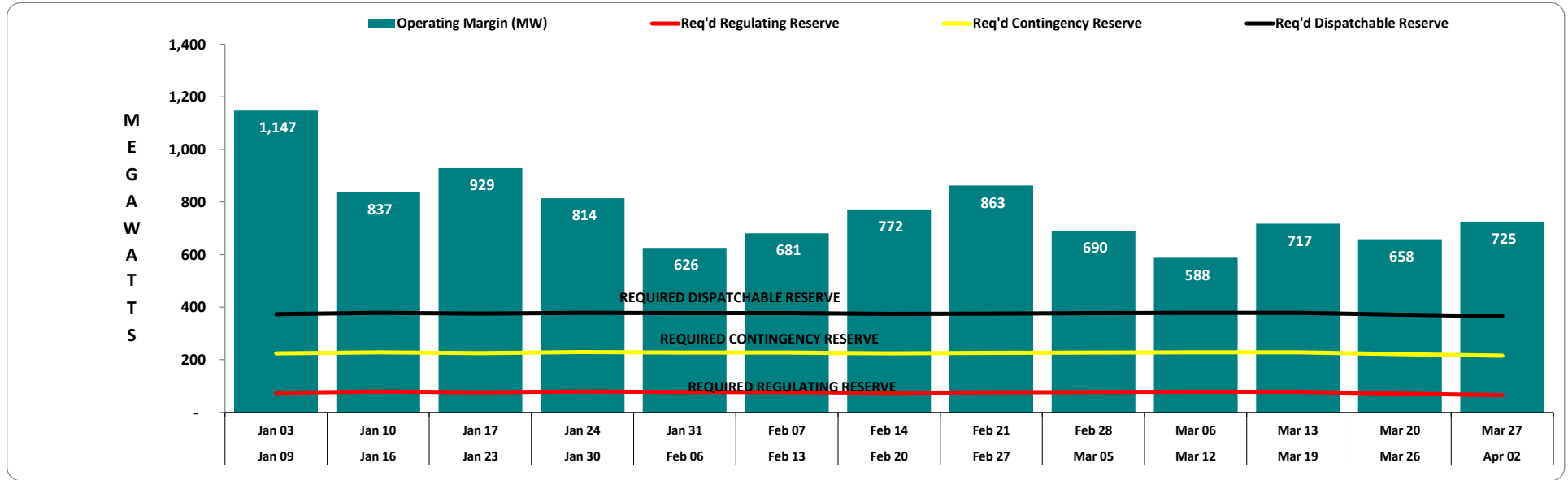


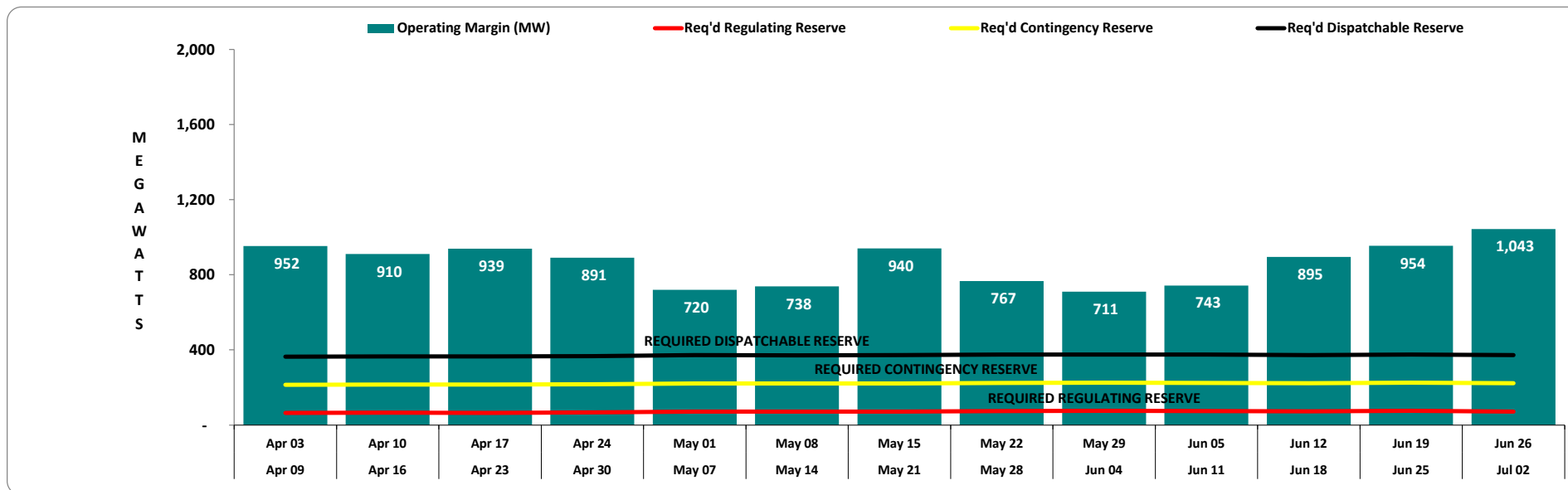
MINDANAO GRID 2020 1st Quarter Reserve Profile (Actual Data as of Sept 30, 2020)



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)	2,990	2,797	2,815	2,792	2,554	2,606	2,630	2,754	2,615	2,541	2,670	2,433	2,369	
Coal	1,499	1,360	1,360	1,364	1,234	1,234	1,235	1,369	1,271	1,235	1,370	1,132	1,097	
Geothermal	81	81	81	80	74	75	74	74	74	74	72	67	82	
Hydro	516	424	443	427	313	356	385	373	341	358	350	290	278	
Diesel	382	382	382	382	372	382	382	382	382	382	382	382	358	
Renewable	14	32	33	31	32	30	32	36	30	37	38	36	31	
Embedded	499	519	517	508	530	529	523	521	518	456	460	527	524	
System Load (MW)	1,843	1,960	1,886	1,978	1,929	1,925	1,858	1,891	1,925	1,953	1,953	1,775	1,644	
Operating Margin (MW)	1,147	837	929	814	626	681	772	863	690	588	717	658	725	
Req'd Regulating Reserve	74	78	75	79	77	77	74	76	77	78	78	71	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. Mindanao running system peak demand for 2020 is 1,978MW which occurred on January 28, 2020 at 1400h.
2. Preventive Maintenance of Power Plants considered.
3. Embedded Generators considered.

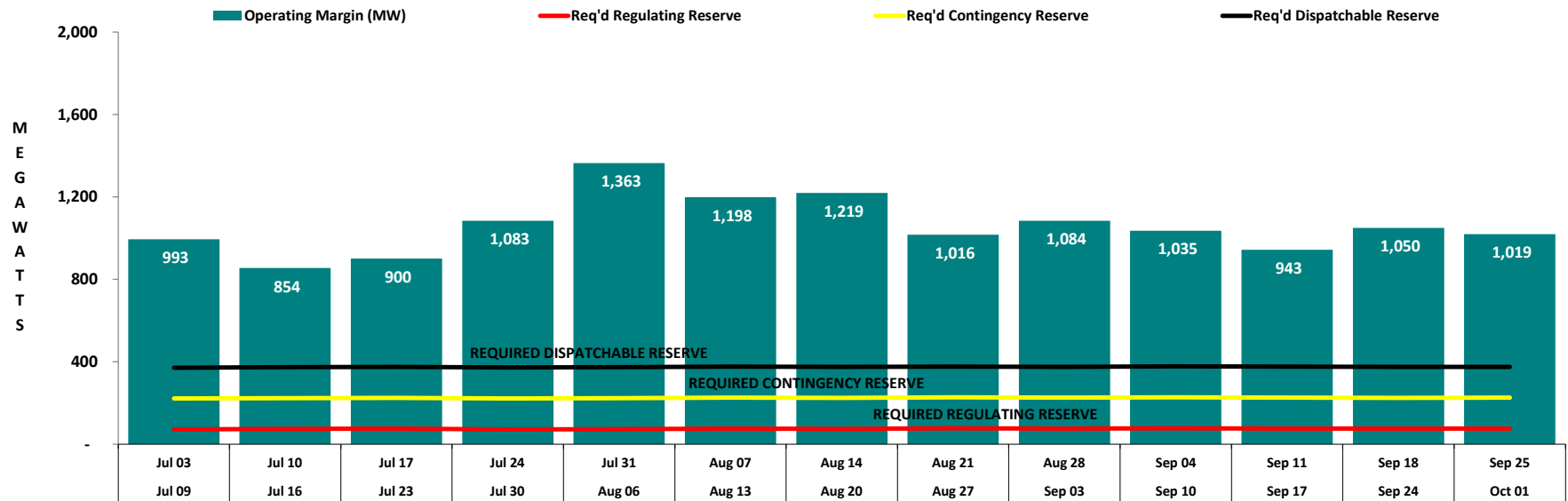
MINDANAO GRID 2020 2nd Quarter Reserve Profile (Actual Data as of Sept 30, 2020)



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)	2,567	2,550	2,569	2,564	2,515	2,524	2,738	2,637	2,600	2,609	2,721	2,862	2,849	
Coal	1,235	1,235	1,235	1,235	1,232	1,232	1,365	1,233	1,233	1,233	1,232	1,358	1,368	
Geothermal	82	82	82	82	81	81	81	81	79	80	80	80	80	
Hydro	304	299	306	304	264	281	357	384	346	348	481	495	461	
Diesel	382	382	382	382	382	382	382	382	382	382	382	382	382	
Renewable	36	31	35	33	33	27	27	32	30	33	19	22	26	
Embedded	530	522	530	530	524	523	526	527	529	533	528	526	533	
System Load (MW)	1,615	1,640	1,630	1,673	1,795	1,786	1,798	1,870	1,889	1,866	1,826	1,908	1,806	
Operating Margin (MW)	952	910	939	891	720	738	940	767	711	743	895	954	1,043	
Req'd Regulating Reserve	65	66	65	67	72	71	72	75	76	75	73	76	72	
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	

- Mindanao running system peak demand for 2020 is 1,978MW which occurred on January 28, 2020 at 1400h.
- Preventive Maintenance of Power Plants considered.
- Embedded Generators considered.

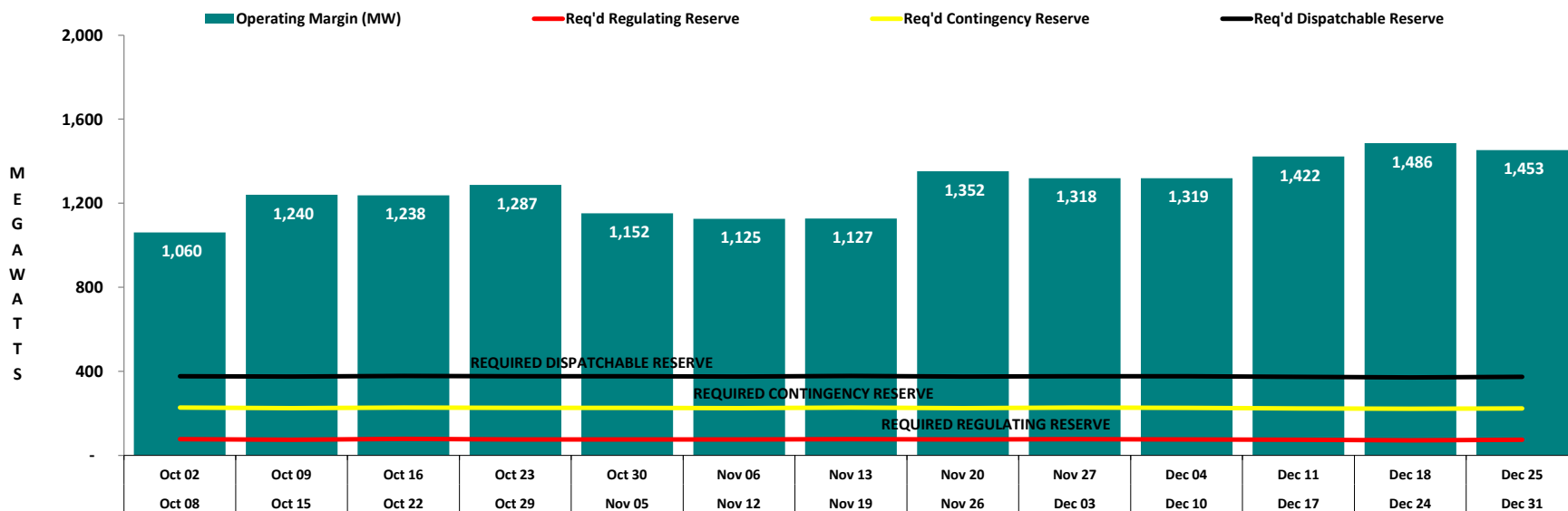
MINDANAO GRID 2020 3rd Quarter Reserve Profile (Actual Data as of Sept 30, 2020)



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)	2,780	2,692	2,767	2,880	3,190	3,087	3,075	2,932	2,966	2,979	2,833	2,922	2,895	
Coal	1,258	1,155	1,158	1,258	1,493	1,358	1,355	1,264	1,269	1,302	1,163	1,269	1,269	
Geothermal	77	80	85	85	85	82	82	82	82	80	81	81	86	
Hydro	509	570	582	614	685	715	709	647	671	666	661	651	694	
Diesel	382	382	382	382	382	382	382	382	382	382	372	372	382	
Renewable	25	26	25	10	10	12	10	27	26	26	21	19	26	
Embedded	530	480	537	532	536	539	538	530	537	524	536	531	438	
System Load (MW)	1,787	1,838	1,867	1,797	1,827	1,889	1,856	1,916	1,882	1,944	1,890	1,872	1,876	
Operating Margin (MW)	993	854	900	1,083	1,363	1,198	1,219	1,016	1,084	1,035	943	1,050	1,019	
Req'd Regulating Reserve	71	74	75	72	73	76	74	77	75	78	76	75	75	
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	

- Mindanao running system peak demand for 2020 is 1,978MW which occurred on January 28, 2020 at 1400h.
- Preventive Maintenance of Power Plants considered.
- Embedded Generators considered.

MINDANAO 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)	2,981	3,104	3,182	3,182	3,047	2,997	3,072	3,222	3,237	3,217	3,262	3,278	3,293	
Coal	1,814	1,938	2,043	2,043	1,893	1,843	1,893	2,043	1,993	1,993	2,043	2,043	2,043	
Geothermal	98	98	98	98	98	98	98	98	98	98	98	98	98	
Hydro	330	330	303	303	318	318	343	343	383	363	348	368	383	
Diesel	357	357	357	357	357	357	357	357	357	357	367	363	363	
Renewable	166	166	166	166	166	166	166	166	191	191	191	191	191	
Embedded	216	216	216	216	216	216	216	216	216	216	216	216	216	
System Load (MW)	1,920	1,864	1,944	1,895	1,895	1,872	1,945	1,870	1,919	1,898	1,840	1,792	1,840	
Operating Margin (MW)	1,060	1,240	1,238	1,287	1,152	1,125	1,127	1,352	1,318	1,319	1,422	1,486	1,453	
Req'd Regulating Reserve	77	75	78	76	76	75	78	75	77	76	74	72	74	
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	

- Mindanao running system peak demand for 2020 is 1,978MW which occurred on January 28, 2020 at 1400h.
- Preventive Maintenance of Power Plants considered.
- Embedded Generators considered.