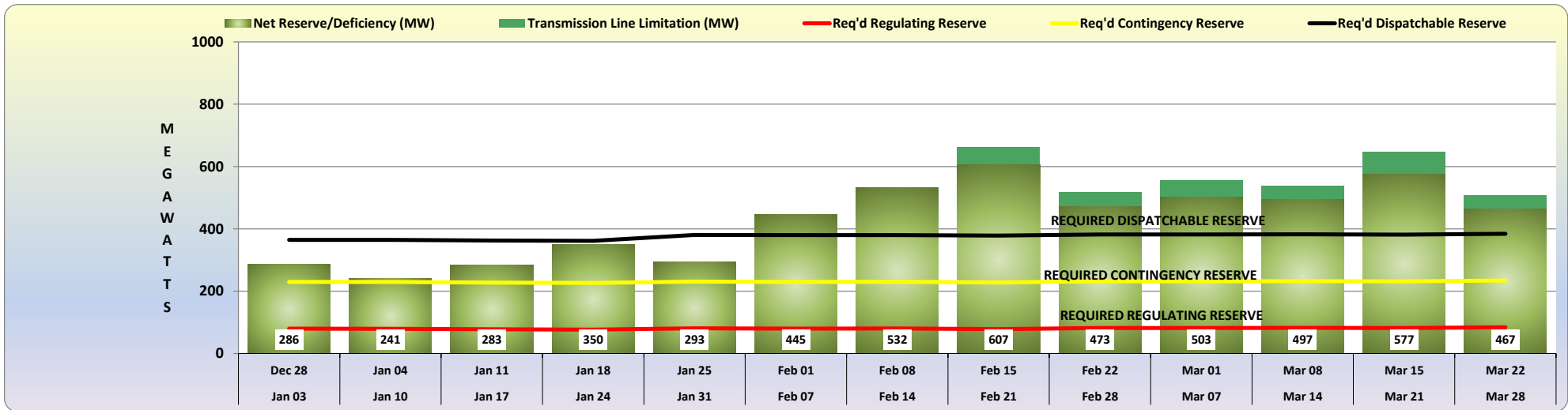


VISAYAS GRID 2019 1st Quarter Reserve Profile

REVISION 0

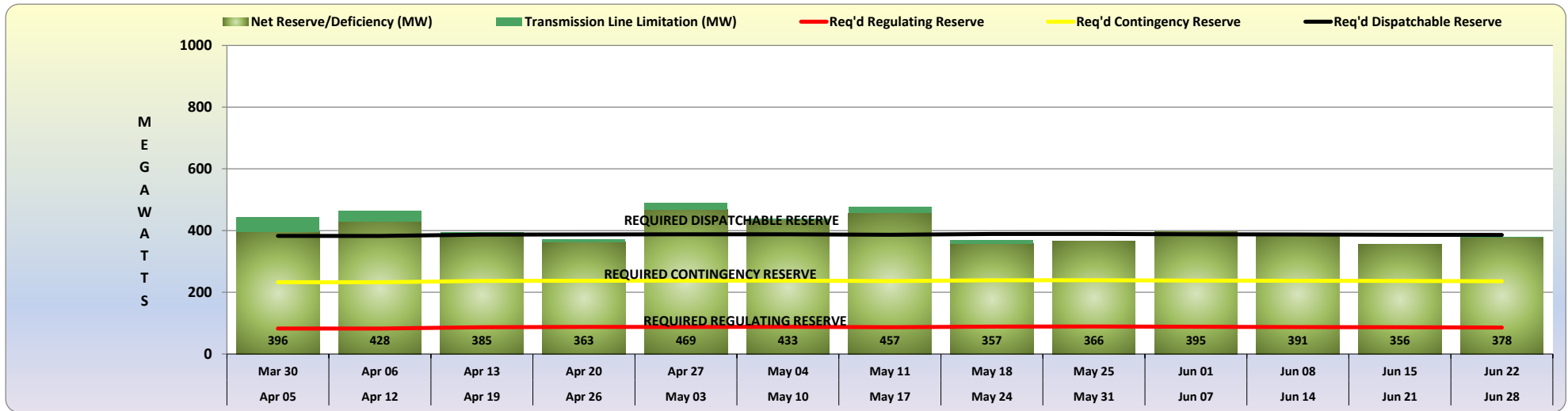


2019	1ST QUARTER													
	Dec 28	Jan 04	Jan 11	Jan 18	Jan 25	Feb 01	Feb 08	Feb 15	Feb 22	Mar 01	Mar 08	Mar 15	Mar 22	
	Jan 03	Jan 10	Jan 17	Jan 24	Jan 31	Feb 07	Feb 14	Feb 21	Feb 28	Mar 07	Mar 14	Mar 21	Mar 28	
Available Capacity (MW)	2,276	2,226	2,226	2,264	2,308	2,438	2,536	2,618	2,563	2,600	2,596	2,690	2,614	
Coal	940	940	940	940	1,008	1,158	1,261	1,343	1,261	1,261	1,261	1,343	1,261	
Geothermal	776	738	738	776	740	740	740	740	740	776	776	776	776	
Diesel	379	367	367	367	379	351	345	345	373	368	361	374	379	
Power Barges	50	50	50	50	50	55	55	55	55	75	75	75	75	
Hydro	24	24	24	24	24	24	24	24	24	21	24	24	24	
Biomass	60	60	60	60	60	60	60	60	60	60	60	60	60	
Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wind	47	47	47	47	47	50	50	50	50	39	39	39	39	
System Load (MW)	1,990	1,985	1,943	1,914	2,015	1,993	2,004	1,956	2,046	2,046	2,057	2,043	2,106	
Gross Reserve/Deficiency (MW)	286	241	283	350	293	445	532	662	517	554	539	647	508	
Transmission Line Limitation (MW)	0	0	0	0	0	0	0	55	44	51	42	70	41	
Net Reserve/Deficiency (MW)	286	241	283	350	293	445	532	607	473	503	497	577	467	
Req'd Regulating Reserve	80	79	78	77	81	80	80	78	82	82	82	82	84	
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	150	150	150	

1. Peak Demand Forecast at 2,299 MW to occur in December 2019 based from the approved DOE Forecast.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

VISAYAS GRID 2019 2nd Quarter Reserve Profile

REVISION 0

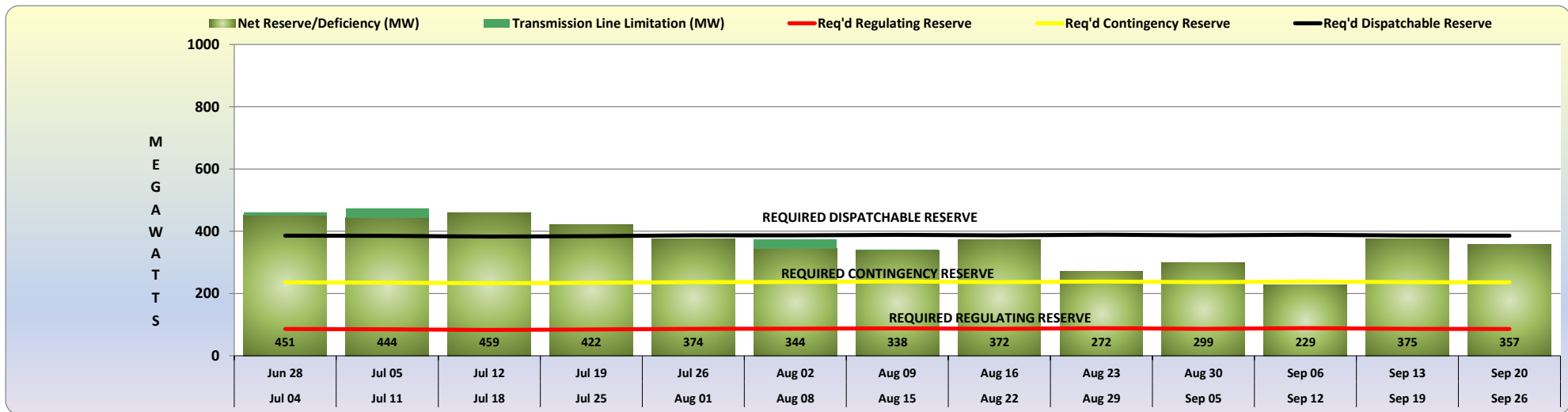


2019	2ND QUARTER												
	Mar 29	Apr 05	Apr 12	Apr 19	Apr 26	May 03	May 10	May 17	May 24	May 31	Jun 07	Jun 14	Jun 21
	Apr 04	Apr 11	Apr 18	Apr 25	May 02	May 09	May 16	May 23	May 30	Jun 06	Jun 13	Jun 20	Jun 27
Available Capacity (MW)	2,513	2,526	2,564	2,561	2,684	2,641	2,640	2,589	2,596	2,596	2,576	2,523	2,524
Coal	1,261	1,261	1,261	1,261	1,343	1,343	1,343	1,343	1,343	1,343	1,343	1,261	1,261
Geothermal	702	702	740	740	776	776	776	731	731	731	731	776	776
Diesel	364	379	379	374	379	363	363	357	363	379	358	378	379
Power Barges	75	75	75	75	75	75	75	75	75	75	75	75	75
Hydro	24	22	22	24	24	24	23	23	24	24	24	24	24
Biomass	60	60	60	60	60	49	49	49	49	38	38	3	3
Solar	-	-	-	-	-	-	-	-	-	-	-	-	-
Wind	27	27	27	27	27	11	11	11	11	6	6	6	6
System Load (MW)	2,070	2,063	2,170	2,189	2,194	2,203	2,163	2,221	2,230	2,201	2,185	2,167	2,144
Gross Reserve/Deficiency (MW)	443	463	394	372	490	438	477	368	366	395	391	356	380
Transmission Line Limitation (MW)	47	35	9	9	21	5	20	11	0	0	0	0	2
Net Reserve/Deficiency (MW)	396	428	385	363	469	433	457	357	366	395	391	356	378
Req'd Regulating Reserve	83	83	87	88	88	88	87	89	89	88	87	87	86
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 2,299 MW to occur in December 2019 based from the approved DOE Forecast.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

VISAYAS GRID 2019 3rd Quarter Reserve Profile

REVISION 0

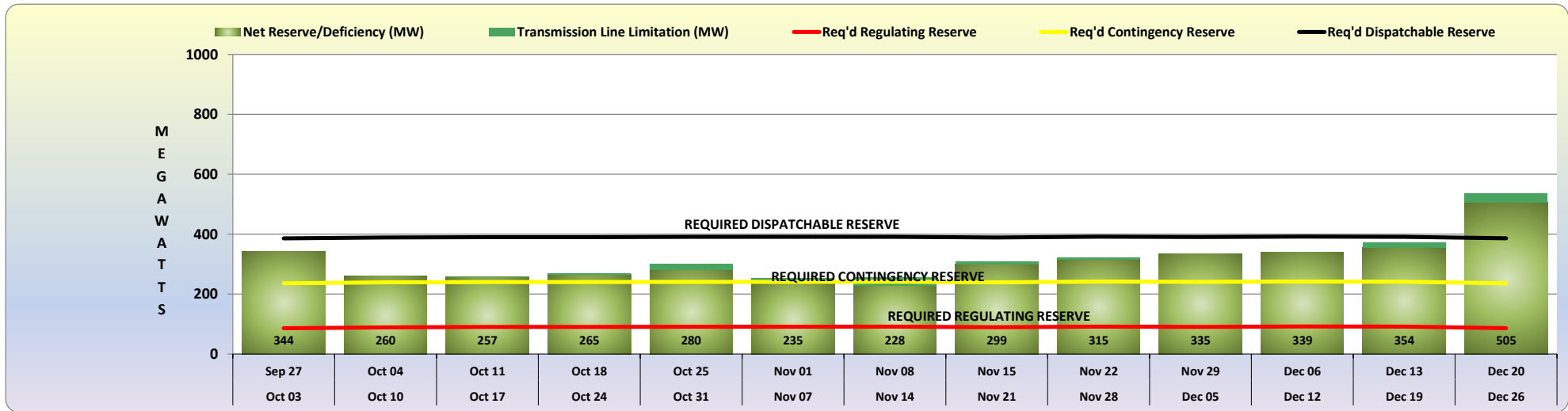


2019	3RD QUARTER													
	Jun 28	Jul 05	Jul 12	Jul 19	Jul 26	Aug 02	Aug 09	Aug 16	Aug 23	Aug 30	Sep 06	Sep 13	Sep 20	
	Jul 04	Jul 11	Jul 18	Jul 25	Aug 01	Aug 08	Aug 15	Aug 22	Aug 29	Sep 05	Sep 12	Sep 19	Sep 26	
Available Capacity (MW)	2,610	2,600	2,534	2,534	2,540	2,548	2,548	2,538	2,489	2,465	2,447	2,534	2,502	
Coal	1,343	1,343	1,261	1,261	1,261	1,261	1,261	1,261	1,208	1,208	1,208	1,208	1,208	
Geothermal	776	776	776	776	776	776	776	776	776	738	738	776	740	
Diesel	373	363	379	379	379	379	379	369	373	379	361	375	379	
Power Barges	75	75	75	75	75	75	75	75	75	75	75	75	75	
Hydro	24	24	24	24	24	24	24	24	24	24	24	24	24	
Biomass	3	3	3	3	9	9	9	9	9	25	25	60	60	
Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wind	16	16	16	16	16	24	24	24	24	16	16	16	16	
System Load (MW)	2,150	2,127	2,075	2,112	2,166	2,174	2,208	2,166	2,217	2,166	2,218	2,159	2,145	
Gross Reserve/Deficiency (MW)	460	473	459	422	374	374	340	372	272	299	229	375	357	
Transmission Line Limitation (MW)	9	29	0	0	0	30	2	0	0	0	0	0	0	
Net Reserve/Deficiency (MW)	451	444	459	422	374	344	338	372	272	299	229	375	357	
Req'd Regulating Reserve	86	85	83	84	87	87	88	87	89	87	89	86	86	
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 2,299 MW to occur in December 2019 based from the approved DOE Forecast.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

VISAYAS GRID 2019 4th Quarter Reserve Profile

REVISION 0



2019	4TH QUARTER													
	Sep 27	Oct 04	Oct 11	Oct 18	Oct 25	Nov 01	Nov 08	Nov 15	Nov 22	Nov 29	Dec 06	Dec 13	Dec 20	
	Oct 03	Oct 10	Oct 17	Oct 24	Oct 31	Nov 07	Nov 14	Nov 21	Nov 28	Dec 05	Dec 12	Dec 19	Dec 26	
Available Capacity (MW)	2,495	2,484	2,516	2,526	2,573	2,525	2,537	2,537	2,614	2,600	2,638	2,651	2,687	
Coal	1,208	1,208	1,240	1,240	1,240	1,200	1,200	1,200	1,343	1,343	1,343	1,343	1,343	
Geothermal	740	740	740	740	776	776	776	776	702	702	740	740	776	
Diesel	370	359	360	370	379	359	371	371	379	366	366	379	379	
Power Barges	75	75	75	75	75	75	75	75	75	75	75	75	75	
Hydro	24	24	24	24	24	24	24	24	24	24	24	24	24	
Biomass	59	59	59	59	60	60	60	60	60	60	60	60	60	
Solar	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wind	19	19	19	19	19	31	31	31	31	30	30	30	30	
System Load (MW)	2,151	2,224	2,257	2,258	2,272	2,272	2,282	2,229	2,292	2,265	2,299	2,281	2,152	
Gross Reserve/Deficiency (MW)	344	260	259	268	301	253	255	308	322	335	339	370	535	
Transmission Line Limitation (MW)	0	0	2	3	21	18	27	9	7	0	0	16	30	
Net Reserve/Deficiency (MW)	344	260	257	265	280	235	228	299	315	335	339	354	505	
Req'd Regulating Reserve	86	89	90	90	91	91	91	89	92	91	92	91	86	
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 2,299 MW to occur in December 2019 based from the approved DOE Forecast.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.