

# TASMANIAN MARKET WATCH

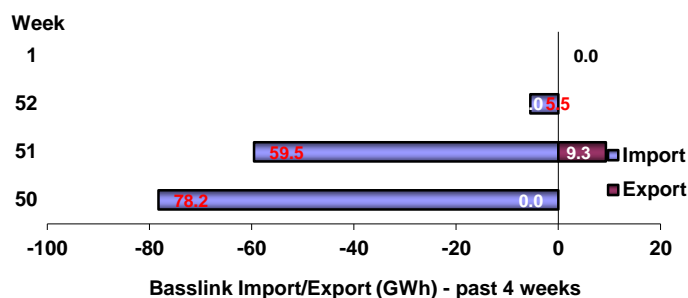
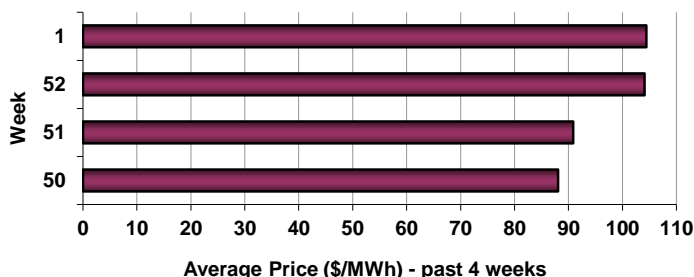
## Weekly Market Data Analysis



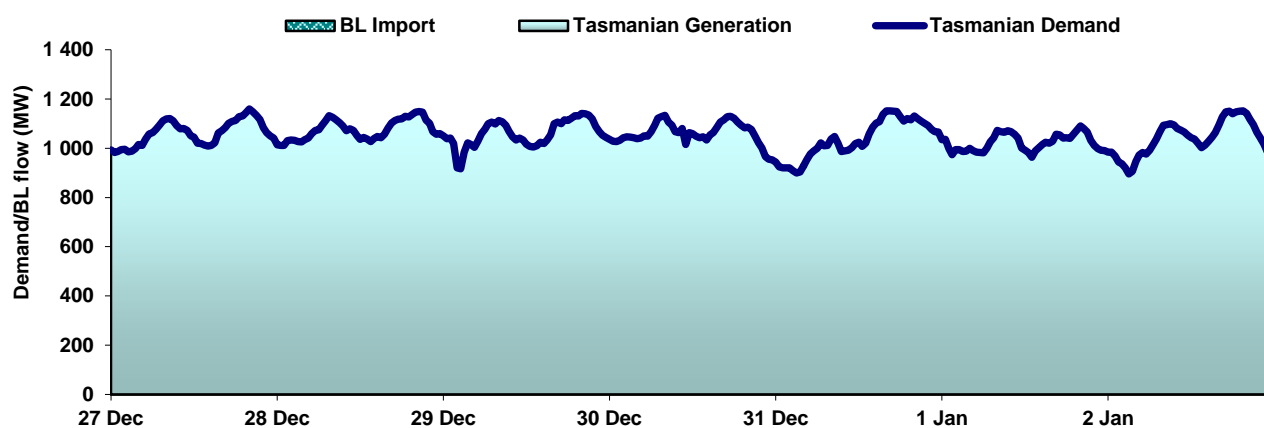
Week 1: 27 December 2015 to 2 January 2016 (Sunday - Saturday)

### Week at a Glance

Average Price (Vol Weighted)	104.43	\$/MWh
Median Price	100.24	\$/MWh
Average Price last year	33.29	\$/MWh
NEM Average Price (excl. Tas)	53.54	\$/MWh
% of time Price <\$50/MWh	0.0	%
Storage	3451	GWh
Percentage Full	23.8	%
Compared to last week	164 ↓	GWh
Max Demand	1160	MW
Min Demand	896	MW
Average Demand	1051	MW
Weekly Energy Demand	188.76	GWh
Basslink		
Total Export	0.00	GWh
Total Import	0.00	GWh
% time counter price Flow	0.0	%
Total FCAS Costs (Tas)	170.75	\$1000s



### Tasmanian Demand & Basslink flow during the week



### Water Storage Situation

(as at Monday 28 December 2015)

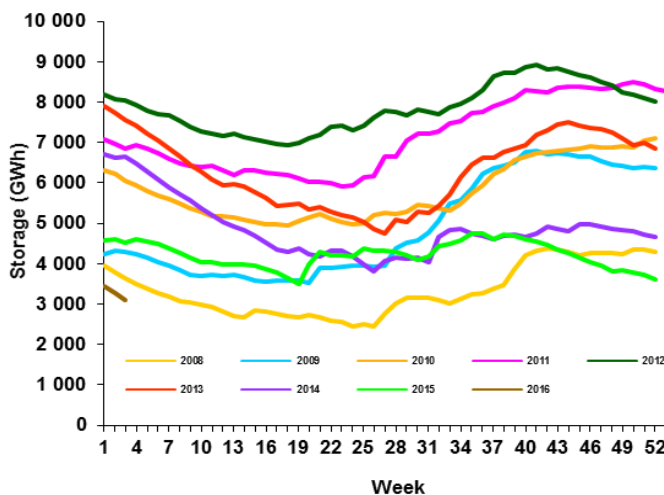
	System	NHW
Beginning of this week (GWh)	3451	314
Percentage full	23.8%	51.1%
Beginning of last week (GWh)	3615	331
Change from last week (GWh)	5% ↓	5% ↓
Compared to last year (GWh)	25% ↓	18% ↓

### Generation

Hydro Generation (incl. exports)	170.96	GWh
Thermal Generation	4.29	GWh
Wind Generation	13.51	GWh

NHW - Northern Head Waters

Sources: Hydro Tasmania/NEM-Review™

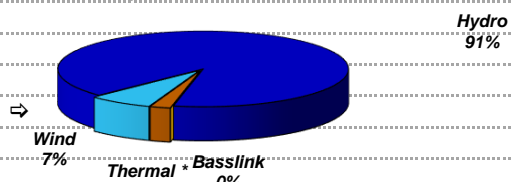


## Fact Sheet

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

Market Price		This week	Last week	Change	
Average Price (Volume weighted)	\$/MWh	104.43	104.10	Down by	0.3%
Median Price	\$/MWh	100.24	93.13	Up by	7.6%
Maximum Price	\$/MWh	177.54	1993.58		
Minimum Price	\$/MWh	85.28	62.40		
% of intervals price was below \$50/MWh	%	0.0%	0.0%		
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	1160	27 December 2015 8:30 PM
Minimum Demand during the week	MW	896	02 January 2016 3:30 AM
Average Demand during the week	MW	1051	
Weekly System Load Factor (LF)	%	90.64%	
Summer Average LF (Dec 14 – Feb 15)	%	80.02%	
Weekly Energy Demand	GWh	12.23	
(Basslink + Thermal) Share	%	2.27%	
Recorded maximum peak for 2015	MW	1160	4 June 2015
Recorded maximum peak to date	MW	1760	11 August 2008



Basslink		Export	Import	Net/Total
Total Export/Import	GWh	0.00	0.00	Net Import 0.00
Max flow during export/import	MW	0	0	
Inter-regional revenue generated*	\$1000s	0.00	0.00	0.00
Max +ve price differential observed	\$/MWh	0.00	0.00	
Max -ve price differential observed	\$/MWh	0.00	0.00	
No of intervals of counter price flow		0	0	
% time of counter price flow	%	0.00%	0.0%	0.0%
No-go zone flows (% of total MWh flows)	%	0.00%	0.00%	#DIV/0!

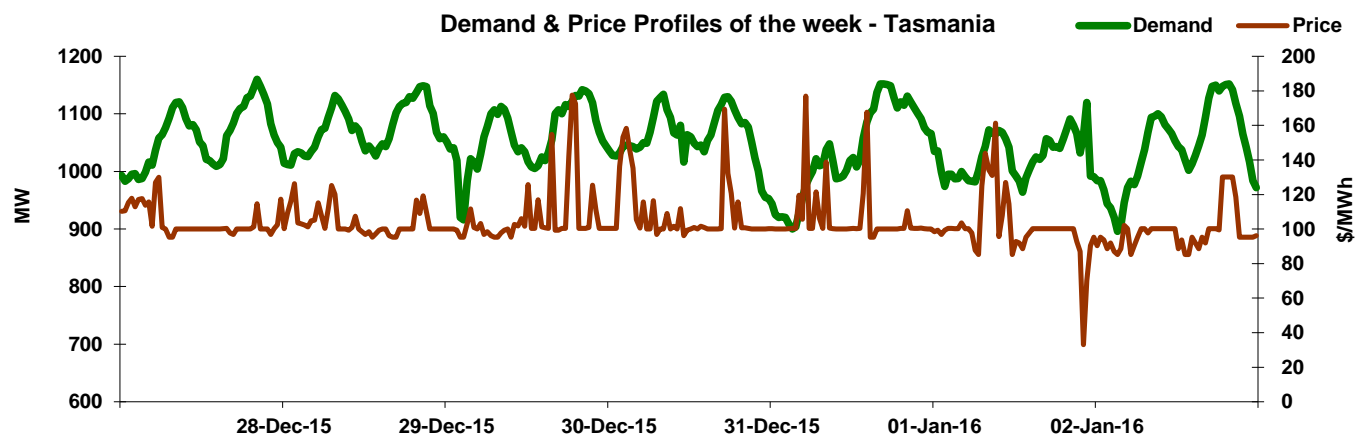
FCAS Costs		Tasmania	Mainland	Total NEM
Total FCAS costs	\$1000s	170.75	633.49	804.24
% of Total Energy Costs	%	0.93%	0.43%	0.49%
Cost of Lower Services	\$1000s	18.52	65.53	84.05
% of Total Energy Costs	%	0.10%	0.04%	0.05%
Cost of Raise Services	\$1000s	152.22	567.97	720.19
% of Total Energy Costs	%	0.83%	0.39%	0.44%

\* 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 = \$104.43/MWh

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

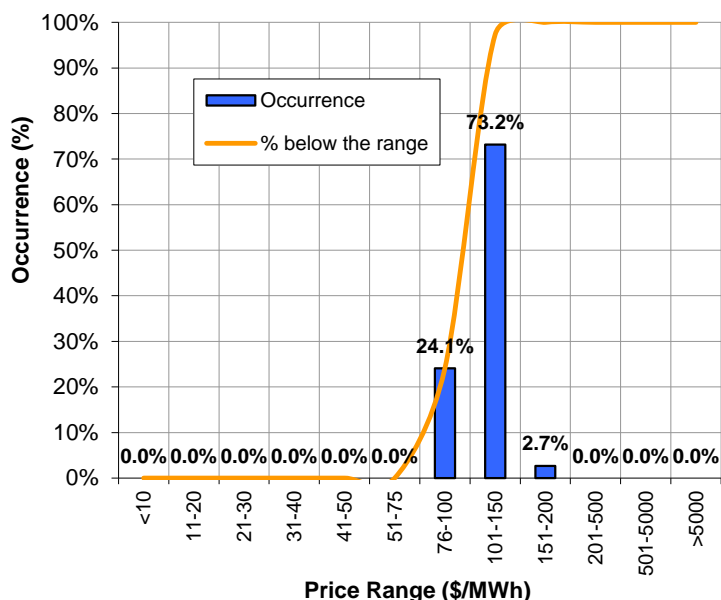


## Other Market News and Trends

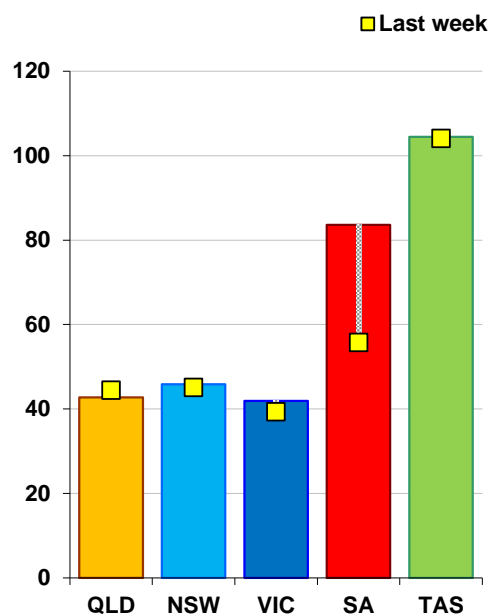
Compared to last week, average spot prices for the week increased in New South Wales, South Australia, Victoria, Tasmania, but decreased in Queensland. Weekly average volume weighted spot prices ranged between \$104.43/MWh in Tasmania and \$41.96/MWh in Victoria. Most Tasmanian prices fell in the \$101 to \$150/MWh range.

Turnover in the energy market was \$165.46 million (turnover in the Tasmanian region was \$18.45 million). The total cost of ancillary services for the week was \$804 240 or 0.49% of energy market turnover. Tasmanian contribution to total FCAS costs was 21%.

Price Distribution within the week (Tasmania)

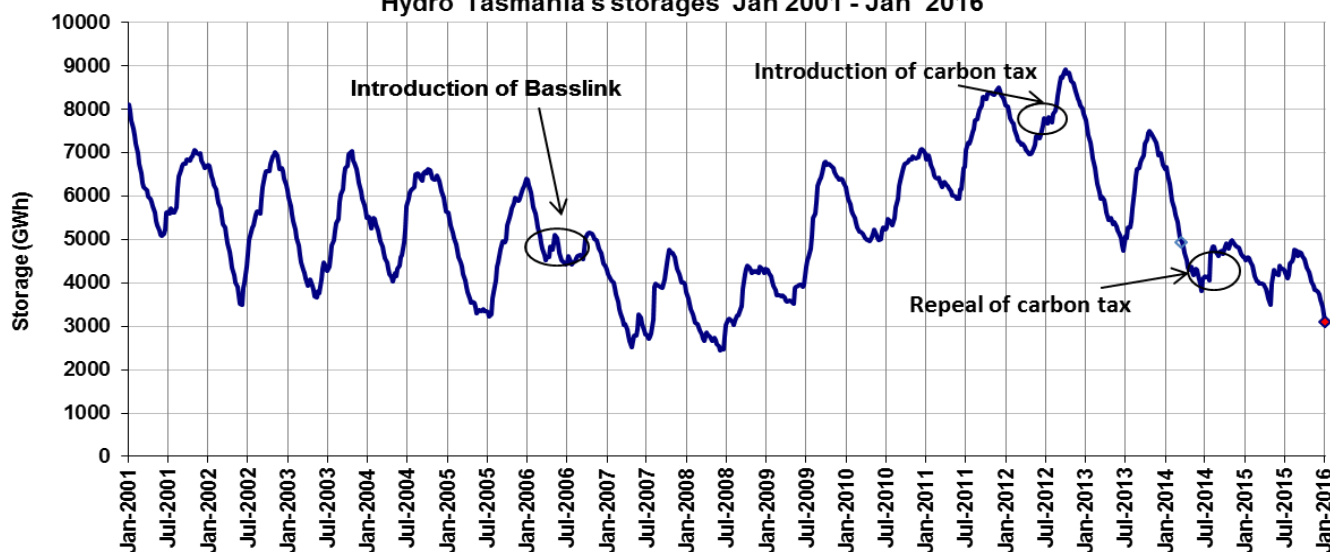


Weekly Average prices in the NEM (\$/MWh)



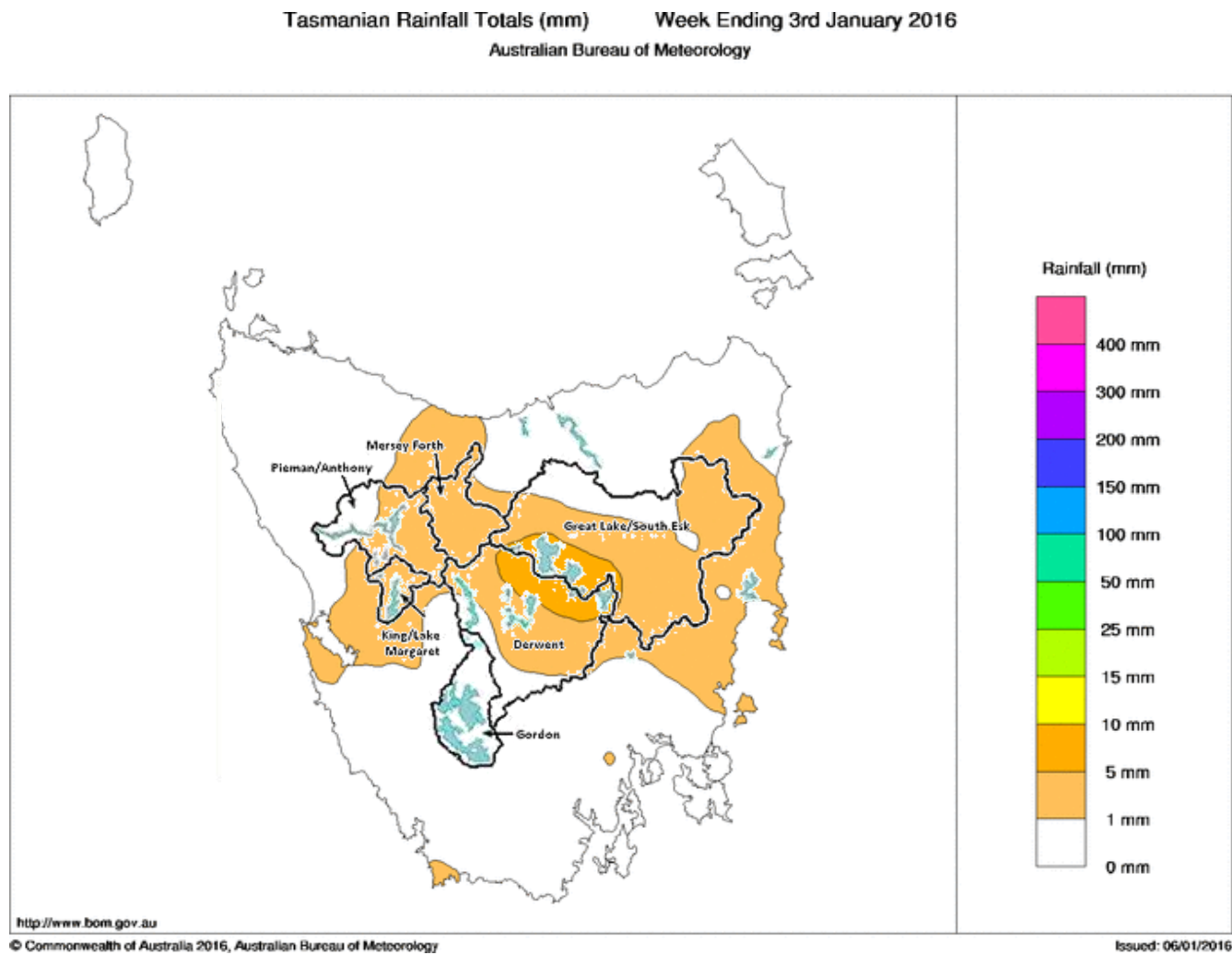
## 📷 Market snapshot

Hydro Tasmania's storages Jan 2001 - Jan 2016



Tasmanian rainfall for the week

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

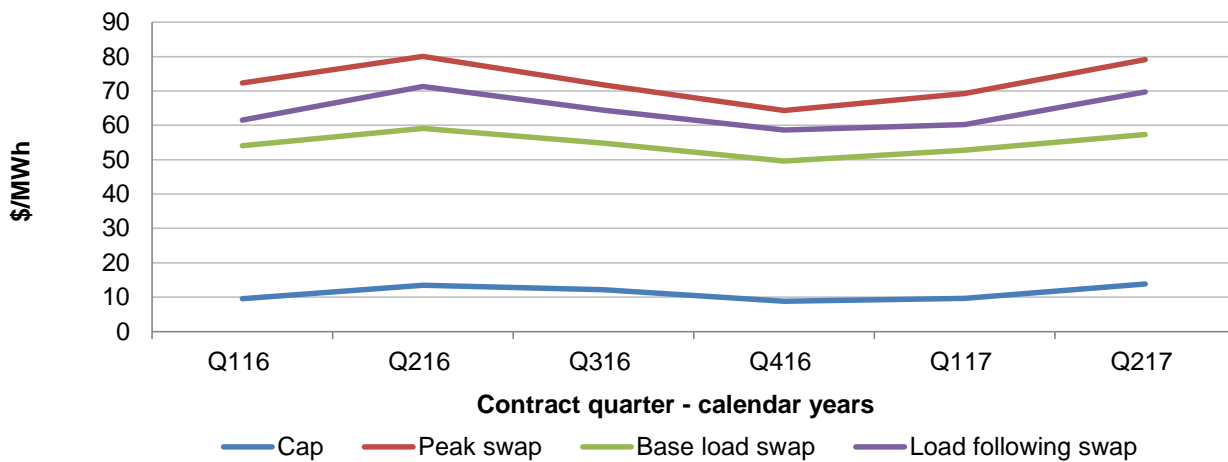


## Wholesale Electricity Market Contract Regulation

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

Please note: Regulated contract prices were not updated during the Christmas New Year period.

### Approved financial contract offer prices for 22 December 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.

For more information on the role of the traffic light indicators refer to the **Market Watch Readers Guide** available [here](#)

### Traffic light indicators as at 22 December 2015

	Capacity	Energy	Active Contract Quarter
Q116	Red	Red	yes
Q216	Red	Red	yes
Q316	Yellow	Yellow	yes
Q416	Yellow	Yellow	yes
Q117	Yellow	Yellow	yes
Q217	Yellow	Yellow	yes
Q317	Green	Green	yes
Q417	Green	Green	yes

**key:**

- Green: Significant head room (>130MW of capacity, >200GWh of energy) still available
- Yellow: Limited head room (0-130MW of capacity, 0-200GWh of energy) available
- Red: 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..*