

# TASMANIAN MARKET WATCH

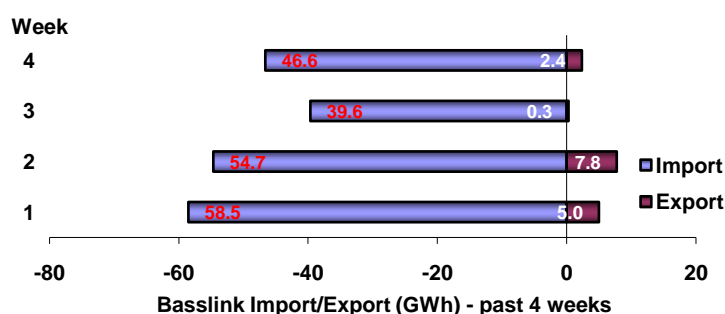
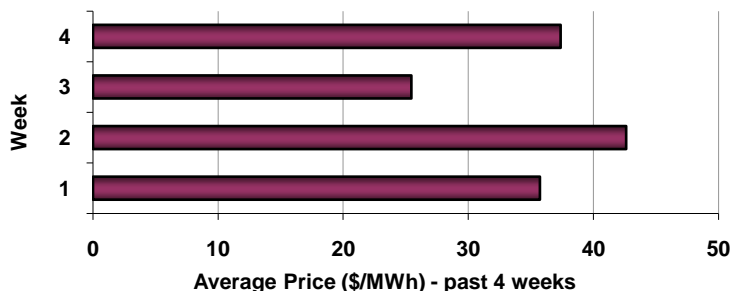
## Weekly Market Data Analysis



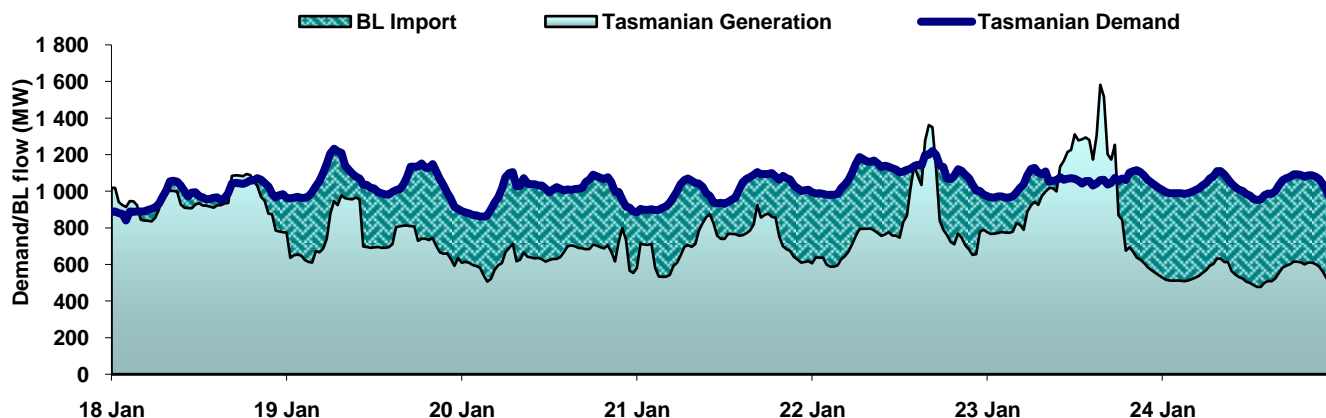
Week 4: 18 January 2015 to 24 January 2015 (Sunday - Saturday)

### Week at a Glance

Average Price (Vol Weighted)	36.05	\$/MWh
Median Price	37.38	\$/MWh
Average Price last year	41.88	\$/MWh
NEM Average Price (excl. Tas)	53.58	\$/MWh
% of time Price <\$50/MWh	84.2	%
Storage	4596	GWh
Percentage Full	31.7	%
Compared to last week	65 ↑	GWh
Max Demand	1232	MW
Min Demand	841	MW
Average Demand	1028	MW
Weekly Energy Demand	189.85	GWh
Basslink		
Total Export	2.36	GWh
Total Import	46.61	GWh
% time counter price Flow	16.1	%
Total FCAS Costs (Tas)	494.71	\$1000s



### Tasmanian Demand & Basslink flow during the week



### Water Storage Situation

(as at Monday 19 January 2015)

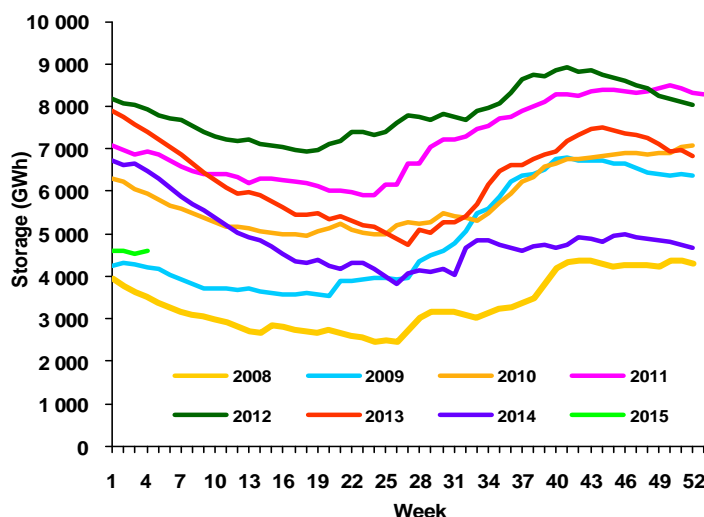
	System	NHW
Beginning of this week (GWh)	4596	417
Percentage full	31.7%	67.8%
Beginning of last week (GWh)	4531	404
Change from last week (GWh)	1% ↑	3% ↑
Compared to last year (GWh)	29% ↓	2% ↑

### Generation

Hydro Generation (incl. exports)	128.02	GWh
Thermal Generation	0.16	GWh
Wind Generation	17.42	GWh

NHW - Northern Head Waters

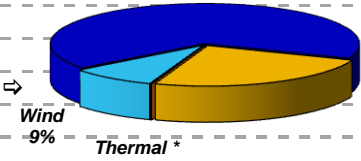
Sources: Hydro Tasmania/NEM-Review™



## Fact Sheet

Compiled using information from NEM-Review™ and AEMO published data

Market Price		This week	Last week	Change	
Average Price (Volume weighted)	\$/MWh	36.05	26.71	Up by	35.0%
Median Price	\$/MWh	37.38	25.45	Up by	46.9%
Maximum Price	\$/MWh	52.26	52.08		
Minimum Price	\$/MWh	10.28	10.00		
% of intervals price was below \$50/MWh	%	84.2%	98.2%		
Recorded max weekly Avg since 29.4.06	\$/MWh	● 406.10	Week 25/09		
Recorded min weekly Avg since 29.4.06	\$/MWh	● 0.46	Week 6/10		

Demand		Occurrence	
Maximum Demand during the week	MW	1232	19 January 2015 7:00 AM
Minimum Demand during the week	MW	841	18 January 2015 2:30 AM
Average Demand during the week	MW	1028	
Weekly System Load Factor (LF)	%	83.43%	
Summer Average LF (Dec'13-Feb'14)	%	79.72%	
Weekly Energy Demand	GWh	189.69	
(Basslink + Thermal) Share	%	24.64%	
			
Recorded maximum peak for 2014	MW	1232	19 January 2015
Recorded maximum peak to date	MW	1760	11 August 2008

\* represents output from TVPS

Basslink		Export	Import	Net/Total
Total Export/Import	GWh	2.36	46.61	Net Import 44.25
Max flow during export/import	MW	521	478	
Inter-regional revenue generated*	\$1000s	27.05	534.26	561.31
Max +ve price differential observed	\$/MWh	85.08	35.04	
Max -ve price differential observed	\$/MWh	-15.27	-3.92	
No of intervals of counter price flow		11	43	
% time of counter price flow	%	3.27%	12.8%	16.1%
No-go zone flows (% of total MWh flows)	%	7.65%	0.54%	0.88%

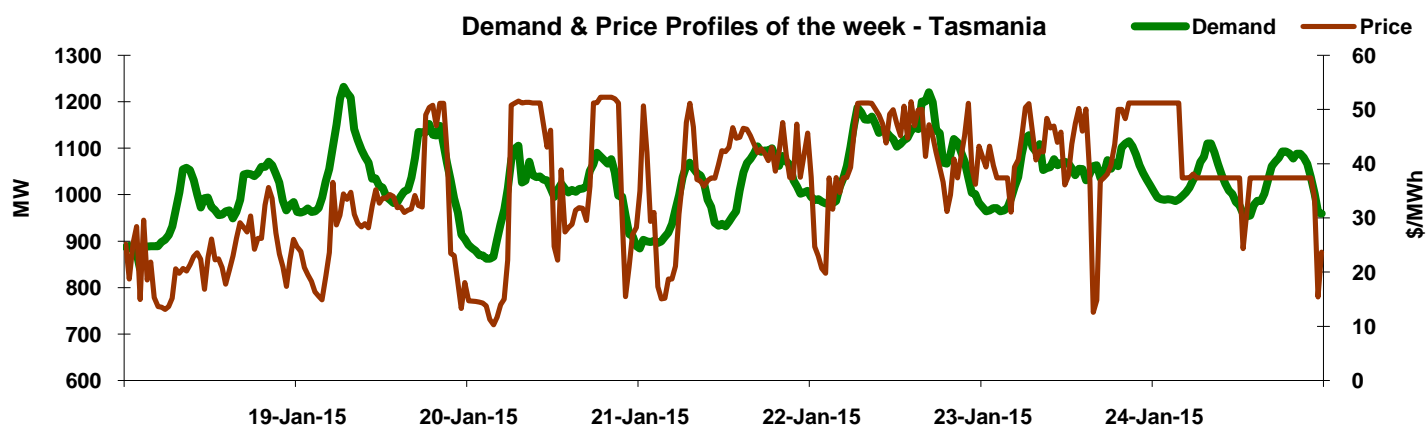
FCAS Costs		Tasmania	Mainland	Total NEM
Total FCAS costs	\$1000s	494.71	516.00	1010.71
% of Total Energy Costs	%	7.95%	0.24%	0.46%
Cost of Lower Services	\$1000s	453.66	51.81	505.47
% of Total Energy Costs	%	7.29%	0.02%	0.23%
Cost of Raise Services	\$1000s	41.06	464.18	505.24
% of Total Energy Costs	%	0.66%	0.22%	0.23%

\* Losses in the link are not considered in the calculation of residues.

## Price Spikes in Tasmania (when price was > 3 x Weekly Average)

Weekly Average = \$36.05/MWh

Reasons/Comments
The spot price in Tasmania did not reach more than three times the weekly average during the week.

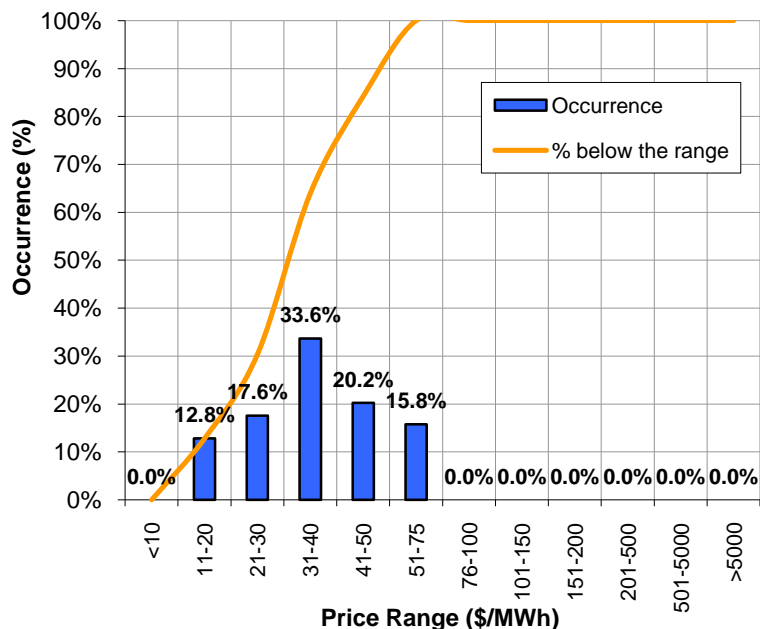


## Other Market News and Trends

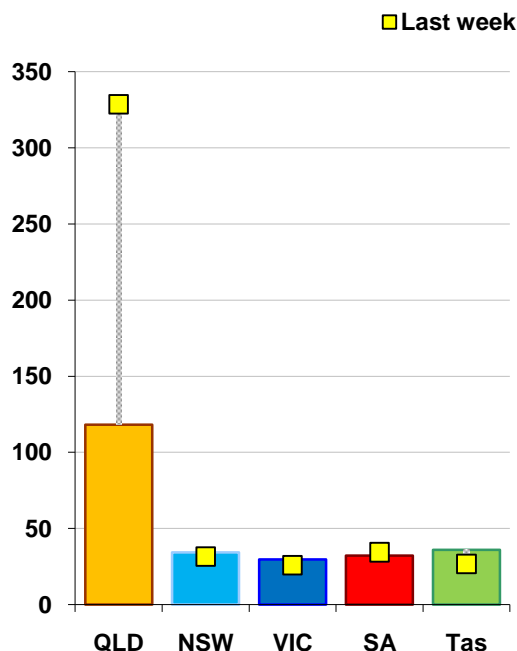
Compared to last week, average spot prices for the week decreased in Queensland and South Australia, but increased in Victoria, New South Wales and Tasmania. Spot prices averaged between \$29.68/MWh in Victoria and \$118.10/MWh in Queensland. Most Tasmanian prices fell in the \$31 to \$50/MWh range.

Turnover in the energy market was \$217.54 million (turnover in the Tasmanian region was \$6.22 million). The total cost of ancillary services for the week was \$1010 707 or 0.46% of energy market turnover. Tasmanian contribution to total FCAS costs was 49%.

### Price Distribution within the week (Tasmania)

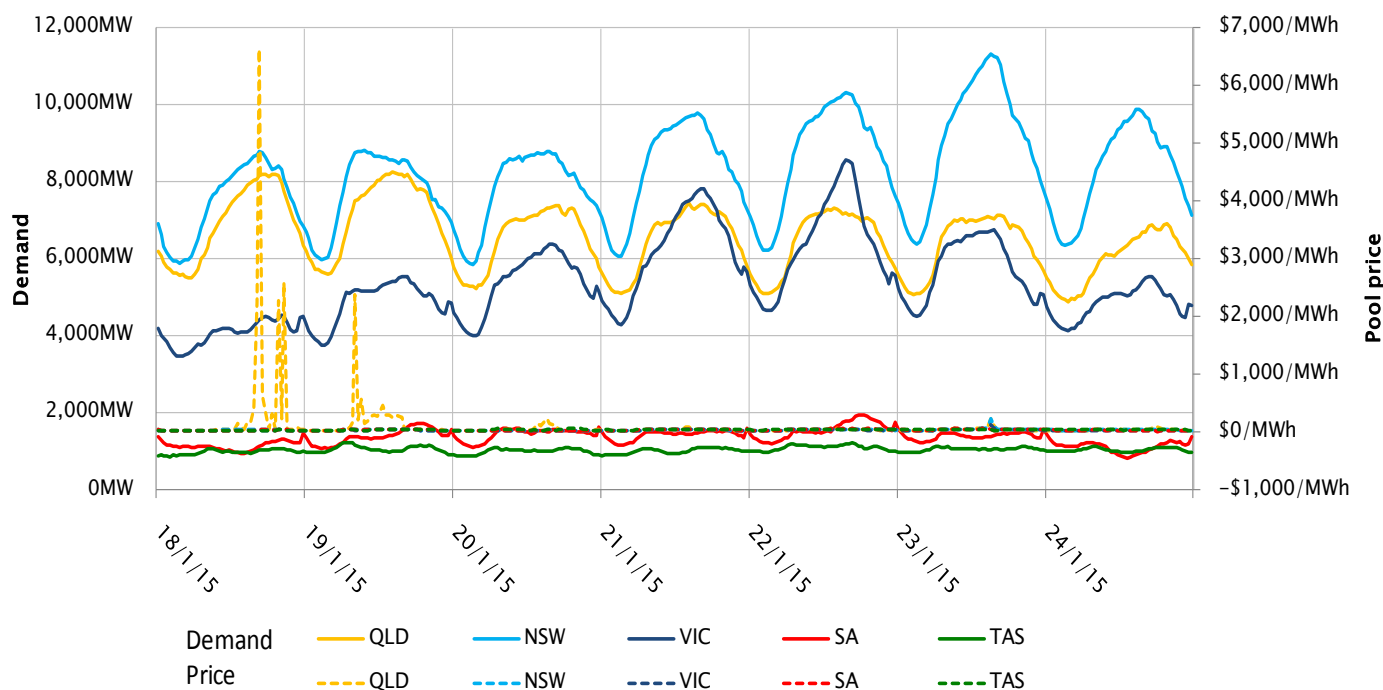


### Weekly Average prices in the NEM (\$/MWh)



## Market snapshot

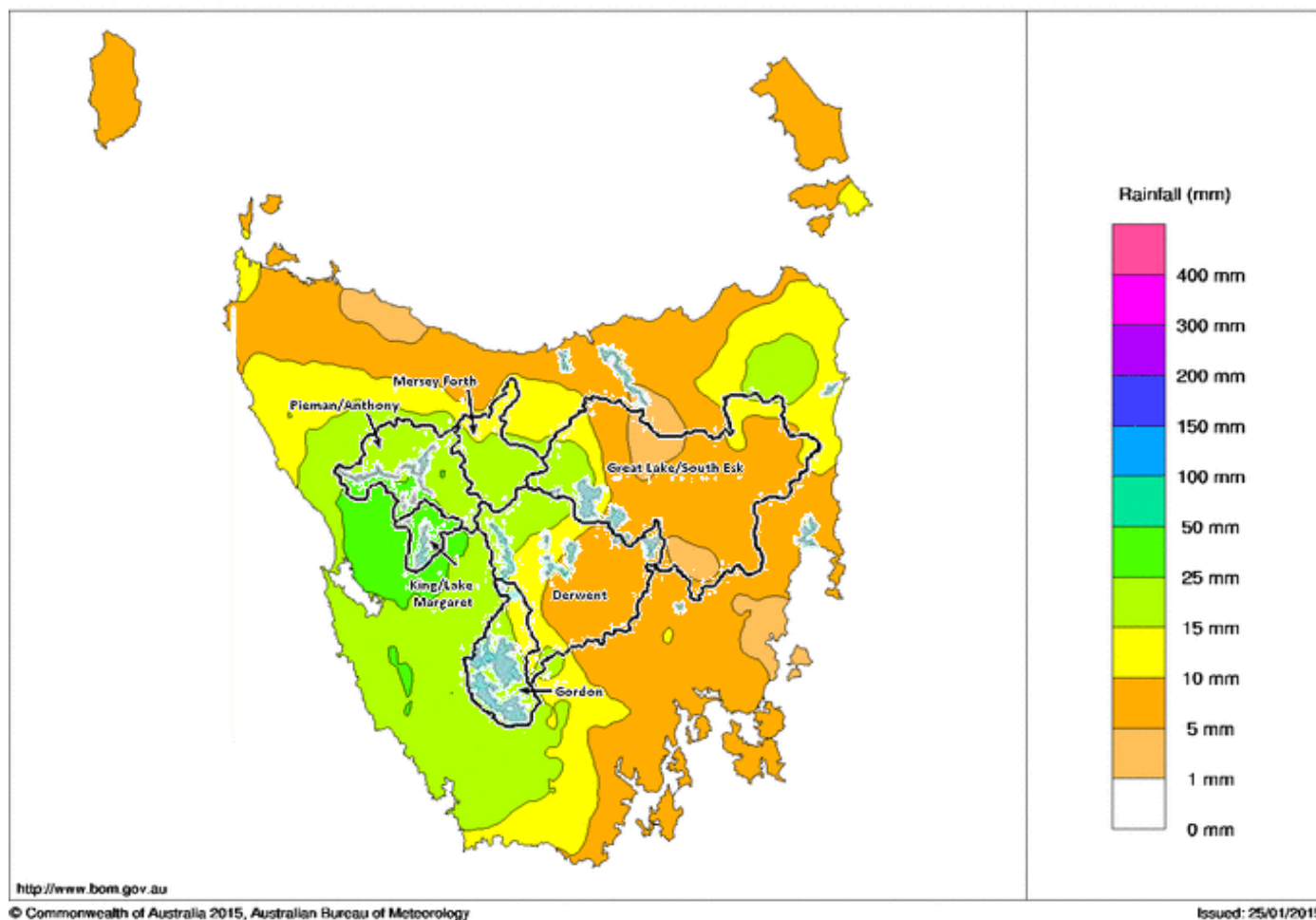
Price spikes associated attributed to rebidding of generation capacity and availability continue in Queensland. For more information refer to <http://www.aemo.com.au/Electricity/Resources/Reports-and-Documents/Pricing-Event-Reports/January-2015>.



## Tasmanian rainfall for the week

Map showing rainfall (mm) for the week over Hydro catchment areas.

Tasmanian Rainfall Totals (mm) Week Ending 25th January 2015  
Australian Bureau of Meteorology

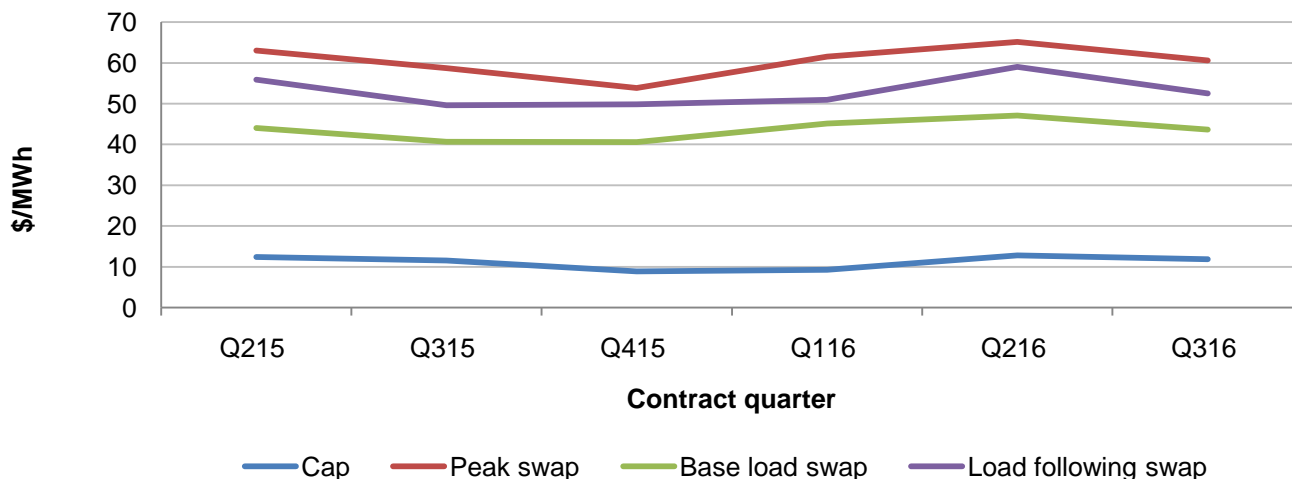


## Wholesale Electricity Market Contract Regulation

Under clause 17(e) of the *Wholesale Contract Regulatory Instrument* Hydro Tasmania was not required to make a regulated offer over the Christmas period.

To help you understand the information in this section refer to the Regulator's **Wholesale Pricing** page available [here](#).

### Approved financial contract offer prices for 20 January 2015



### Traffic Light Indicators

The traffic light indicators advise market participants of the remaining availability of regulated contracts in each of the eight forward quarters in which Hydro Tasmania is required to offer regulated contracts.

#### Traffic light indicators as at 20 January 2015

	Capacity	Energy	Active Contract Quarter
Q215	<span style="background-color: yellow;">■</span>	<span style="background-color: yellow;">■</span>	yes
Q315	<span style="background-color: red;">■</span>	<span style="background-color: yellow;">■</span>	yes
Q415	<span style="background-color: yellow;">■</span>	<span style="background-color: yellow;">■</span>	yes
Q116	<span style="background-color: yellow;">■</span>	<span style="background-color: yellow;">■</span>	yes
Q216	<span style="background-color: red;">■</span>	<span style="background-color: green;">■</span>	yes
Q316	<span style="background-color: green;">■</span>	<span style="background-color: green;">■</span>	yes
Q416	<span style="background-color: green;">■</span>	<span style="background-color: green;">■</span>	yes
Q117	<span style="background-color: green;">■</span>	<span style="background-color: green;">■</span>	yes

key:

- Significant head room (>130MW of capacity, >200GWh of energy) still available
- Limited head room (0-130MW of capacity, 0-200GWh of energy) available
- No head room available

*Disclaimer: Although this report has been prepared in good faith using information and reports publicly available from web sites and other sources, the Office of the Tasmanian Economic Regulator assumes no liability as to the reliability and accuracy of the information provided. Readers should refer to the 'Guide to reading Market Watch' for definitions of terms and an overview of the data and charts used in this weekly bulletin..*