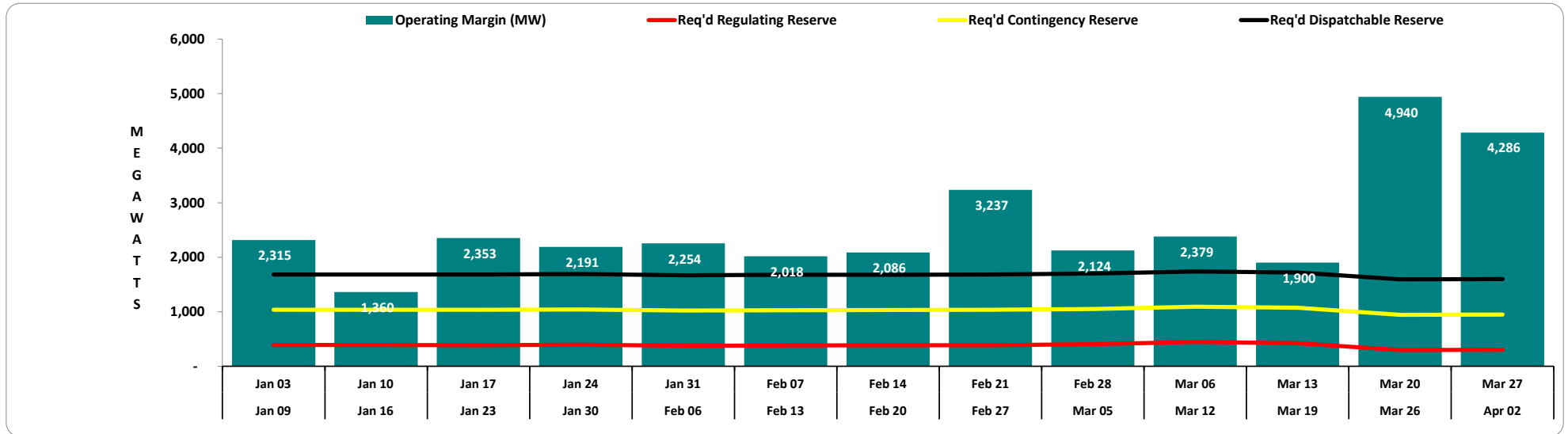


LUZON GRID

2020 1st Quarter Reserve Profile (Actual Data as of Sept 30, 2020)

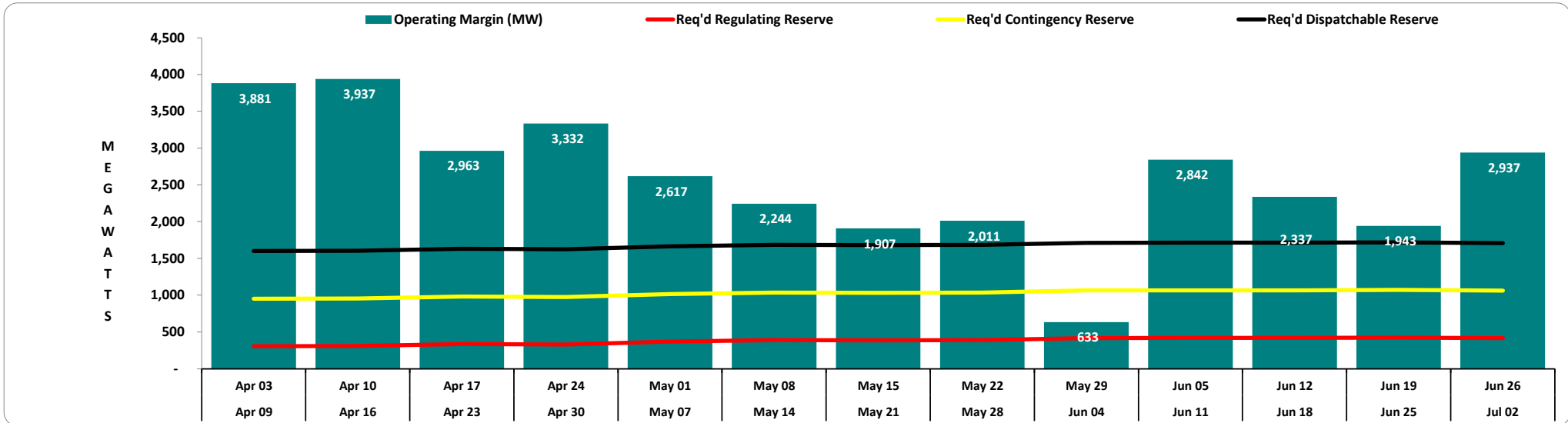


2020	1ST QUARTER													
	Jan 03	Jan 10	Jan 17	Jan 24	Jan 31	Feb 07	Feb 14	Feb 21	Feb 28	Mar 06	Mar 13	Mar 20	Mar 27	
	Jan 09	Jan 16	Jan 23	Jan 30	Feb 06	Feb 13	Feb 20	Feb 27	Mar 05	Mar 12	Mar 19	Mar 26	Apr 02	
Available Capacity (MW)	12,028	11,065	12,040	12,080	11,630	11,560	11,737	12,932	12,260	13,482	12,522	12,374	11,857	
Thermal	-	130	130	-	-	-	-	-	-	-	-	-	-	
Coal	4,984	5,376	5,230	4,768	4,659	4,660	4,913	5,854	5,771	6,211	5,784	5,526	5,043	
Gas Turbine/Diesel	569	564	544	541	462	580	596	579	588	601	601	601	579	
Combined Cycle/NatGas	3,217	2,738	3,371	3,701	3,609	3,786	3,725	3,820	3,395	3,817	3,816	3,815	3,815	
Geothermal	466	325	667	599	554	653	474	472	470	646	643	490	446	
BESS	10	10	10	10	10	10	10	10	10	10	10	10	10	
Wind Farm	271	54	54	18	107	13	58	281	269	25	10	30	192	
Biomass	71	67	71	67	88	88	90	84	65	61	52	64	89	
Solar	167	132	101	221	161	169	189	224	244	239	218	162	-	
Hydro	2,273	1,669	1,862	2,155	1,980	1,601	1,682	1,608	1,448	1,872	1,388	1,676	1,683	
System Load (MW)	9,713	9,705	9,687	9,889	9,376	9,542	9,651	9,695	10,136	11,103	10,622	7,434	7,571	
Operating Margin (MW)	2,315	1,360	2,353	2,191	2,254	2,018	2,086	3,237	2,124	2,379	1,900	4,940	4,286	
Req'd Regulating Reserve	389	388	387	396	375	382	386	388	405	444	425	297	303	
Req'd Contingency Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	
Req'd Dispatchable Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	

1. Luzon running system peak demand for 2020 is 11,103MW which occurred on March 9, 2020 at 1411h.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

LUZON GRID

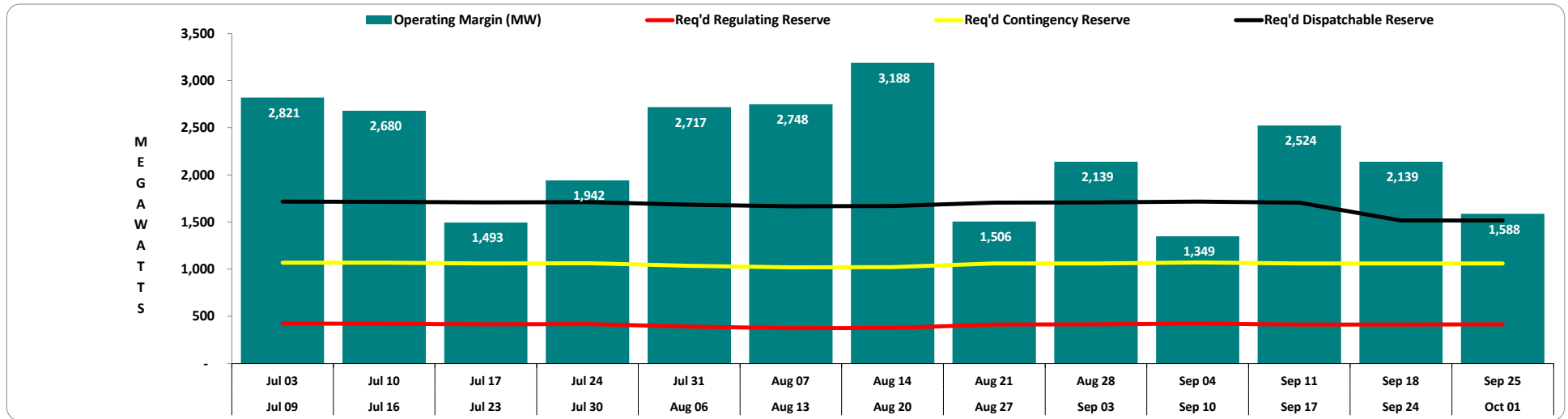
2020 2nd Quarter Reserve Profile (Actual Data as of Sept 30, 2020)



2020	2ND QUARTER													
	Apr 03	Apr 10	Apr 17	Apr 24	May 01	May 08	May 15	May 22	May 29	Jun 05	Jun 12	Jun 19	Jun 26	
	Apr 09	Apr 16	Apr 23	Apr 30	May 07	May 14	May 21	May 28	Jun 04	Jun 11	Jun 18	Jun 25	Jul 02	
Available Capacity (MW)	11,561	11,661	11,340	11,533	11,853	11,973	11,546	11,735	11,059	13,326	12,809	12,585	13,302	
Thermal	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coal	4,843	4,657	4,558	5,199	5,121	5,279	4,725	5,077	4,408	6,259	6,465	6,147	6,271	
Gas Turbine/Diesel	601	552	601	601	601	601	601	613	607	613	613	613	613	
Combined Cycle/NatGas	3,813	3,816	3,610	3,093	3,798	3,802	3,798	3,635	3,231	3,545	3,280	3,265	3,804	
Geothermal	468	468	446	462	547	400	589	609	752	445	649	739	752	
HVDC	10	10	10	10	10	10	10	10	10	10	10	10	10	
Wind Farm	48	151	107	227	20	151	90	43	1	85	30	30	21	
Biomass	98	93	94	107	106	101	83	70	72	99	103	85	87	
Solar	-	205	155	177	132	170	97	147	213	188	207	201	244	
Hydro	1,680	1,709	1,759	1,657	1,518	1,459	1,553	1,531	1,765	2,082	1,452	1,495	1,500	
System Load (MW)	7,680	7,724	8,377	8,201	9,236	9,729	9,639	9,724	10,426	10,484	10,472	10,642	10,365	
Operating Margin (MW)	3,881	3,937	2,963	3,332	2,617	2,244	1,907	2,011	633	2,842	2,337	1,943	2,937	
Req'd Regulating Reserve	307	309	335	328	369	389	386	389	417	419	419	426	415	
Req'd Contingency Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	
Req'd Dispatchable Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	

1. Luzon running system peak demand for 2020 is 11,103MW which occurred on March 9, 2020 at 1411h.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

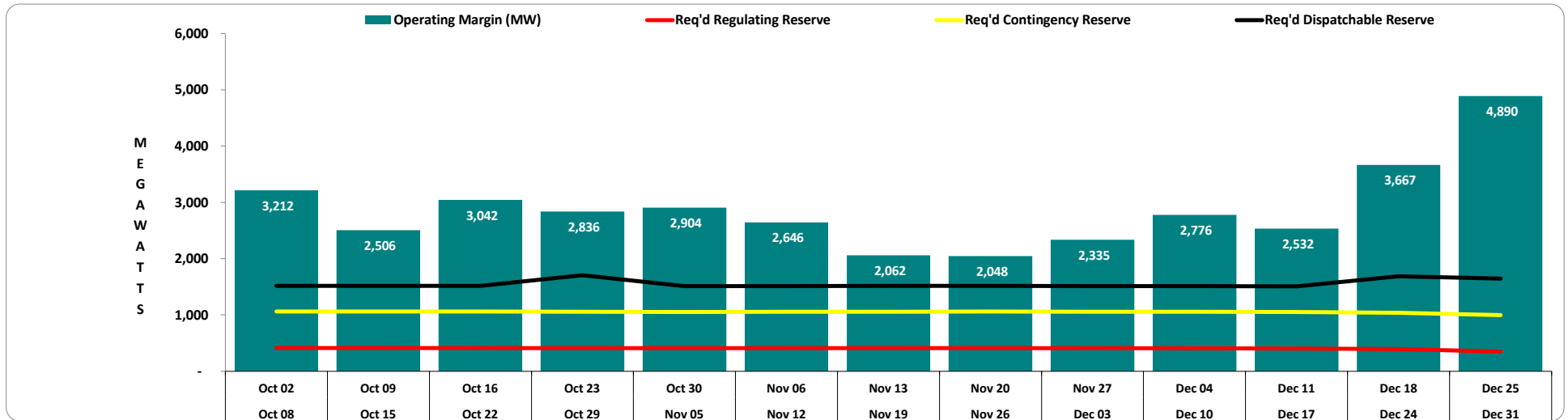
LUZON GRID 2020 3rd Quarter Reserve Profile (Actual Data as of Sept 30, 2020)



2020	3RD QUARTER													
	Jul 03	Jul 10	Jul 17	Jul 24	Jul 31	Aug 07	Aug 14	Aug 21	Aug 28	Sep 04	Sep 11	Sep 18	Sep 25	
	Jul 09	Jul 16	Jul 23	Jul 30	Aug 06	Aug 13	Aug 20	Aug 27	Sep 03	Sep 10	Sep 17	Sep 24	Oct 01	
Available Capacity (MW)	13,416	13,178	11,841	12,364	12,454	12,090	12,573	11,798	12,487	11,919	12,829	12,467	11,932	
Thermal	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coal	6,160	6,033	5,617	5,627	5,485	5,118	5,521	4,740	5,726	5,551	6,352	5,914	5,868	
Gas Turbine/Diesel	613	613	615	615	613	613	613	579	615	603	603	620	620	
Combined Cycle/NatGas	3,818	3,818	3,304	3,719	3,719	3,724	3,723	3,611	3,533	3,046	3,056	3,022	3,006	
Geothermal	740	627	467	595	650	603	616	609	435	542	551	536	460	
HVDC	10	10	10	10	10	10	10	10	10	10	10	10	10	
Wind Farm	9	27	20	2	18	3	7	100	42	-	3	162	1	
Biomass	84	93	87	93	94	92	90	91	96	88	89	86	81	
Solar	219	184	174	209	213	147	170	124	182	241	235	231	148	
Hydro	1,763	1,773	1,547	1,494	1,652	1,780	1,823	1,934	1,848	1,838	1,930	1,886	1,738	
System Load (MW)	10,595	10,498	10,348	10,422	9,737	9,342	9,385	10,292	10,348	10,570	10,305	10,328	10,344	
Operating Margin (MW)	2,821	2,680	1,493	1,942	2,717	2,748	3,188	1,506	2,139	1,349	2,524	2,139	1,588	
Req'd Regulating Reserve	424	420	414	417	389	374	375	412	414	423	412	413	414	
Req'd Contingency Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	
Req'd Dispatchable Reserve	647	647	647	647	647	647	647	647	647	647	647	456	456	

1. Luzon running system peak demand for 2020 is 11,103MW which occurred on March 9, 2020 at 1411h.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

LUZON GRID 2020 4th Quarter Reserve Profile (Actual Data as of Sept 30, 2020)



2020	4TH QUARTER													
	Oct 02	Oct 09	Oct 16	Oct 23	Oct 30	Nov 06	Nov 13	Nov 20	Nov 27	Dec 04	Dec 11	Dec 18	Dec 25	
	Oct 08	Oct 15	Oct 22	Oct 29	Nov 05	Nov 12	Nov 19	Nov 26	Dec 03	Dec 10	Dec 17	Dec 24	Dec 31	
Available Capacity (MW)	13,627	12,836	13,417	13,126	13,095	12,886	12,365	12,387	12,589	13,016	12,687	13,517	13,686	
Thermal	-	-	-	-	-	-	-	-	-	-	-	-	-	
Coal	6,479	5,832	5,832	5,696	6,001	6,001	6,001	5,904	6,307	5,972	5,310	6,049	5,834	
Gas Turbine/Diesel	486	415	556	578	578	578	578	578	572	572	572	578	578	
Combined Cycle/NatGas	3,454	3,454	3,800	3,710	3,535	3,448	2,840	2,930	2,810	3,260	3,470	3,470	3,890	
Geothermal	820	817	780	683	798	812	706	790	838	842	809	866	866	
HVDC	10	10	10	10	10	10	10	10	10	10	10	10	10	
Wind Farm	120	51	134	146	180	182	215	174	231	232	215	214	204	
Biomass	66	66	66	66	66	66	48	55	55	73	73	73	73	
Solar	95	94	124	112	82	124	122	129	129	110	103	132	106	
Hydro	2,097	2,097	2,115	2,125	1,845	1,665	1,845	1,817	1,637	1,945	2,125	2,125	2,125	
System Load (MW)	10,415	10,330	10,375	10,290	10,191	10,240	10,303	10,339	10,254	10,240	10,155	9,850	8,796	
Operating Margin (MW)	3,212	2,506	3,042	2,836	2,904	2,646	2,062	2,048	2,335	2,776	2,532	3,667	4,890	
Req'd Regulating Reserve	417	413	415	412	408	410	412	414	410	410	406	394	352	
Req'd Contingency Reserve	647	647	647	647	647	647	647	647	647	647	647	647	647	
Req'd Dispatchable Reserve	456	456	456	647	456	456	456	456	456	456	456	647	647	

1. Luzon running system peak demand for 2020 is 11,103MW which occurred on March 9, 2020 at 1411h.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.