

# MSCP Market Watch

Second Quarter (Apr-Jun) 2017

Issue 44

Table 1: Indicators of Market Performance

	2016	2017	
	Q2	Q1	Q2
<b>Price Indicators</b>			
<i>Energy (\$/MWh)</i>			
- USEP	49.42	81.91	83.10
- WEP	49.90	82.13	83.42
- Allocated Vesting Price	111.86	134.93	145.32
- LNG Vesting Price	118.53	137.66	148.04
- Balance Vesting Price	100.01	128.05	138.48
<i>Ancillary Services (\$/MWh)</i>			
- Primary Reserve	0.26	0.43	0.22
- Secondary Reserve	0.26	0.71	0.86
- Contingency Reserve	3.64	8.49	8.73
- Regulation	6.83	9.12	12.07
HSFO Spot (US\$/barrel)	36.14	54.34	52.46
<b>Demand Indicators</b>			
<i>Forecast Demand (MW)</i>			
- Average	5,773	5,596	5,762
- Peak	6,846	6,754	6,945
<i>Metered Energy (MW)</i>			
- Average	5,652	5,505	5,688
- Peak	6,766	6,717	6,903
<b>Supply Indicators</b>			
Average Supply (MW)	8,328	8,048	7,997
Supply Cushion (%)	30.67	30.46	27.95
<i>Capacity Ratio (%)</i>			
- CCGT	61.58	64.71	66.37
- OCGT	0.11	0.01	0.03
- OT	48.86	47.35	48.70
- ST	0.16	0.11	0.12
<i>Total Outages (MWh Cumulative)</i>			
- Planned	2,012,188	2,076,212	2,319,796
- Forced	17,299	9,033	30,067
Offers made at or below \$100/MWh (%)	75.87	74.27	76.93

## Market Performance

The Uniform Singapore Energy Price (USEP) increased 1.46 percent from \$81.91/MWh in Q1 2017 to \$83.10/MWh in Q2 2017. The Wholesale Electricity Price (WEP) also increased 1.57 percent from \$82.13/MWh in Q1 2017 to \$83.42/MWh in Q2 2017.

All vesting prices increased in Q2 2017. The Balance Vesting Price showed the largest change; it increased 8.15 percent to \$138.48/MWh in Q2 2017.

Prices of all ancillary services, except for that of primary reserve, rose this quarter. The largest price increase was observed in regulation – it increased 32.33 percent to \$12.07/MWh. Primary reserve price decreased 47.97 percent to \$0.22/MWh.

The High Sulphur Fuel Oil (HSFO) spot price fell 3.45 percent from US\$54.34/barrel in Q1 2017 to US\$52.46/barrel in Q2 2017.

Demand picked up 2.96 percent to 5,762 MW while supply slipped 0.63 percent to 7,997 MW. The supply cushion, which measures supply adequacy, declined 2.50 percentage points from 30.46 percent in Q1 2017 to 27.95 percent in Q2 2017.

In Q2 2017, capacity ratios of all generation types increased. The capacity ratio of CCGT rose 1.66 percentage points.

There was a rise of 11.73 percent in the planned outage volume to 2,319,796MWh in Q2 2017. Forced outage volume tripled to 30,067MWh this quarter.

Overall, the percentage of offers made at or below \$100/MWh increased 2.66 percentage points to 76.93 percent in Q2 2017.

The Market Surveillance and Compliance Panel (“MSCP”) issued a rule breach determination on 5 May 2017 against Senoko Energy Pte Ltd for its failure to comply with gate closure rules on 23 January 2017.

# Supply Indicators

Chart 1: Capacity Ratio of Generation Plants

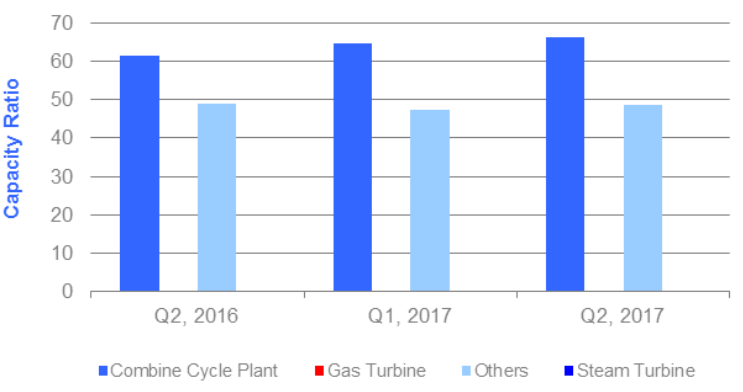


Chart 2: Relationship between USEP and Energy Supply Cushion - Q2 2017

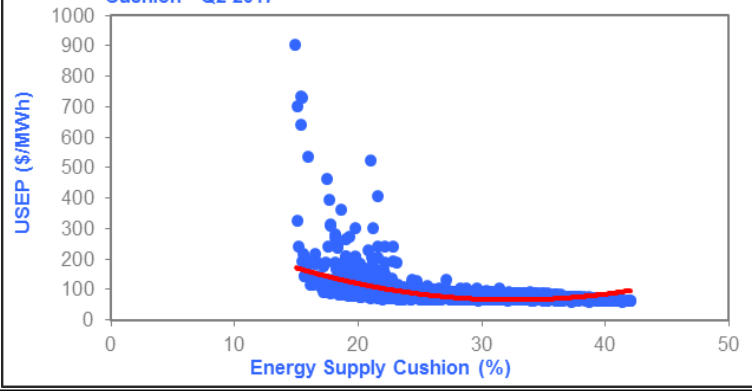


Chart 3: Comparison of Average Market Share by Generation Company Q2 2017

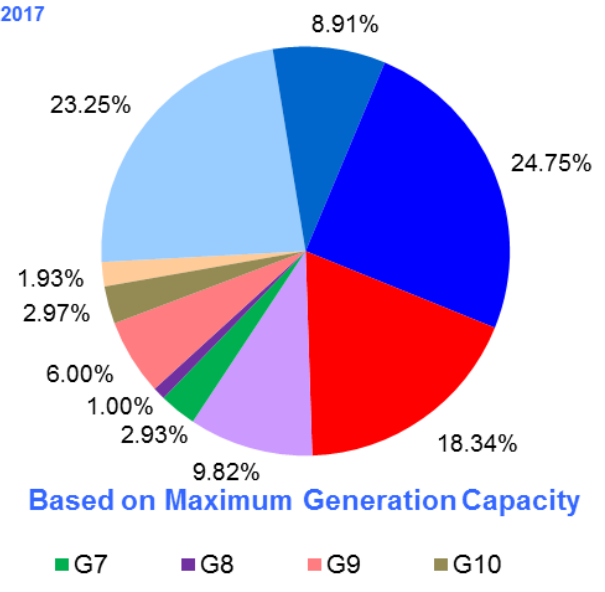
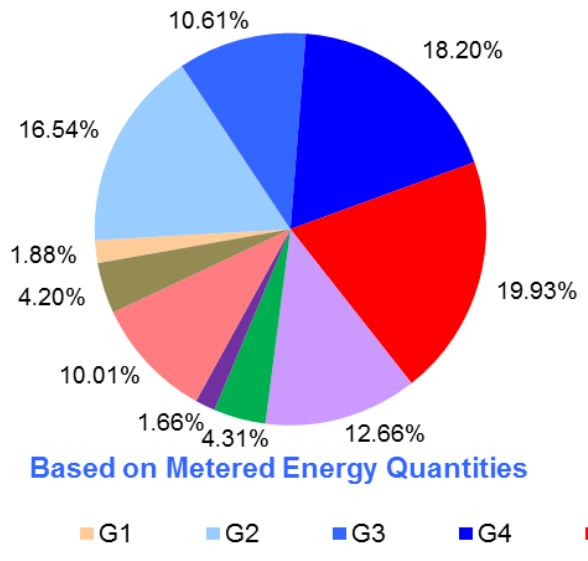
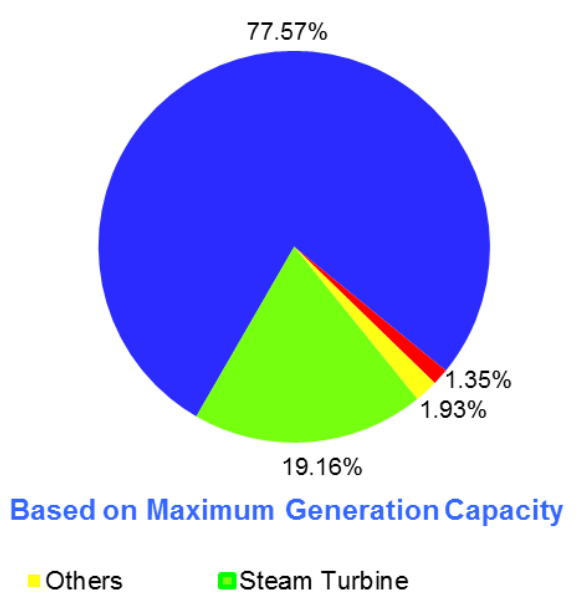
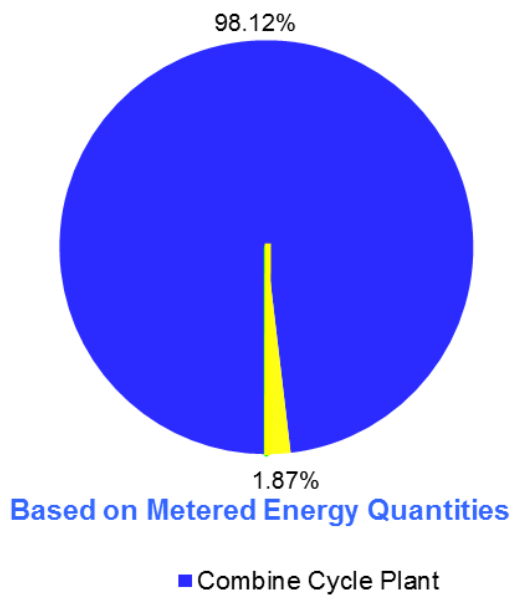
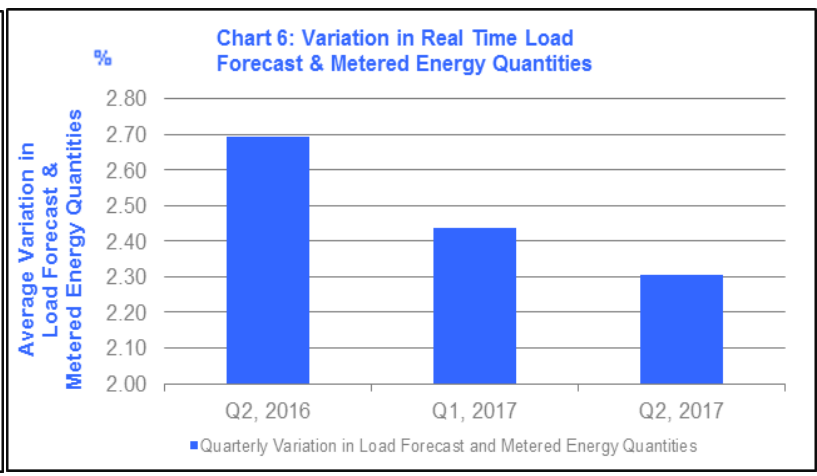
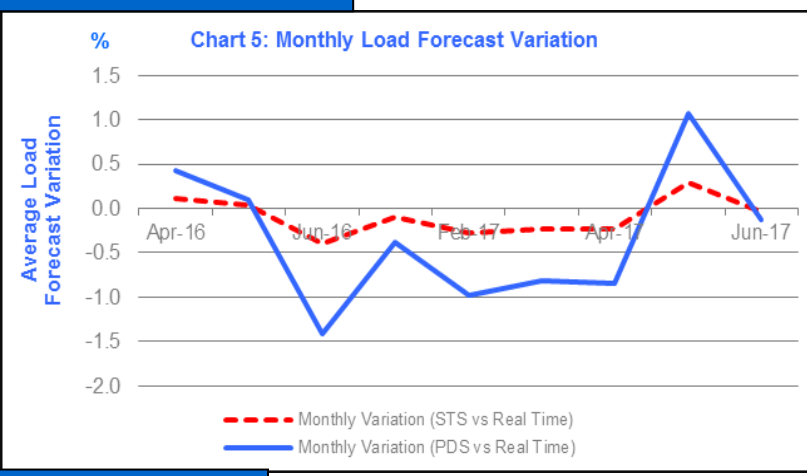


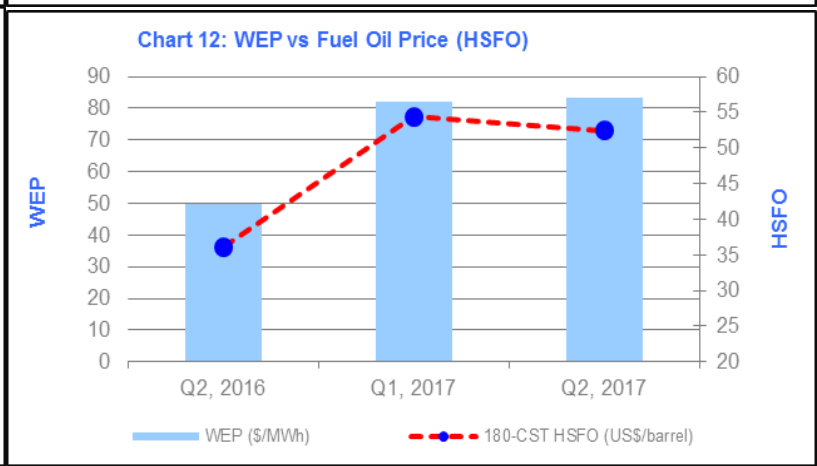
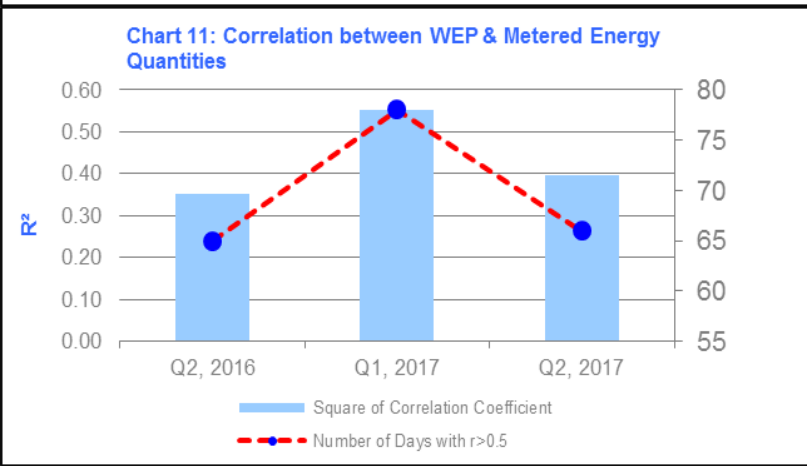
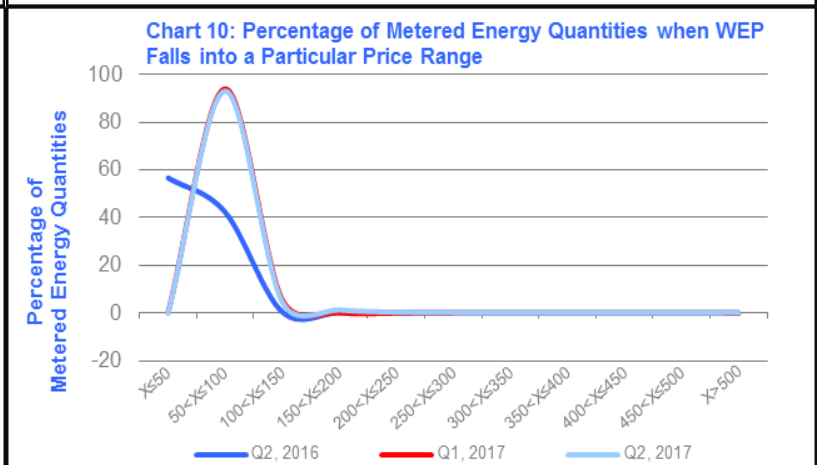
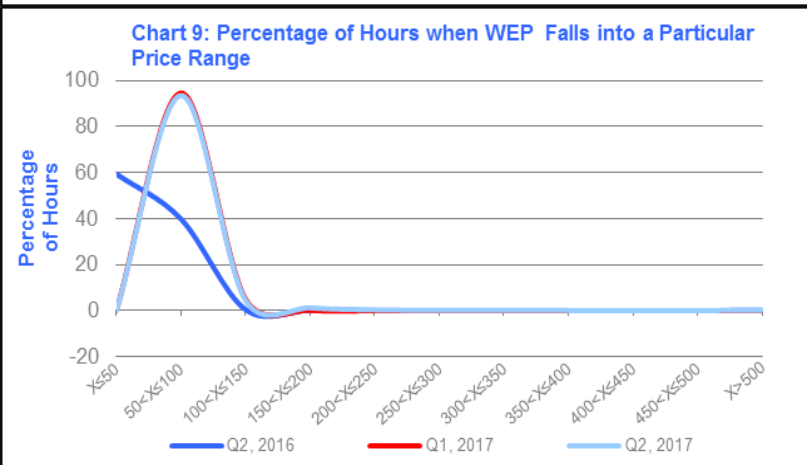
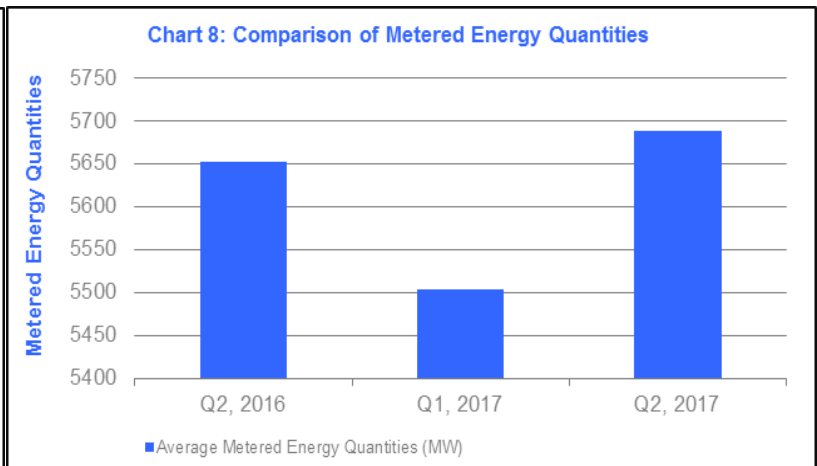
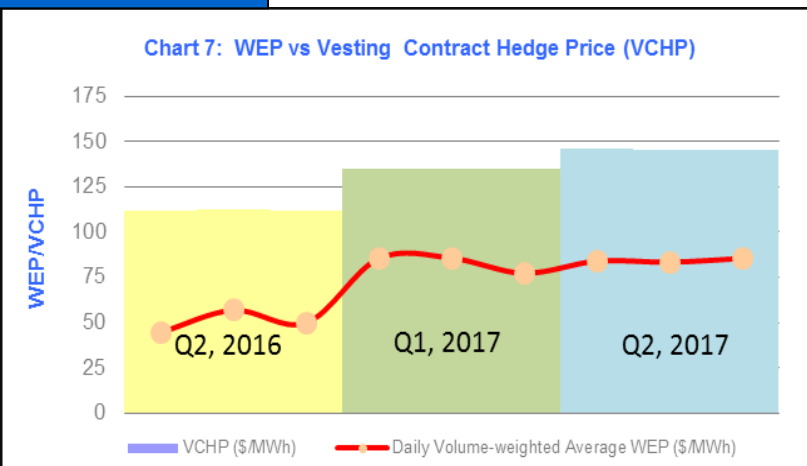
Chart 4: Comparison of Average Market Share by Generation Type Q2 2017

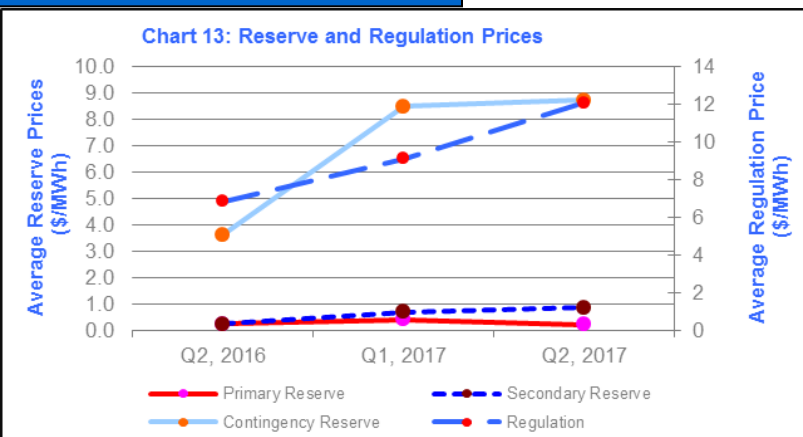


# Demand Indicators



# Energy Prices





**Table 2: Compliance Statistics for Q2 2017**

<b>No. of cases of potential rule breaches</b>	<b>176</b>
Self-reports	2
Referrals/Complaints	174
MSCP initiatives	0
<b>No. of determinations</b>	<b>130</b>
Rule breach	2
No rule breach	125
No further action	3
<b>Enforcement</b>	<b>1</b>
No. of cases with enforcement action	
-Financial penalty	1
-Letter of non-compliance	0
Total amount of financial penalties	\$5,000
Total amount of costs	\$1,500

A User Guide on terms used in this publication is available for download from the Energy Market Company website at [www.emcsg.com](http://www.emcsg.com).

*The Market Surveillance and Compliance Panel is comprised of the following persons:*

- *T P B Menon, Chair*
- *Lee Keh Sai*
- *Philip Chua*
- *Professor Euston Quah*
- *Professor Walter Woon*

*It is supported by the Market Assessment Unit of Energy Market Company.*