



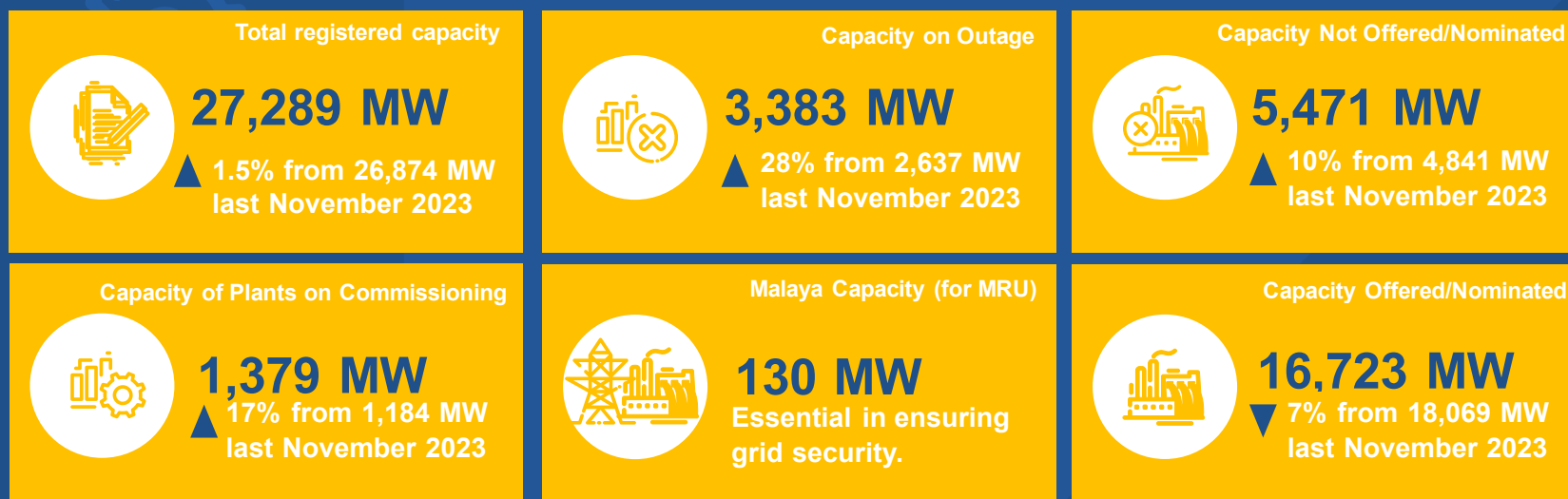
MONTHLY MARKET ASSESSMENT HIGHLIGHTS

26 November to 25 December 2023

SUMMARY OF OBSERVATIONS

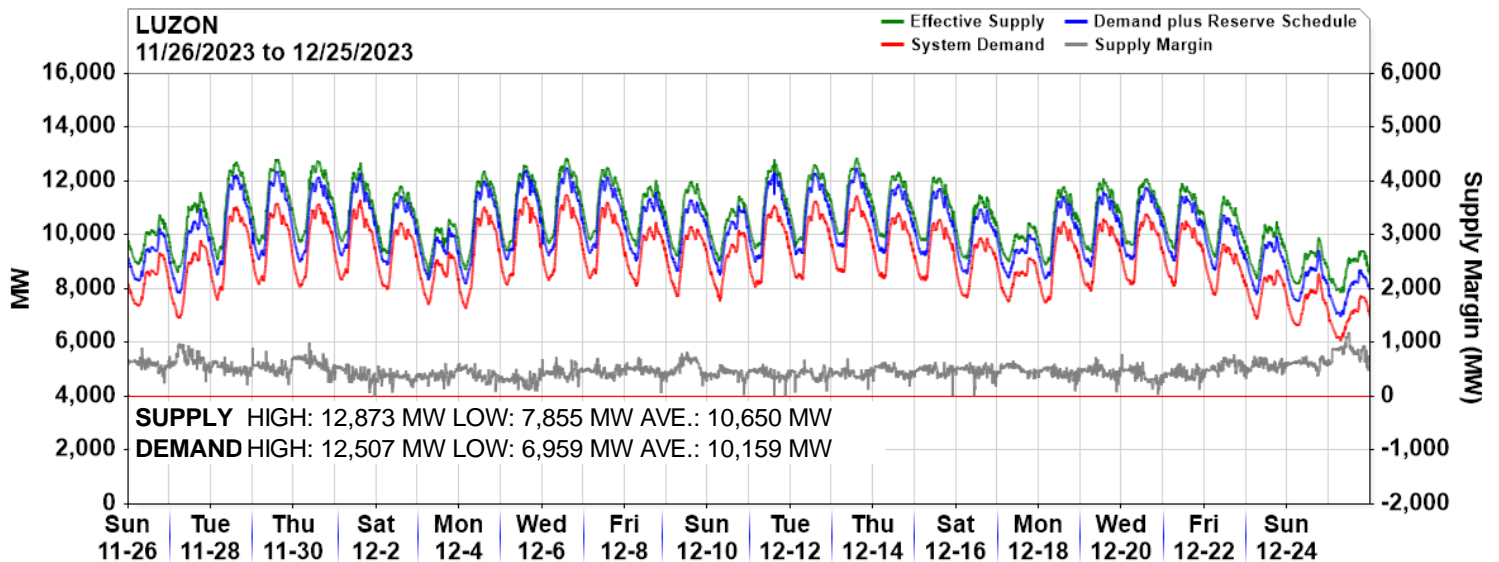
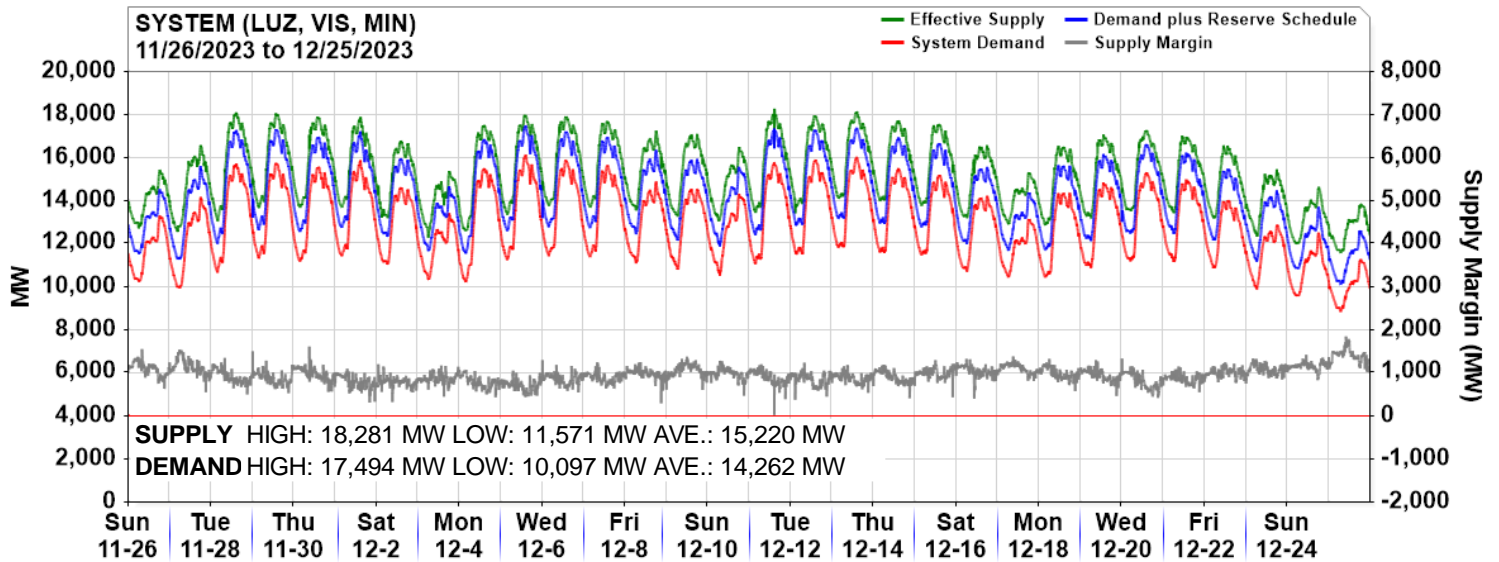
- **Imposition of SPC in Visayas for three (3) intervals** during the subject billing period.
- Automatic load dropping (ALD) occurred on 02 December 2023 due to the tripping of Ilijan NGPP units.
- Tripping of Sta. Rita NGPP units that prompted for the Luzon grid to activate the Automatic Load Dropping (ALD) on 16 December 2023
- Notable congestion(s):
 - Maasin-Ubay line 1 (Leyte-Bohol submarine cable) was congested for 944 intervals, or equivalent to 11% of the time, brought about by the frequent maximization of the line's capacity limit due to the tight supply situation in Bohol, noting the insufficiency of power plant capacity in the said area.

AT A GLANCE



MARKET OUTCOME

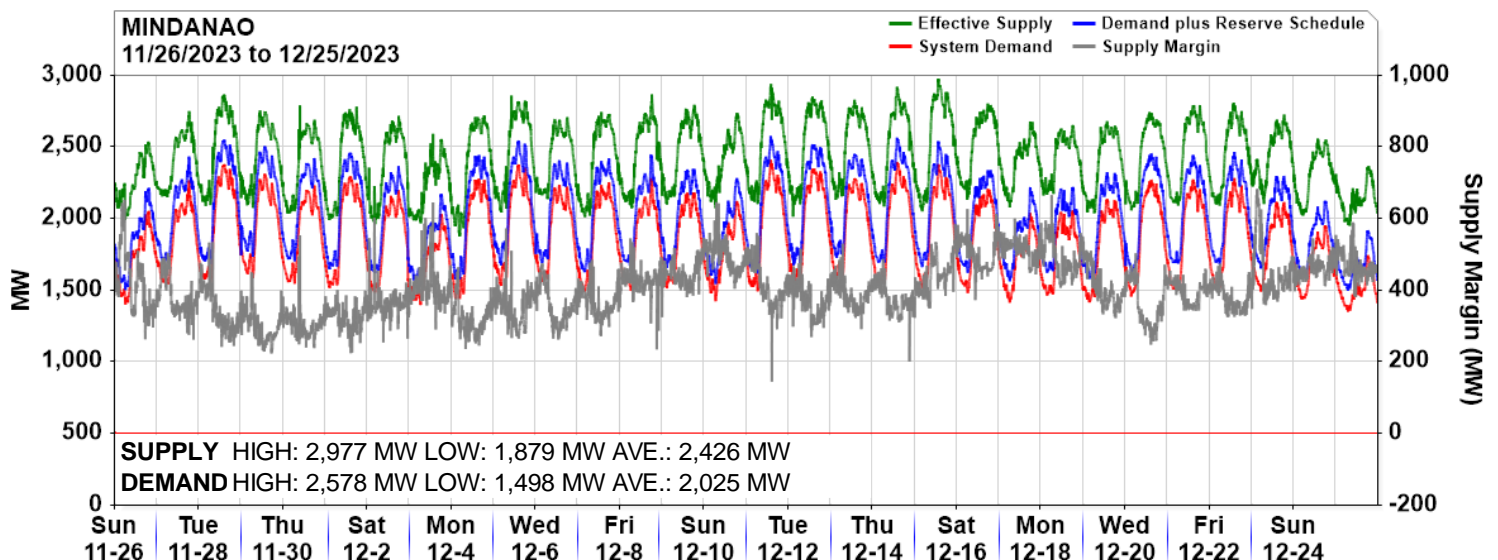
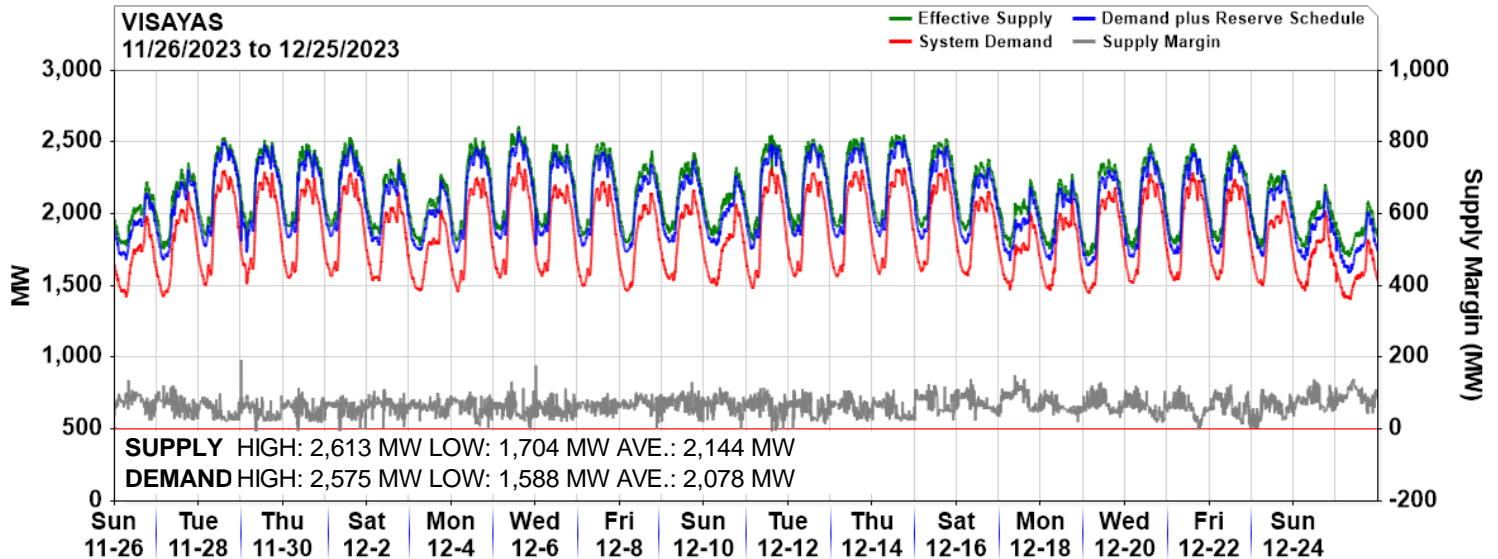
SUPPLY AND DEMAND



The Supply Margin decreased brought about by the significant increase in the level of capacities on outage.

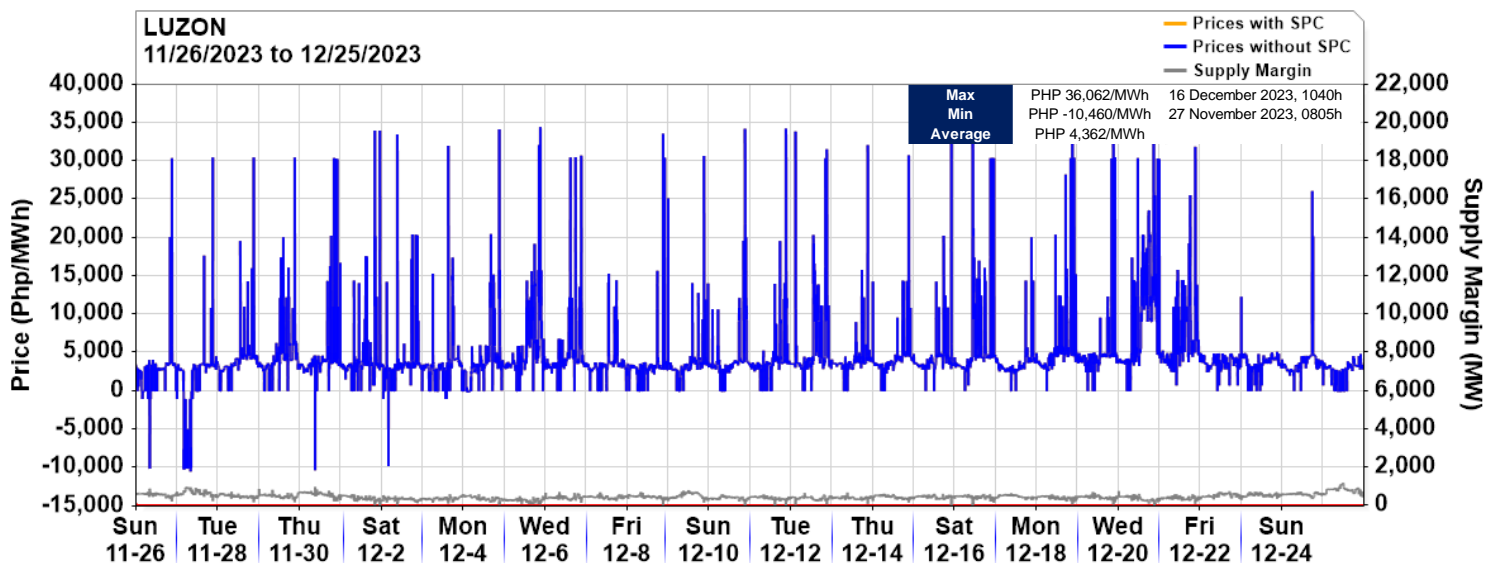
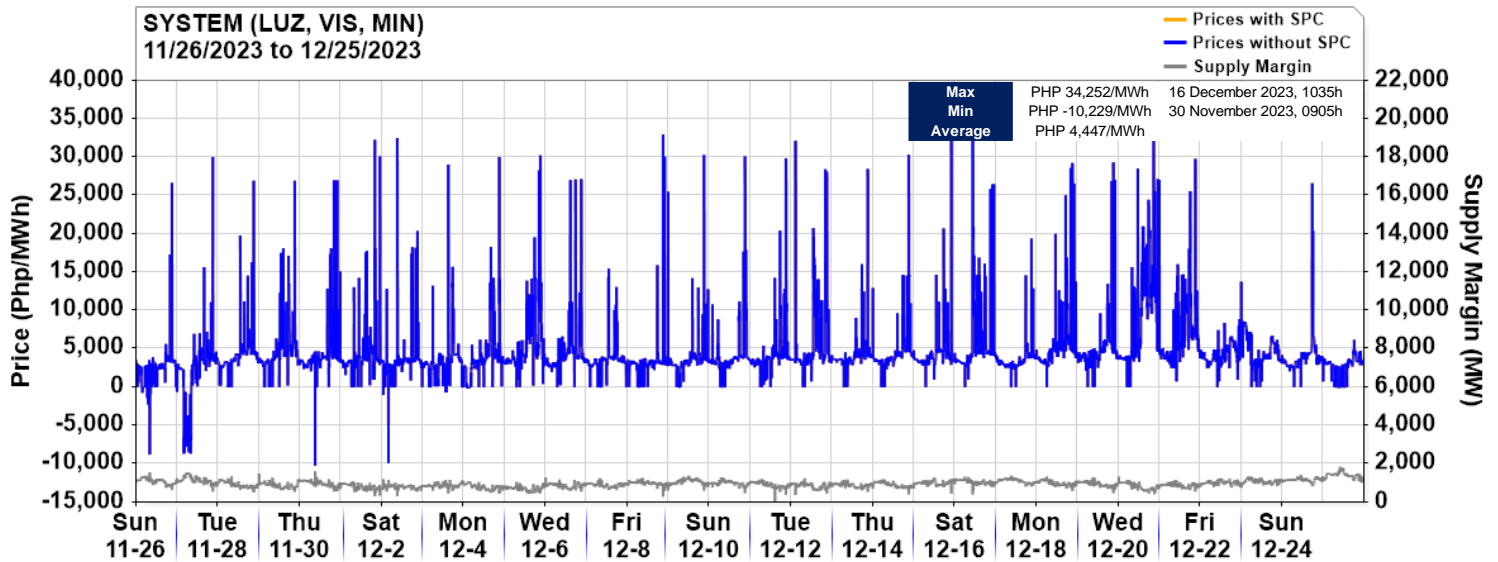
MARKET OUTCOME

SUPPLY AND DEMAND



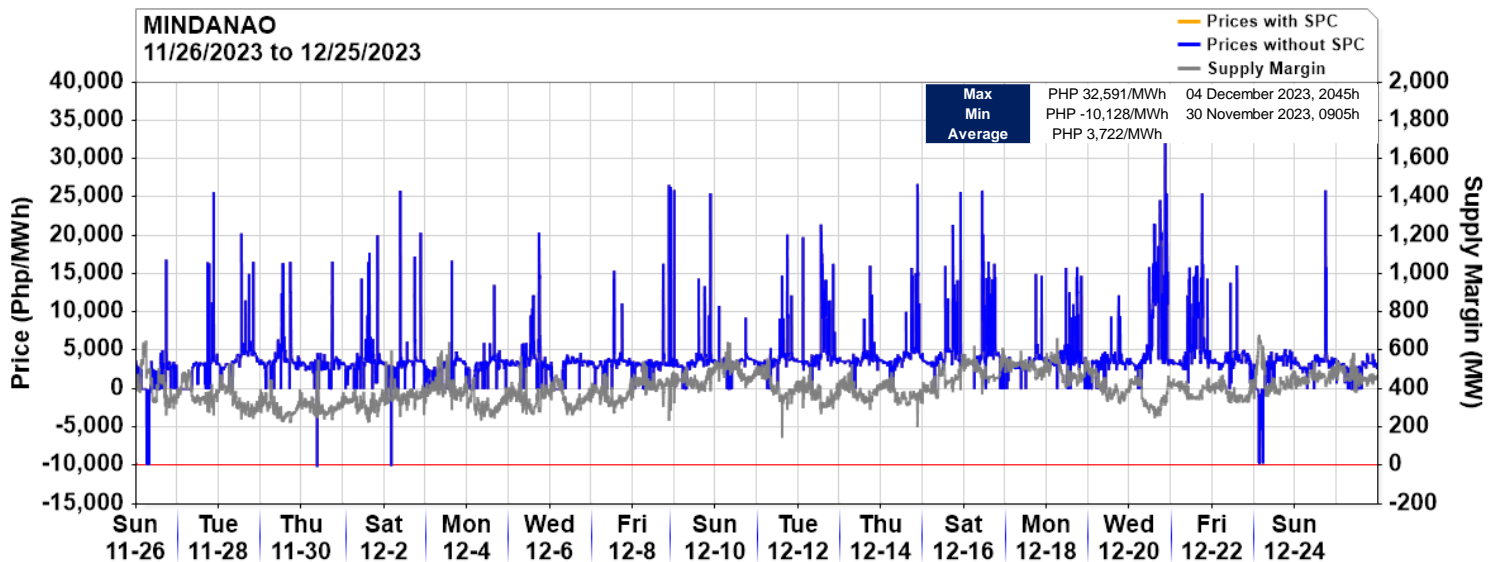
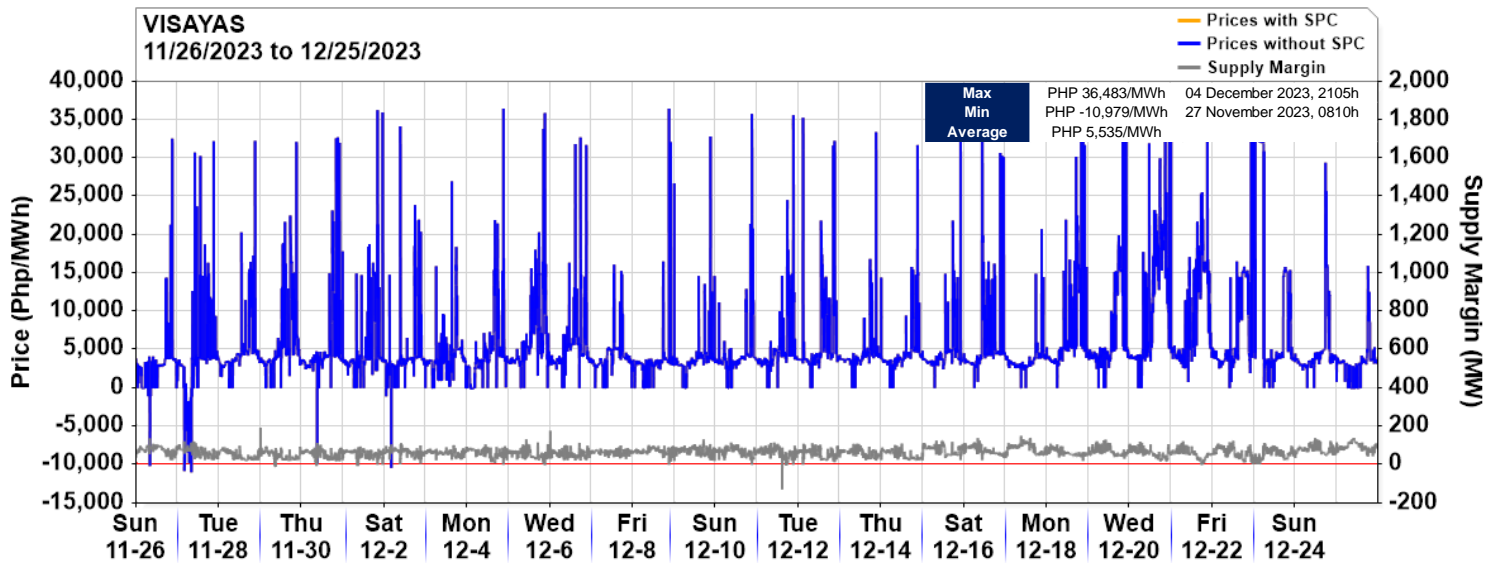
MARKET OUTCOME

MARKET PRICES



MARKET OUTCOME

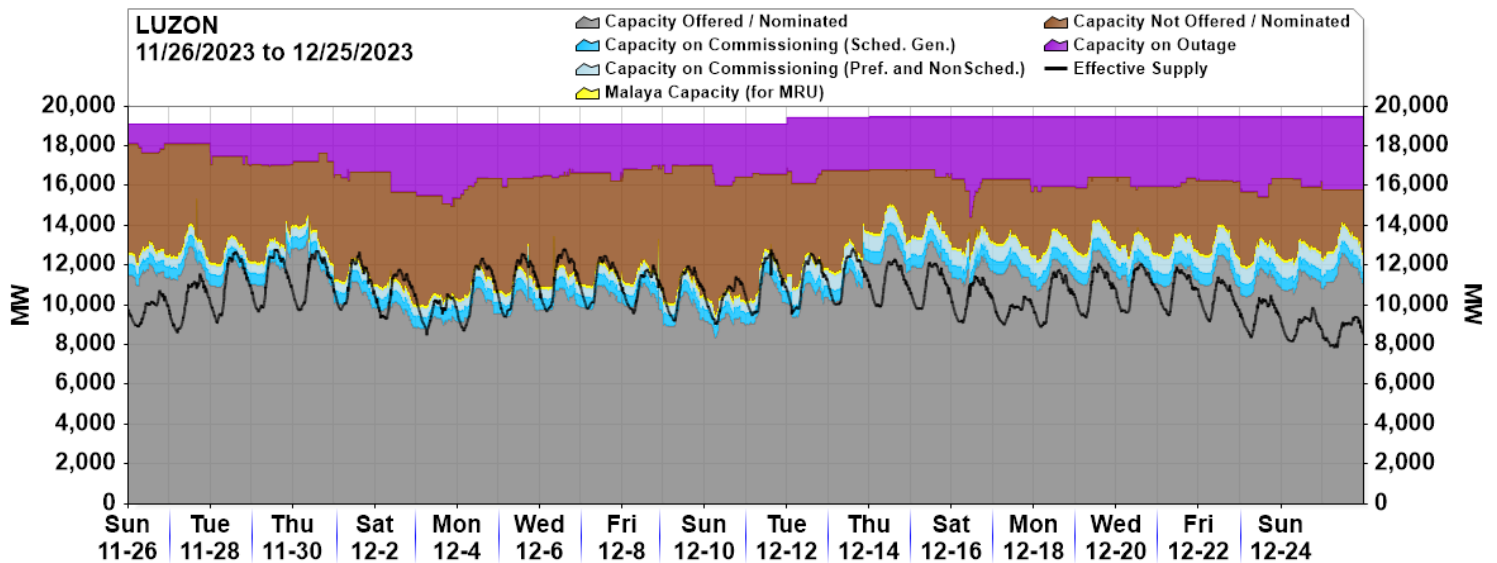
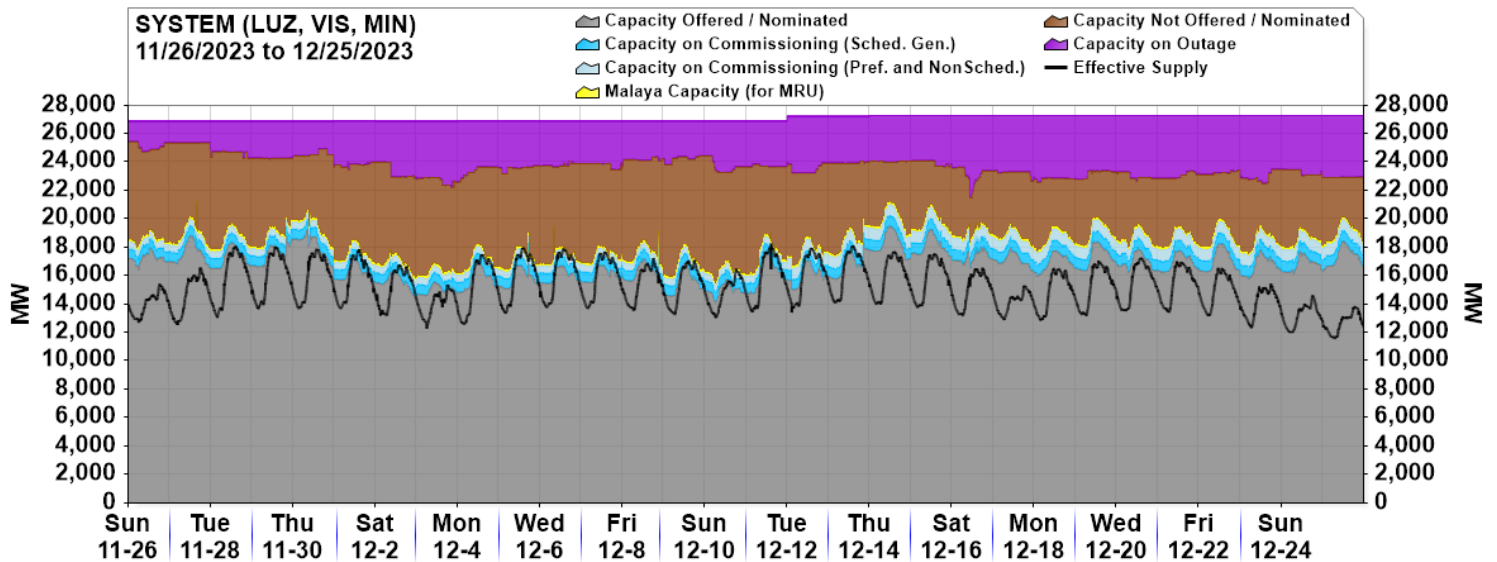
MARKET PRICES



There were noted instances of price spikes in Luzon, Visayas, and Mindanao regions, affected mainly by the availability of supply to meet the demand. There was no imposition of system-wide secondary price cap, but there were three (3) intervals issued with SPC in the Visayas region during the month in review.

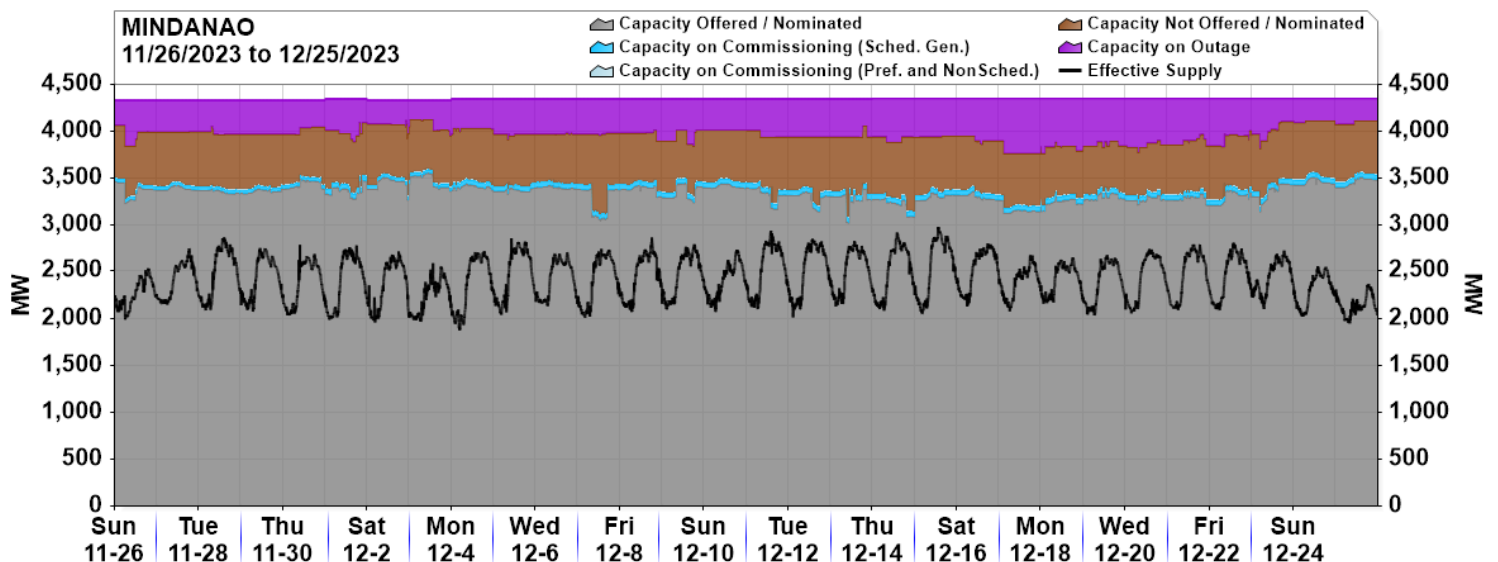
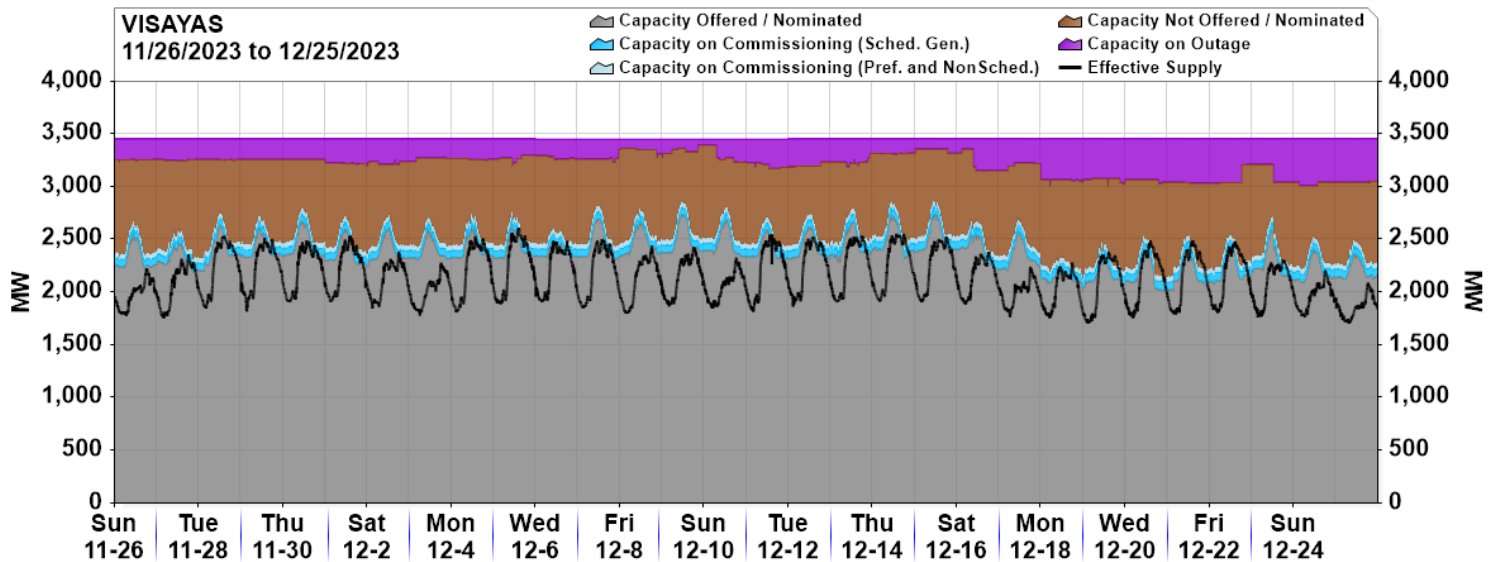
MARKET OUTCOME

CAPACITY PROFILE



MARKET OUTCOME

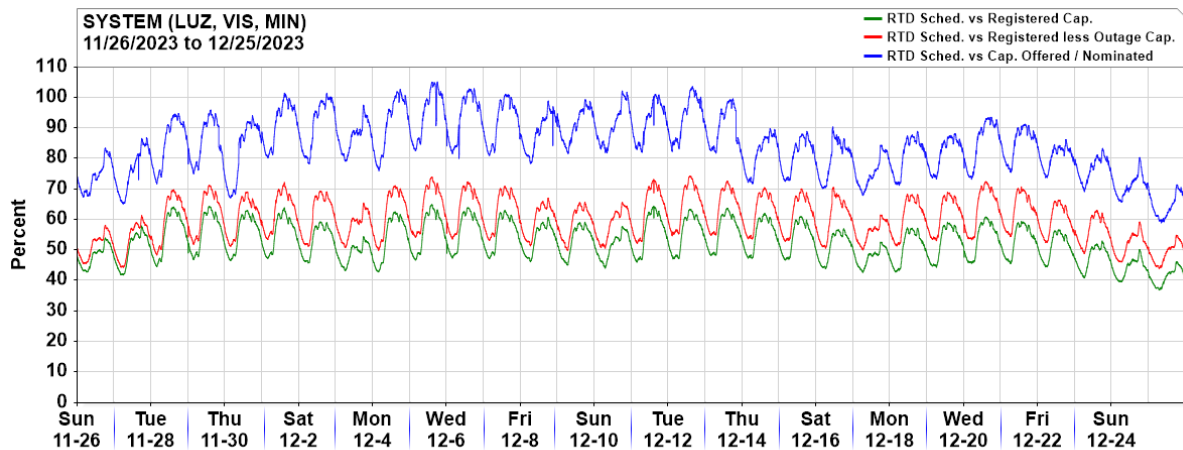
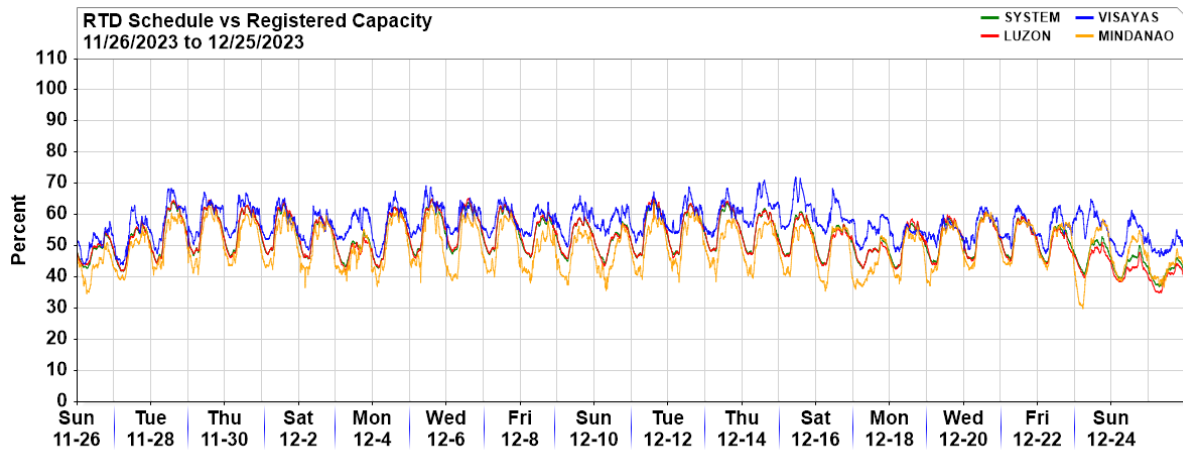
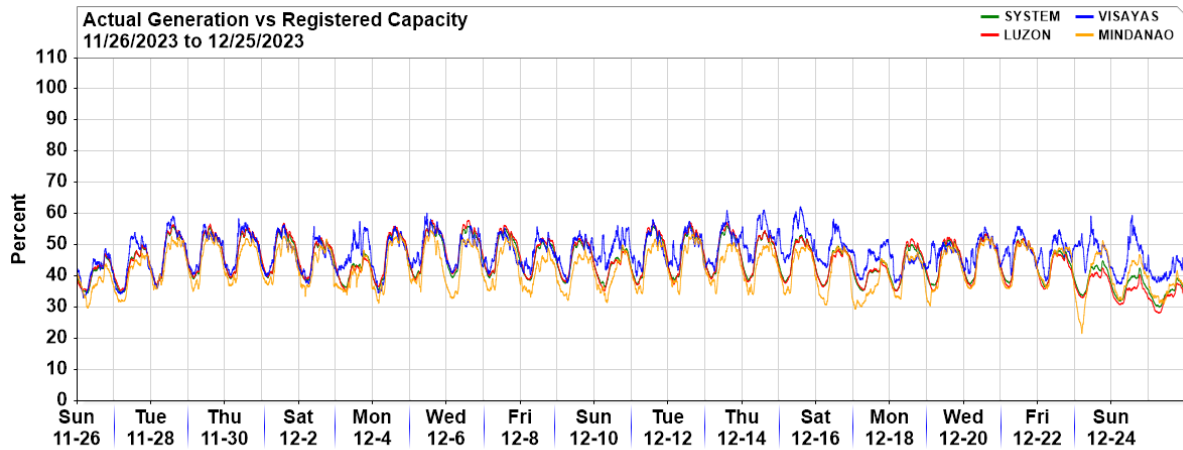
CAPACITY PROFILE



A total system registered capacity of 27,288.6 MW was noted during the billing period in review. Of the total registered capacity, 5,471 MW was under the Capacities Not Offered/Nominated which was mostly attributable to resource constraints and subject to further validation with the Enforcement and Compliance Office of PEMC.

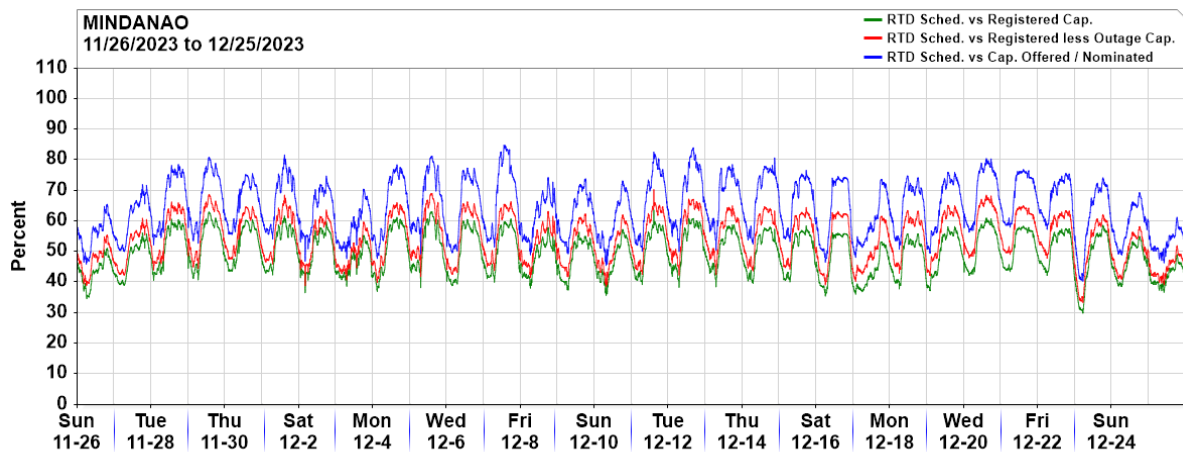
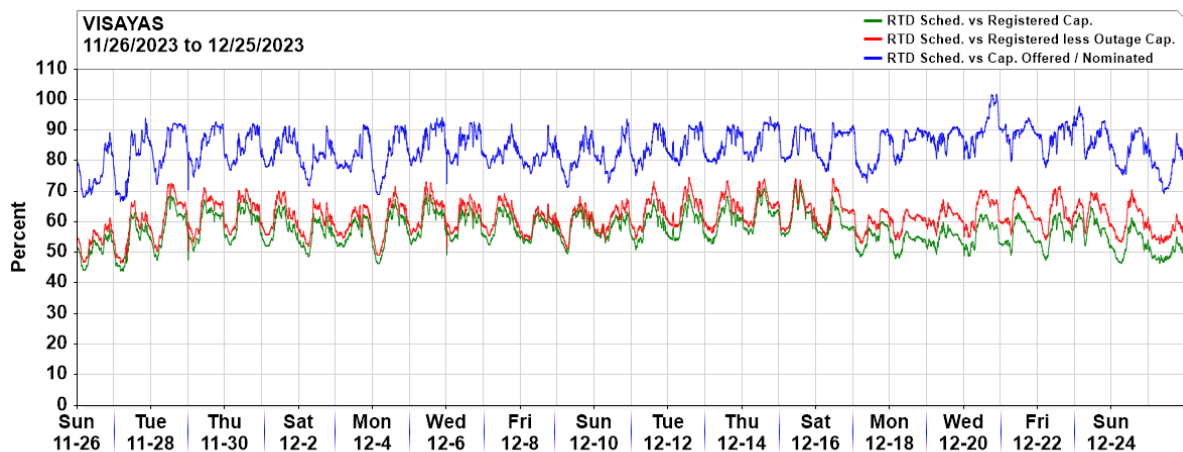
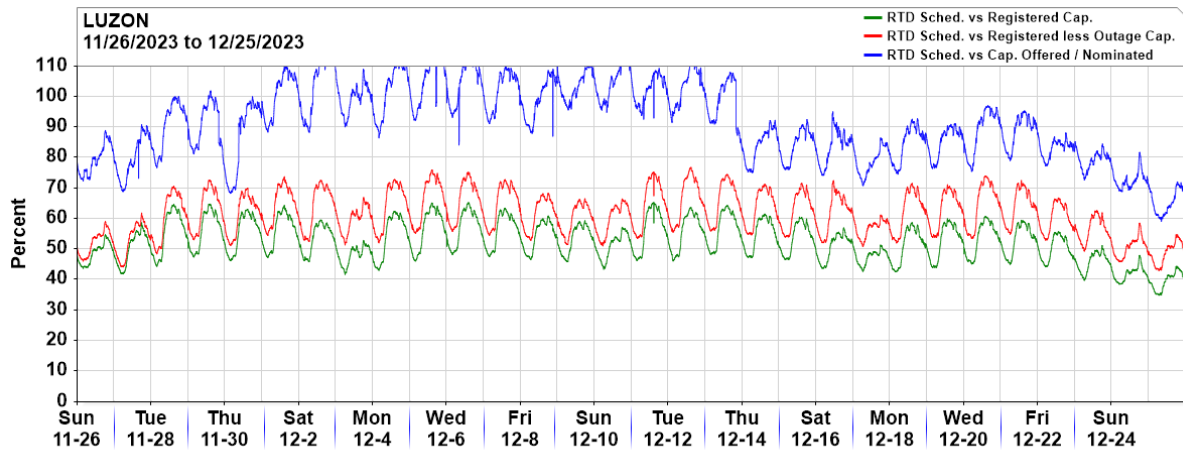
MARKET OUTCOME

CAPACITY FACTOR



MARKET OUTCOME

CAPACITY FACTOR

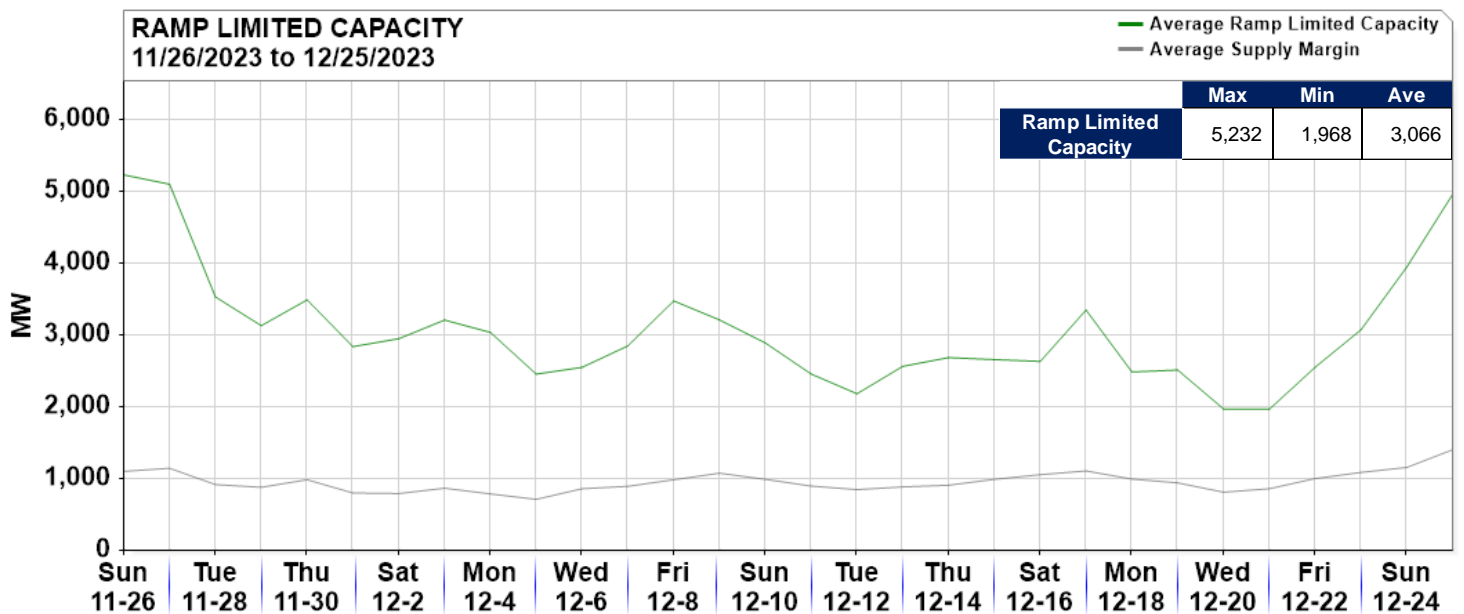


The capacity factors for the system and each region were recorded only at an average of 48%. While Luzon and Visayas were highly affected by the capacities on outage and unavailability of the generators, the low-capacity factor in Mindanao translates from the ample, if not, oversupply in the region.

MARKET OUTCOME

GENERATOR RAMPING

RAMP LIMITED CAPACITY

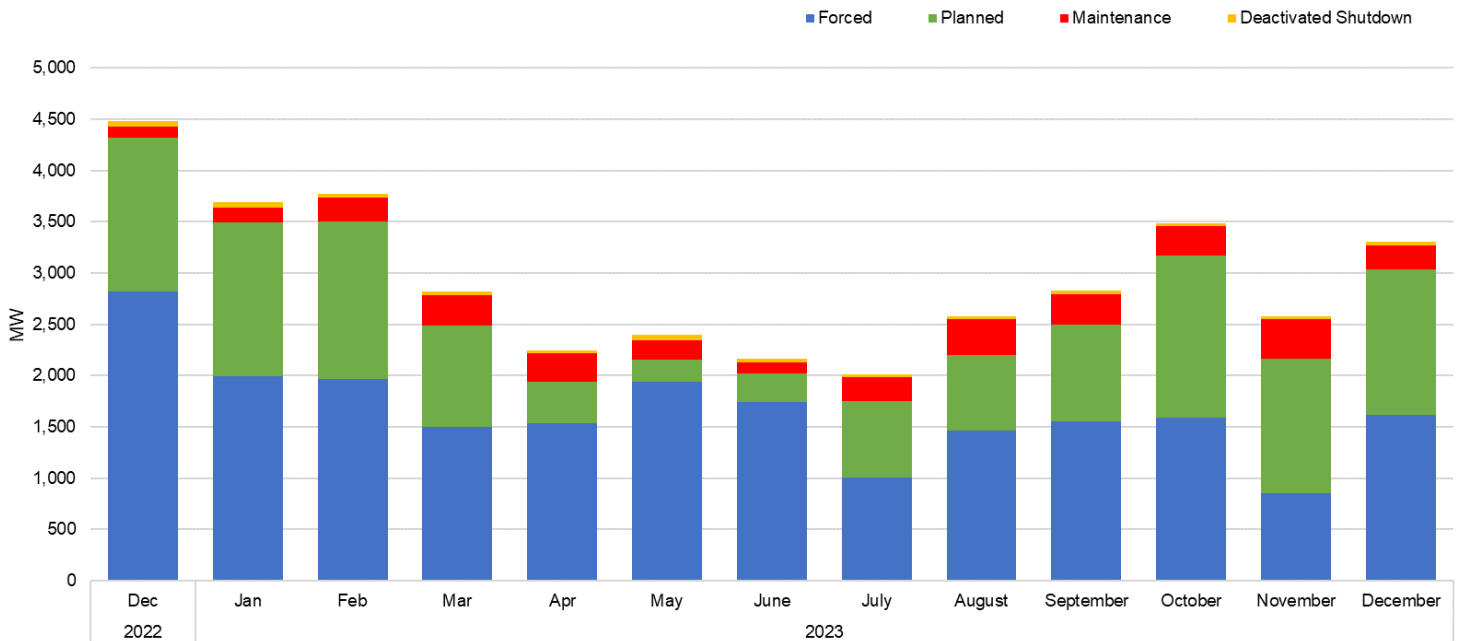


The average Ramp Limited capacity was observed to decrease by an average of 14%, from an average of 3,583 MW last month.

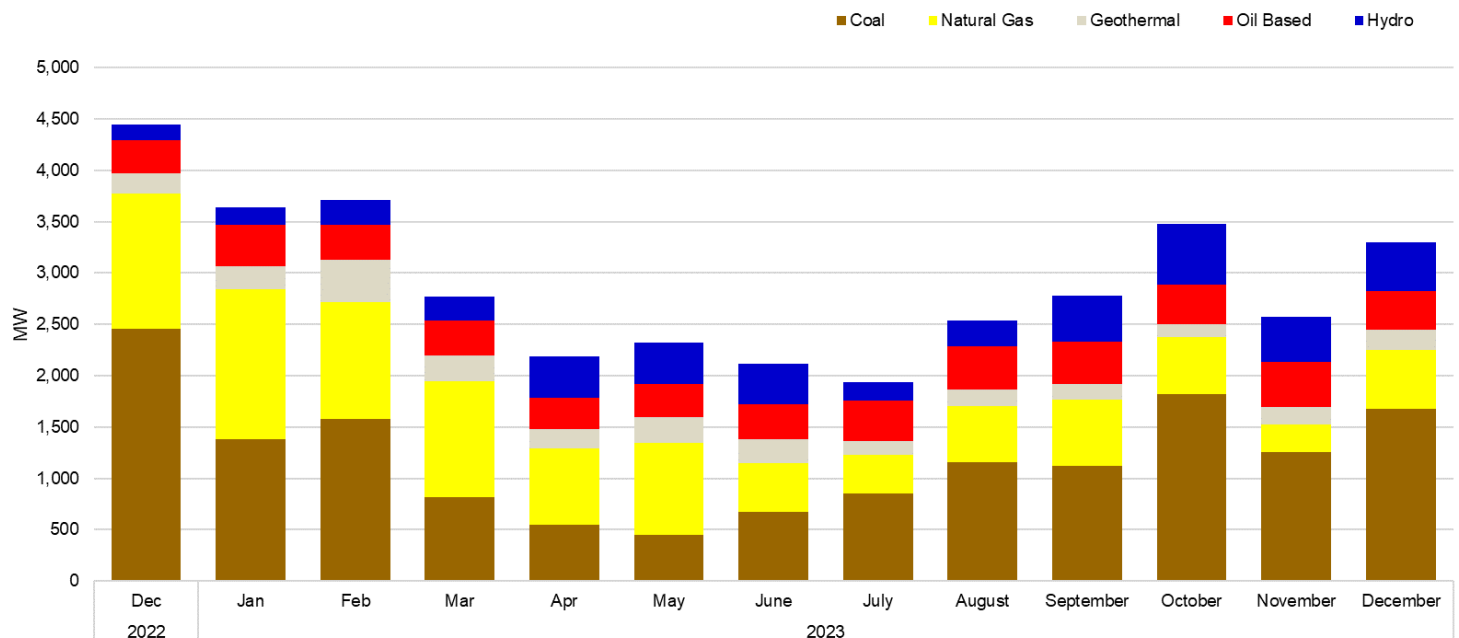
MARKET OUTCOME

OUTAGES

CAPACITY ON OUTAGE BY CATEGORY



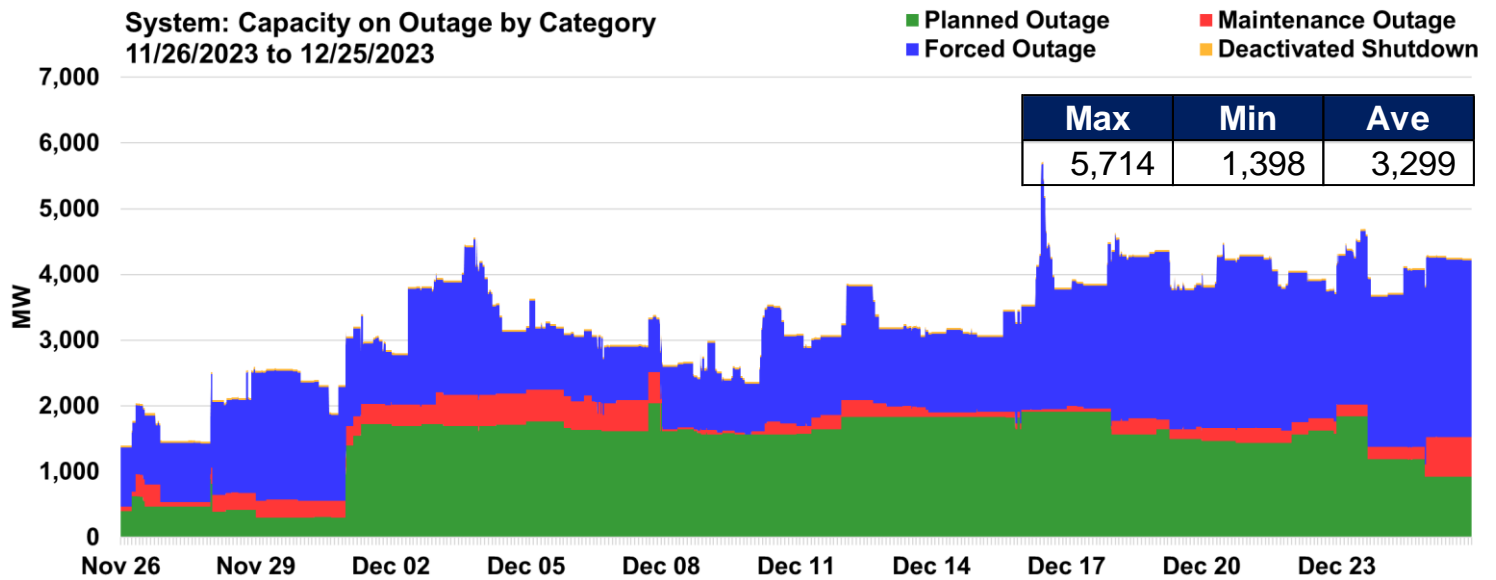
CAPACITY ON OUTAGE BY PLANT TYPE



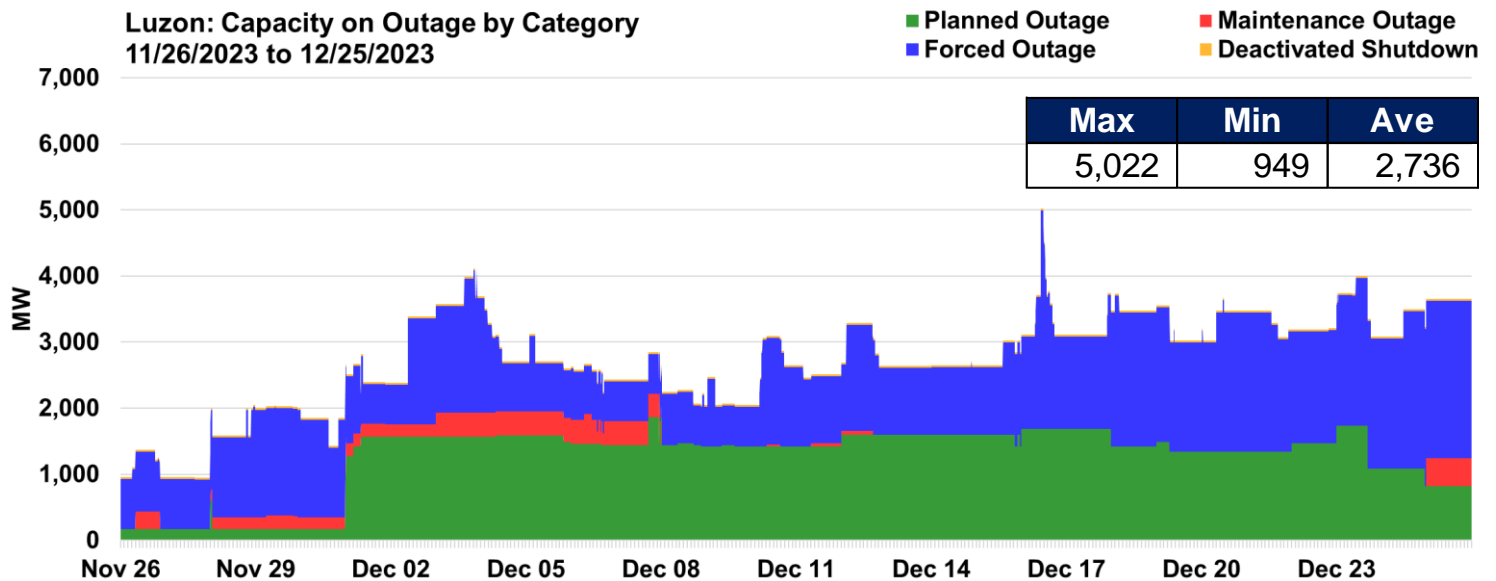
MARKET OUTCOME

OUTAGES

System: Capacity on Outage by Category
11/26/2023 to 12/25/2023



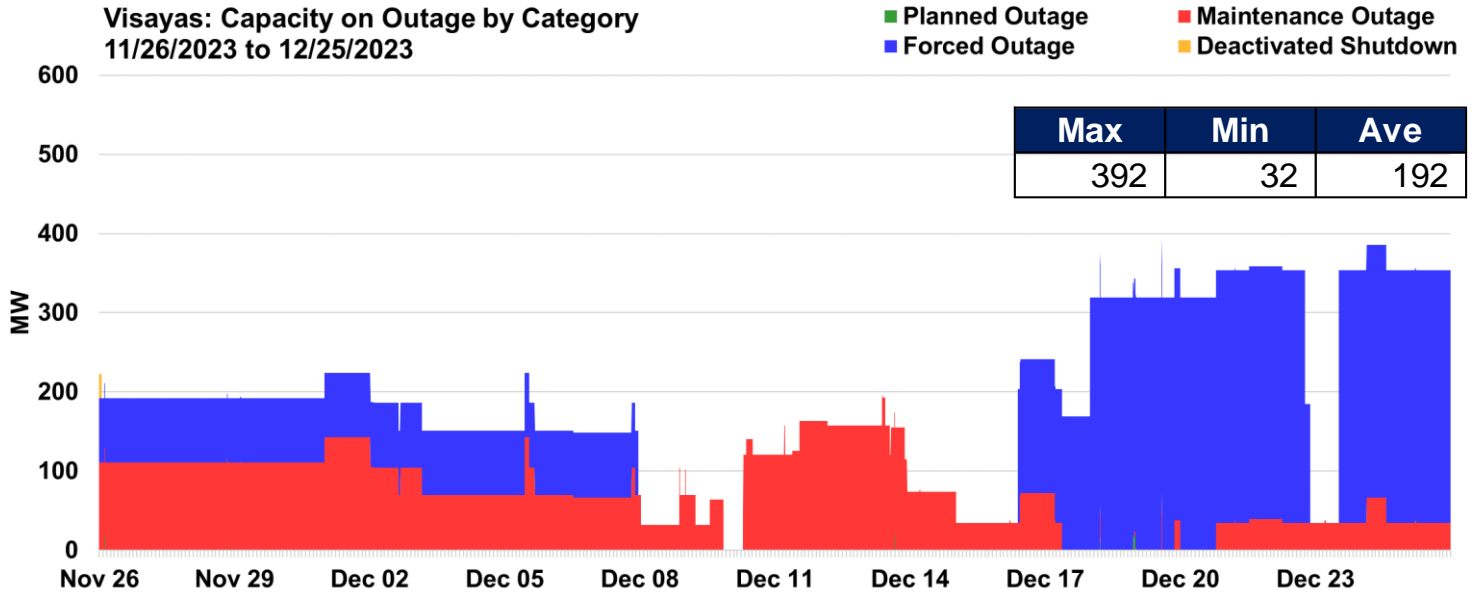
Luzon: Capacity on Outage by Category
11/26/2023 to 12/25/2023



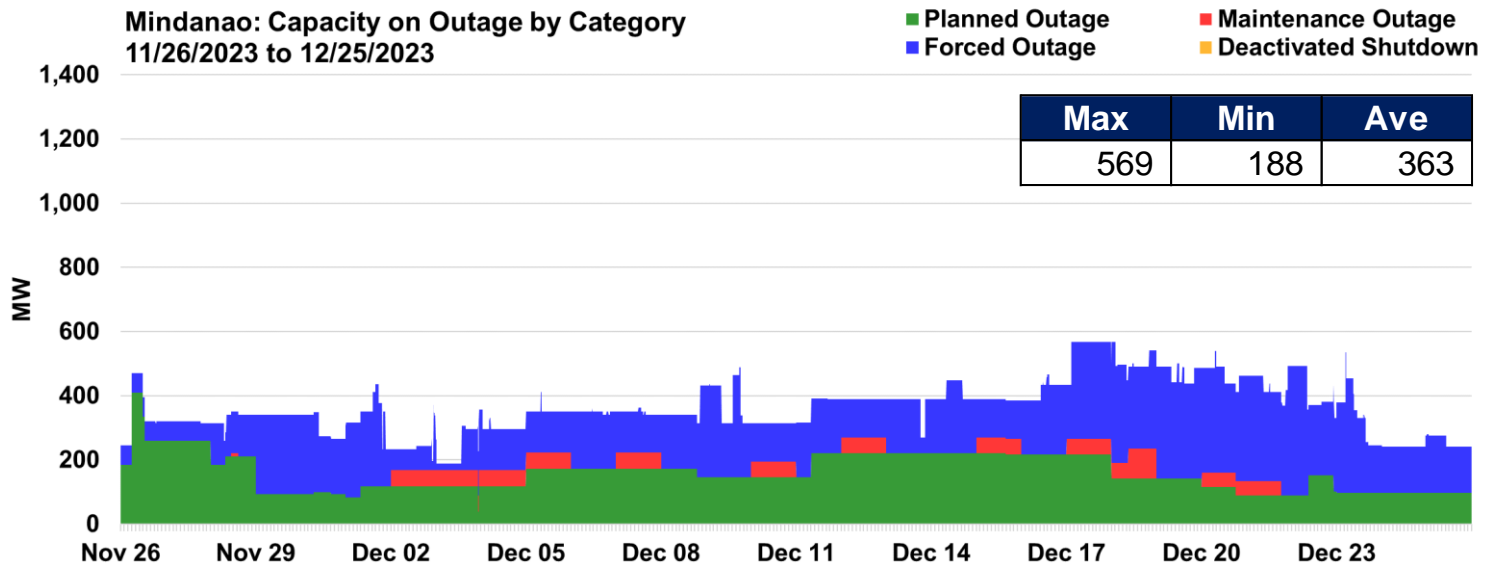
MARKET OUTCOME

OUTAGES

Visayas: Capacity on Outage by Category
11/26/2023 to 12/25/2023



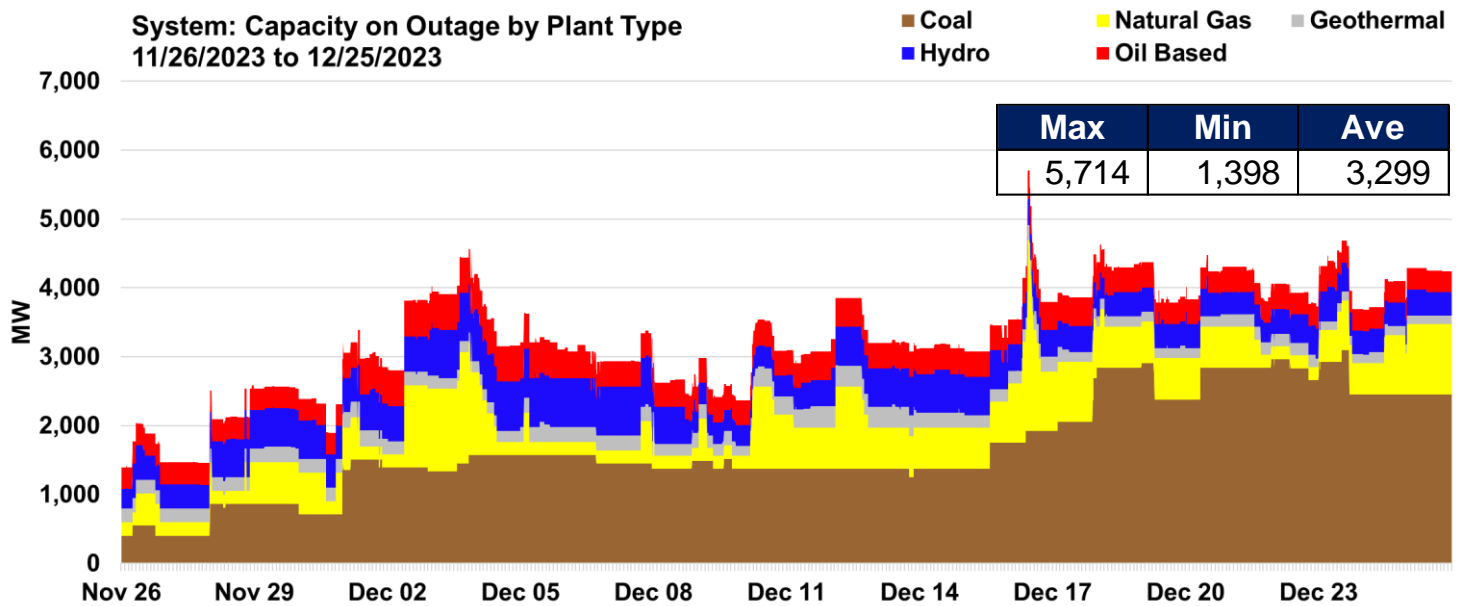
Mindanao: Capacity on Outage by Category
11/26/2023 to 12/25/2023



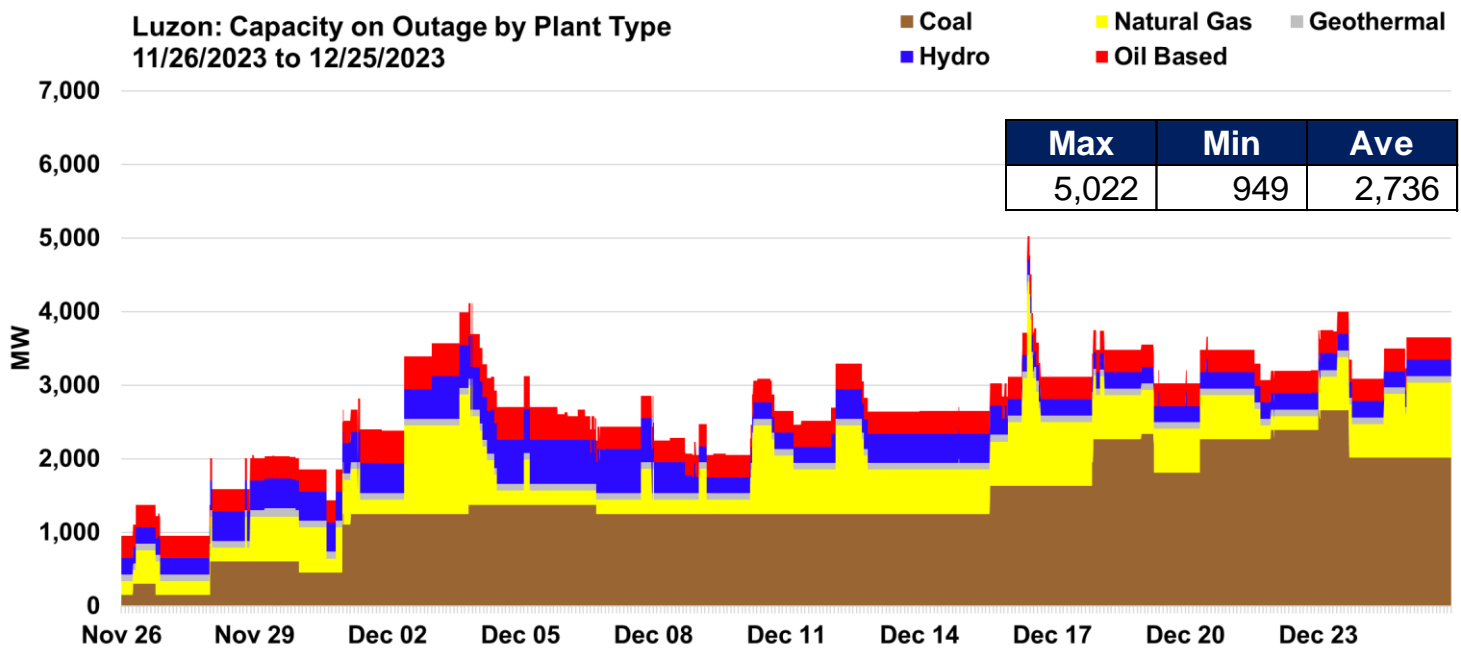
MARKET OUTCOME

OUTAGES

System: Capacity on Outage by Plant Type
11/26/2023 to 12/25/2023

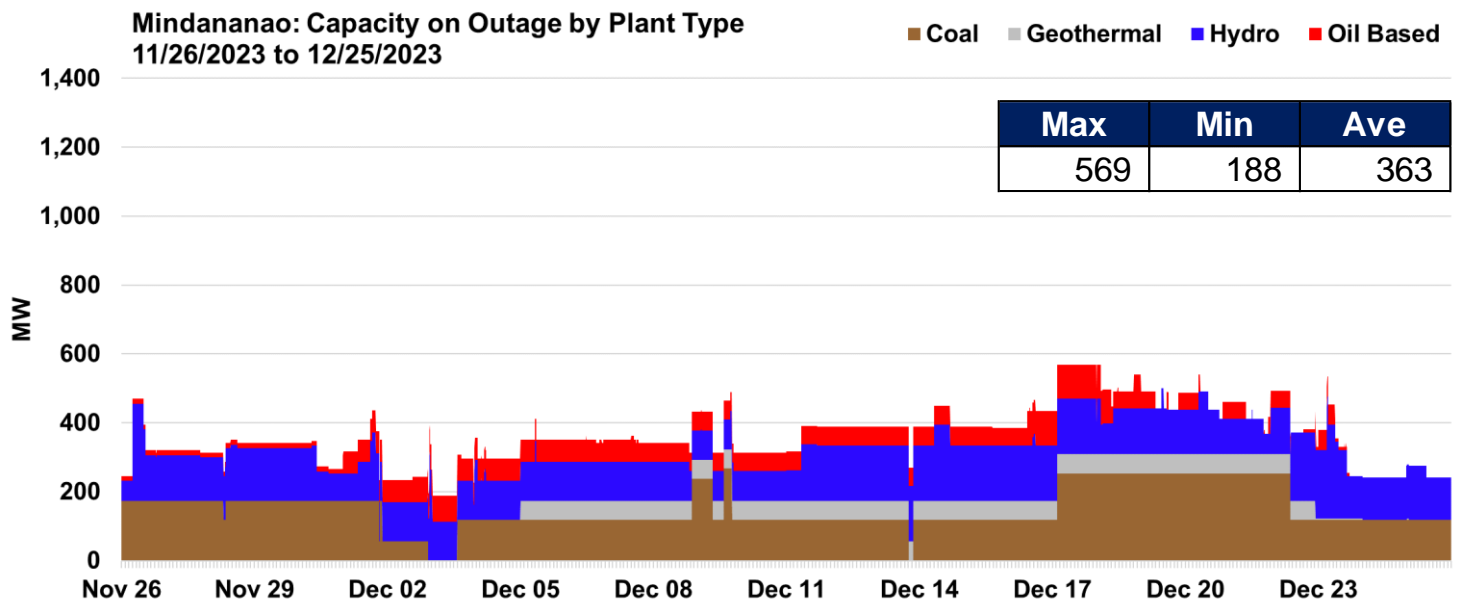
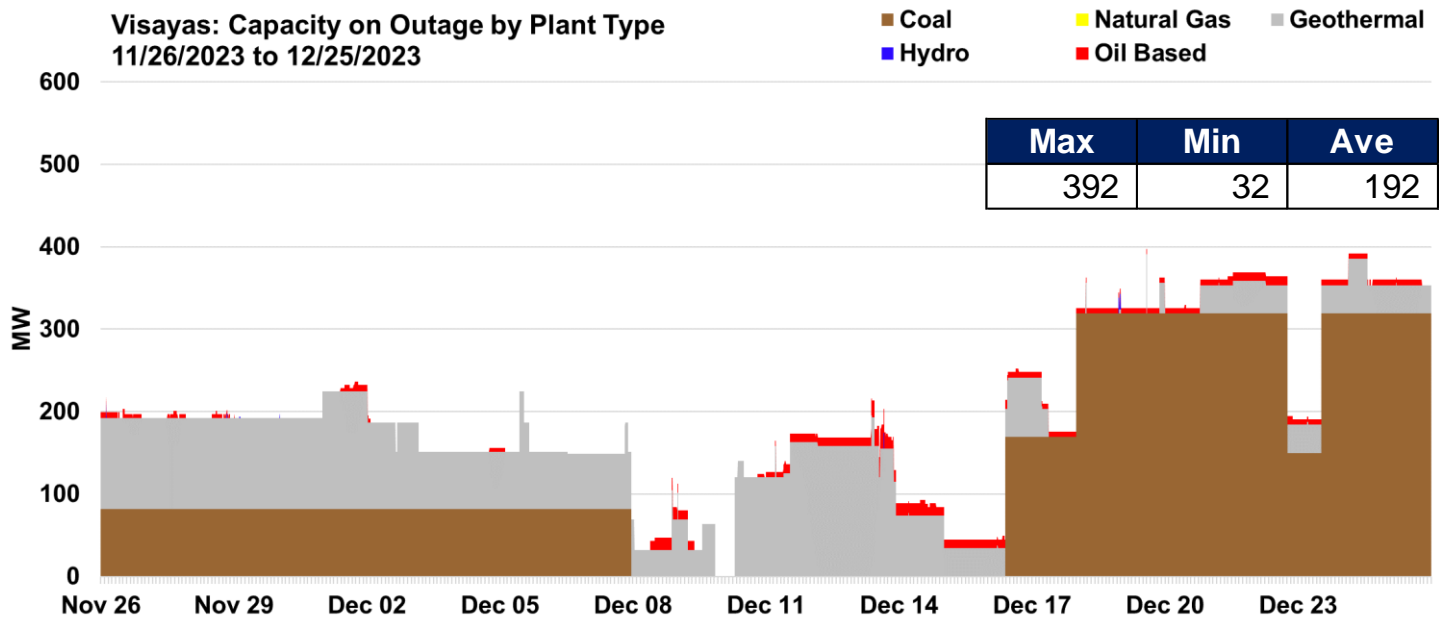


Luzon: Capacity on Outage by Plant Type
11/26/2023 to 12/25/2023



MARKET OUTCOME

OUTAGES



Most of the plants that were on outage were Coal and Natural gas for Luzon and Visayas while it was Coal and Hydro power plants, for the Mindanao region. These plant outages fall under forced and planned outage categories.

MARKET OUTCOME

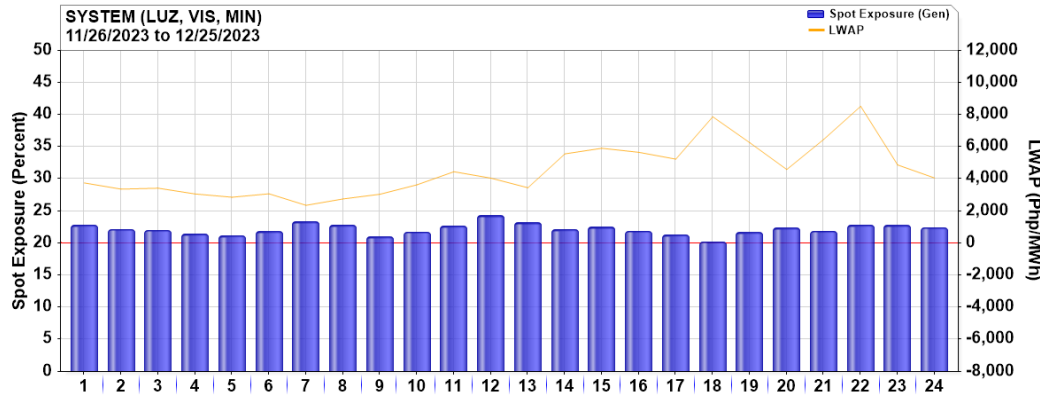
REGISTERED CAPACITY

Plant Type	November 2023				December 2023			
	System	Luzon	Visayas	Mindanao	System	Luzon	Visayas	Mindanao
	Capacity (MW)				Capacity (MW)			
BAT	495	315	100	80	535	355	100	80
BIOF	421	182	191	48	421	182	191	48
COAL	12,227	8,637	1,324	2,266	12,227	8,637	1,324	2,266
GEO	1,705	752	848	105	1,736	783	848	105
HYD	3,721	2,553	53	1,115	3,721	2,553	53	1,115
NATG	3,286	3,286			3,286	3,286		
OIL	2,825	1,741	433	651	2,847	1,741	440	667
SOLR	1,690	1,206	416	67	2,011	1,533	411	67
WIND	507	416	91		507	416	91	
TOTAL	26,874	19,086	3,457	4,332	27,289	19,483	3,458	4,347

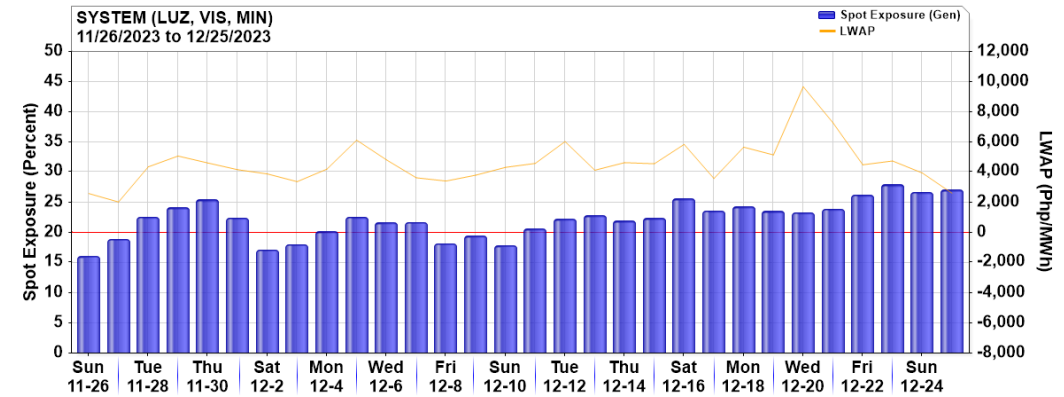
MARKET OUTCOME

SPOT EXPOSURE

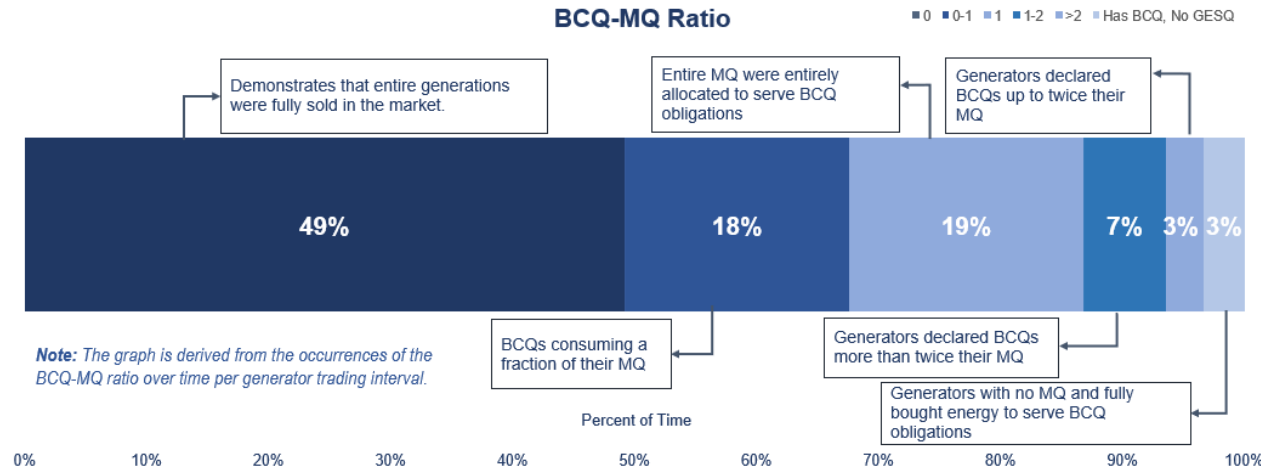
HOURLY SPOT



DAILY SPOT



BCQ-MQ Ratio

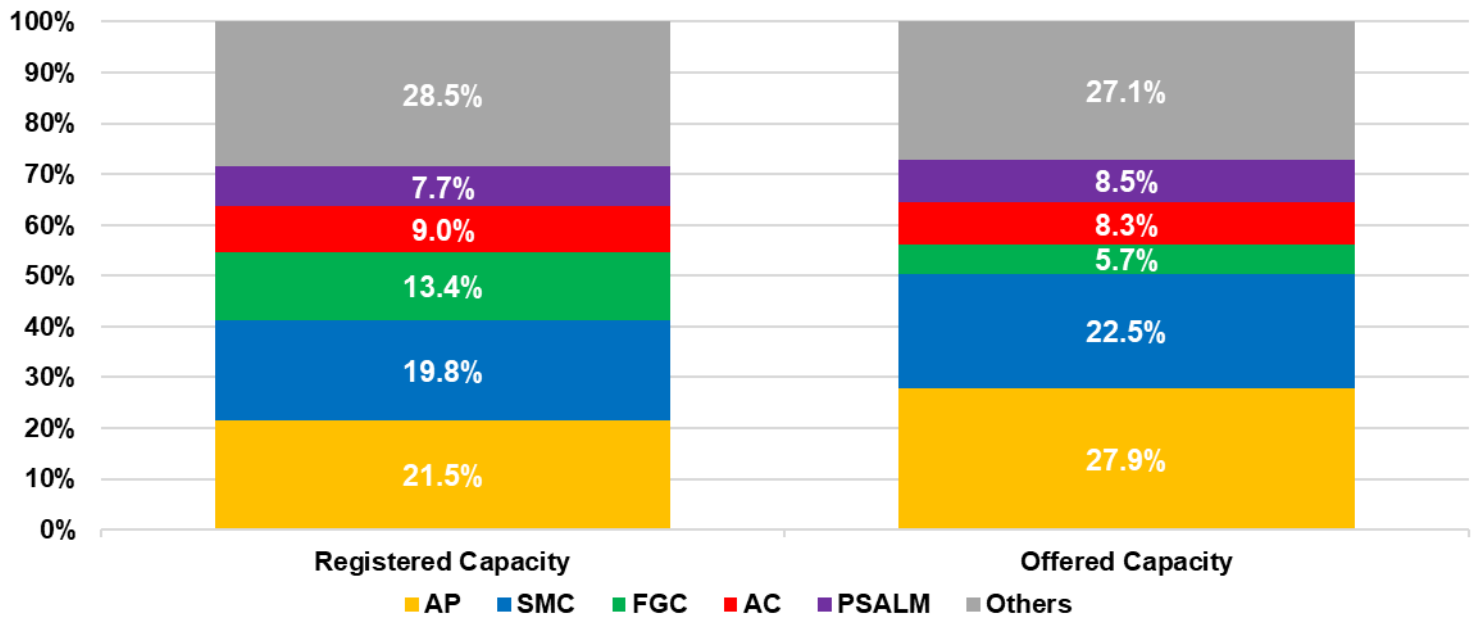


Total spot quantities of generator participants in the December billing period were at an average of 19.3% with an average price of PHP5,458/MWh during off-peak hours while during peak hours, average exposure was at 20.1% with an average price of PHP7,807/MWh. In addition, spot exposures during weekdays averaged at 19.7% with an average price of PHP6,788/MWh while it was an average of 18.6% during weekends with an average price of PHP6,692/MWh.

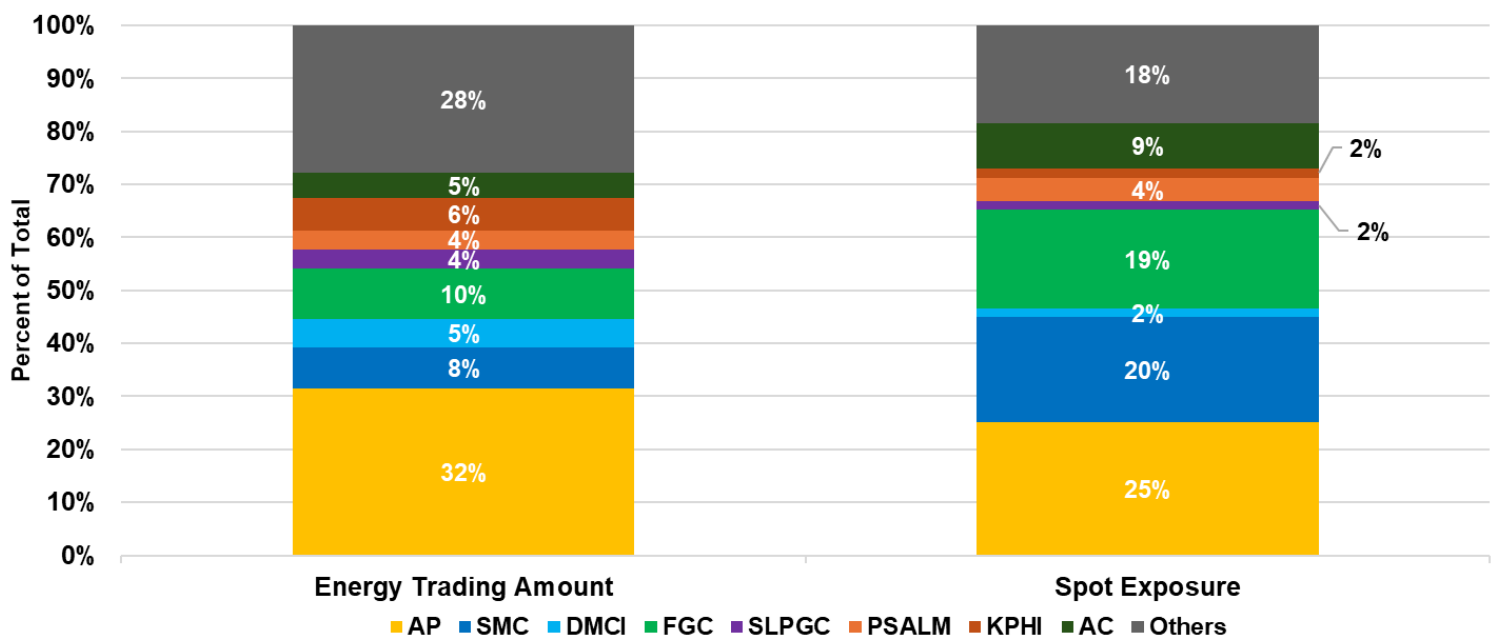
MARKET OUTCOME

STRUCTURAL COMPETITION

SYSTEM MARKET SHARES



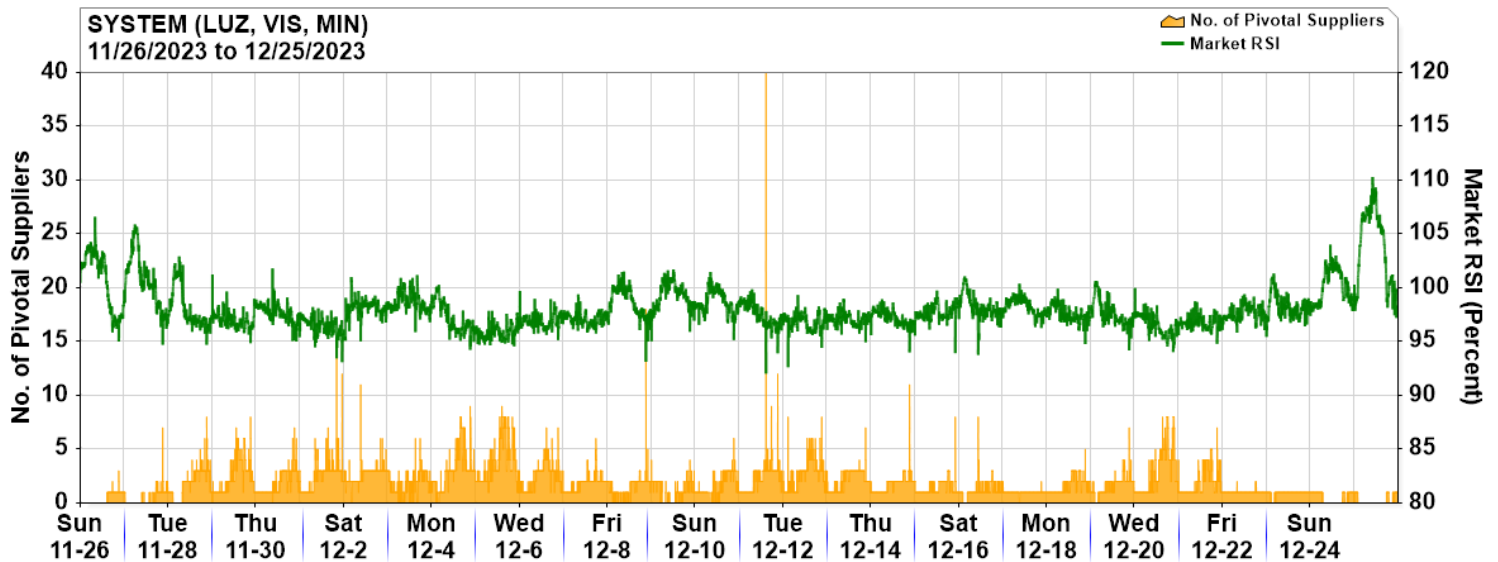
ENERGY TRADING AMOUNT (ETA)



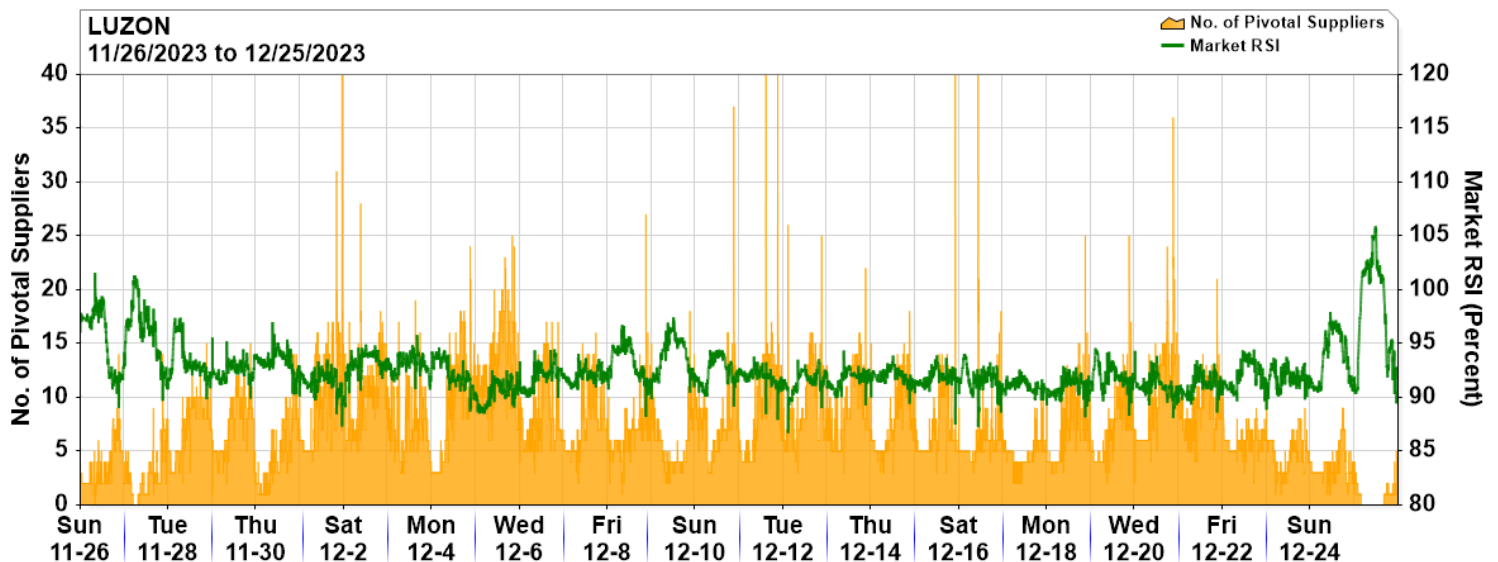
MARKET OUTCOME

STRUCTURAL COMPETITION

SYSTEM RSI



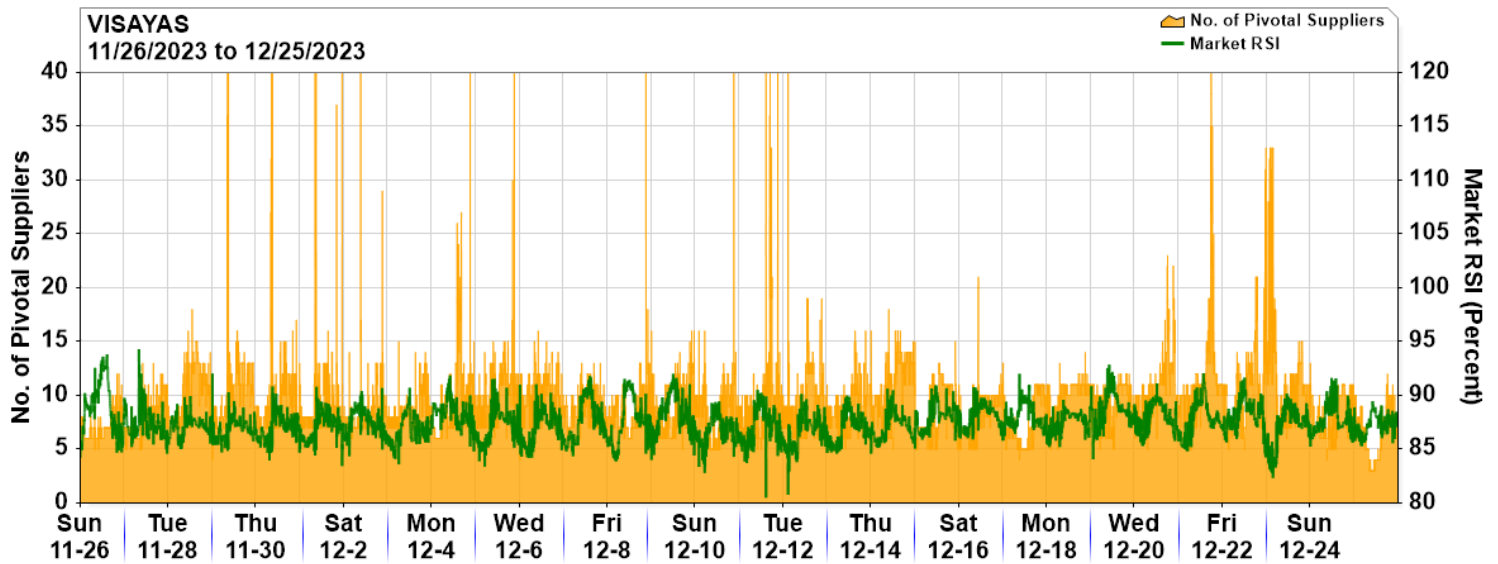
LUZON RSI



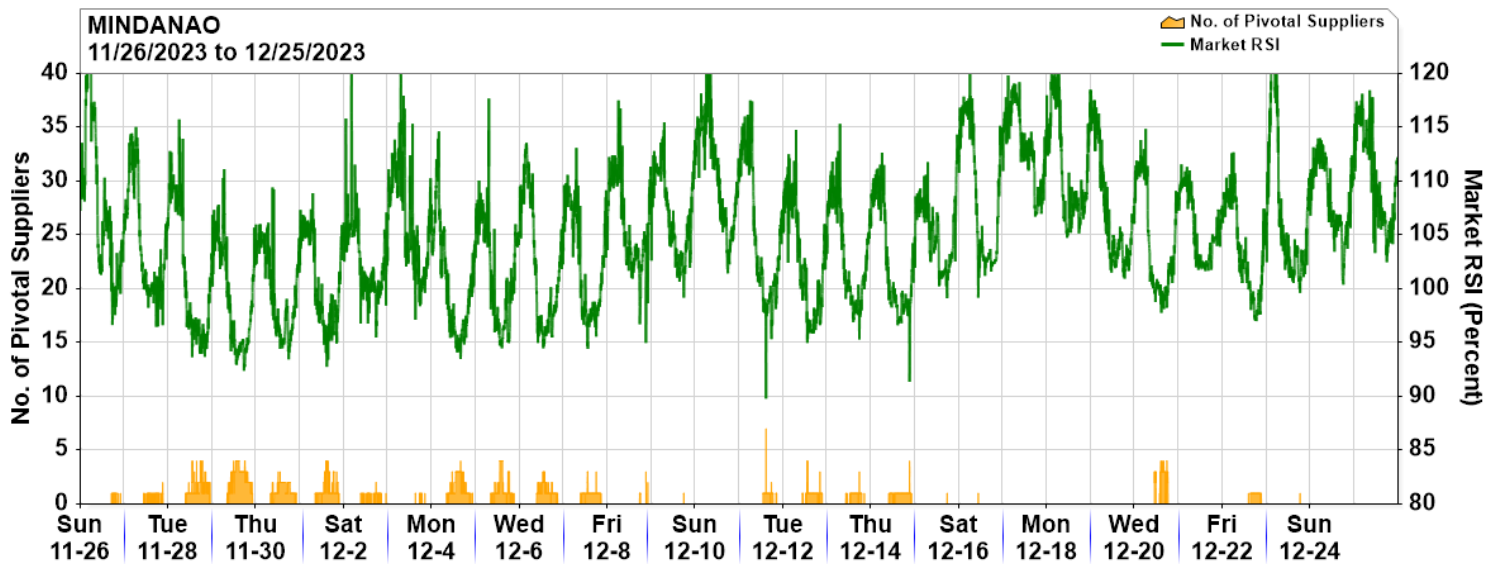
MARKET OUTCOME

STRUCTURAL COMPETITION

VISAYAS RSI



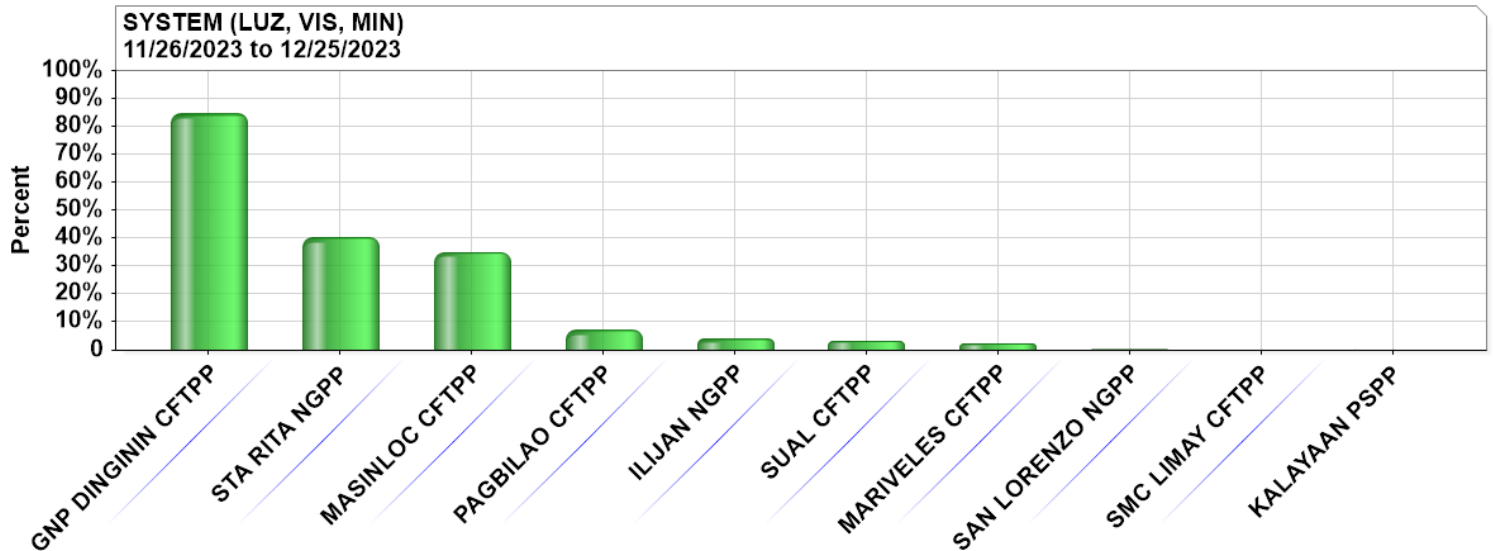
MINDANAO RSI



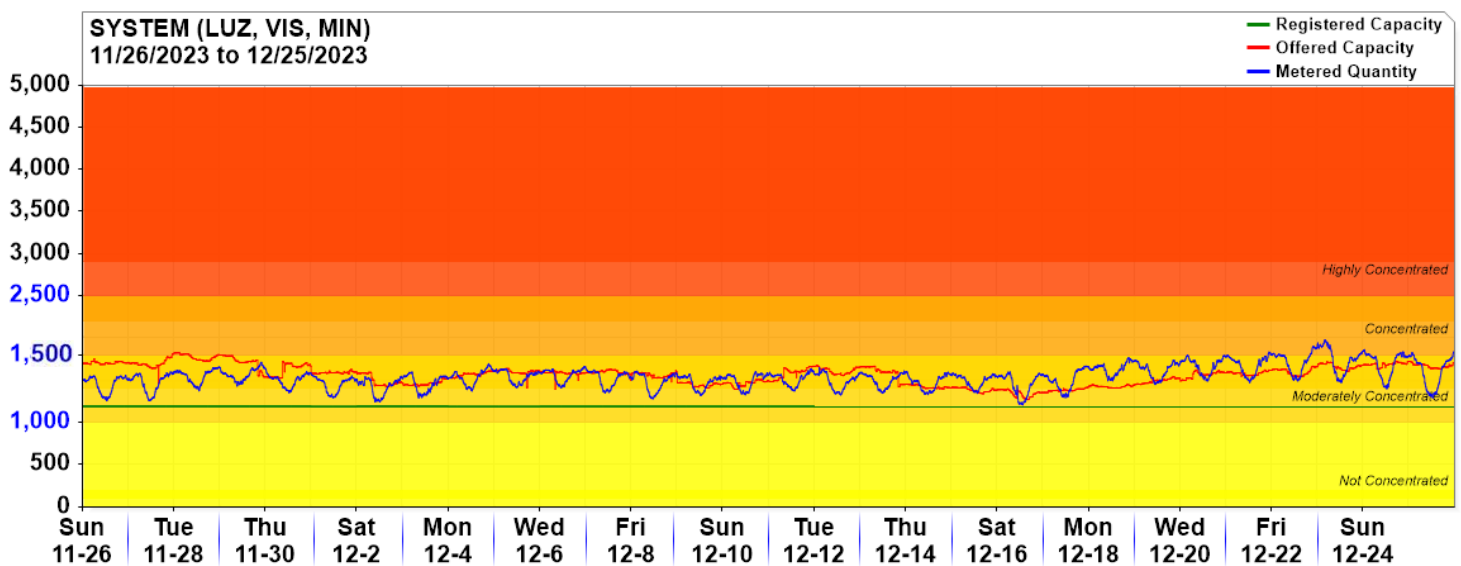
MARKET OUTCOME

STRUCTURAL COMPETITION

SYSTEM PIVOTAL SUPPLIERS



SYSTEM HHI

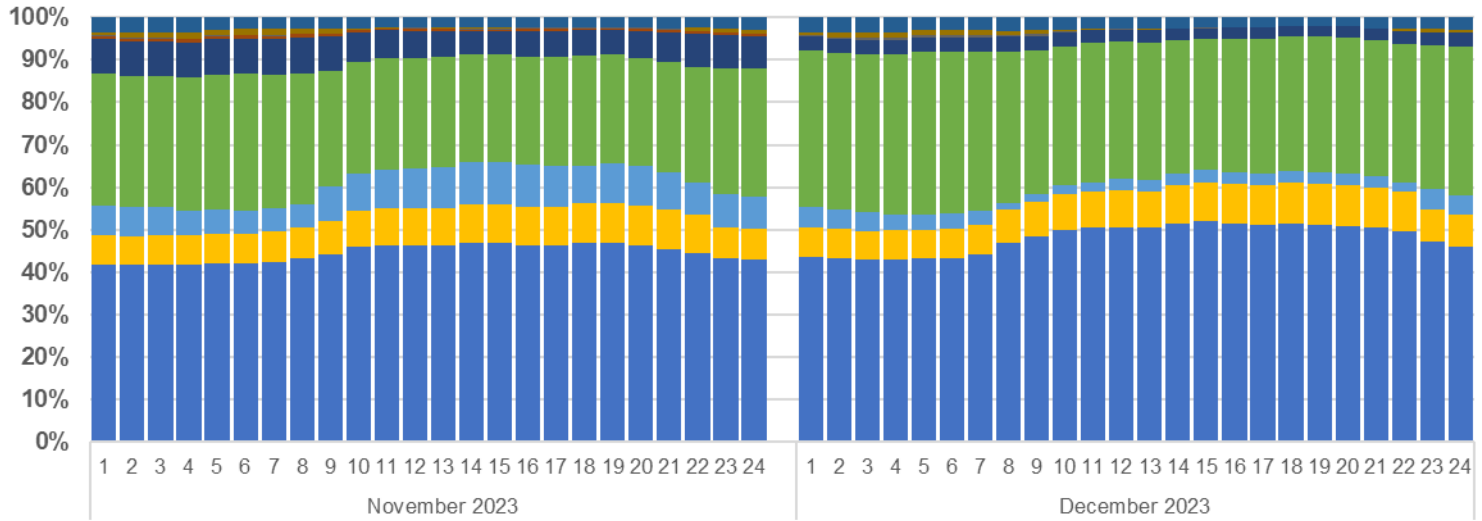


The **Herfindahl-Hirschman Index (HHI)** by major participant grouping for the December 2023 billing period posted a moderately concentrated market for Registered Capacity measure. While it was noted that for Offered Capacity and Metered Quantity measure, there were instances of concentrated market which is very evident on the latter of the billing period.

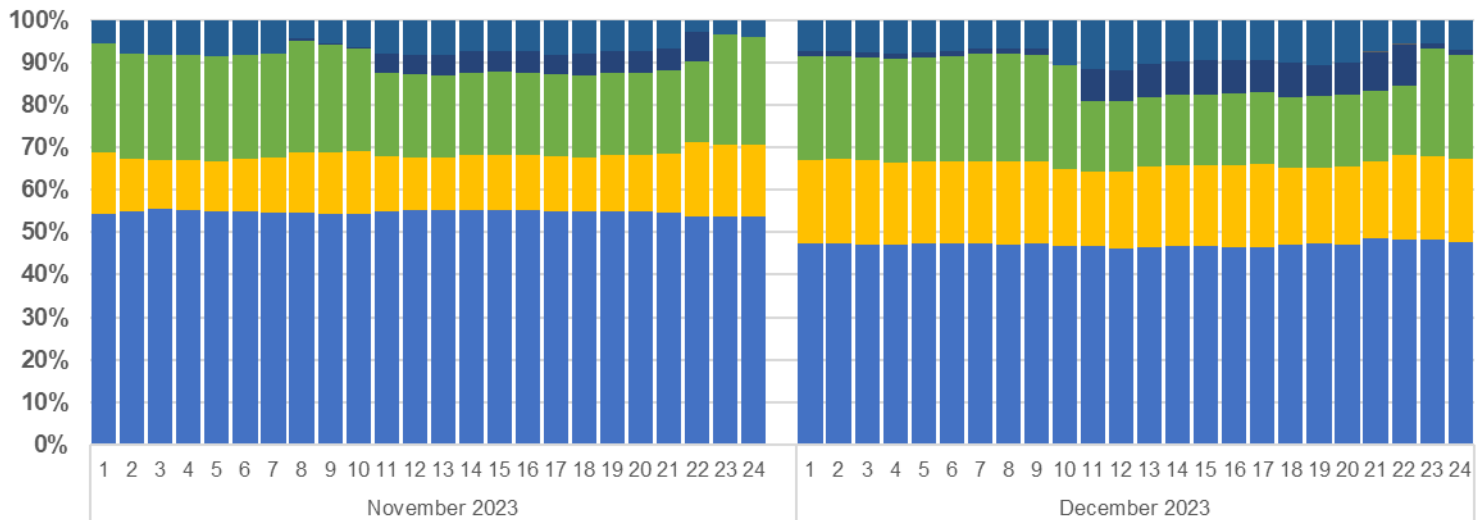
MARKET OUTCOME

BEHAVIORAL INDICES

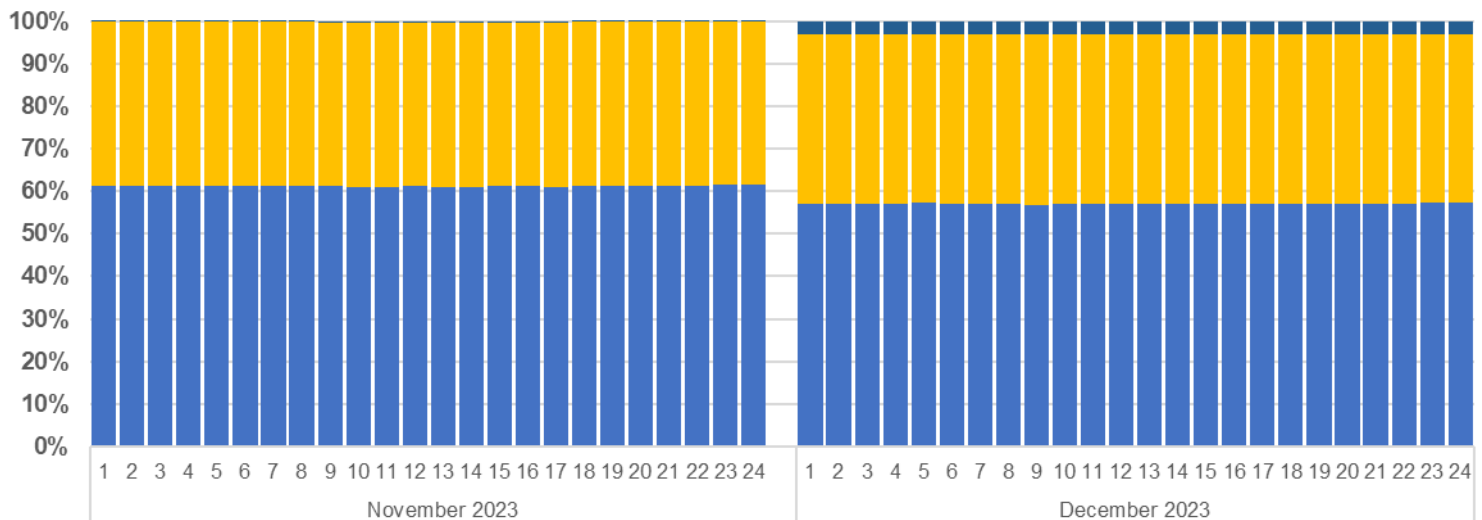
Coal



Natural Gas

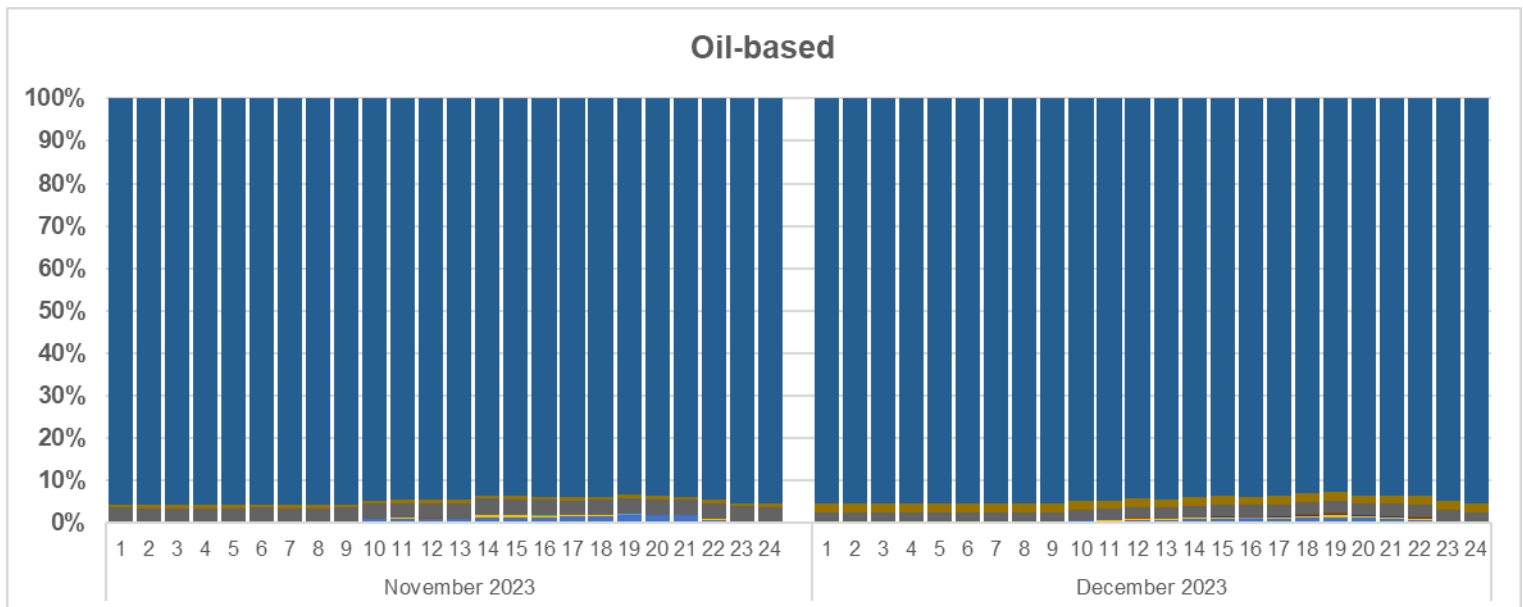
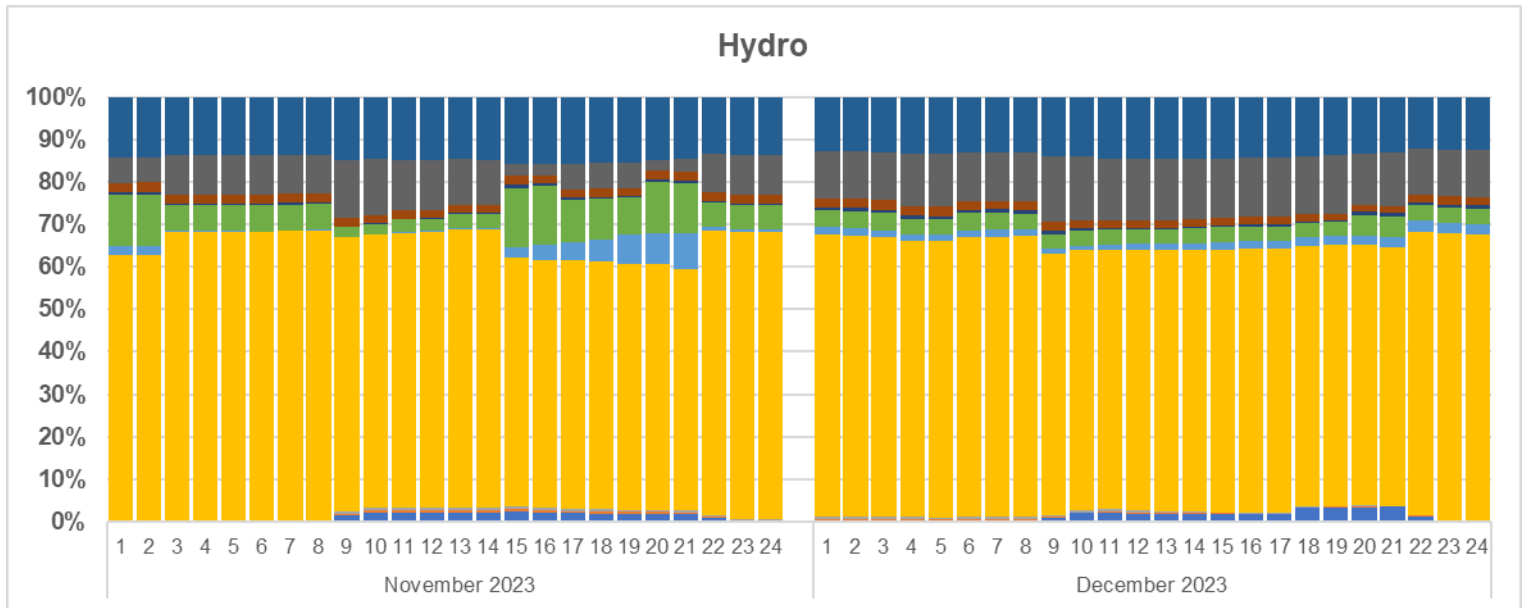


Geothermal



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

Minimal changes were observed from all plant types coming into the December billing period when compared to the previous billing period.

ANNEX

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Luzon							
BIOF	GFIL	15.8	08/19/2023 6:00			Maintenance Outage	Off season maintenance shutdown
COAL	SLTEC 1	122	12/23/2023 1:11			Forced Outage	Unit shutdown in preparation for the planned shutdown of Calaca-Salong 230kV line on Dec 26 2023.
COAL	SLPGC 1	150	12/22/2023 23:59			Forced Outage	Unplanned outage due to turbine bearing no.2 high vibration.
COAL	SLTEC 2	124	12/22/2023 0:00			Planned Outage	Planned Outage until February 5 2024.
COAL	QPPL	460	12/20/2023 8:00			Forced Outage	Emergency shutdown due boiler tube leak.
COAL	ANDA 1	72	12/19/2023 0:05			Planned Outage	Planned Outage until January 8 2024
COAL	GMEC Power 1	316	12/17/2023 21:52			Forced Outage	Tripped at 17MW load while ongoing shutdown due to coal conveyor trouble
COAL	GMEC Power 2	316	12/17/2023 21:30			Forced Outage	Tripped at 106MW load while ongoing shutdown due to coal conveyor trouble
COAL	Pagbilao 2	382	12/15/2023 13:58	12/19/2023 7:09	4	Forced Outage	Emergency shutdown due to boiler circulating pump A low current resistance.
COAL	Pagbilao 2	382	12/15/2023 13:58			Forced Outage	Emergency shutdown due to boiler circulating water pump.
COAL	SLTEC 2	124	12/03/2023 19:52	12/06/2023 16:59	3	Forced Outage	Emergency shutdown due to Primary Air Fan tripping.
COAL	SMC 3	150	12/01/2023 4:07	12/19/2023 6:33	18	Planned Outage	Planned Outage until December 22 2023.
COAL	SBPL	455	12/01/2023 0:01			Planned Outage	Planned outage as per GOP until January 19 2024.
COAL	Sual 2	647	11/30/2023 23:35	12/23/2023 16:04	23	Planned Outage	Planned Outage until December 30 2023.
COAL	SBPL	455	11/27/2023 23:59			Forced Outage	Emergency shutdown due boiler tube leak.
COAL	SLPGC 2	149.6	11/24/2023 23:56	11/29/2023 23:35	5	Forced Outage	Emergency shutdown due to air pre-heater tube leak problem.
GEO	Tiwi 1	60	11/30/2021 18:32			Forced Outage	Steam supply diverted to Unit 2.
GEO	Makban 6	30	04/11/2013 22:44			Deactivated Shutdown	Conducted Gas compressor test.
HYD	Kalayaan 4	180	12/12/2023 0:00	12/15/2023 23:15	4	Planned Outage	Planned outage until December 16 2023.
HYD	Kalayaan 2	180	12/03/2023 0:00	12/07/2023 22:22	5	Maintenance Outage	Maintenance outage until December 7 2023.
HYD	Kalayaan 1	180	11/28/2023 0:00	12/08/2023 0:00	10	Maintenance Outage	Maintenance outage.until December 7 2023.
HYD	Caliraya 2	14	11/27/2023 8:00	12/01/2023 21:05	5	Maintenance Outage	Maintenance outage
HYD	Kalayaan 1	180	11/28/2023 0:00			Maintenance Outage	Maintenance outage.
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 M 2	50	11/06/2023 8:01			Planned Outage	Total Plant shutdown (Planned Outage)
HYD	Angat M 1	50	11/06/2023 8:01			Planned Outage	Total Plant shutdown (Planned Outage)
NATG	San Gabriel	420	12/24/2023 23:44			Maintenance Outage	Maintenance Outage until December 29 2023.
NATG	Ilijan B2	190	12/24/2023 11:40			Forced Outage	Gas supply problem.
NATG	Ilijan B3	220	12/24/2023 11:29			Forced Outage	Gas supply problem.
NATG	Ilijan B2	190	12/10/2023 4:39	12/21/2023 13:24	11	Forced Outage	LNG Terminal shutdown
NATG	Ilijan B3	220	12/10/2023 4:26	12/21/2023 16:36	12	Forced Outage	LNG terminal shutdown.
NATG	Ilijan B3	220	12/02/2023 8:58	12/04/2023 11:11	2	Forced Outage	Tripped due to LNG terminal supply trouble
NATG	Ilijan B2	190	12/02/2023 8:58	12/04/2023 9:49	2	Forced Outage	Tripped due to LNG terminal supply trouble
NATG	San Gabriel	420	11/24/2023 19:47			Maintenance Outage	Shutdown as part of Tuning test of LNG Fuel
NATG	Ilijan B1	190	11/17/2023 12:37			Forced Outage	Shutdown due to rotor ground fault.
OIL	Ingrid 6	28	12/01/2023 8:01	12/05/2023 20:05	5	Planned Outage	Planned outage until December 5 2023.
OIL	Ingrid 5	22	12/01/2023 8:01	12/05/2023 20:05	5	Planned Outage	Planned outage until December 5 2023.
OIL	Ingrid 4	28	12/01/2023 8:01	12/06/2023 1:35	5	Planned Outage	Planned outage until December 5 2023.
OIL	Ingrid 3	22	12/01/2023 8:01	12/06/2023 1:35	5	Planned Outage	Planned outage until December 5 2023.
OIL	Ingrid 2	22	12/01/2023 8:01	12/05/2023 20:05	5	Planned Outage	Planned outage until December 5 2023.
OIL	Ingrid 1	28	12/01/2023 8:01	12/05/2023 20:05	5	Planned Outage	Planned outage until December 5 2023.
OIL	SLPGC 4	25	02/10/2022 18:07			Forced Outage	Due to low turbine lube oil supply. IEMOP deregistration effective on August 25 2022.
OIL	SLPGC 3	25	01/22/2022 21:39			Forced Outage	Declared unavailable due to turbine lube oil sump metal chips detected. IEMOP deregistration effective on August 25 2022.
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							
OIL	CPPC 9	6.5	12/25/2023 20:13			Planned Outage	cut-out as part of PMS
COAL	THVI 1	169	12/23/2023 12:22			Forced Outage	STEAM DRUM LOW LOW
OIL	CPPC 9	6.5	12/11/2023 0:01	12/25/2023 19:03	15	Planned Outage	Scheduled PMS
COAL	PEDC 3	150	12/18/2023 0:35			Maintenance Outage	Offline
COAL	THVI 1	169	12/16/2023 9:16	12/22/2023 18:25	6	Forced Outage	AUTO-TRIPPED DUE TO SUSPECTED BOILER TUBE LEAK

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Visayas							
BAT	Kabankalan Bat	20	12/15/2023 18:46			Forced Outage	Auto-tripped due to negative phase sequence
GEO	Leyte 2	39.3	10/12/2023 7:11			Maintenance Outage	Scheduled total plant shutdown and load rejection testing.
OIL	CPPC 9	6.5	12/11/2023 0:01			Planned Outage	Scheduled PMS ECD December 17 2023 0001H
SOLR	Islasol 3	40.5	12/10/2023 16:37	12/12/2023 18:22	2	Forced Outage	Affected by the tripping of 69KV Cadiz-Islasol III line.
GEO	Leyte 3	40.2	12/10/2023 7:11	12/13/2023 21:10	4	Maintenance Outage	Scheduled total plant shutdown and load rejection testing.
GEO	Leyte 2	39.3	12/10/2023 7:11	12/15/2023 0:29	5	Maintenance Outage	Scheduled total plant shutdown and load rejection testing.
GEO	Leyte 1	41	12/10/2023 7:10	12/13/2023 22:21	4	Maintenance Outage	Scheduled total plant shutdown and load rejection testing.
GEO	Upper Mahiao 4	32	12/01/2023 0:03	12/09/2023 0:30	8	Planned Outage	APMS per GOMP
BIOF	South Negros	25	12/08/2023 0:35			Maintenance Outage	Weekly maintenance.
BIOF	NTNEGB 1	25	12/06/2023 10:20			Forced Outage	Shutdown due to tube leak.
BIOF	South Negros	25	12/02/2023 0:00	12/05/2023 10:59	3	Forced Outage	Offline due to scheduled line maintenance shutdown.
GEO	Upper Mahiao 3	32	12/01/2023 0:03	12/09/2023 20:40	9	Maintenance Outage	Annual PMS per Gomp
BIOF	HPCO 2	9.5	11/27/2023 4:32			Maintenance Outage	Weekly maintenance.
COAL	TPC-Sangi 1	82	11/18/2023 6:26	12/07/2023 22:30	20	Forced Outage	EMERGENCY SHUTDOWN DUE TO SUSPECTED BOILER TUBE LEAK
GEO	PGPP1 Unit 3	35.5	10/18/2023 0:02	12/02/2023 15:35	46	Maintenance Outage	Planned maintenance activity
GEO	PGPP1 Unit 2	37.47	11/21/2023 0:00			Maintenance Outage	PGPP1 U2 tripped due to tripping of hot well pump during shutdown process. Scheduled total plant shutdown at 0006H.
GEO	PGPP1 Unit 1	37.5	11/25/2023 0:01	12/02/2023 0:23	7	Planned Outage	Planned outage GOMP Total plant shutdown.
BIOF	HPCO 1		11/12/2023 20:00			Maintenance Outage	Offline due to weekly maintenance.
OIL	CPPC 7	6.5	11/17/2023 8:01			Planned Outage	On PMS ECD Dec. 11 2023
Mindanao							
BIOF	14TACUR	6	12/22/2023 11:22			Forced Outage	Forced outage due to control oil pressure fluctuation.
BIOF	LSK U1	15	12/20/2023 1:10	12/24/2023 7:00	4	Forced Outage	Emergency shutdown to conduct boiler inspection for possible leaking.
BIOF	LIBPOWR U1	6	12/05/2023 0:00	12/08/2023 15:00	4	Forced Outage	Synchronized back from Maintenance of feed pump. ETC 7 Dec 2023 2359.
BIOF	LIBPOWR U1	6	12/05/2023 0:00			Forced Outage	Maintenance of feed pump. ETC 7 Dec 2023 2359.
BIOF	LIBPOWR U1	6	12/05/2023 0:00			Maintenance Outage	Maintenance of feed pump. ETC 7 Dec 2023 2359.
COAL	SMF1 U1	118.5	12/13/2023 20:38			Forced Outage	Forced outage. Tripped with a 30.31MW load. Cause Turbine High Vibration.
COAL	FMP U3	135	12/17/2023 2:29	12/22/2023 8:55	5	Forced Outage	Emergency shutdown due to tube leak at cyclone separator A (boiler-side). Note implemented gradual unloading (followed RTD). (Unplanned Outage)
COAL	SMF1 U1	118.5	12/13/2023 20:38			Forced Outage	SEC 1 (SMF) U1 tripped with a 30.31MW load. Cause Turbine High Vibration. (Unplanned Outage).
COAL	SMF1 U1	118.5	12/03/2023 13:26	12/13/2023 18:01	10	Forced Outage	Cut-in from FO. Unplanned Outage. Cause Turbine high vibration.
COAL	SMF1 U1	118.5	12/03/2023 13:26			Forced Outage	Unplanned Outage. Cause Turbine high vibration.
COAL	SMF1 U1	118.5	11/29/2023 0:00	12/01/2023 19:41	3	Forced Outage	Synchronized to the Grid. Extended PMS. ETC December 1 2023.
COAL	SMF1 U1	118.5	11/29/2023 0:00			Forced Outage	PMS (GOMP). ETC Nov. 28 2023. Extended ETC Nov. 30 2023.
COAL	MCC U3	55	11/28/2023 8:25			Forced Outage	MCC COAL (MCC- Balingasag) tripped. Indication Earth switch close feedback. Unplanned Outage.
COAL	SMF1 U1	118.5	11/07/2023 11:56			Planned Outage	PMS (GOMP). ETC Nov. 28 2023. Extended ETC Nov. 30 2023.
COAL	SMF1 U1	118.5	11/07/2023 11:56			Planned Outage	PMS (GOMP). ETC November 28 2023.
COAL	MCC U1	55	11/18/2023 4:25	11/28/2023 7:08	10	Forced Outage	Unplanned Outage. Tube leak at superheater of the boiler.
GEO	MTAPO 1	50	12/05/2023 0:02	12/22/2023 20:30	18	Planned Outage	Cut in from PMS (GOMP).
GEO	MTAPO 1	50	12/05/2023 0:02			Planned Outage	PMS (GOMP). ETC 22 Dec 2023 2359H.
HYD	AG1 U2	35	12/24/2023 22:37			Forced Outage	Forced outage due to loss of 125 DC supply. (Unplanned Outage).
HYD	AG6 U4	25	12/20/2023 0:00			Forced Outage	Forced Outage. On PMS from 11.20.23 to 12.19.23. Extended PMS (GOMP).
HYD	AG6 U2	31.1	12/22/2023 9:14			Planned Outage	Agus 6 Unit 2 shutdown. PMS-GOMP. ETC 2359H 12.29.2023
HYD	AG6 U1	31.5	12/22/2023 9:11			Planned Outage	Agus 6 Unit 1 shutdown. PMS-GOMP. ETC 2359H 12.29.2023
HYD	AG6 U2	31.1	12/22/2023 9:14			Planned Outage	Agus 6 Unit 2 shutdown. PMS-GOMP. (Planned Outage)
HYD	AG6 U1	31.5	12/22/2023 9:11			Planned Outage	AGUS 6 Unit 1 shutdown. PMS-GOMP (Planned Outage)
HYD	PG4 U2	75	12/21/2023 21:55			Forced Outage	PULANGI 4 UNIT 2 on emergency shutdown. Cause Excessive oil leak at unit 2 servo motor. (Unplanned Outage)
HYD	AG7 U1	26.1	11/05/2023 9:01	12/20/2023 17:34	45	Planned Outage	Planned Outage - PMS (GOMP)
HYD	AG6 U4	25	12/20/2023 0:00			Forced Outage	Forced Outage. On PMS from 11.20.23 to 12.19.23. Extended PMS (GOMP). New ETC December 21 2023.
HYD	AG6 U5	43.8	12/18/2023 9:05			Forced Outage	PMS (Non-GOMP). ETC 21 Dec 2023 2359
HYD	AG6 U4	25	11/20/2023 9:02	12/19/2023 23:59	30	Planned Outage	PMS (GOMP). ETC December 19 2023. Forced Outage starting December 20 2023 / 0001H - requested extension to Decemb
HYD	AG6 U5	43.8	12/18/2023 9:05	12/21/2023 18:11	3	Maintenance Outage	PMS (Non-GOMP). ETC 21 Dec 2023 2359
HYD	PG4 U2	75	12/11/2023 8:02	12/17/2023 23:59	7	Planned Outage	PMS (GOMP). ETC December 17 2023 2359H.

ANNEX

List of Major Plant Outages

Plant Type	Plant/ Unit Name	Capacity (MW)	Date Out	Date In	Duration (Days)	Outage Type	Remarks
Mindanao							
HYD	AG1 U1	35	12/01/2023 8:10			Planned Outage	PMS (GOMP). ETC December 30 2023.
HYD	PG4 U2	75	12/11/2023 8:02			Planned Outage	Planned outage - GOMP. ETC December 17 2023 2359H.
HYD	AG5 U2	27.5	11/28/2023 8:04	12/08/2023 19:00	10	Planned Outage	Online. PMS (GOMP). ETC December 13 2023.
HYD	AG2 U2	60	12/04/2023 11:20			Forced Outage	AGUS 2 Unit 2 HEP tripped. Indication 86T Trip.
HYD	AG1 U1	35	12/01/2023 8:10			Planned Outage	PMS(GOMP). ETC December 30 2023.
HYD	AG5 U2	27.5	11/28/2023 8:04			Planned Outage	PMS (GOMP). ETC December 13 2023.
HYD	PG4 U3	75	11/26/2023 12:00	11/30/2023 9:40	4	Forced Outage	Shutdown due to low forebay elevation. Unplanned Outage (OMC).
HYD	PG4 U3	75	11/26/2023 6:01			Planned Outage	Drawdown activity (GOMP). (Planned Outage)
HYD	MN2 U4	6.35	11/24/2023 7:03	11/26/2023 18:36	2	Forced Outage	Unplanned Outage. Cause Insufficient water supply (outside management control).
HYD	AG7 U1	26.1	11/05/2023 9:01			Planned Outage	PMS (GOMP). ETC December 31 2023.
HYD	AG6 U4	25	11/20/2023 9:02			Planned Outage	PMS (GOMP). ETC December 19 2023.
OIL	WMPC Unit 1	10.2	12/22/2023 15:09			Forced Outage	Forced outage due to High Temperature Low Pressure Stop. (Unplanned Outage).
OIL	MATIBNK DPP 1	11	12/21/2023 18:32			Forced Outage	SPC MATI Tripped. Indication Overcurrent relay tripped. Unplanned Outage.
OIL	TM1 U1	49	12/20/2023 20:01	12/23/2023 9:01	3	Forced Outage	TMI Unit 1 (Hybrid BESS) on forced outage due to PCS inverter high temperature.
OIL	TM1 U1	49	12/19/2023 20:01			Forced Outage	TM1 Unit 1 (Hybrid BESS-Diesel) on forced outage due to PCS inverter high temperature.
OIL	TM1 U2	50	12/01/2023 0:00			Maintenance Outage	PMS (Non-GOMP). ETC Dec. 14 2023. Extended to Dec. 18 2023.
OIL	TM1 U2	50	12/01/2023 0:00			Forced Outage	PMS (Non-GOMP). ETC Dec. 14 2023. Extended to Dec. 18 2023.
OIL	WMPC Unit 10	10.2	12/06/2023 17:00			Forced Outage	Forced Outage. Indication Turbo charger shock pulse alarm turbine side.
OIL	WMPC Unit 10	10.2	12/01/2023 0:00	12/06/2023 11:30	5	Forced Outage	Declared available at 1130H. Extended GOMP Outage.
OIL	WMPC Unit 4	10.2	12/02/2023 13:26			Forced Outage	Declared forced outage due to exhaust gas leak in cylinder A2.
OIL	TM1 U2	50	12/01/2023 0:00			Maintenance Outage	PMS (Non-GOMP). ETC December 14 2023.
OIL	WMPC Unit 10	10.2	12/01/2023 0:00			Forced Outage	Extended GOMP Outage. No ETC.
OIL	TM1 U2	50	12/01/2023 0:00			Forced Outage	PMS (Non-GOMP). ETC December 14 2023.
OIL	WMPC Unit 10	10.2	10/16/2023 0:01	11/30/2023 23:59	46	Planned Outage	PMS (GOMP). ETC November 30 2023.
SOLR	ADG U0	20	08/17/2023 19:42			Forced Outage	Unable to generate due to damage main switchgear at line 1 to replace feeder cable of line 1. Unplanned Outage. No ETC.

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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