



WEEKLY GRID OPERATING PROGRAM (GOP) MONITORING

WEEKLY OPERATING PROGRAM

Period Covered: 23-Jul-22 to 29-Jul-22

Based on the available data as of 2pm of July 22, 2022

DATE	JULY						
	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri
LUZON POWER OUTLOOK							
Available Generating Capacity (MW)	12158	11804	12617	12608	12614	12612	12621
Coal	6452	6452	6452	6452	6452	6452	6452
Oil-based	1272	1272	1272	1272	1272	1272	1272
Oil Thermal	0	0	0	0	0	0	0
Diesel	732	732	732	732	732	732	732
Combined Cycle (CC)/ Gas Turbine(GT)	540	540	540	540	540	540	540
Natural Gas	1649	1649	1906	1906	1906	1906	1906
Renewable Energy	2785	2431	2787	2778	2784	2782	2791
Geothermal	457	457	457	457	457	457	457
Hydro	1854	1854	1854	1854	1854	1854	1854
Biomass	58	58	58	58	58	58	58
Wind	63	62	65	65	66	65	72
Solar	353	0	354	345	349	348	350
HVDC	0	0	200	200	200	200	200
BESS	0	0	0	0	0	0	0
System Peak Demand (MW)	9736	9326	10906	11068	11006	10935	11035
Operating Margin (MW)	2422	2478	1711	1540	1608	1677	1586
Required Regulating Reserve	389	373	436	443	440	437	441
Required Contingency Reserve	668	668	668	668	668	668	668
Required Dispatchable Reserve	600	600	600	600	600	600	600

*HVDC import/export will depend on power situation in Luzon and Visayas Grid
Ilijan NGPP at 0MW. End of Cooperation Period last June 5, 2022.

No of Units/MegaWatts not Available

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DATE	JULY														
	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri	
LUZON OUTAGE DATA															
No. of Units/ MW not available due to Outages	16	2341	16	2341	15	2076	15	2076	15	2076	15	2076	15	2076	
Coal	<i>Planned</i>	1	382	1	382	1	382	1	382	1	382	1	382	1	382
	<i>Unplanned</i>	2	947	2	947	2	947	2	947	2	947	2	947	2	947
Oil-based															
Oil Thermal	<i>Planned</i>	1	185	1	185	1	185	1	185	1	185	1	185	1	185
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combined Cycle (CC)/ Gas Turbine(GT)	<i>Planned</i>	2	180	2	180	2	180	2	180	2	180	2	180	2	180
	<i>Unplanned</i>	2	50	2	50	2	50	2	50	2	50	2	50	2	50
Natural Gas	<i>Planned</i>	1	265	1	265	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewable Energy															
Geothermal	<i>Planned</i>	1	57	1	57	1	57	1	57	1	57	1	57	1	57
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro	<i>Planned</i>	4	251	4	251	4	251	4	251	4	251	4	251	4	251
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Biomass	<i>Planned</i>	2	24	2	24	2	24	2	24	2	24	2	24	2	24
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wind	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solar	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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Based on the available data as of 2pm of July 22, 2022

DATE	JULY						
	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri
VISAYAS POWER OUTLOOK¹							
Available Generating Capacity (MW)	2184	2184	2189	2209	2239	2338	2338
<i>Coal</i>	1074	1074	1074	1074	1074	1243	1243
<i>Oil-based</i>	393	393	393	393	393	393	393
<i>Oil Thermal</i>							
<i>Diesel</i>	393	393	393	393	393	393	393
<i>Natural Gas</i>							
Renewable Energy	717	717	702	702	702	702	702
<i>Geothermal</i>	664	664	649	649	649	649	649
<i>Hydro</i>	9	9	9	9	9	9	9
<i>Biomass</i>	34	34	34	34	34	34	34
<i>Wind</i>	10	10	10	10	10	10	10
<i>Solar</i>	0	0	0	0	0	0	0
<i>HVDC from Luzon during evening Peak</i>	0	0	20	40	70	0	0
System Peak Demand (MW)	1818	1764	1901	1922	1925	1951	1959
Operating Margin/Deficiency (MW)	366	420	288	287	314	387	379
Stranded Capacity (MW)	58	61	47	45	67	40	38
Net Operating Margin (MW)	308	359	241	242	247	347	341
Required Regulating Reserve	73	71	76	77	77	78	78
Required Contingency Reserve	153	153	153	153	153	153	153
Required Dispatchable Reserve	150	150	150	150	150	150	150

¹ Power Outlook of Visayas does not include Solar capability. (Evening Peak Scenario).

No of Units/MegaWatts not Available

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DATE	JULY																
	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri										
VISAYAS OUTAGE DATA																	
No. of Units/ MW not available due to Outages	4	277	4	277	4	277	4	277	4	277	4	277	3	108	3	108	
<i>Coal</i>	<i>Planned</i>	1	82	1	82	1	82	1	82	1	82	1	82	1	82	1	82
	<i>Unplanned</i>	1	169	1	169	1	169	1	169	1	169	1	169	0	0	0	0
<i>Oil-based</i>																	
	<i>Oil Thermal</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Diesel</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	1	6	1	6	1	6	1	6	1	6	1	6	1	6	1	6
<i>Combined Cycle (CC)/ Gas Turbine(GT)</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Natural Gas</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewable Energy</i>																	
	<i>Geothermal</i>	<i>Planned</i>	1	20	1	20	1	20	1	20	1	20	1	20	1	20	1
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hydro</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Biomass</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Wind</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Solar</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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DATE	JULY						
	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri
MINDANAO POWER OUTLOOK							
Available Generating Capacity (MW)	2680	2681	2751	2751	2751	2751	2796
Coal	1392	1392	1392	1392	1392	1392	1392
Oil-based	512	512	524	524	524	524	524
<i>Oil Thermal</i>							
<i>Diesel*</i>	512	512	524	524	524	524	524
<i>Combined Cycle (CC)/ Gas Turbine(GT)</i>							
Natural Gas							
Renewable Energy	777	778	836	836	836	836	881
<i>Geothermal</i>	82	82	82	82	82	82	82
<i>Hydro*</i>	695	696	696	696	696	696	741
<i>Biomass</i>	0	0	0	0	0	0	0
<i>Wind</i>							
<i>Solar*</i>	0	0	58	58	58	58	58
BESS	0	0	0	0	0	0	0
System Peak Demand (MW)	1837	1700	2045	2075	2100	2160	2060
Operating Margin (MW)	843	981	706	676	651	591	736
Stranded Capacity (MW)	0	0	0	0	0	0	0
Required Regulating Reserve	73	68	82	83	84	86	82
Required Contingency Reserve	138	138	138	138	138	138	138
Required Dispatchable Reserve	138	138	138	138	138	138	138

* Grid & Embedded

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MINDANAO OUTAGE DATA														
No. of Units/MW not available due to Outages	6	535	6	535	6	535	6	535	6	535	6	535	6	535
Coal	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	4	400	4	400	4	400	4	400	4	400	4	400	4
Oil-based	<i>Planned</i>													
	<i>Unplanned</i>													
<i>Oil Thermal</i>	<i>Planned</i>													
	<i>Unplanned</i>													
<i>Diesel</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	1	50	1	50	1	50	1	50	1	50	1	50	1
<i>Combined Cycle (CC)/ Gas Turbine(GT)</i>	<i>Planned</i>													
	<i>Unplanned</i>													
Natural Gas	<i>Planned</i>													
	<i>Unplanned</i>													
Renewable Energy	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Geothermal</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hydro</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	1	85	1	85	1	85	1	85	1	85	1	85	0
<i>Biomass</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Wind</i>	<i>Planned</i>													
	<i>Unplanned</i>													
<i>Solar</i>	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0