

POWER OUTLOOK during Malampaya Scheduled Maintenance Shutdown (MSMS)

(January 28-February 16, 2017)



Meralco Multipurpose Hall, Meralco Compound, Ortigas City January 19, 2017

Malampaya Scheduled Maintenance Shutdown (MSMS)

Assumptions:

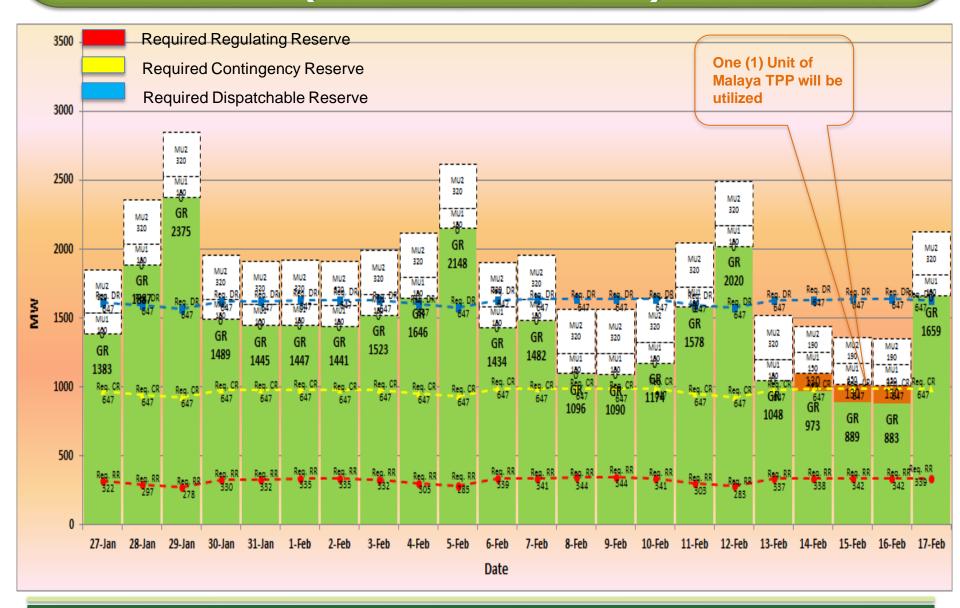
- Planned Maintenance Outage of Generators as of January 2017
- Malampaya Scheduled Maintenance Shutdown on January 28-February 16, 2017
- Coordination Meetings on various Stakeholders (DOE, COE, PEMC, Meralco, Affected Generators, PSALM, NPC)



Power Outlook – Jan. 27-Feb.17, 2017 (Best Case Rev. 1)

	JANUARY					FEBRUARY																
DATE	27	28	29	30	31	01	02	03	04	05	06	07	80	09	10	11	12	13	14	15	16	17
	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI
														Highest peak								
	LUZON POWER OUTLOOK											demand during the activity										
Installed Capacity (MW)	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920
Dependable Capacity (MW)	9443	9318	9318	9737	9737	9821	9821	9821	9281	9281	9909	10002	9700	9700	9700	9160	9104	9464	9563	9563	9563	10124
Thermal	0	0	0	0	0	0	0	0	0	0	0	0	Q	p	0	0	0	0	130	130	130	0
Coal	4164	4164	4164	4043	4043	4043	4043	4043	4043	4043	4166	4166	3864	3864	3864	3864	3864	3864	3864	3864	3864	3864
Diesel	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
Combined Cycle/Nat Gas	1987	2407	2407	2407	2407	2407	2407	2407	2407	2407	2407	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	3188
Geothermal	455	455	455	455	455	455	455	455	455	455	455	455	455	√ 455	455	455	399	399	399	399	399	399
HVDC	0	0	0	0	0	0	0	0	0	0	0	0	0	\ 0	0	0	0	0	0	0	0	0
Wind	267	262	262	262	262	246	246	246	246	246	246	249	249	249	249	249	249	249	218	218	218	218
Solar	71	71	71	71	71	71	71	71	71	71	71	71	71	\ 71	71	71	71	71	71	71	71	71
Biomass	48	48	48	48	48	48	48	48	48	48	48	48	48	\48	48	48	48	48	48	48	48	48
Hydro	1900	1360	1360	1900	1900	2000	2000	2000	1460	1460	1965	1965	1965	1965	1965	1425	1425	1785	1785	1785	1785	1785
System Load (MW)	8060	7431	6943	8248	8292	8374	8380	8298	7635	7133	8475	8520	860	8610	8526	7582	7084	8416	8460	8544	8550	8466
Gross Reserve/Deficiency (MW)	1383	1887	2375	1489	1445	1447	1441	1523	1646	2148	1434	1482	1096	1090	1174	1578	202)	1048	1103	1019	1013	658
Required Regulating Reserve	322	297	278	330	332	335	335	332	305	285	339	341	J 44	344	341	303	2გა	337	330	34Z	J4Z	339
Required Contingency Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647
Required Dispatchable Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	- (647

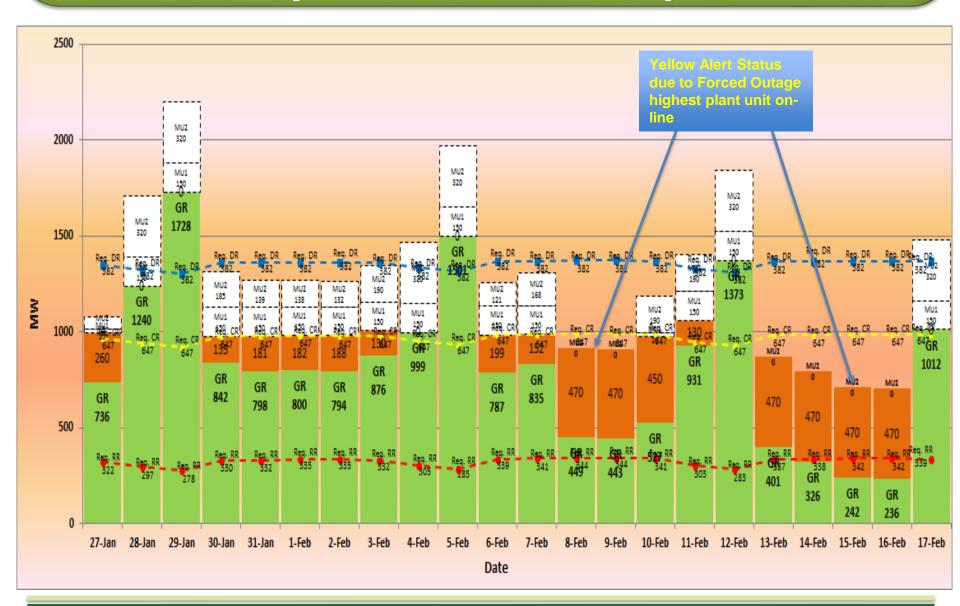
Power Outlook – Jan. 27-Feb.17, 2017 (Best Case Rev. 1)



Power Outlook – Jan. 27-Feb.17, 2017 (Worst Case Rev. 1)

		JANUARY				FEBRUARY																
DATE	27	28	29	30	31	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI
																	Outag	-				
	LUZON POWER OUTLOOK												Highest Plant Unit on-line									
Installed Capacity (MW)	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920	13920
Dependable Capacity (MW)	9056	8671	8671	9225	9271	9356	9362	9304	8634	8634	9461	9507	9523	9523	9503	8643	8457	9287	9256	9256	9256	9477
Thermal	260	0	0	135	181	182	188	130	0	0	199	152	470	470	450	/130	0	470	470	470	470	0
Coal	3517	3517	3517	3396	3396	3396	3396	3396	3396	3396	3519	3519	3217	3217	\$ 217	/3217	3217	3217	3217	3217	3217	3217
Diesel	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551	551
Combined Cycle/Nat Gas	1987	2407	2407	2407	2407	2407	2407	2407	2407	2407	2407	2497	2497	2497	2497	2497	2497	2497	2497	2497	2497	3188
Geothermal	455	455	455	455	455	455	455	455	455	455	455	455	455	455	4 55	455	399	399	399	399	399	399
HVDC	0	0	0	0	0	0	0	0	0	0	0	0	0	q	/ 0	0	0	0	0	0	0	0
Wind	267	262	262	262	262	246	246	246	246	246	246	249	249	249	249	249	249	249	218	218	218	218
Solar	71	71	71	71	71	71	71	71	71	71	71	71	71	/71/	71	71	71	71	71	71	71	71
Biomass	48	48	48	48	48	48	48	48	48	48	48	48	48	/4/8	48	48	48	48	48	48	48	48
Hydro	1900	1360	1360	1900	1900	2000	2000	2000	1460	1460	1965	1965	1965	1965	1965	1425	1425	1785	1785	1785	1785	1785
System Load (MW)	8060	7//31	6943	8248	8292	8374	ጸ3ጸበ	8298	7635	7133	8475	8520	8604	8610	8526	7582	7084	8416	8460	8544	8550	8466
Gross Reserve/Deficiency (MW)	996	1240	1728	977	979	982	982	1006	999	1501	986	987	919	913	977	1061	1373	871	796	712	706	1011
Required Regulating Reserve	322	297	278	330	332	335	335	332	305	285	339	341	344	344	341	303	283	337	338	342	342	339
Required Contingency Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647	647
Required Dispatchable Reserve	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382

Power Outlook – Jan. 27-Feb.17, 2017 (Worst Case Rev. 1)



Power Outlook – Jan. 27-Feb.17, 2017 (Action Plans)

Action Taken/Plan:

- Coordinated with PSALM for the conduct of Heat Run Test (HRT) on Malaya TPP to ensure reliable operation
 - ✓ Completed HRT for Unit 1 on January 11, 2017
 - ✓ Completed HRT for Unit 2 on January 17, 2017
- Coordinated with PSALM on the sufficiency of fuel inventory for Malaya TPP (Fuel Inventory as of Jan. 18, 2017 – 31.819Mliters)
- Deferment of maintenance requests from Generating Plant Unit (GPU) during the MSMS
- No Certification/Accreditation of test renewal for AS Providers
- Deferment of transmission line/substation equipment maintenance outage requests that entails reduction of power supply except during emergency situations



Thank you!

