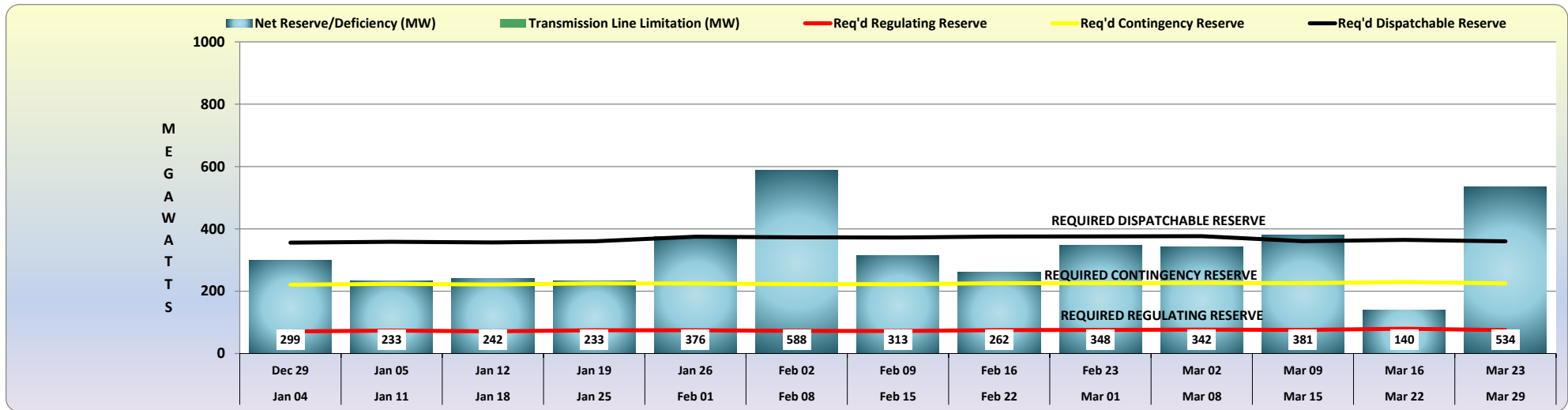


VISAYAS GRID (Actual Data) 2018 1st Quarter Reserve Profile

REVISION 1

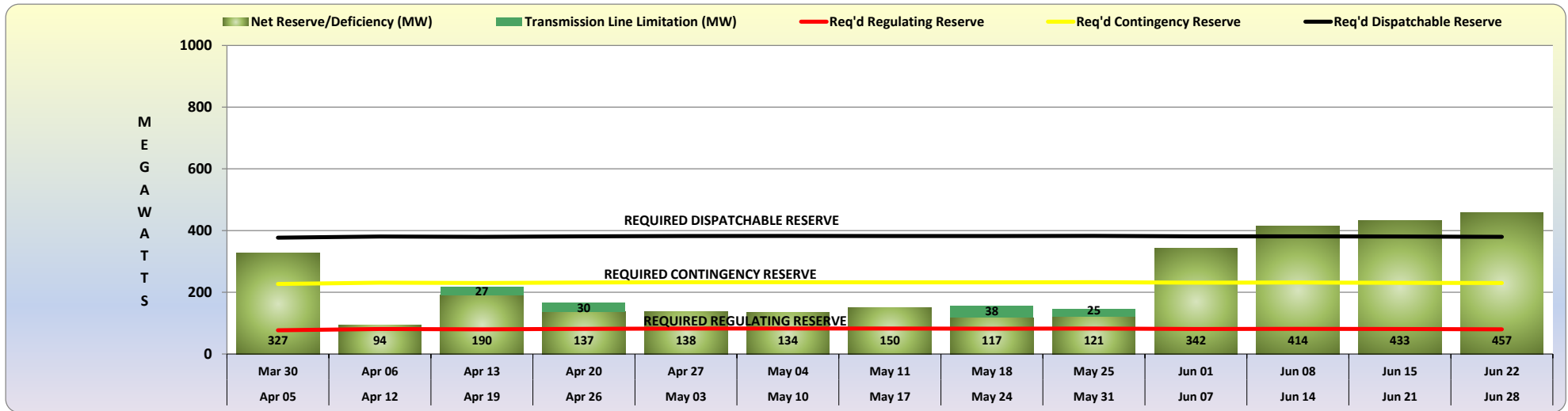


2018	1ST QUARTER													
	Dec 29	Jan 05	Jan 12	Jan 19	Jan 26	Feb 02	Feb 09	Feb 16	Feb 23	Mar 02	Mar 09	Mar 16	Mar 23	
	Jan 04	Jan 11	Jan 18	Jan 25	Feb 01	Feb 08	Feb 15	Feb 22	Mar 01	Mar 08	Mar 15	Mar 22	Mar 29	
Available Capacity (MW)	2,070	2,073	2,024	2,103	2,242	2,407	2,124	2,146	2,243	2,256	2,268	2,129	2,410	
Coal	895	864	895	893	896	963	933	888	942	1,005	1,015	964	963	
Geothermal	460	455	472	511	570	570	619	586	617	613	613	658	697	
Diesel	395	424	341	396	407	426	262	411	400	404	420	434	372	
Power Barges	221	204	200	172	36	98	51	158	(87)	(108)	(137)	(253)	-	
Hydro	17	15	17	11	9	9	10	8	12	6	7	8	7	
Biomass	22	63	68	70	65	70	63	72	71	72	72	72	70	
Solar	-	-	-	-	207	217	151	-	253	232	235	206	238	
Wind	61	49	32	51	52	55	35	23	35	33	44	40	63	
System Load (MW)	1,771	1,840	1,782	1,870	1,866	1,819	1,810	1,884	1,895	1,914	1,887	1,989	1,876	
Gross Reserve/Deficiency (MW)	299	233	242	233	376	588	313	262	348	342	381	140	534	
Transmission Line Limitation (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Reserve/Deficiency (MW)	299	233	242	233	376	588	313	262	348	342	381	140	534	
Req'd Regulating Reserve	71	74	71	75	75	73	72	75	76	77	75	80	75	
Req'd Contingency Reserve	150	150	150	150	150	150	150	150	150	150	150	150	150	
Req'd Dispatchable Reserve	135	135	135	135	150	150	150	150	150	150	135	135	135	

1. Peak Demand Forecast at 2,143 MW to occur in December 2018 based from the approved DOE Forecast for the Power Development Plan 2016 – 2040.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

VISAYAS GRID 2018 2nd Quarter Reserve Profile

REVISION 1

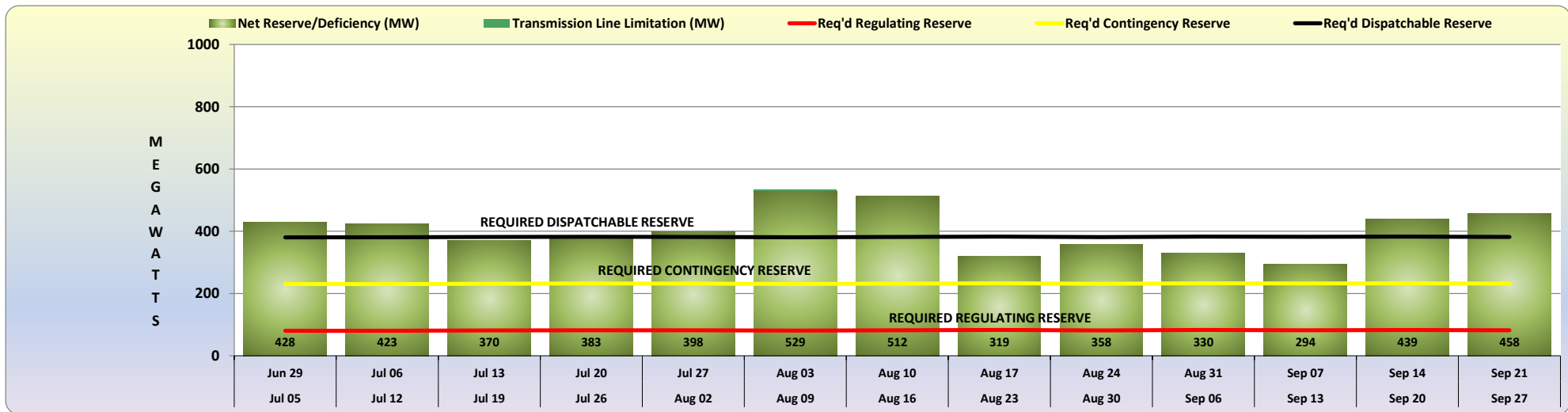


2018	2ND QUARTER													
	Mar 30	Apr 06	Apr 13	Apr 20	Apr 27	May 04	May 11	May 18	May 25	Jun 01	Jun 08	Jun 15	Jun 22	
	Apr 05	Apr 12	Apr 19	Apr 26	May 03	May 10	May 17	May 24	May 31	Jun 07	Jun 14	Jun 21	Jun 28	
Available Capacity (MW)	2,251	2,119	2,215	2,203	2,202	2,202	2,211	2,211	2,211	2,368	2,450	2,454	2,454	
Coal	963	1,008	1,090	1,090	1,111	1,111	1,111	1,111	1,111	1,261	1,343	1,343	1,343	
Geothermal	728	642	642	642	642	642	642	642	642	642	642	642	642	
Diesel	308	296	305	290	286	286	296	296	296	305	305	309	309	
Power Barges	(76)	75	80	80	80	80	80	80	80	80	80	80	80	
Hydro	7	13	13	16	16	16	15	15	15	16	16	16	16	
Biomass	70	60	60	60	46	46	46	46	46	46	46	46	46	
Solar	232	-	-	-	-	-	-	-	-	-	-	-	-	
Wind	20	25	25	25	21	21	21	21	21	18	18	18	18	
System Load (MW)	1,925	2,025	1,998	2,036	2,064	2,068	2,061	2,056	2,065	2,026	2,036	2,021	1,997	
Gross Reserve/Deficiency (MW)	327	94	217	167	138	134	150	155	146	342	414	433	457	
Transmission Line Limitation (MW)	0	0	27	30	0	0	0	38	25	0	0	0	0	
Net Reserve/Deficiency (MW)	327	94	190	137	138	134	150	117	121	342	414	433	457	
Req'd Regulating Reserve	77	81	80	81	83	83	82	82	83	81	81	81	80	
Req'd Contingency Reserve	150	150	150	150	150	150	150	150	150	150	150	150	150	
Req'd Dispatchable Reserve	150	150	150	150	150	150	150	150	150	150	150	150	150	

1. Peak Demand Forecast at 2,143 MW to occur in December 2018 based from the approved DOE Forecast for the Power Development Plan 2016 – 2040.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

VISAYAS GRID 2018 3rd Quarter Reserve Profile

REVISION 1

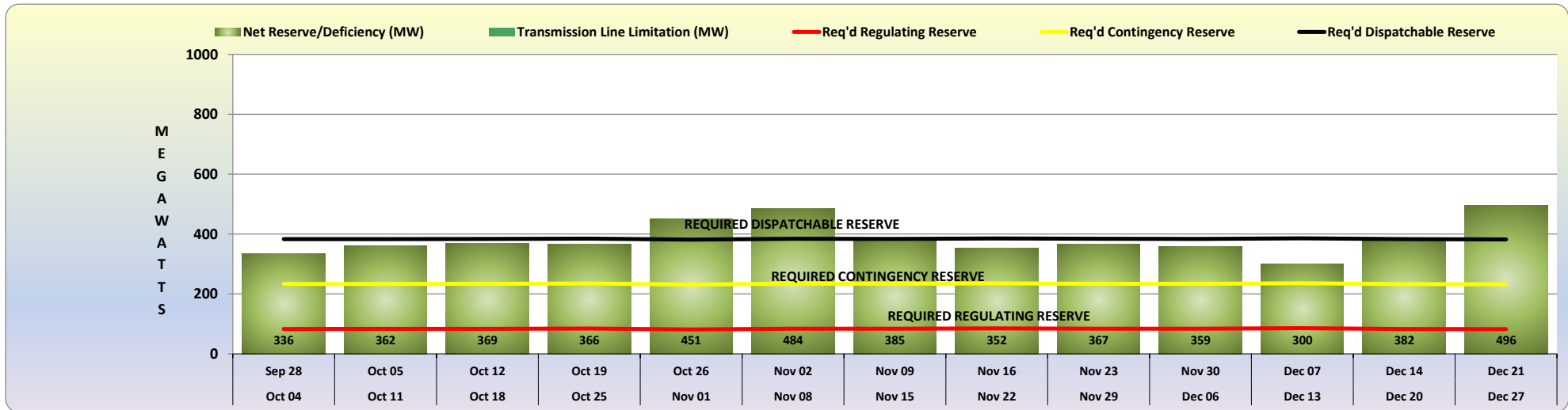


2018	3RD QUARTER													
	Jun 29	Jul 06	Jul 13	Jul 20	Jul 27	Aug 03	Aug 10	Aug 17	Aug 24	Aug 31	Sep 07	Sep 14	Sep 21	
	Jul 05	Jul 12	Jul 19	Jul 26	Aug 02	Aug 09	Aug 16	Aug 23	Aug 30	Sep 06	Sep 13	Sep 20	Sep 27	
Available Capacity (MW)	2,436	2,436	2,409	2,436	2,442	2,550	2,555	2,387	2,393	2,398	2,347	2,509	2,504	
Coal	1,343	1,343	1,343	1,343	1,343	1,343	1,343	1,208	1,208	1,208	1,208	1,343	1,343	
Geothermal	642	642	615	642	642	750	750	723	723	723	668	695	695	
Diesel	309	309	309	309	309	304	309	303	309	305	309	309	304	
Power Barges	80	80	80	80	80	80	80	80	80	80	80	80	80	
Hydro	16	16	16	16	16	16	16	16	16	16	16	16	16	
Biomass	31	31	31	31	37	32	32	32	32	32	52	52	52	
Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wind	15	15	15	15	15	25	25	25	25	14	14	14	14	
System Load (MW)	2,008	2,013	2,039	2,053	2,044	2,017	2,043	2,068	2,035	2,068	2,053	2,070	2,046	
Gross Reserve/Deficiency (MW)	428	423	370	383	398	533	512	319	358	330	294	439	458	
Transmission Line Limitation (MW)	0	0	0	0	0	4	0	0	0	0	0	0	0	
Net Reserve/Deficiency (MW)	428	423	370	383	398	529	512	319	358	330	294	439	458	
Req'd Regulating Reserve	80	81	82	82	82	81	82	83	81	83	82	83	82	
Req'd Contingency Reserve	150	150	150	150	150	150	150	150	150	150	150	150	150	
Req'd Dispatchable Reserve	150	150	150	150	150	150	150	150	150	150	150	150	150	

1. Peak Demand Forecast at 2,143 MW to occur in December 2018 based from the approved DOE Forecast for the Power Development Plan 2016 – 2040.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

VISAYAS GRID 2018 4th Quarter Reserve Profile

REVISION 1



2018	4TH QUARTER													
	Sep 28	Oct 05	Oct 12	Oct 19	Oct 26	Nov 02	Nov 09	Nov 16	Nov 23	Nov 30	Dec 07	Dec 14	Dec 21	
	Oct 04	Oct 11	Oct 18	Oct 25	Nov 01	Nov 08	Nov 15	Nov 22	Nov 29	Dec 06	Dec 13	Dec 20	Dec 27	
Available Capacity (MW)	2,414	2,445	2,461	2,486	2,486	2,587	2,479	2,484	2,467	2,456	2,443	2,456	2,550	
Coal	1,261	1,261	1,261	1,343	1,343	1,343	1,240	1,240	1,240	1,240	1,240	1,240	1,343	
Geothermal	676	731	731	676	676	750	750	750	733	733	733	733	714	
Diesel	309	285	306	299	299	309	304	309	309	299	286	299	309	
Power Barges	80	80	75	80	80	80	80	80	80	80	80	80	80	
Hydro	16	16	16	16	16	16	16	16	16	16	16	16	16	
Biomass	51	51	51	51	51	60	60	60	60	60	60	60	60	
Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wind	21	21	21	21	21	29	29	29	29	28	28	28	28	
System Load (MW)	2,078	2,083	2,092	2,120	2,035	2,103	2,094	2,132	2,100	2,097	2,143	2,074	2,054	
Gross Reserve/Deficiency (MW)	336	362	369	366	451	484	385	352	367	359	300	382	496	
Transmission Line Limitation (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Reserve/Deficiency (MW)	336	362	369	366	451	484	385	352	367	359	300	382	496	
Req'd Regulating Reserve	83	83	84	85	81	84	84	85	84	84	86	83	82	
Req'd Contingency Reserve	150	150	150	150	150	150	150	150	150	150	150	150	150	
Req'd Dispatchable Reserve	150	150	150	150	150	150	150	150	150	150	150	150	150	

1. Peak Demand Forecast at 2,143 MW to occur in December 2018 based from the approved DOE Forecast for the Power Development Plan 2016 – 2040.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.