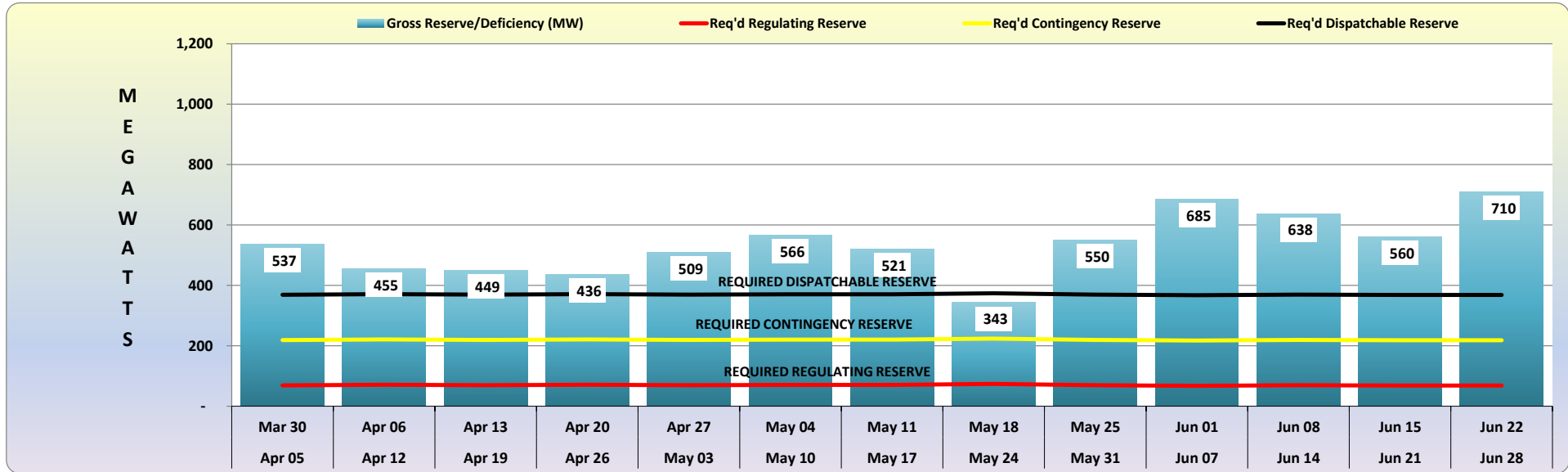


2018	1ST QUARTER												
	Dec 29	Jan 05	Jan 12	Jan 19	Jan 26	Feb 02	Feb 09	Feb 16	Feb 23	Mar 02	Mar 09	Mar 16	Mar 23
	Jan 04	Jan 11	Jan 18	Jan 25	Feb 01	Feb 08	Feb 15	Feb 22	Mar 01	Mar 08	Mar 15	Mar 22	Mar 29
<b>Available Capacity (MW)</b>	2,373	2,340	2,272	2,292	2,296	2,397	2,268	2,328	2,038	2,123	2,099	2,039	2,116
Coal	1,082	1,087	1,087	957	957	1,087	886	957	856	979	979	916	1,022
Geothermal	101	101	101	101	101	101	101	101	101	101	101	101	101
Hydro	607	606	544	648	675	657	713	707	513	484	450	463	452
Diesel	451	413	413	461	437	433	437	437	443	443	443	443	466
Renewable	88	90	80	80	81	74	86	82	80	70	80	70	29
Embedded	43	43	46	45	45	45	45	45	45	46	46	46	46
<b>System Load (MW)</b>	1,615	1,657	1,618	1,630	1,634	1,629	1,641	1,704	1,692	1,708	1,715	1,729	1,651
<b>Gross Reserve/Deficiency (MW)</b>	758	683	654	662	662	768	627	624	346	415	384	310	465
Req'd Regulating Reserve	65	66	65	65	65	65	66	68	68	68	69	69	66
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 2,064 MW to occur in November 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.

# MINDANAO GRID (Actual Data) 2018 2nd Quarter Reserve Profile

REVISION 3

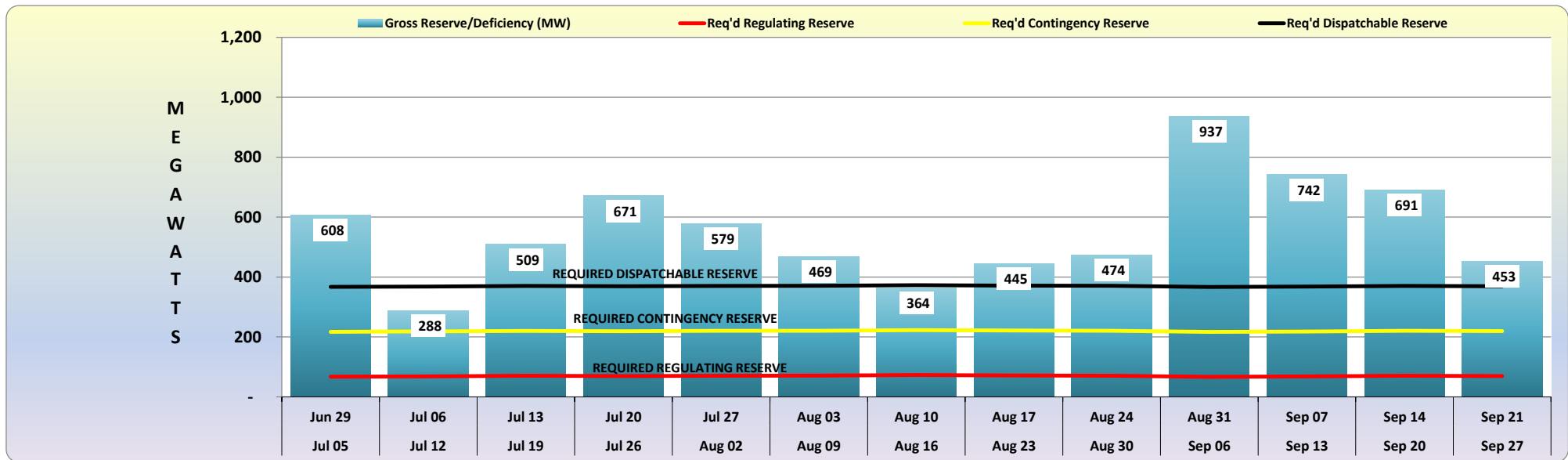


2018	2ND QUARTER												
	Mar 30	Apr 06	Apr 13	Apr 20	Apr 27	May 04	May 11	May 18	May 25	Jun 01	Jun 08	Jun 15	Jun 22
	Apr 05	Apr 12	Apr 19	Apr 26	May 03	May 10	May 17	May 24	May 31	Jun 07	Jun 14	Jun 21	Jun 28
<b>Available Capacity (MW)</b>	2,266	2,229	2,186	2,218	2,249	2,327	2,292	2,190	2,291	2,373	2,379	2,268	2,418
Coal	1,160	909	937	879	872	900	796	794	939	988	988	1,076	1,076
Geothermal	101	101	101	101	100	99	99	99	99	98	98	98	98
Hydro	464	548	505	635	671	642	712	589	578	604	599	598	735
Diesel	466	415	414	459	462	462	457	457	457	457	465	454	465
Renewable	29	31	29	32	24	31	28	31	18	26	29	28	30
Embedded	46	225	200	112	120	193	200	220	200	200	200	14	14
<b>System Load (MW)</b>	1,729	1,774	1,737	1,782	1,740	1,761	1,771	1,847	1,741	1,688	1,741	1,708	1,708
<b>Gross Reserve/Deficiency (MW)</b>	537	455	449	436	509	566	521	343	550	685	638	560	710
<b>Req'd Regulating Reserve</b>	69	71	69	71	70	70	71	74	70	68	70	68	68
<b>Req'd Contingency Reserve</b>	150	150	150	150	150	150	150	150	150	150	150	150	150
<b>Req'd Dispatchable Reserve</b>	150	150	150	150	150	150	150	150	150	150	150	150	150

1. Peak Demand Forecast at 2,064 MW to occur in November 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.

# MINDANAO GRID (Actual Data) 2018 3rd Quarter Reserve Profile

REVISION 3

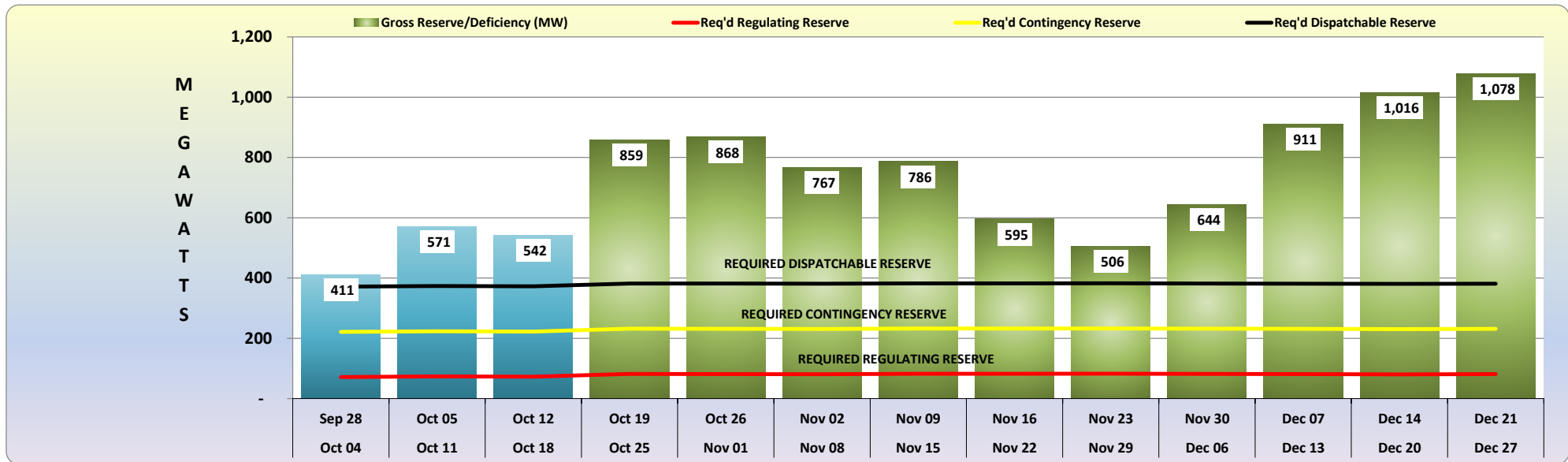


2018	3RD QUARTER													
	Jun 29	Jul 06	Jul 13	Jul 20	Jul 27	Aug 03	Aug 10	Aug 17	Aug 24	Aug 31	Sep 07	Sep 14	Sep 21	
	Jul 05	Jul 12	Jul 19	Jul 26	Aug 02	Aug 09	Aug 16	Aug 23	Aug 30	Sep 06	Sep 13	Sep 20	Sep 27	
<b>Available Capacity (MW)</b>	2,286	1,997	2,263	2,403	2,342	2,236	2,185	2,232	2,238	2,608	2,447	2,451	2,191	
Coal	1,073	997	1,011	1,036	1,036	899	981	1,017	1,017	1,346	1,220	1,229	1,066	
Geothermal	98	98	98	98	98	97	97	97	97	97	97	46	42	
Hydro	724	674	748	775	728	760	628	640	647	695	659	701	639	
Diesel	353	214	371	451	436	440	434	437	434	432	445	432	430	
Renewable	24	14	14	14	14	14	14	14	14	14	13	14	14	
Embedded	14	-	21	29	30	26	31	27	29	24	13	29	-	
<b>System Load (MW)</b>	1,678	1,709	1,754	1,732	1,763	1,767	1,821	1,787	1,764	1,671	1,705	1,760	1,738	
<b>Gross Reserve/Deficiency (MW)</b>	608	288	509	671	579	469	364	445	474	937	742	691	453	
<b>Req'd Regulating Reserve</b>	67	68	70	69	71	71	73	71	71	67	68	70	70	
<b>Req'd Contingency Reserve</b>	150	150	150	150	150	150	150	150	150	150	150	150	150	
<b>Req'd Dispatchable Reserve</b>	150	150	150	150	150	150	150	150	150	150	150	150	150	

1. Peak Demand Forecast at 2,064 MW to occur in November 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.

# MINDANAO GRID 2018 4th Quarter Reserve Profile

REVISION 3



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	
<b>Available Capacity (MW)</b>	2,195	2,405	2,355	2,906	2,906	2,791	2,846	2,652	2,570	2,688	2,942	3,026	3,109	
Coal	1,065	1,216	1,217	1,363	1,363	1,363	1,363	1,133	1,001	1,101	1,331	1,463	1,463	
Geothermal	41	93	93	101	101	101	101	101	101	101	101	101	101	
Hydro	639	624	603	561	561	446	511	547	587	587	611	611	646	
Diesel	436	428	428	479	479	479	469	469	479	479	479	431	479	
Renewable	14	14	14	187	187	187	187	187	187	205	205	205	205	
Embedded	-	30	-	215	215	215	215	215	215	215	215	215	215	
<b>System Load (MW)</b>	1,784	1,834	1,813	2,047	2,037	2,024	2,059	2,057	2,064	2,045	2,031	2,010	2,031	
<b>Gross Reserve/Deficiency (MW)</b>	411	571	542	859	868	767	786	595	506	644	911	1,016	1,078	
<b>Req'd Regulating Reserve</b>	71	73	73	82	81	81	82	82	83	82	81	80	81	
<b>Req'd Contingency Reserve</b>	150	150	150	150	150	150	150	150	150	150	150	150	150	
<b>Req'd Dispatchable Reserve</b>	150	150	150	150	150	150	150	150	150	150	150	150	150	

1. Peak Demand Forecast at 2,064 MW to occur in November 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.