

Daily Trading Report

21 March 2019



Figure 1: Forecasted Demand vs USEP

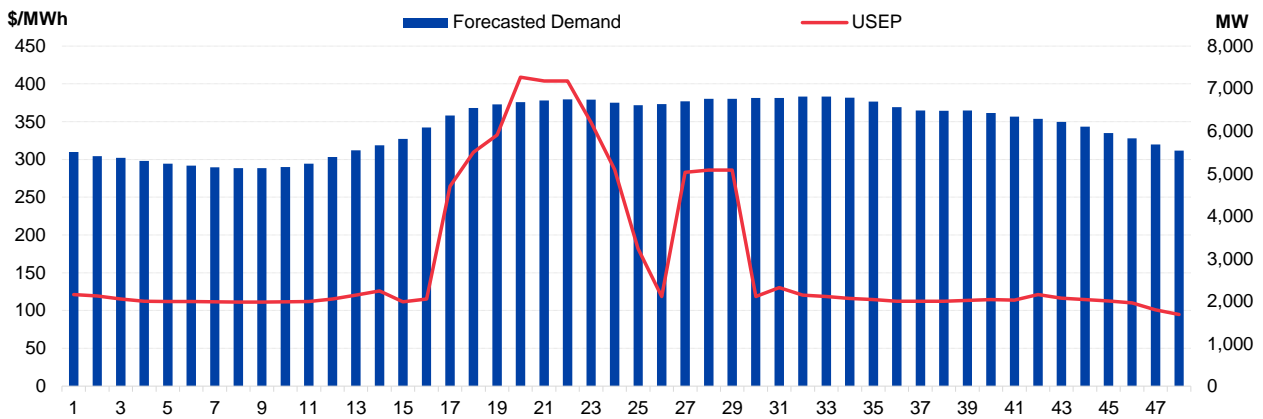


Figure 2: Periodic Ancillary Prices

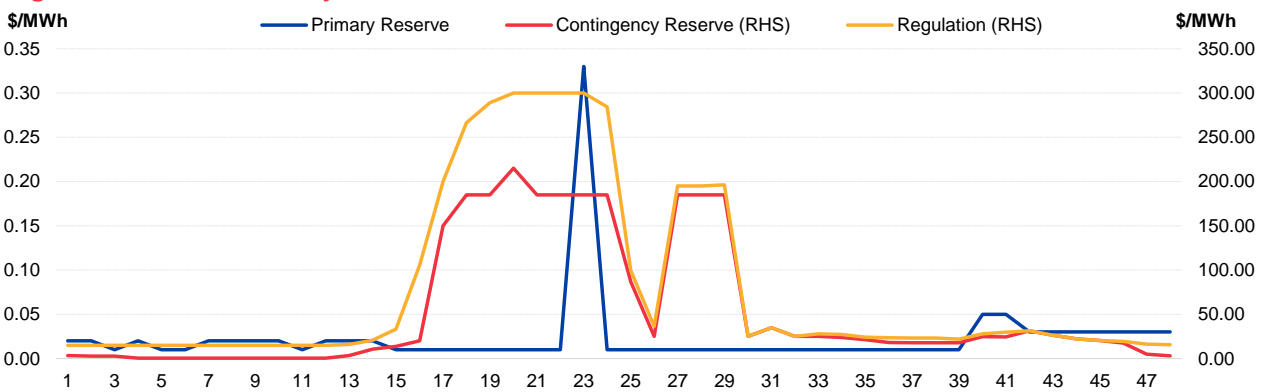


Figure 3: Daily Data Comparison

	Forecasted Demand (MW)	Total Supply (MW)	Energy Price (\$/MWh)
Weekday Ranking*	98 out of 4077	1102 out of 4077	1035 out of 4077
Daily Average	6,124	7,831	164.98
Previous day	6,164	8,100	165.76
Change (%)	-0.7%	-3.3%	-0.5%
Daily Max	6,813	8,209	408.83
Previous day	6,841	8,520	453.72
Change (%)	-0.4%	-3.7%	-9.9%
Daily Min	5,126	7,415	94.83
Previous day	5,125	7,441	99.93
Change (%)	0.0%	-0.3%	-5.1%

	Primary Reserve Price (\$/MWh)	Contingency Reserve Price (\$/MWh)	Regulation Price (\$/MWh)
Daily Average	0.02	54.28	78.81
Previous day	0.05	51.51	60.46
Change (%)	-60.0%	5.4%	30.4%
Daily Max	0.33	215.08	300.00
Previous day	0.33	185.00	215.00
Change (%)	0.0%	16.3%	39.5%
Daily Min	0.01	0.50	15.00
Previous day	0.01	0.05	10.50
Change (%)	0.0%	900.0%	42.9%

*Ranking denotes the relative position of the market parameter since 1 Jan 2003.

Figure 4: Seven Days of Daily USEP vs Daily Forecasted Demand

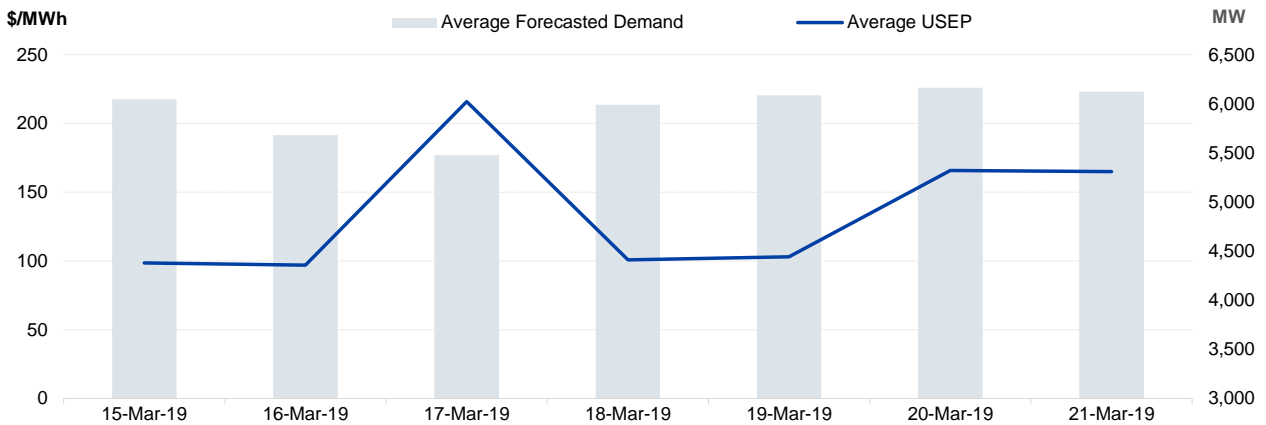


Figure 8: Seven Days USEP Average-Max-Min

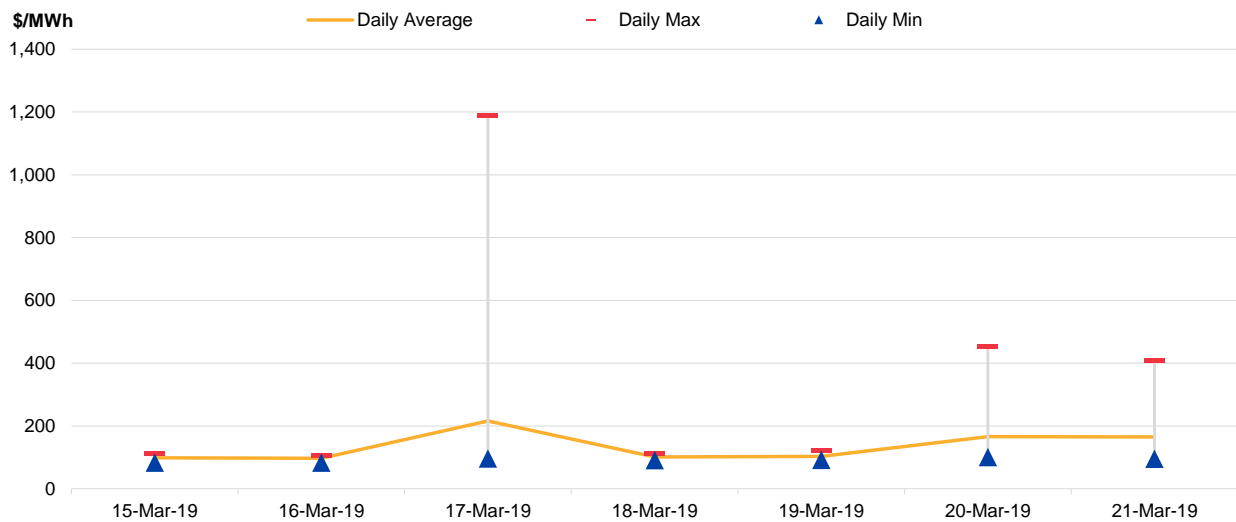


Figure 6: Seven Days Forecasted Demand Average-Max-Min

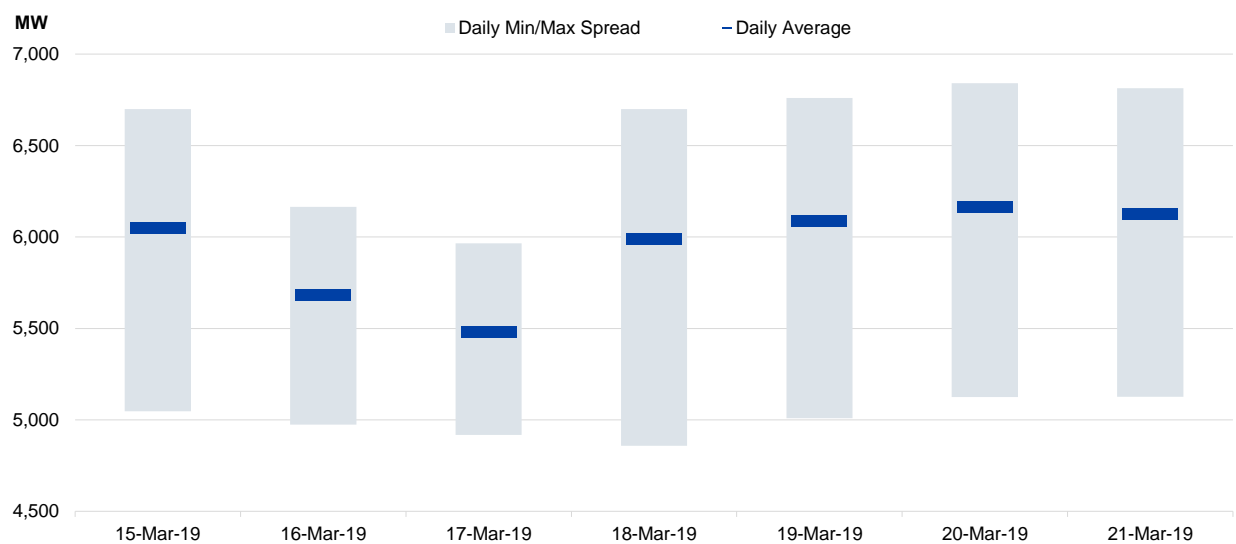


Figure 7: Daily Generation Plant Utilization Rate

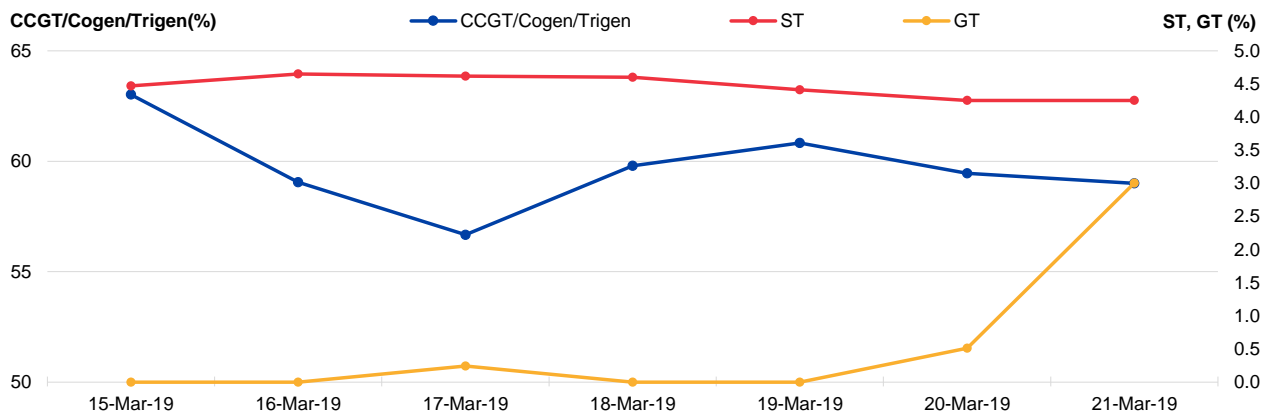


Figure 8: Daily Trading Data Table

	Fri 15-Mar-19	Sat 16-Mar-19	Sun 17-Mar-19	Mon 18-Mar-19	Tue 19-Mar-19	Wed 20-Mar-19	Thu 21-Mar-19
Forecasted Demand (MW)							
Daily Average	6,048	5,682	5,478	5,990	6,087	6,164	6,124
Daily Maximum	6,699	6,165	5,966	6,699	6,760	6,841	6,813
Daily Minimum	5,048	4,975	4,917	4,858	5,010	5,125	5,126
Total Supply (MW)							
Daily Average	8,348	8,078	7,059	8,114	8,300	8,100	7,831
Daily Maximum	8,604	8,276	7,290	8,538	8,538	8,520	8,209
Daily Minimum	8,039	7,605	7,043	7,133	8,012	7,441	7,415
Energy Price (\$/MWh)							
Daily Average	98.49	96.96	215.89	100.86	102.99	165.76	164.98
Daily Maximum	110.80	106.03	1187.31	111.13	121.25	453.72	408.83
Daily Minimum	82.22	82.46	95.65	90.69	91.10	99.93	94.83
Reserve & Regulation Prices (\$/MWh)							
Primary	0.02	0.03	0.46	0.04	0.02	0.05	0.02
Contingency	4.98	3.69	110.81	2.92	3.47	51.51	54.28
Regulation	13.84	14.34	107.80	14.12	15.01	60.46	78.81
Reserve & Regulation Requirement (MW)							
Primary	167	180	202	186	171	173	177
Contingency	602	607	614	606	597	618	615
Regulation	125	125	125	125	125	125	125
Generation (MW)							
CCGT/Cogen/Trigen	5,951	5,577	5,372	5,889	5,991	6,073	6,027
ST	128	133	132	132	126	122	122
GT	0	0	1	0	0	1	8

Periodic Trading Data

Figure 9: Periodic Trading Data Table

Period	USEP (\$/MWh)	Forecasted Demand (MW)	CCGT/Cogen/Trigen Generation (MW)	ST Generation (MW)	GT Generation (MW)
1	\$121.09	5,512	5,417	122	0
2	\$119.37	5,408	5,313	122	0
3	\$115.24	5,371	5,275	122	0
4	\$112.48	5,301	5,204	122	0
5	\$112.04	5,235	5,137	122	0
6	\$112.02	5,190	5,091	122	0
7	\$111.49	5,149	5,051	122	0
8	\$111.26	5,126	5,027	122	0
9	\$111.26	5,128	5,029	122	0
10	\$111.46	5,152	5,053	122	0
11	\$112.02	5,236	5,138	122	0
12	\$115.22	5,388	5,291	122	0
13	\$120.45	5,549	5,454	122	0
14	\$126.10	5,668	5,574	122	0
15	\$111.60	5,814	5,721	122	0
16	\$115.33	6,084	5,994	122	0
17	\$264.64	6,367	6,280	122	0
18	\$309.33	6,547	6,461	122	0
19	\$332.30	6,628	6,512	122	30
20	\$408.83	6,685	6,531	122	68
21	\$403.73	6,718	6,517	122	116
22	\$403.83	6,744	6,533	122	127
23	\$348.46	6,739	6,625	122	30
24	\$286.70	6,666	6,581	122	0
25	\$182.15	6,611	6,526	122	0
26	\$118.71	6,634	6,548	122	0
27	\$282.79	6,704	6,619	122	0
28	\$285.80	6,760	6,677	122	0
29	\$285.78	6,760	6,676	122	0
30	\$118.63	6,781	6,698	122	0
31	\$130.32	6,782	6,699	122	0
32	\$120.52	6,813	6,730	122	0
33	\$118.62	6,809	6,726	122	0
34	\$116.20	6,783	6,700	122	0
35	\$114.45	6,697	6,613	122	0
36	\$112.21	6,565	6,479	122	0
37	\$112.21	6,486	6,400	122	0
38	\$112.19	6,480	6,393	122	0
39	\$113.39	6,486	6,400	122	0
40	\$114.43	6,428	6,341	122	0
41	\$113.85	6,344	6,256	122	0
42	\$121.21	6,290	6,203	122	0
43	\$116.21	6,215	6,128	122	0
44	\$114.60	6,108	6,019	122	0
45	\$112.61	5,957	5,866	122	0
46	\$110.05	5,832	5,740	122	0
47	\$100.87	5,684	5,590	122	0
48	\$94.83	5,541	5,447	122	0

Disclaimer

This Report is prepared and provided for general information purposes only. Information in this Report was obtained or derived from sources that the Energy Market Company Pte Ltd (EMC) considers reliable. All reasonable care has been taken to ensure that stated facts are accurate and opinions fair and reasonable at time of printing. EMC does not represent that information in this Report is accurate or complete and it should not be relied upon as such. In particular, in presentation of charts, certain assumptions were made which may not be stated therein. As such, EMC assumes no fiduciary responsibility or liability for any construction or interpretation you may take based on the information contained nor for any consequences, financial or otherwise, from transactions where information in this Report may be relied upon. You should make your own appraisal and should consult, to the extent necessary, your own professional advisors to ensure that any decision made based on the information in this Report is suitable for your circumstances.

If you have any specific queries about this Report or its contents, you should contact us at marketoperations-B@emcsg.com.