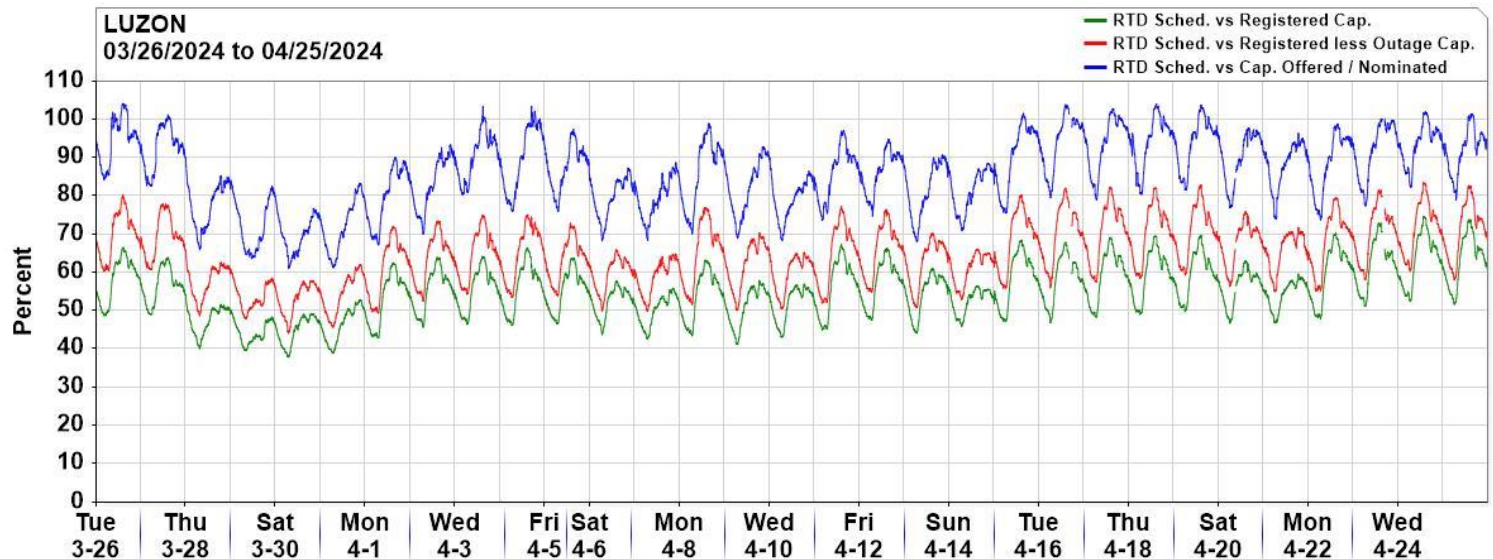
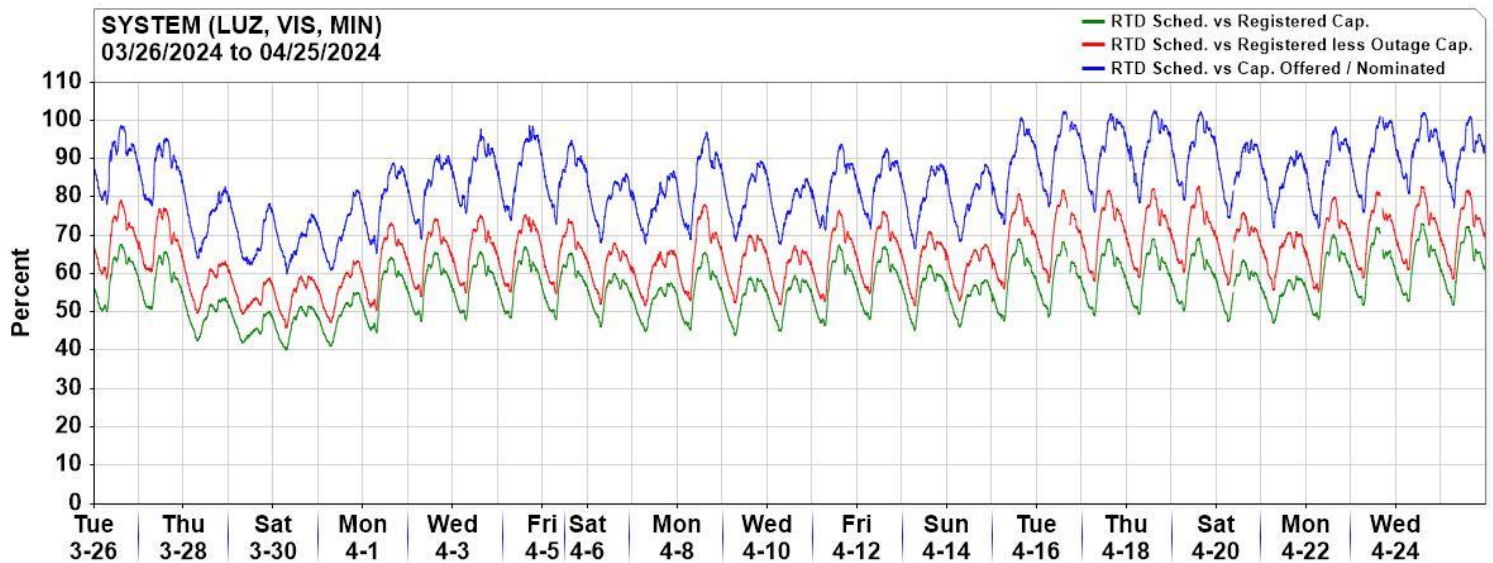
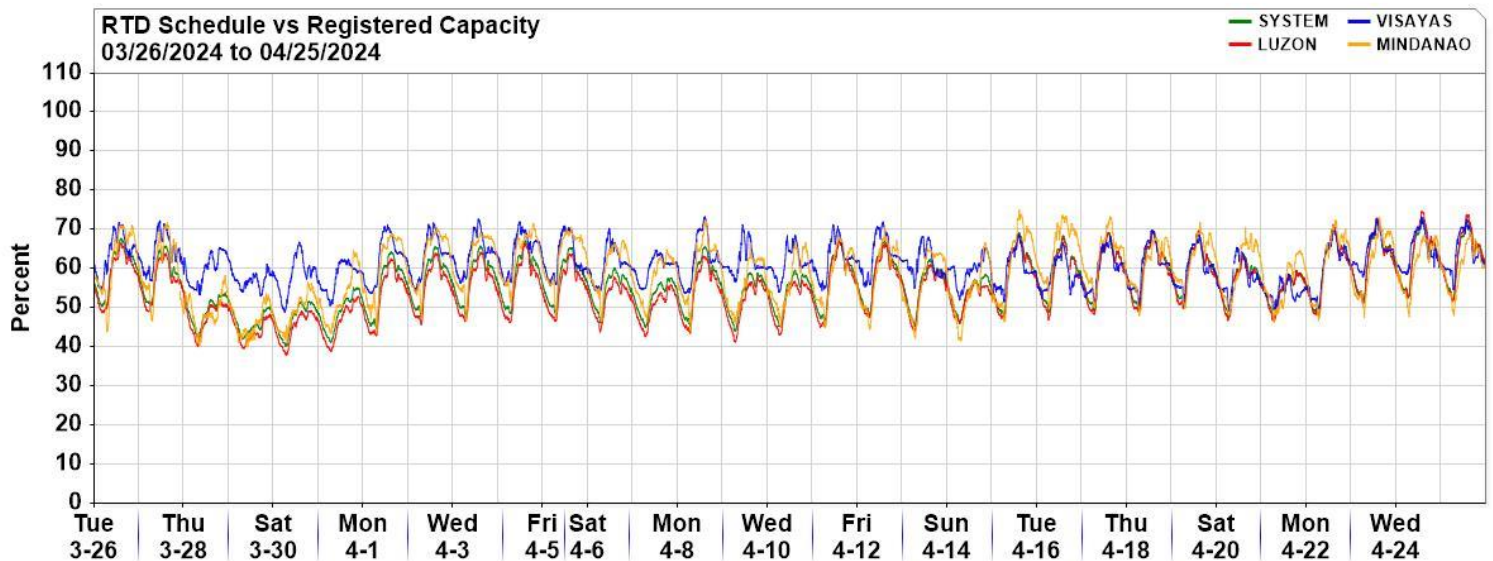
MARKET OUTCOME

CAPACITY FACTOR



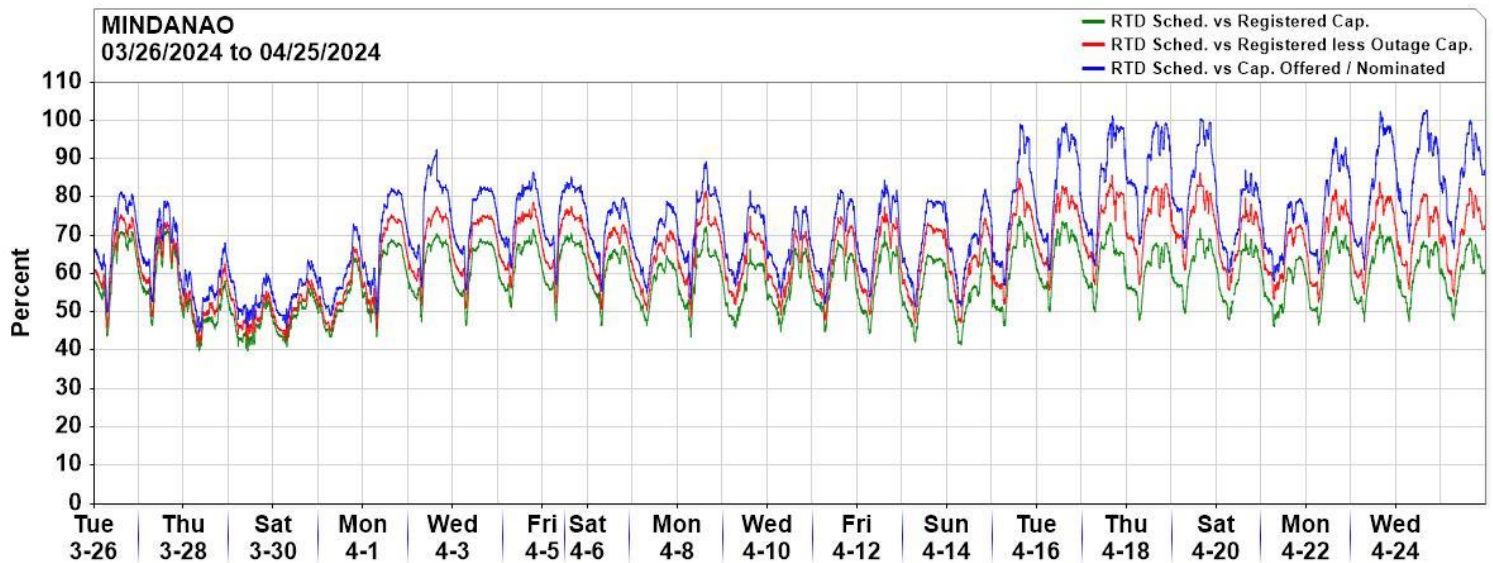
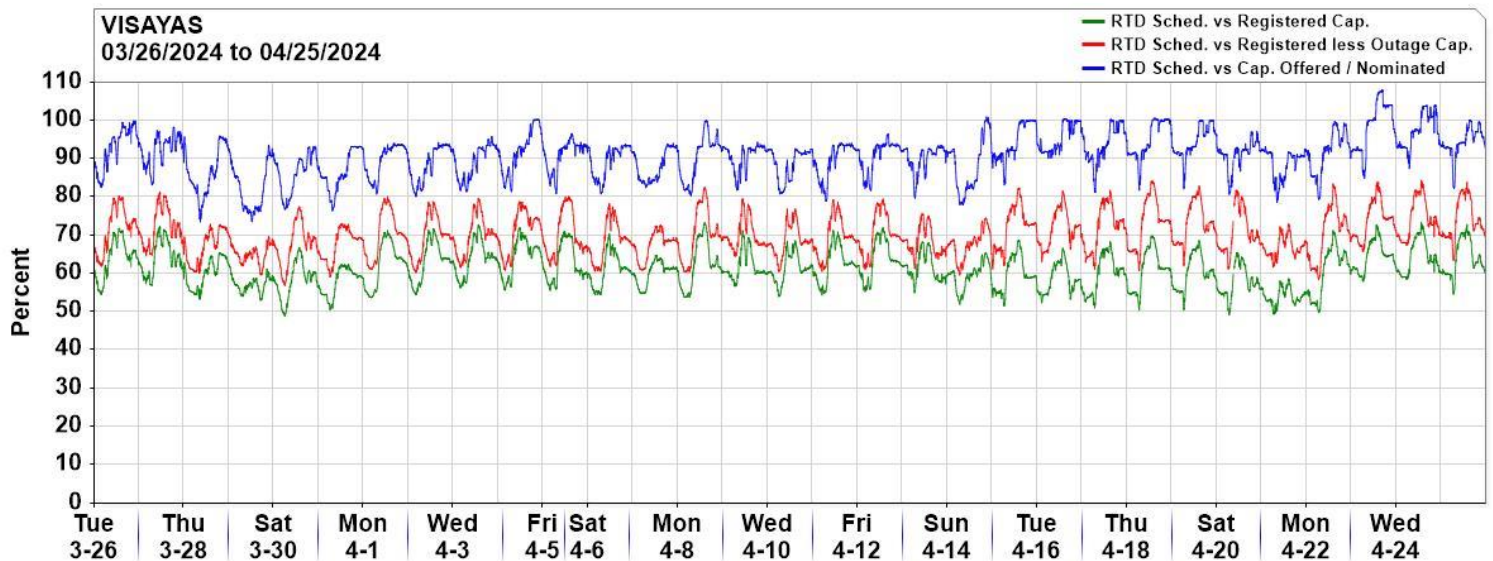
MARKET OUTCOME

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 49.8%. 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

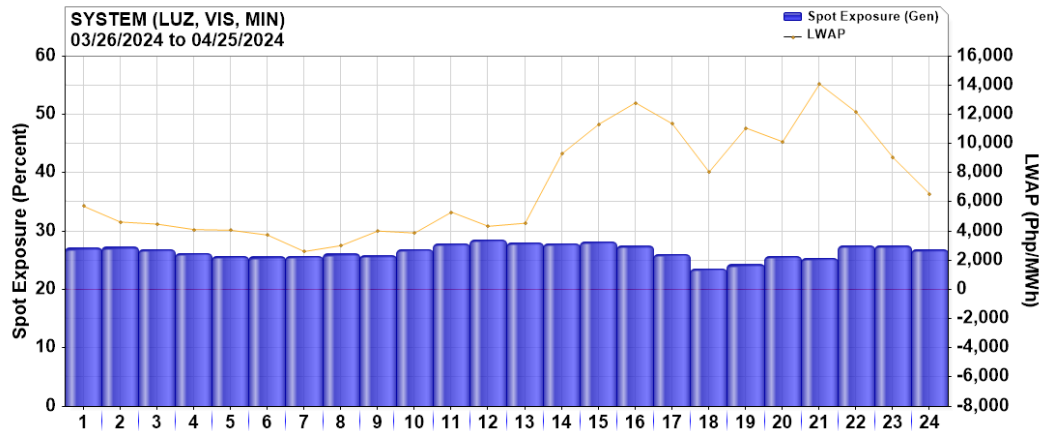
REGISTERED CAPACITY

Plant Type	March 2024				April 2024			
	System	Luzon	Visayas	Mindanao	System	Luzon	Visayas	Mindanao
	Capacity (MW)				Capacity (MW)			
BAT	485	305	100	80	545	345	100	100
BIOF	426	183	191	52	433	183	198	52
COAL	12,382	8,787	1,330	2,266	12,382	8,787	1,330	2,266
GEO	1,738	783	850	105	1,755	800	850	105
HYD	3,742	2,574	53	1,115	3,742	2,574	53	1,115
NATG	3,286	3,286			3,283	3,283		
OIL	2,824	1,741	433	651	2,825	1,741	433	652
SOLR	2,129	1,654	407	67	2,243	1,769	407	67
WIND	557	466	91		570	466	104	
TOTAL	27,567	19,777	3,455	4,335	27,777	19,946	3,475	4,356

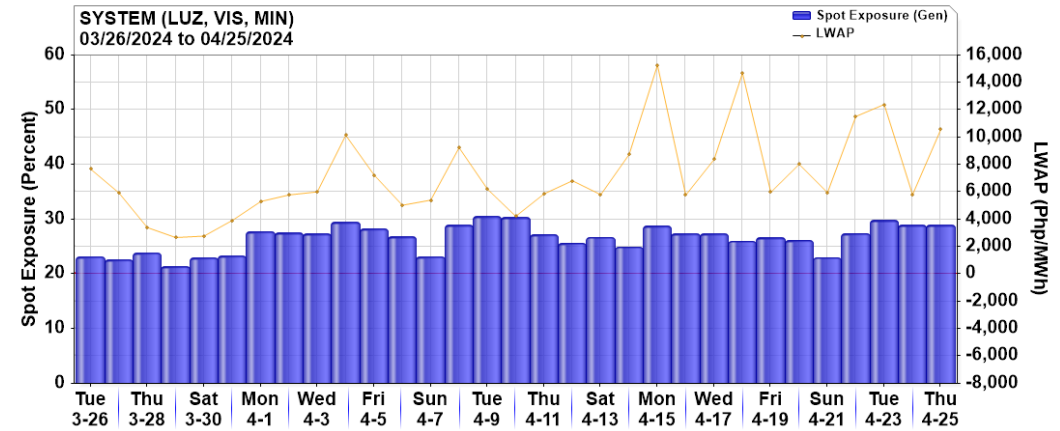
MARKET OUTCOME

SPOT EXPOSURE

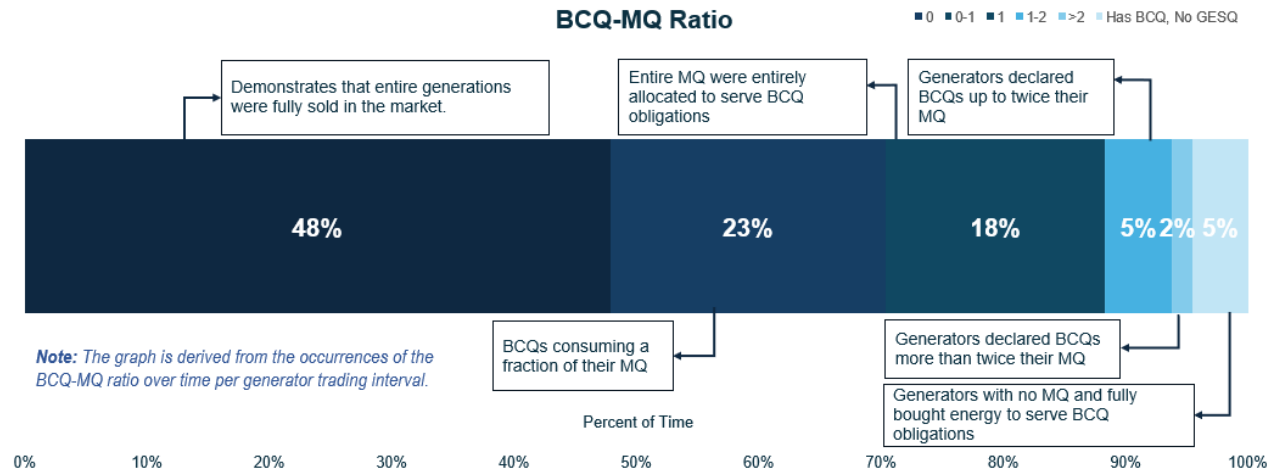
HOURLY SPOT



DAILY SPOT



BCQ-MQ Ratio

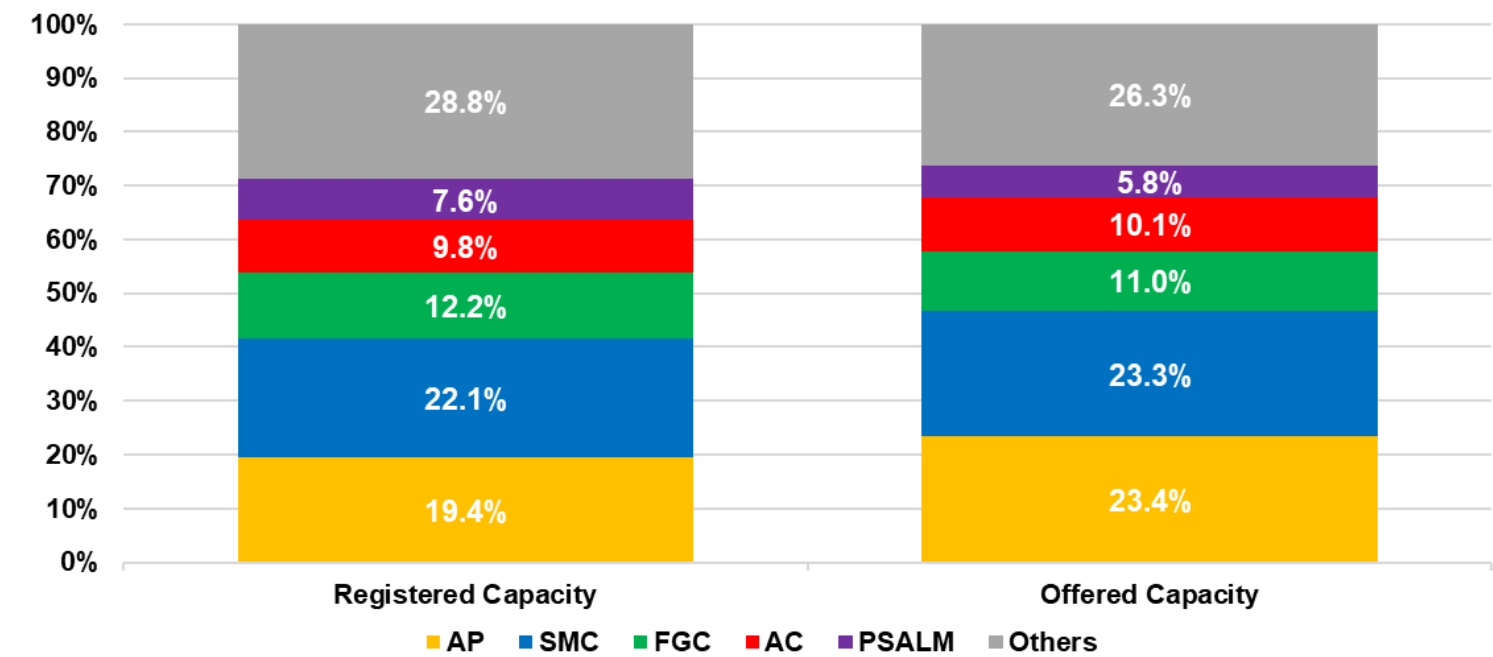


Total spot quantities of generator participants in the April 2024 billing period were at an average of 26.6% with an average price of PHP6,740/MWh during off-peak hours while during peak hours, the average exposure was at 26.7% with an average price of PHP12,304/MWh. In addition, spot exposures during weekends posted an average of 25.1% with an average price of PHP6,538/MWh while it was at an average of 27.3% during weekdays with an average price of PHP11,089/MWh.

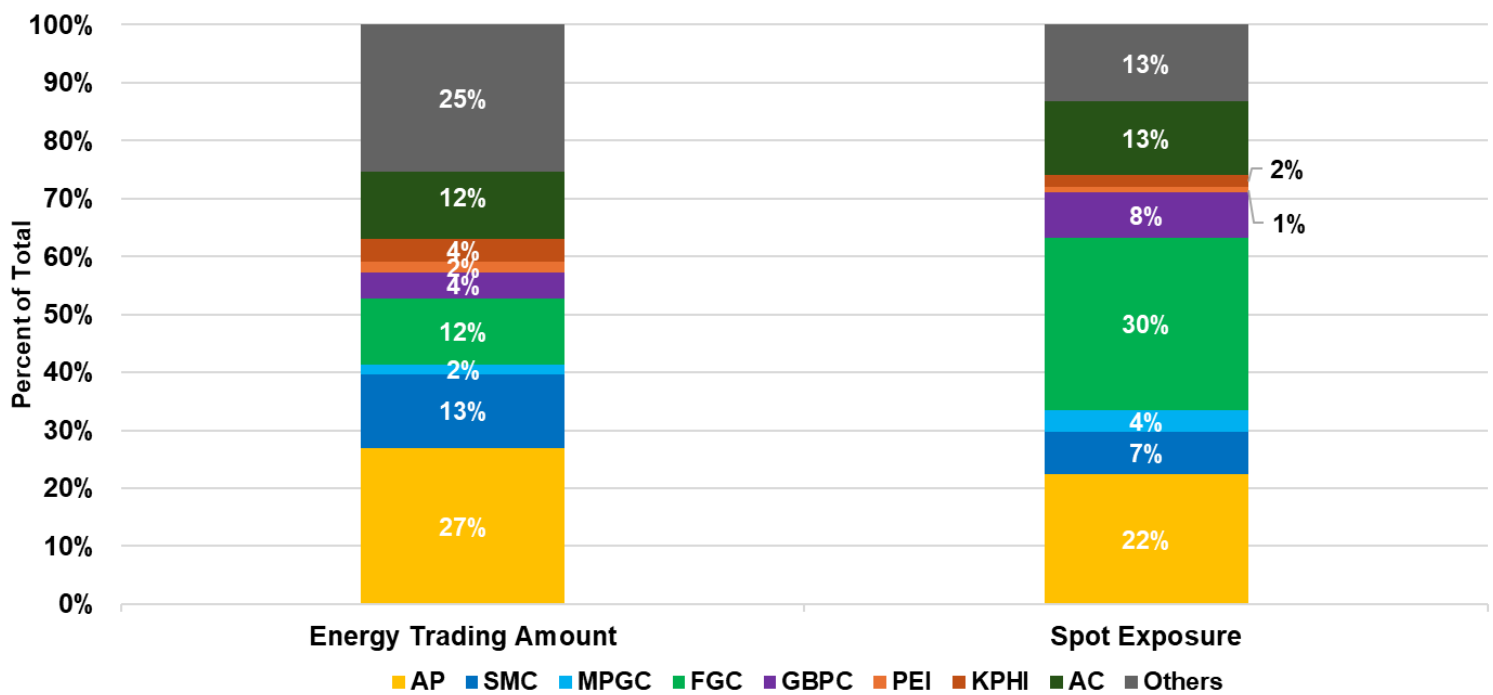
MARKET OUTCOME

STRUCTURAL COMPETITION

SYSTEM MARKET SHARES



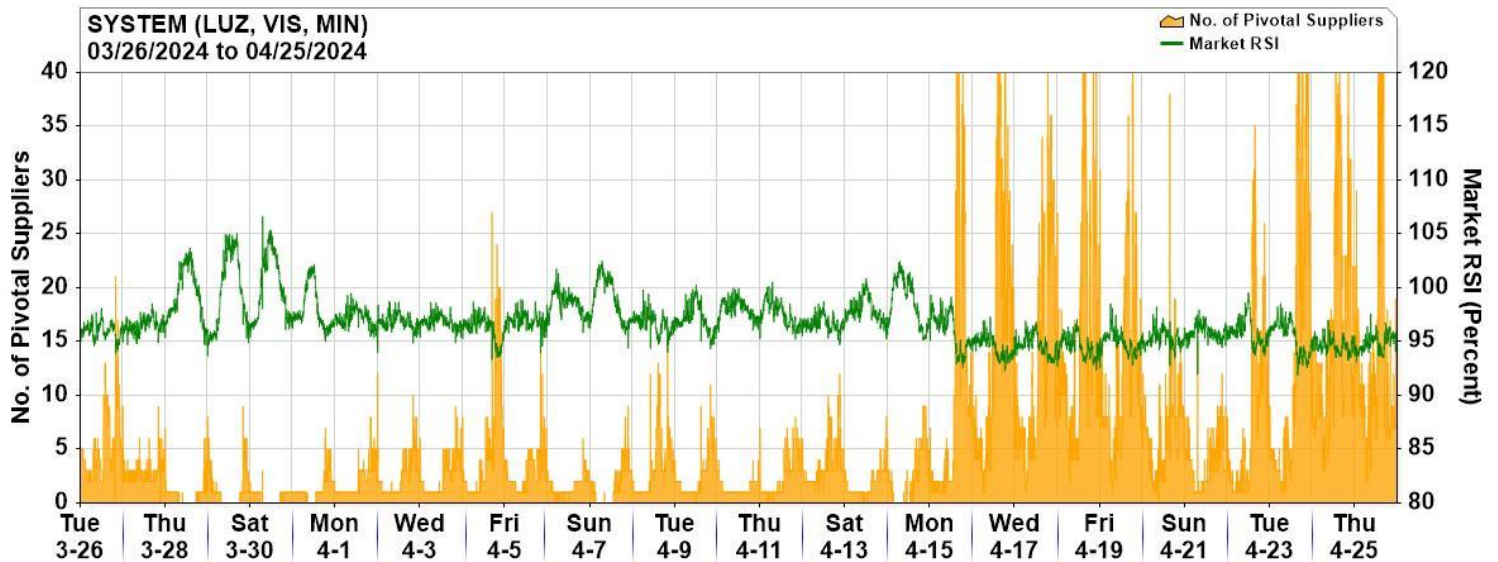
ETA AND SPOT EXPOSURE



MARKET OUTCOME

STRUCTURAL COMPETITION

SYSTEM RSI



SYSTEM PIVOTAL SUPPLIERS

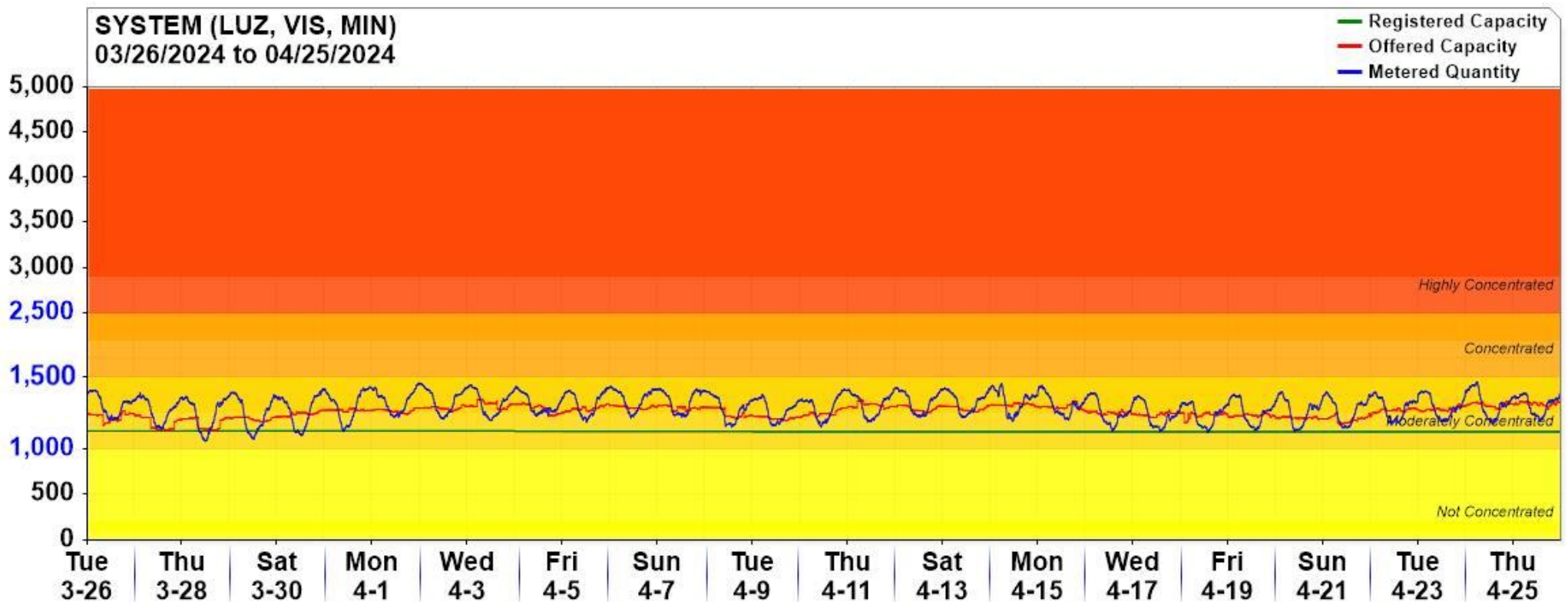


The market Residual Supply Index (RSI) was below the 100% mark for about 91.9% of the time, signifying the presence of pivotal plants in Luzon, Visayas, and Mindanao.

MARKET OUTCOME

STRUCTURAL INDICES

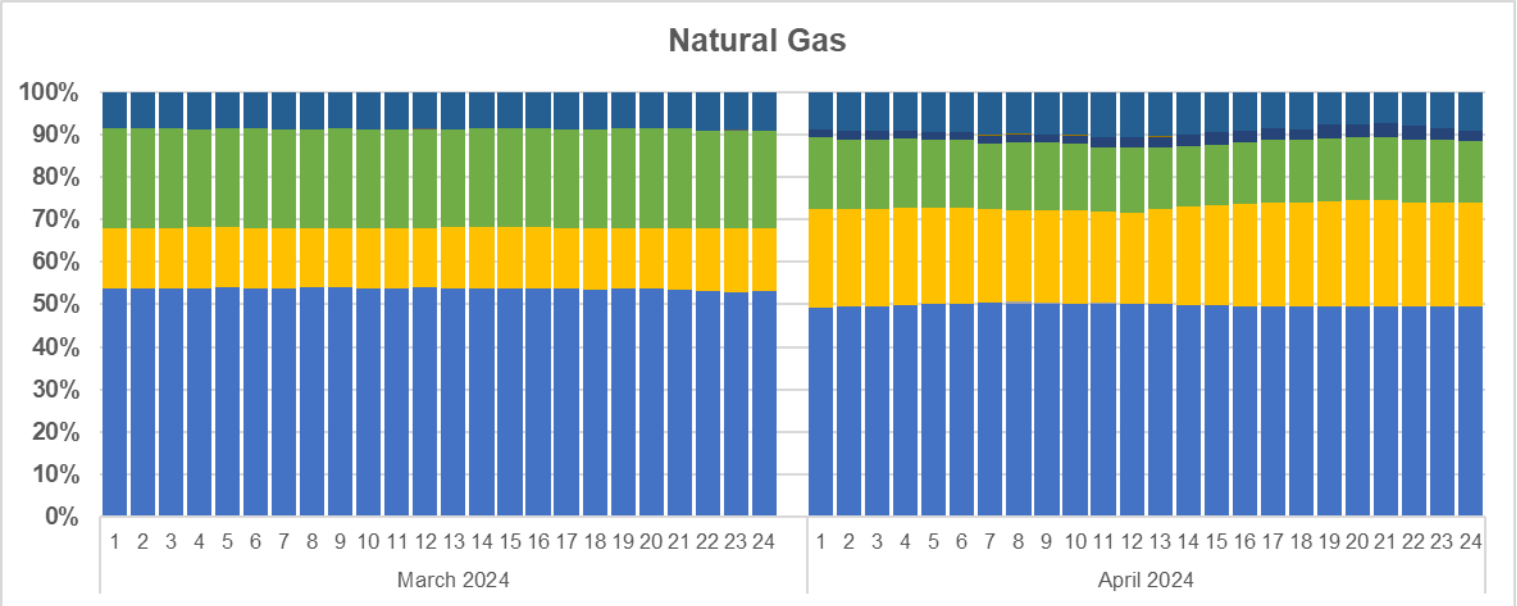
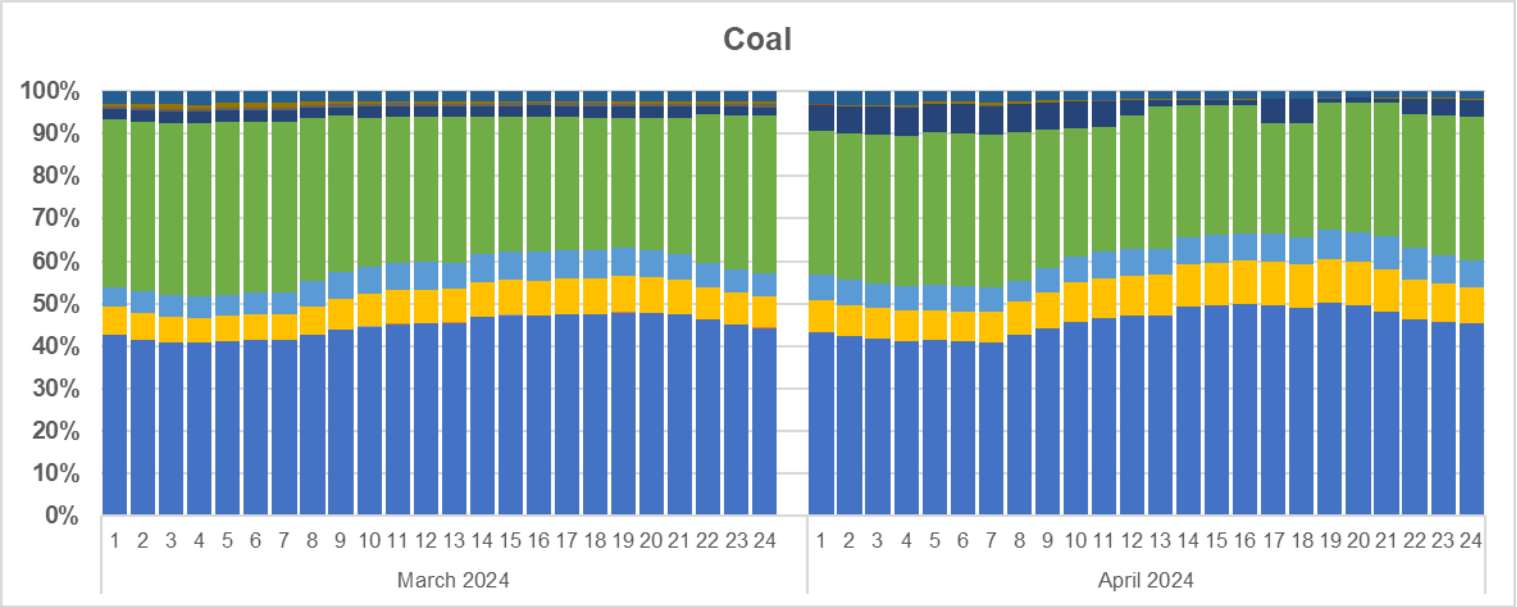
SYSTEM HHI



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

MARKET OUTCOME

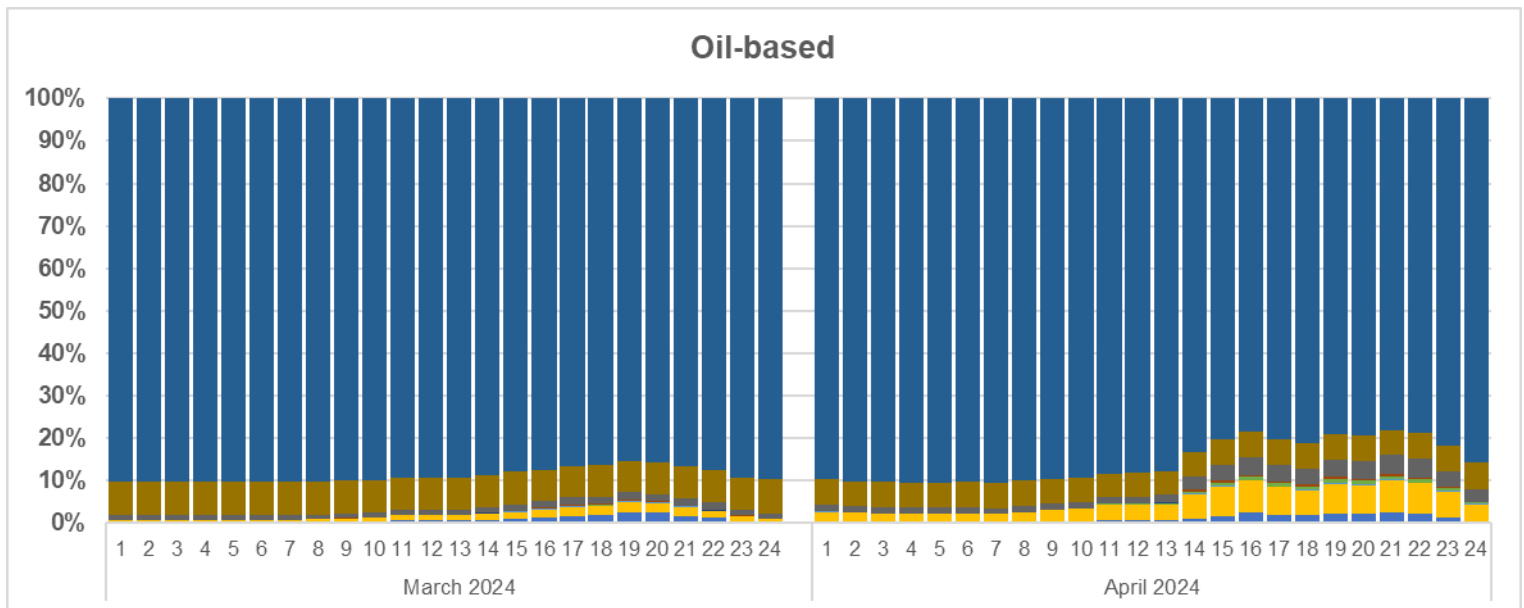
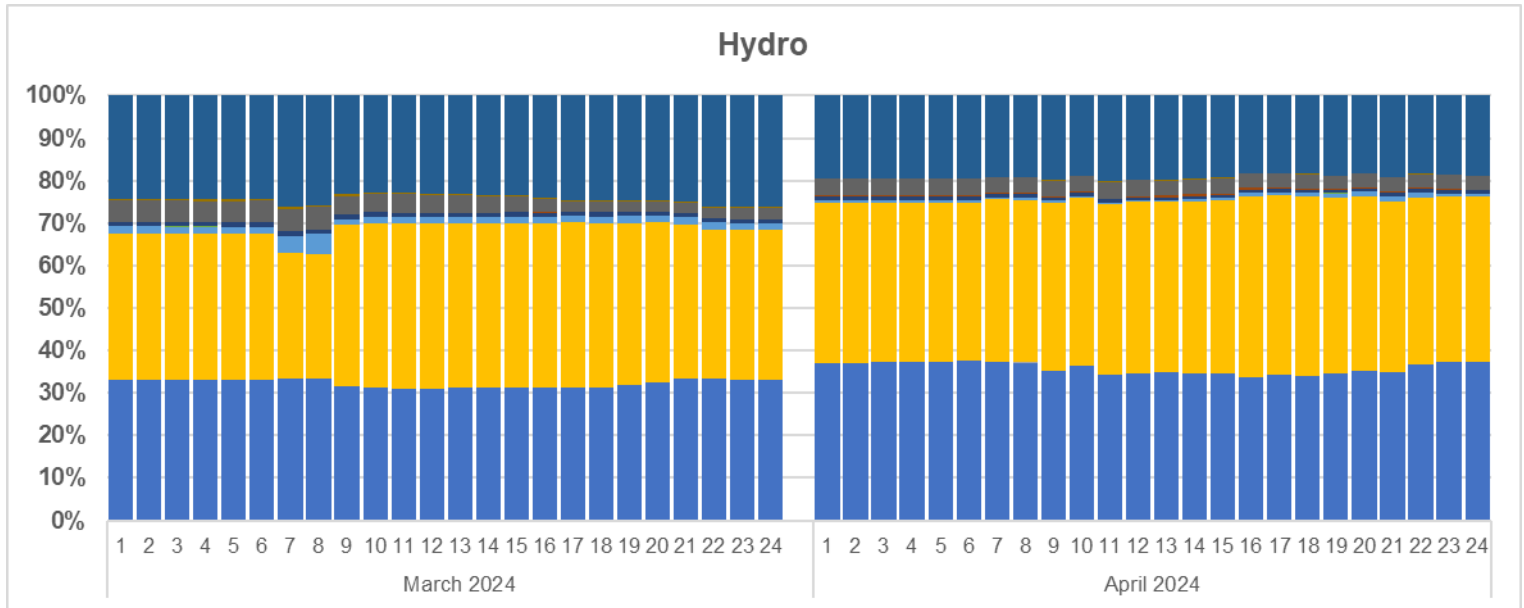
BEHAVIORAL INDICES



■ -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

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 5000
■ 5,000 to 7,500 ■ 7,500 to 10,000 ■ 10,000 to 12,500 ■ 12,500 to 15,000 ■ 15,000 above

All plant types posted an increase in offered prices, which likewise 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	MAGAPIT B	40	04/07/2024 6:46	04/07/2024 15:25		Forced Outage	Affected by Lal-lo-Magapit BESS 69kV Line de-energized.
BAT	CNCEP B	50	04/03/2024 4:58	04/03/2024 19:20		Forced Outage	Affected by line outage of Concepcion-Concepcion BESS 69kV Line.
BAT	MAGAT B	24	03/26/2024 19:16	03/26/2024 20:35		Forced Outage	Declared unavailable due to communication failure.
BAT	ALAMINOS BAT1	20	02/18/2024 9:30			Forced Outage	Unit problem on investigation.
BIOF	GFII	15.8	04/07/2024 11:30	04/08/2024 16:12		Forced Outage	Insufficient fuel.
BIOF	GFII	15.8	03/28/2024 11:03	04/01/2024 12:28		Forced Outage	Unplanned outage due to insufficient fuel.
BIOF	Hypergreen	10	03/23/2024 18:13	04/01/2024 7:58		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.
COAL	APEC 1	25	04/23/2024 0:00			Forced Outage	Extended Maintenance Outage until May 9 2024.
COAL	Pagbilao 1	382	04/16/2024 6:27	04/21/2024 3:03	5	Forced Outage	Unplanned outage due to boiler tube leak.
COAL	Pagbilao 2	382	04/15/2024 21:23	04/21/2024 17:23	6	Forced Outage	Emergency shutdown due to possible tube leak.
COAL	APEC 1	25	04/01/2024 7:01	04/22/2024 23:59	22	Planned Outage	Planned Outage until April 22 2024.
COAL	MPGC U2	150	04/05/2024 23:37	04/18/2024 9:07	12	Forced Outage	Tripped due to manual isolation of main steam.
COAL	SMC 4	150	04/02/2024 22:19	04/12/2024 14:18	10	Forced Outage	Furnace pressure high-high activation due to boiler tube leak
COAL	Calaca 2	300	04/01/2024 0:00			Forced Outage	Extended outage until May 23 2024.
COAL	Masinloc 3	335	03/30/2024 0:00	04/01/2024 1:52	2	Forced Outage	Extended Maintenance Outage.
COAL	SLPGC 2	149.6	03/30/2024 8:58	04/16/2024 6:44	17	Forced Outage	Tripped due to low furnace bed temperature resulting to coking.
COAL	Masinloc 3	335	03/30/2024 0:00			Maintenance Outage	Extended Maintenance Outage.
COAL	ANDA 1	72	03/27/2024 16:44	03/27/2024 19:18		Forced Outage	Affected by the tripping of Mexico Clark 69kV Line 2.
COAL	Masinloc 1	344	03/27/2024 2:30			Forced Outage	Tripped. Reason under investigation.
COAL	Sual 2	647	03/26/2024 23:41	03/30/2024 5:57		Maintenance Outage	Maintenance Outage until March 31 2024
COAL	Masinloc 3	335	03/26/2024 8:34	03/29/2024 23:59		Maintenance Outage	Maintenance outage
COAL	SMC 2	150	03/24/2024 15:47	03/26/2024 6:32		Forced Outage	Turbine trip due to tripping of IDF
COAL	MPGC U2	150	03/10/2024 23:46	03/26/2024 16:48		Maintenance Outage	Post Test & Commissioning Shutdown
COAL	GMEC Power 1	316	03/22/2024 15:15	03/27/2024 13:09		Forced Outage	Emergency shutdown due to boiler tube leak
COAL	Calaca 2	300	03/06/2024 23:51	03/31/2024 23:59		Planned Outage	Planned outage until May 23 2024.
GEO	PALAYAN BINARY	31	04/25/2024 9:39			Maintenance Outage	On-going Test and Commissioning for new plants.
GEO	Tiwi 1	60	11/30/2021 18:32			Forced Outage	Steam supply diverted to Unit 2.
GEO	Makban 8	20	03/05/2024 0:00	03/27/2024 23:59		Planned Outage	Planned Outage until March 27 2024.
GEO	Bacman 3	20	03/08/2024 0:02	03/31/2024 8:44		Planned Outage	Planned outage until March 31 2024.
HYD	Magat 2	97	04/20/2024 16:39	04/23/2024 9:47	3	Forced Outage	No IDR from NIA
HYD	Magat 4	97	04/20/2024 0:00			Forced Outage	No IDR from NIA
HYD	Magat 1	97	04/20/2024 0:01	04/24/2024 14:38	5	Forced Outage	No IDR from NIA
HYD	Sabangan	14.2	04/19/2024 0:00	04/19/2024 11:23		Forced Outage	Extended Outage
HYD	Sabangan	14.2	04/14/2024 0:00	04/18/2024 23:59	5	Planned Outage	Planned Outage
HYD	Magat 3	97	04/17/2024 15:58			Forced Outage	No IDR from NIA
HYD	San Roque 1	145	04/15/2024 0:00			Planned Outage	Planned Outage Annual Preventive Maintenance until April 26 2024
HYD	Magat 4	97	04/12/2024 21:05	04/15/2024 9:49	3	Forced Outage	Due to no Allowable Water Release (AWR).
HYD	Binga 4	35	04/12/2024 6:01			Forced Outage	Unavailable due to reduced reservoir water level.
HYD	Binga 1	35	04/12/2024 6:01			Forced Outage	Unavailable due to reduced reservoir water level.
HYD	Ambuklao 2	37.5	04/12/2024 1:00			Forced Outage	Low water elevation.
HYD	Binga 2	35	04/09/2024 0:04	04/11/2024 8:56		Forced Outage	Declared unavailable due to hydrological constraints.
HYD	Bakun 2	37	04/08/2024 3:17			Forced Outage	Insufficient water supply.
HYD	Ambuklao 2	37.5	04/09/2024 0:01	04/11/2024 8:56		Forced Outage	Declared unavailable due to hydrological constraints.
HYD	Ambuklao 1	37.5	04/10/2024 12:01			Forced Outage	Declared unavailable due to hydrological constraints.
HYD	Binga 4	35	04/07/2024 11:01	04/11/2024 8:56	4	Forced Outage	Declared unavailable due to low water elevation.
HYD	Pantabangan 2	60	04/07/2024 7:01			Forced Outage	Low water level.
HYD	Pantabangan 1	60	04/07/2024 7:01			Forced Outage	Low water level.
HYD	Ambuklao 3	37.5	04/07/2024 7:01	04/08/2024 23:16		Forced Outage	Declared unavailable due to low water elevation.
HYD	Magat 4	97	04/04/2024 12:45	04/08/2024 9:46	4	Forced Outage	No IDR from NIA
HYD	Botocan 1	10	03/30/2024 13:01	03/30/2024 18:59		Forced Outage	Affected Caliraya-Botocan 115kV Line shutdown.
HYD	Magat 4	97	03/03/2024 7:03	04/04/2024 12:45		Planned Outage	Planned Outage until April 4 2024.

ANNEX

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Luzon							
HYD	Magat 3	97	03/19/2024 0:01	04/17/2024 15:58		Planned Outage	Planned outage until April 17 2024.
HYD	Magat 2	97	03/21/2024 7:01	04/20/2024 16:39		Planned Outage	Planned outage until April 21 2024.
HYD	Magat 1	97	03/21/2024 7:01	04/14/2024 11:55		Planned Outage	Planned outage until April 14 2024.
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	Bakun 2	37	03/22/2024 0:00	03/28/2024 10:59		Forced Outage	Insufficient water supply.
HYD	Bakun 1	37	03/23/2024 0:00			Forced Outage	Insufficient 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	AMPHAW 1	12.5	03/01/2024 9:03	03/31/2024 23:59		Planned Outage	Planned outage until March 31 2024.
NATG	Sta. Rita 4	264	04/14/2024 11:55	04/17/2024 3:03		Forced Outage	Tripped due to combustion chamber problem.
NATG	Ilijan B2	190	04/08/2024 19:34	04/10/2024 2:59		Forced Outage	Tripped due to fuel gas pressure low.
NATG	Ilijan B2	190	04/08/2024 9:53	04/08/2024 15:26		Forced Outage	Tripped due to LNG supply trouble.
NATG	Ilijan A1	190	04/08/2024 9:53	04/22/2024 16:29		Forced Outage	Tripped due to LNG supply trouble.
NATG	Ilijan A3	220	04/04/2024 16:26			Forced Outage	Fuel gas supply interruption
NATG	Ilijan A2	190	04/04/2024 16:26	04/10/2024 7:52	6	Forced Outage	Fuel gas supply interruption
NATG	San Gabriel	420	04/01/2024 0:00	04/04/2024 8:52	3	Forced Outage	Extended Outage.
NATG	San Gabriel	420	02/21/2024 23:34	03/31/2024 23:59		Planned Outage	Planned Outage until March 31 2024.
NATG	Ilijan B3	220	03/23/2024 16:25	03/26/2024 7:56		Forced Outage	Fuel gas supply interruption.
NATG	Ilijan B2	190	03/13/2024 18:38	03/26/2024 9:43		Forced Outage	Gas restriction
NATG	Ilijan B1	190	03/23/2024 16:48	03/26/2024 6:12		Forced Outage	Fuel gas supply interruption.
NATG	Ilijan A3	220	03/23/2024 17:27	03/26/2024 16:59		Forced Outage	Fuel gas supply interruption.
NATG	Ilijan A2	190	03/23/2024 17:38	03/26/2024 14:59		Forced Outage	Fuel gas supply interruption.
NATG	Ilijan A1	190	03/23/2024 17:16	04/05/2024 8:05		Forced Outage	Fuel gas supply interruption.
OIL	Limay 6	60	04/23/2024 15:30	04/23/2024 16:05		Forced Outage	Tripped due to activation of Bataan SIPS.
OIL	Malaya 2	130	04/18/2024 20:00			Forced Outage	Shutdown due to furnace pressure high.
OIL	Malaya 2	130	04/18/2024 20:00			Forced Outage	Shutdown due to furnish pressure high.
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	NTNEGB 1	25	04/23/2024 10:51			Forced Outage	Maintenance shutdown.
BIOF	FFHC	9	04/21/2024 19:58	04/24/2024 15:18	3	Forced Outage	Insufficient cane supply.
BIOF	URC 2	16	04/20/2024 5:25	04/20/2024 10:33	0	Forced Outage	Emergency offline due to boiler problem.
BIOF	SCBE	7.4	03/31/2023 10:35			Forced Outage	Plant shutdown
BIOF	FFHC	9	04/14/2024 22:12	04/17/2024 11:40	3	Forced Outage	Offline due to insufficient fuel supply (bagasse).
BIOF	URC 1	30	04/13/2024 4:37			Forced Outage	Offline due to insufficient cane supply.
BIOF	FFHC	9	04/10/2024 6:27	04/10/2024 6:53	0	Forced Outage	Tripped with indication Turbine trip.
BIOF	HPCO 2	9.5	04/09/2024 16:28	04/13/2024 8:08	4	Forced Outage	Isolate from the grid (islanding operation). As per advice by RRA their power plant should only operate as load due to pending completion of protection simulation and submission of test result.
BIOF	FFHC	9	04/07/2024 9:05	04/09/2024 18:45	2	Maintenance Outage	Weekly maintenance.
BIOF	FFHC	9	04/07/2024 9:05			Forced Outage	Weekly maintenance.
BIOF	CASA 1	8	04/07/2024 5:58	04/07/2024 16:31	0	Forced Outage	Affected by PMS along 69kV Dingle-Passi line
BIOF	FFHC	9	03/28/2024 22:39	04/03/2024 0:30	5	Forced Outage	Shutdown due to insufficient fuel supply (bagasse).
BIOF	South Negros	25	03/28/2024 10:30			Forced Outage	Emergency cut out due to insufficient fuel supply (bagasse).
BIOF	CABI 1	12	03/28/2024 10:01	04/01/2024 10:53	4	Forced Outage	Isolate from the grid due to insufficient fuel supply (bagasse)
BIOF	BISCOM 1	30	03/27/2024 22:53	04/02/2024 11:59	6	Forced Outage	Isolated due to tripping of Kabankalan-La Castellana 69kV Line.
BIOF	VMC 2	21.5	03/26/2024 18:47			Forced Outage	Offline due to bagasse conveyor failure.
BIOF	VMC 2	21.5	03/26/2024 4:57	03/26/2024 5:20	0	Forced Outage	Islanding operation due to grid disturbance (tripping of 69KV Bacolod-Reclamation Line).
BIOF	VMC 2	21.5	03/26/2024 2:47	03/26/2024 4:10	0	Forced Outage	VMCI islanding operation due to grid disturbance(tripping of 69KV Bacolod-Reclamation Line).
BIOF	NTNEGB 1	25	03/26/2024 1:58	04/01/2024 6:45	6	Maintenance Outage	Weekly maintenance
BIOF	VMC 2	21.5	03/26/2024 1:41	03/26/2024 2:30	0	Forced Outage	VMCI islanding operation due to grid disturbance(tripping of 69KV Bacolod-Bata Line).
BIOF	South Negros	25	03/26/2024 1:34	03/26/2024 19:31	1	Forced Outage	Auto-tripped affected by tripping of 69KV Bacolod-San Enrique Line. (Unplanned Outage)

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Visayas							
BIOF	VMC 2	21.5	03/26/2024 0:36	03/26/2024 0:59	0	Forced Outage	Isolated due to tripping of 69kV Bacolod-Silay Line.
BIOF	VMC 2	21.5	03/26/2024 0:19	03/26/2024 0:29	0	Forced Outage	Islanding operation due to grid disturbance(tripping of 69KV Bacolod-Reclamation Line).
BIOF	HPCO 2	9.5	03/26/2024 0:19	03/28/2024 14:05	3	Forced Outage	Islanding operation due to grid disturbance(tripping of 69KV Bacolod-Reclamation Line).
BIOF	FFHC	9	03/25/2024 2:08	03/26/2024 3:37	1	Maintenance Outage	Weekly maintenance.
COAL	THVI 2	169	04/15/2024 0:47	04/22/2024 0:21	7	Forced Outage	TVI UNIT 2 CUT-IN WITH INITIAL LOAD OF 5.6 MW
COAL	THVI 2	169	04/15/2024 0:47			Forced Outage	Emergency cut-out due to excessive bed material leak at Furnace Windbox #2 Ash drain
COAL	PALM 1	135	03/31/2024 0:00			Forced Outage	Extended maintenance
COAL	PALM 1	135	03/31/2024 0:00			Maintenance Outage	Under PMS as per maintenance outage class 1.1.2.2.2
COAL	PEDC 2	83.7	03/29/2024 20:42	04/01/2024 1:25	2	Forced Outage	boiler tube leak at back pass area
COAL	PALM 1	135	02/18/2024 0:01	03/31/2024 0:00	42	Maintenance Outage	Under PMS as per maintenance outage class 1.1.2.2.2
GEO	PGPP2 Unit 3	19.5	04/25/2024 21:31			Planned Outage	Offline due to software upgrading.
GEO	Leyte 3	40.2	04/21/2024 0:38			Maintenance Outage	Tripped.
GEO	Mahanagdong A2	5	04/16/2024 17:19			Forced Outage	Due to lack of steam
GEO	Mahanagdong B1	5	04/15/2024 5:13	04/15/2024 15:26	0	Forced Outage	On islanding operation affected by emergency rectification of phase A overhead ground cable in switchyard gantry
GEO	Malibog 1	73.12	04/13/2024 19:22			Forced Outage	Due to high vibration.
GEO	Upper Mahiao 4	27.5	04/09/2024 0:06	04/10/2024 20:54	2	Forced Outage	Rectify OEC 42
GEO	Upper Mahiao 2	30	02/14/2024 17:32			Forced Outage	Insufficient steam supply
GEO	Upper Mahiao 1	26.9	11/25/2022 11:07			Forced Outage	Insufficient steam supply
GEO	Mahanagdong A1	5	04/02/2024 13:36	04/14/2024 21:29	12	Forced Outage	False activation of frequency relay
GEO	Nasulo	47.5	04/04/2024 11:44	04/09/2024 10:19	5	Forced Outage	Tripped with indication condenser level very high.
GEO	Mahanagdong A1	5	04/01/2024 15:49			Forced Outage	False activation of over frequency relay.
GEO	PGPP2 Unit 3	19.5	03/26/2024 12:09	03/26/2024 12:52	0	Forced Outage	Auto tripped with indication condenser vacuum low low.
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	04/21/2024 20:20	79	Forced Outage	Forced outage.
GEO	Nasulo	47.5	03/24/2024 0:04	03/27/2024 22:41	4	Maintenance Outage	Offline for minor PMS.
GEO	Mahanagdong A2	5	03/18/2024 20:36	03/31/2024 16:38	13	Forced Outage	insufficient steam supply
GEO	Leyte 1	41	03/18/2024 10:52			Maintenance Outage	Scheduled PMS.
HYD	TIMBABAN HEP1	18.9	04/13/2024 5:01	04/13/2024 18:25	1	Forced Outage	OFF-LINE (due to PMS of NGCP)
HYD	THC 3	5.1	03/22/2024 18:09			Forced Outage	Low forebay level.
HYD	THC 1	5	02/21/2024 21:15			Forced Outage	Low forebay level.
OIL	GTEC U2	5.5	04/25/2024 15:18			Forced Outage	Due to high vibration of cooling tower caused by high temperature.
OIL	GTEC U1	5.5	04/25/2024 15:18			Forced Outage	Due to high vibration of cooling tower caused by high temperature.
OIL	TPV14	5.5	04/25/2024 13:25			Forced Outage	Starting Failure due to Load Fluctuation at Synchronization
OIL	TPC Carmen 4	10	04/24/2024 10:01			Forced Outage	Unavailable due to fresh water leak at cylinder no. 1
OIL	GTEC U2	5.5	04/23/2024 18:34			Forced Outage	Emergency shutdown due to cooling tower high temperature alarm.
OIL	GTEC U1	5.5	04/23/2024 18:34			Forced Outage	Emergency shutdown due to cooling tower high temperature alarm.
OIL	East Asia 2	11	04/23/2024 11:45	04/23/2024 12:18	0	Forced Outage	Shutdown due to exhaust gas surging
OIL	PDPP1 Unit 2	5	04/21/2024 14:32	04/23/2024 19:54	2	Forced Outage	Surging at TC A bank
OIL	PDPP3 G	13	04/20/2024 18:00			Forced Outage	Unable to cut-in due to excessive water leak at charge air cooler A bank
OIL	PDPP3 H	13	04/18/2024 17:27	04/22/2024 13:42	4	Forced Outage	Abnormal sound at turbo charger B-Bank
OIL	TPC Carmen 2	10	04/17/2024 20:26	04/17/2024 22:11	0	Forced Outage	Emergency shutdown due to heavy lube oil leak for lubrication of injection pump #5
OIL	CENPRI 5	6.7	04/17/2024 8:00			Forced Outage	Replacement of turbo charger and charge air coolers.
OIL	GTEC U2	5.5	04/16/2024 16:04	04/22/2024 13:23	6	Forced Outage	Due to cooling tower problem
OIL	GTEC U1	5.5	04/16/2024 16:04	04/22/2024 13:23	6	Forced Outage	Due to cooling tower problem
OIL	PDPP3 H	13	04/09/2024 17:06	04/11/2024 20:31	2	Forced Outage	abnormal sound at turbo charger b bank
OIL	PDPP3 G	13	04/08/2024 15:36			Forced Outage	water leak at center casing of turbo charger b-bank
OIL	PB101 Unit 1	6	04/06/2024 19:39	04/11/2024 3:00	4	Forced Outage	Excessive surging of TC left bank
OIL	PB101 Unit 3	6	04/01/2024 16:30			Forced Outage	Starting failure
OIL	PDPP3 C	12	03/31/2024 20:03	04/01/2024 15:01	1	Forced Outage	CUT-OUT DUE TO ABNORMAL SOUND AT LUBE OIL PUMP MOTOR.
OIL	PB101 Unit 2	6	03/29/2024 20:55			Forced Outage	smoke coming out at sampling outlet
OIL	PDPP1 Unit 3	5	03/29/2024 19:08			Forced Outage	stock up fuel injection pump cyl 5
OIL	PDPP3 G	13	03/28/2024 23:04	03/29/2024 18:09	1	Forced Outage	Due to Gas leak
OIL	PDPP3 H	13	03/28/2024 21:17	03/31/2024 13:49	3	Forced Outage	Due to water leak
OIL	PB101 Unit 2	6	03/28/2024 15:58	03/28/2024 18:07	0	Forced Outage	Due to fuel leak
OIL	East Asia 1	11.5	03/28/2024 6:08	03/28/2024 14:06	0	Forced Outage	Affected by the PMS activity of Lapulapu-Poog (Feeder 5) 69 kV Line per Customer (MECO) request
OIL	PDPP1 Unit 2	5	03/27/2024 12:43	03/27/2024 16:23	0	Forced Outage	Excessive exhaust gas leak
OIL	PDPP3 H	13	03/26/2024 23:47	03/27/2024 8:11	0	Forced Outage	OFF-LINE due to engine vibration
OIL	PDPP3 C	12	03/26/2024 14:22	03/28/2024 13:07	2	Forced Outage	Due to turbocharger problem
OIL	PDPP3 E	12	03/26/2024 13:47	03/29/2024 10:08	3	Forced Outage	Offline due to water leak
OIL	PDPP3 C	12	03/26/2024 9:02	03/26/2024 12:06	0	Forced Outage	Auto-tripped due to high torsional vibration
OIL	CENPRI 4	6.7	03/26/2024 8:56	03/27/2024 0:33	1	Forced Outage	To conduct inspection of water leak at left bank turbocharger.
OIL	PDPP3 H	13	03/26/2024 8:15	03/26/2024 12:07	0	Forced Outage	Corrective maintenance of lube oil filter
OIL	PDPP3 C	12	03/26/2024 8:05	03/26/2024 8:39	0	Forced Outage	Auto-tripped due to high torsional vibration
OIL	TPC Carmen 1	10	03/15/2024 11:41	04/02/2024 21:38	18	Forced Outage	UNABLE TO CUT-IN DUE TO UNIT BREAKER AND GENERATOR PROBLEM
OIL	PDPP1 Unit 3	5	03/25/2024 21:10	03/26/2024 13:43	1	Forced Outage	AUTO TRIPPED (Exhaust gas leakages)
SOLR	Isasol 3	40.5	04/07/2024 14:04	04/07/2024 16:09	0	Forced Outage	Islanding operation due to tripping of their 4.16kV Breaker with indication GSM Vector Disturbance.
SOLR	Isasol 2	27.2	03/26/2024 1:34	03/26/2024 9:55	0	Forced Outage	Isolated due to tripping of Bacolod-San Enrique 69kV Line.
WIND	SLWind	54	04/23/2024 13:32	04/23/2024 16:46	0	Forced Outage	Affected by line fault.
WIND	SLWind	54	03/30/2024 17:31	03/30/2024 18:33	0	Forced Outage	Buenavista - San Lorenzo 69kV Line de-energized to remove the kite along the affected line.
Mindanao							
BIOF	14TACUR	6	04/17/2024 21:23	04/25/2024 14:29	8	Forced Outage	Forced Outage due to economizer leakage. Unplanned Outage
HYD	AG5 U2	27.5	04/13/2024 8:02	04/17/2024 17:19	4	Planned Outage	PMS (GOMP). ETC Planned Outage.
HYD	AG5 U2	27.5	04/13/2024 8:02			Planned Outage	PMS (GOMP). ETC April 21 2024. Planned Outage.
HYD	AG5 U2	27.5	04/13/2024 8:02			Forced Outage	Shutdown due to APMS. (Planned Outage).
HYD	AG5 U1	27.5	04/02/2024 8:03	04/06/2024 13:42	4	Planned Outage	PMS (GOMP). ETC May 10 2024
HYD	TU2 U1	8	03/06/2024 16:27	04/02/2024 0:10	26	Forced Outage	Forced outage due to High Vibration DE(Drive End) Axial and High Vibration DE Radial 2.

Connect with PEMC

✉ pemc_info@wesm.ph

☎ +63 2 8631 8734

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



[pemcinfo](#)



[pemcinfo](#)



[PEMC Info](#)



[PEMC Info](#)