

WEEKLY GRID OPERATING PROGRAM (GOP) MONITORING

WEEKLY OPERATING PROGRAM

Period Covered: **22-Sep-18** to **28-Sep-18**

No of Units/MegaWatts not Available

Period Covered: **22-Sep-18** to **28-Sep-18**

DATE	SEPTEMBER						
	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri
LUZON POWER OUTLOOK							
Available Capacity (MW)	10935	10482	11372	11372	11392	11392	11392
Coal	4412	4412	4503	4503	4503	4503	4503
Oil-based	765	765	765	765	765	765	765
Oil Thermal	0	0	0	0	0	0	0
Diesel	355	355	355	355	355	355	355
Combined Cycle (CC)/ Gas Turbine(GT)	410	410	410	410	410	410	410
Natural Gas	3034	3034	3293	3293	3293	3293	3293
Renewable Energy	2714	2261	2801	2801	2821	2821	2821
Geothermal	345	432	432	432	452	452	452
Hydro	2302	1762	2302	2302	2302	2302	2302
Biomass	67	67	67	67	67	67	67
Wind	0	0	0	0	0	0	0
Solar	0	0	0	0	0	0	0
Battery Storage	10	10	10	10	10	10	10
System Load (MW)	8482	7911	9636	9687	9783	9790	9694
Gross Reserve/Deficiency (MW)	2453	2571	1736	1685	1609	1602	1698
Limitations	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Required Regulating Reserve	339.28	316.44	385.44	387.48	391.32	391.60	387.76
Required Contingency Reserve	647.00	647.00	647.00	647.00	647.00	647.00	647.00
Required Dispatchable Reserve	456.00	456.00	456.00	456.00	456.00	456.00	456.00

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

DATE	SEPTEMBER														
	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri	
LUZON OUTAGE DATA															
No. of Units/ MW not available due to Outages		11	2110	9	2024	8	1759	8	1759	7	1744	7	1744	8	1814
Coal	Planned	1	647	1	647	1	647	1	647	1	647	1	647	1	647
	Unplanned	2	517	2	517	2	517	2	517	2	517	2	517	2	517
Oil-based															
Oil Thermal	Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	2	470	2	470	2	470	2	470	2	470	2	470	2	470
Diesel	Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combined Cycle (CC)/ Gas Turbine(GT)	Planned	1	70	1	70	1	70	1	70	1	70	1	70	1	70
	Unplanned	0	0	0	0	0	0	0	0	0	0	0	0	1	70
Natural Gas															
Planned	1	265	1	265	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewable Energy															
Geothermal	Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	4	141	2	55	2	55	2	55	1	40	1	40	1	40
Hydro	Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Biomass	Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wind	Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solar	Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Unplanned	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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DATE	SEPTEMBER						
	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri
VISAYAS POWER OUTLOOK¹							
Available Capacity (MW)	2048	2048	2048	2048	2048	2048	2064
Coal	1043	1043	1043	1043	1043	1043	1043
Oil-based	265	265	265	265	265	265	281
Oil Thermal							
Diesel	265	265	265	265	265	265	281
Combined Cycle (CC)/ Gas Turbine(GT)							
Natural Gas							
Renewable Energy	740	740	740	740	740	740	740
Geothermal	703	703	703	703	703	703	703
Hydro	12	12	12	12	12	12	12
Biomass	26	26	26	26	26	26	26
Wind	0	0	0	0	0	0	0
Solar	0	0	0	0	0	0	0
System Load (MW)	1726	1689	1867	1877	1900	1865	1842
Gross Reserve/Deficiency (MW)	322	359	181	171	148	183	222
Transmission Line Limitation	58	58	29	30	22	26	34
Net Reserve/Deficiency (MW)	264	301	152	141	126	157	188
Required Regulating Reserve	12.87	14.35	7.24	6.82	5.91	7.32	8.88
Required Contingency Reserve	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Required Dispatchable Reserve	103.00	103.00	103.00	103.00	103.00	103.00	103.00

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

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

DATE	SEPTEMBER													
	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri
VISAYAS OUTAGE DATA														
No. of Units/ MW not available due to Outages	1	38	1	38	1	38	1	38	1	38	1	38	1	38
Coal	<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
Oil-based														
Oil Thermal	<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
Diesel	<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
Combined Cycle (CC)/ Gas Turbine(GT)	<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
Natural Gas	<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
Renewable Energy														
Geothermal	<i>Planned</i>	1	38	1	38	1	38	1	38	1	38	1	38	1
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro	<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
Biomass	<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
Wind	<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
Solar	<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

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Period Covered: **22-Sep-18** to **28-Sep-18**

DATE	SEPTEMBER						
	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri
MINDANAO POWER OUTLOOK							
Available Capacity (MW)	2299	2298	2341	2347	2344	2300	2277
Coal	1165	1165	1165	1165	1165	1165	1165
Oil-based	430	428	428	430	430	430	390
Oil Thermal							
Diesel*	430	428	428	430	430	430	390
Combined Cycle (CC)/ Gas Turbine(GT)							
Natural Gas							
Renewable Energy	705	705	748	753	749	705	722
Geothermal	46	46	46	46	46	46	46
Hydro*	646	646	664	664	664	646	663
Biomass	14	14	14	14	14	14	14
Wind							
Solar*	0	0	24	29	26	0	0
System Load (MW)	1575	1502	1715	1755	1760	1783	1738
Gross Reserve/Deficiency (MW)	724	796	626	592	583	516	539
Transmission Line Limitation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Required Regulating Reserve	63.00	60.08	68.60	70.21	70.41	71.33	69.52
Required Contingency Reserve	132.00	132.00	132.00	132.00	132.00	132.00	132.00
Required Dispatchable Reserve	132.00	132.00	132.00	132.00	132.00	132.00	132.00

* Grid & Embedded

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	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri
MINDANAO OUTAGE DATA														
No. of Units/MW not available due to Outages	11	556	11	556	11	556	11	556	11	556	11	556	11	556
Coal	<i>Planned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Unplanned</i>	2	175	2	175	2	175	2	175	2	175	2	175	2
Oil-based														
Oil Thermal	<i>Planned</i>													
	<i>Unplanned</i>													
Diesel	<i>Planned</i>	2	19	2	19	2	19	2	19	2	19	2	19	2
	<i>Unplanned</i>	1	60	1	60	1	60	1	60	1	60	1	60	1
Combined Cycle (CC)/ Gas Turbine(GT)	<i>Planned</i>													
	<i>Unplanned</i>													
Natural Gas	<i>Planned</i>													
	<i>Unplanned</i>													
Renewable Energy														
Geothermal	<i>Planned</i>	1	50	1	50	1	50	1	50	1	50	1	50	1
	<i>Unplanned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro	<i>Planned</i>	4	225	4	225	4	225	4	225	4	225	4	225	4
	<i>Unplanned</i>	1	27	1	27	1	27	1	27	1	27	1	27	1
Biomass	<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
Wind	<i>Planned</i>													
	<i>Unplanned</i>													
Solar	<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