

WEEKLY GRID OPERATING PROGRAM (GOP) MONITORING

WEEKLY OPERATING PROGRAM

Period Covered: **24-Oct-20** to **30-Oct-20**

Based on the available data as of 2pm of October 23, 2020

No of Units/MegaWatts not Available

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DATE	OCTOBER						
	24 Sat	25 Sun	26 Mon	27 Tue	28 Wed	29 Thu	30 Fri
LUZON POWER OUTLOOK							
Available Capacity (MW)	12239	11405	12185	12398	12423	12395	12468
Coal	5818	5818	5818	5818	5818	5818	5818
Oil-based	879	879	879	879	879	879	879
Oil Thermal	0	0	0	0	0	0	0
Diesel	504	504	504	504	504	504	504
Combined Cycle (CC)/ Gas Turbine(GT)	375	375	375	375	375	375	375
Natural Gas	2725	2725	2725	2998	2998	2998	2998
Renewable Energy	2807	1973	2753	2693	2718	2690	2763
Geothermal	460	460	460	460	460	460	460
Hydro	2045	1445	2045	1985	2045	1985	2045
Biomass	68	68	68	68	68	68	68
Wind	0	0	0	0	0	0	0
Solar	234	0	180	180	145	177	190
HVDC	0	0	0	0	0	0	0
BESS	10	10	10	10	10	10	10
System Load (MW)	8773	8070	9380	9429	9233	9222	9242
Operating Margin (MW)	3466	3335	2805	2969	3190	3173	3226
Required Regulating Reserve	350.92	322.80	375.20	377.16	369.32	368.88	369.68
Required Contingency Reserve	647.00	647.00	647.00	647.00	647.00	647.00	647.00
Required Dispatchable Reserve	460.00	460.00	460.00	460.00	460.00	460.00	460.00

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	24 Sat	25 Sun	26 Mon	27 Tue	28 Wed	29 Thu	30 Fri
LUZON OUTAGE DATA							
No. of Units/ MW not available due to Outages	0	0	0	0	0	0	0
Coal	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Oil-based	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Oil Thermal	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Diesel	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Combined Cycle (CC)/ Gas Turbine(GT)	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Natural Gas	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Renewable Energy	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Geothermal	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Hydro	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Biomass	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Wind	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0
Solar	<i>Planned</i>	0	0	0	0	0	0
	<i>Unplanned</i>	0	0	0	0	0	0

*HVDC import/export will depend on power situation in Luzon and Visayas Grid.

*Some hydro plants on limited capability due to low water elevation

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VISAYAS POWER OUTLOOK¹							
Available Capacity (MW)	1906	2108	2274	2279	2280	2282	2282
Coal	850	1014	1180	1180	1180	1180	1180
Oil-based	367	367	367	367	367	367	367
Oil Thermal							
Diesel	367	367	367	367	367	367	367
Combined Cycle (CC)/ Gas Turbine(GT)							
Natural Gas							
Renewable Energy	690	728	728	733	734	736	736
Geothermal	637	675	675	675	675	675	675
Hydro	9	9	9	9	9	9	9
Biomass	31	31	31	36	37	39	39
Wind	14	14	14	14	14	14	14
Solar	0	0	0	0	0	0	0
System Load (MW)	1799	1706	1856	1866	1859	1851	1833
Gross Reserve/Deficiency (MW)	243	402	419	413	421	431	450
Transmission Line Limitation	0	0	0	0	0	0	0
Operating Margin (MW)	243	402	419	413	421	431	450
Required Regulating Reserve	71.95	68.26	74.23	74.66	74.37	74.05	73.31
Required Contingency Reserve	166.00	166.00	166.00	166.00	166.00	166.00	166.00
Required Dispatchable Reserve	166.00	166.00	166.00	166.00	166.00	166.00	166.00

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	24 Sat	25 Sun	26 Mon	27 Tue	28 Wed	29 Thu	30 Fri								
VISAYAS OUTAGE DATA															
No. of Units/ MW not available due to Outages	8	605	6	440	6	440	5	274	5	274	5	274	5	274	
Coal	<i>Planned</i>	1	135	1	135	1	135	1	135	1	135	1	135	1	135
	<i>Unplanned</i>	5	392	3	226	3	226	2	60	2	60	2	60	2	60
Oil-based															
Oil Thermal	<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
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>	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
Natural Gas															
	<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
Renewable Energy															
Geothermal	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	2	79	2	79	2	79	2	79	2	79	2	79	2	79
Hydro	<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
Biomass	<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
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

¹Power Outlook of Visayas does not consider HVDC export power and Solar capability. (Evening Peak Scenario).

*HVDC import from Luzon at 135MW on Oct. 24, 2020 during evening peak.

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MINDANAO POWER OUTLOOK							
Available Capacity (MW)	2881	2881	2934	2934	2984	2984	2984
Coal	1496	1496	1496	1496	1546	1546	1546
Oil-based	562	562	562	562	562	562	562
Oil Thermal							
Diesel*	562	562	562	562	562	562	562
Combined Cycle (CC)/ Gas Turbine(GT)							
Natural Gas							
Renewable Energy	822	822	875	875	875	875	875
Geothermal	84	84	84	84	84	84	84
Hydro*	727	727	723	723	723	723	723
Biomass	11	11	11	11	11	11	11
Wind							
Solar*	0	0	57	57	57	57	57
System Load (MW)	1700	1560	1800	1821	1833	1840	1790
Operating Margin (MW)	1181	1321	1134	1113	1151	1144	1194
Transmission Line Limitation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Required Regulating Reserve	68.00	62.40	72.00	72.84	73.32	73.60	71.60
Required Contingency Reserve	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Required Dispatchable Reserve	150.00	150.00	150.00	150.00	150.00	150.00	150.00

* Grid & Embedded

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	24 Sat	25 Sun	26 Mon	27 Tue	28 Wed	29 Thu	30 Fri	24 Sat	25 Sun	26 Mon	27 Tue	28 Wed	29 Thu	30 Fri
MINDANAO OUTAGE DATA														
No. of Units/MW not available due to Outages	13	887	13	887	13	887	13	887	13	887	13	887	12	837
Coal	<i>Planned</i>		0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>		5	580	5	580	5	580	5	580	5	580	4	530
Oil-based	<i>Planned</i>													
	<i>Unplanned</i>													
Oil Thermal	<i>Planned</i>													
	<i>Unplanned</i>													
Diesel	<i>Planned</i>		1	11	1	11	1	11	1	11	1	11	1	11
	<i>Unplanned</i>		2	100	2	100	2	100	2	100	2	100	2	100
Combined Cycle (CC)/ Gas Turbine(GT)	<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
	<i>Unplanned</i>		0	0	0	0	0	0	0	0	0	0	0	0
Geothermal	<i>Planned</i>		3	120	3	120	3	120	3	120	3	120	3	120
	<i>Unplanned</i>		2	77	2	77	2	77	2	77	2	77	2	77
Hydro	<i>Planned</i>		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
Biomass	<i>Planned</i>													
	<i>Unplanned</i>													
Wind	<i>Planned</i>													
	<i>Unplanned</i>													
Solar	<i>Planned</i>		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