



TASMANIAN MARKET WATCH

Weekly Electricity Market Data Analysis



Week 7: 12 February 2023 to 18 February 2023 (Sunday - Saturday)

This Week at a Glance

Prices

Average Price (Volume Weighted)	90.51	\$/MWh
Average Price this week last year	67.29	\$/MWh
Median Price	99.72	\$/MWh
% of time Price <\$50/MWh	20.24	%
NEM Average Price (excl. Tas)	107.86	\$/MWh

Storages

Storages as at 13 February 2023	5 770	GWh
Percentage Full	39.97	%
Compared to last week	112.95 ↓	GWh

Demand

Maximum Demand	1 284	MW
Minimum Demand	745	MW
Average Demand	1 165	MW
Weekly Energy Consumption	195.70	GWh

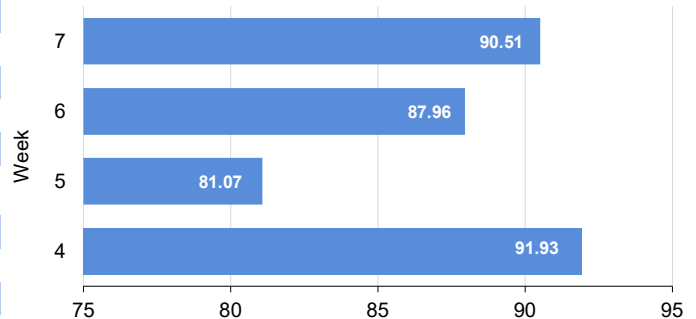
Basslink

Total Export	7.67	GWh
Total Import	53.05	GWh
Percentage time counter price flow	5.36	%

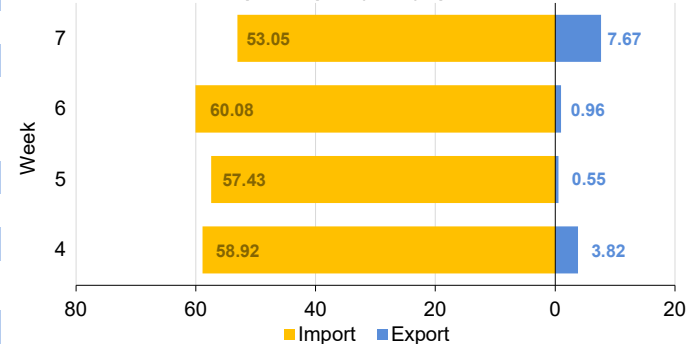
Frequency Control Ancillary Services (FCAS)

Total FCAS Costs (Tas)	201.41	\$'000s
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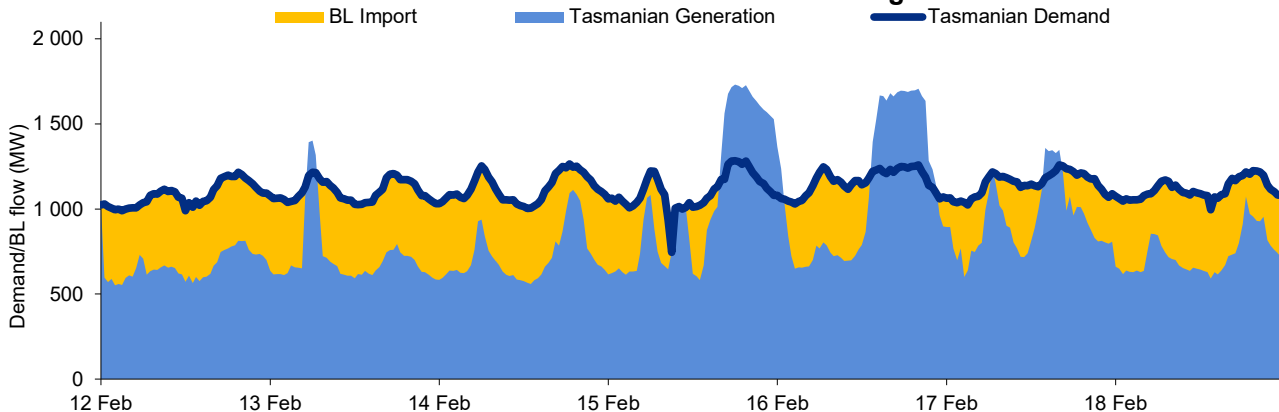
Average Price (\$/MWh) - past 4 weeks



Basslink Import/Export (GWh) - past 4 weeks



Tasmanian demand and Basslink flow during the week

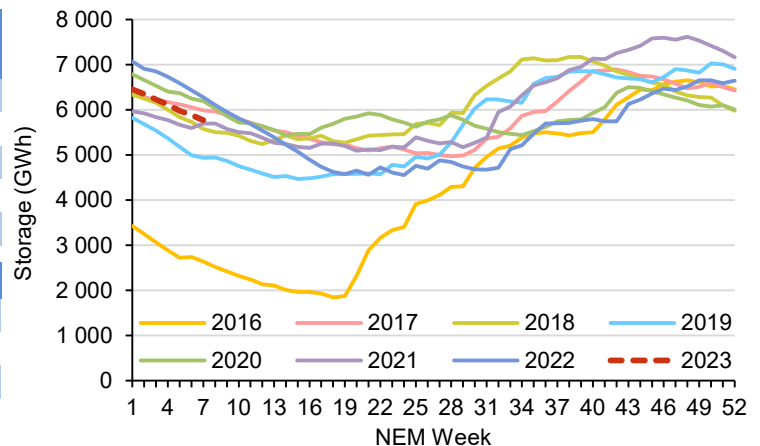


Water Storage Situation*

(as at Monday 13 February 2023)	System
Beginning of this week (GWh)	5 770
Percentage full	39.97%
Beginning of last week (GWh)	5 883
Change from last week (GWh)	1.92% ↓
Compared to last year (GWh)	8.05% ↓

Generation

Hydro Generation	127.17	GWh
Gas Generation	0.79	GWh
Wind Generation	22.79	GWh



Sources: Hydro Tasmania/NEM-Review™

*Water storage situation represents system storage levels exclusive of Lake Gairdner, Lake Margaret and Lake Plimsoll. These levels are used in Hydro Tasmania's publications, for historical consistency.

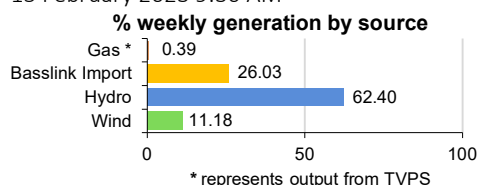
Fact Sheet

Compiled using information from NEMReview™ and AEMO published data

Market Price		This week	Last week	Change	
Average Price (Volume weighted)	\$/MWh	90.51	87.96	UP by	3%
Median Price	\$/MWh	99.72	94.48	UP by	6%
Maximum Price	\$/MWh	197.18	203.57		
Minimum Price	\$/MWh	-37.38	11.10		
% of intervals price was below \$50/MWh	%	20.24	23.51		

Recorded max weekly average since 29.4.06	\$/MWh	● 15 100.00	Week 25/2009
Recorded min weekly average since 29.4.06	\$/MWh	● 0.46	Week 6/2010

Demand			Occurrence
Maximum Demand during the week	MW	1 284	15 February 2023 6:30 PM
Minimum Demand during the week	MW	745	15 February 2023 9:30 AM
Average Demand during the week	MW	1 165	
Weekly System Load Factor (LF)	%	87.19	
Summer Average LF (Dec 21 - Feb 22)	%	81.18	
Weekly Energy Consumption	GWh	195.70	



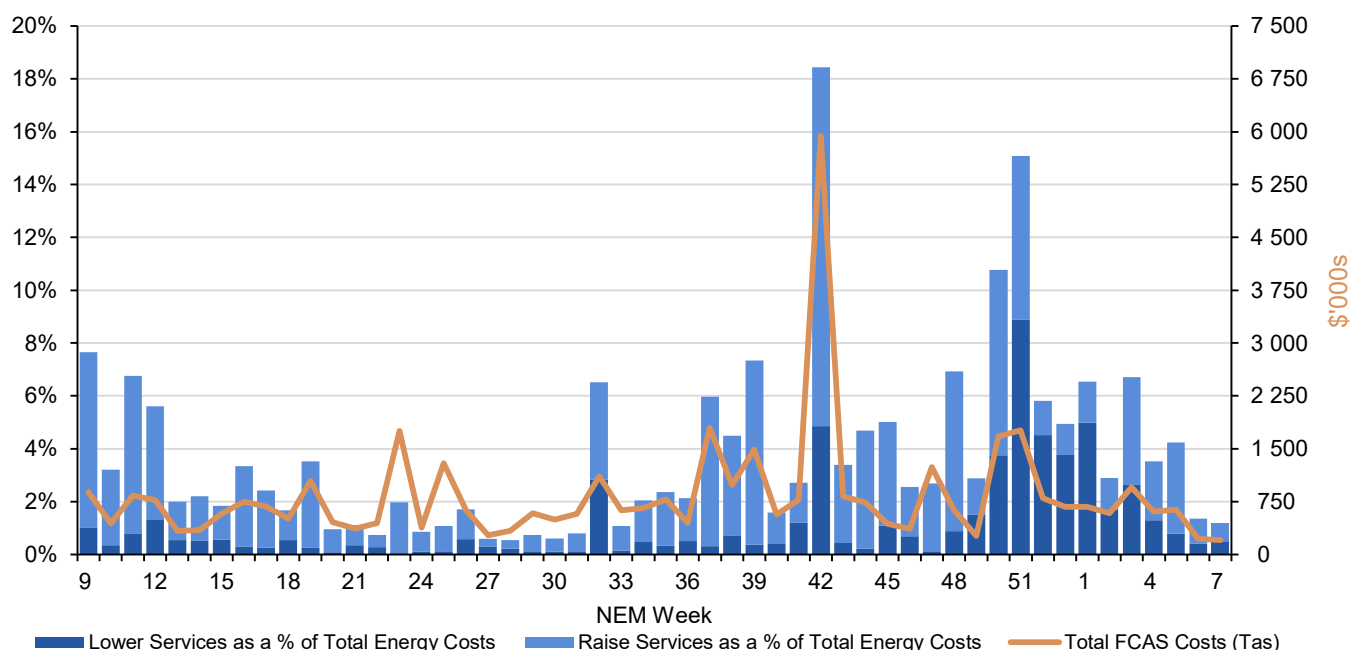
Recorded maximum peak for 2023	MW	1 316	9 February 2023
Recorded maximum peak to date	MW	1 760	11 August 2008

Basslink		Export	Import	Net/Total
Total Export/Import	GWh	7.67	53.05	Net Import 45.38
Max flow during export/import	MW	447	447	
Inter-regional revenue generated*	\$'000s	1 737.92	1 905.75	3 643.67
Max +ve price differential observed	\$/MWh	3 268.03	235.01	
Max -ve price differential observed	\$/MWh	-27.01	-60.67	
% time of counter price flow	%	1.49	3.87	5.36
No-go zone flows (% of total MWh flows)	%	0.00	0.09	0.08

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

FCAS Costs		Tasmania	Mainland	Total NEM
Total FCAS costs	\$'000s	201.41	2 531.42	2 732.83
% of Total Energy Costs	%	1.18	0.67	0.69
Cost of Lower Services	\$'000s	81.97	1 328.50	1 410.47
% of Total Energy Costs	%	0.48	0.35	0.36
Cost of Raise Services	\$'000s	119.45	1 202.92	1 322.37
% of Total Energy Costs	%	0.70	0.32	0.34

Frequency Control Ancillary Services (FCAS) costs in Tasmania (Week 9 2022 - Week 7 2023)

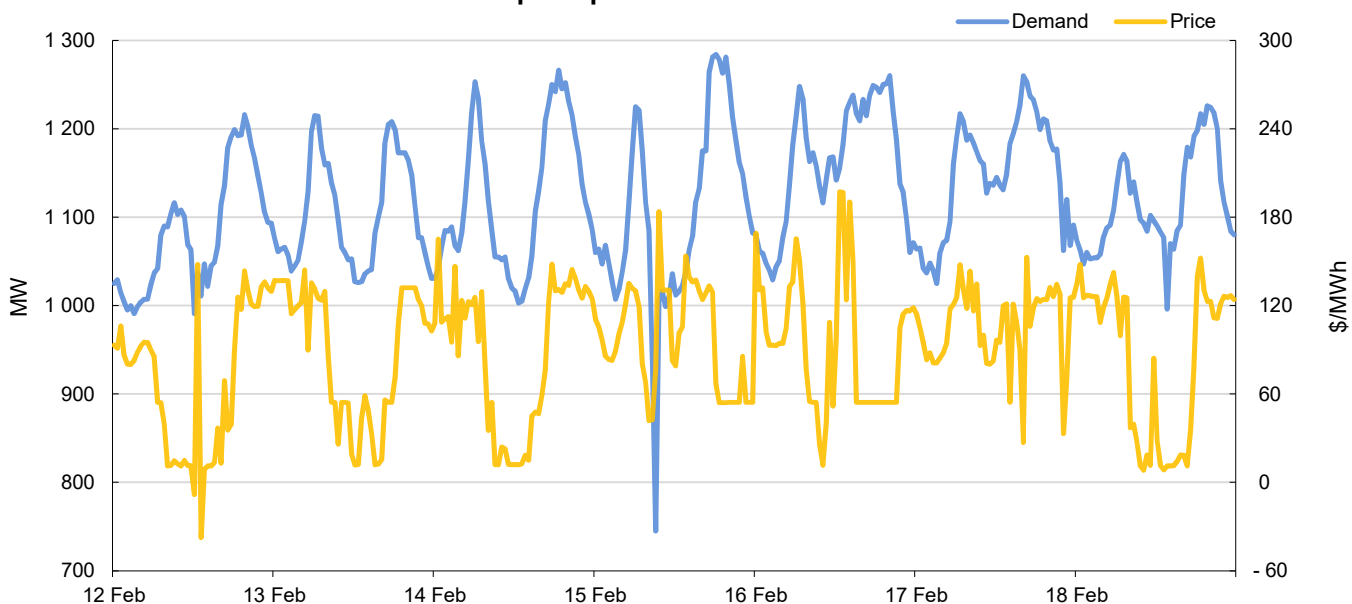


Price and Demand during Week 7

Volume Weighted Weekly Average = \$90.51/MWh

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

Demand and price profiles for the week - Tasmania

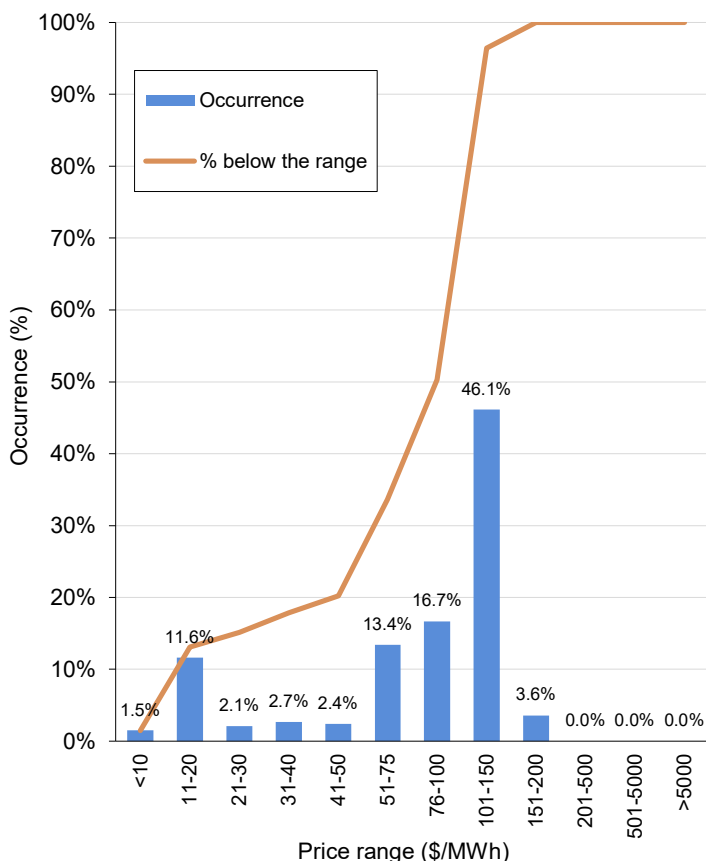


Other Market News and Trends

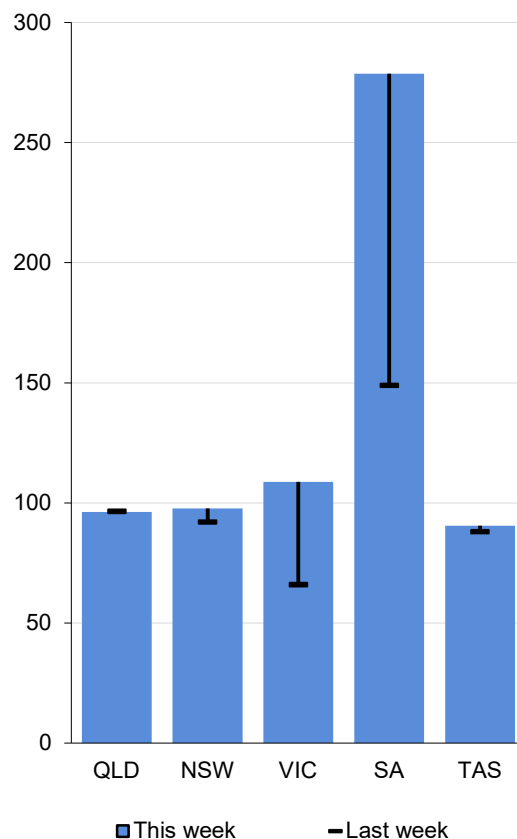
Compared to last week, average volume weighted spot prices for the week decreased in Queensland and increased in all other NEM jurisdictions. Average prices ranged between \$90.51/MWh in Tasmania and \$278.61/MWh in South Australia. Tasmanian spot prices were predominately between \$76/MWh and \$150/MWh during the week, with a maximum of \$197.18/MWh, and a minimum of -\$37.38/MWh.

Turnover in the NEM was \$394.56 million (turnover in the Tasmanian region was \$17.02 million). The total cost of ancillary services in the NEM for the week was \$2.73 million or 0.69 per cent of total electricity market turnover.

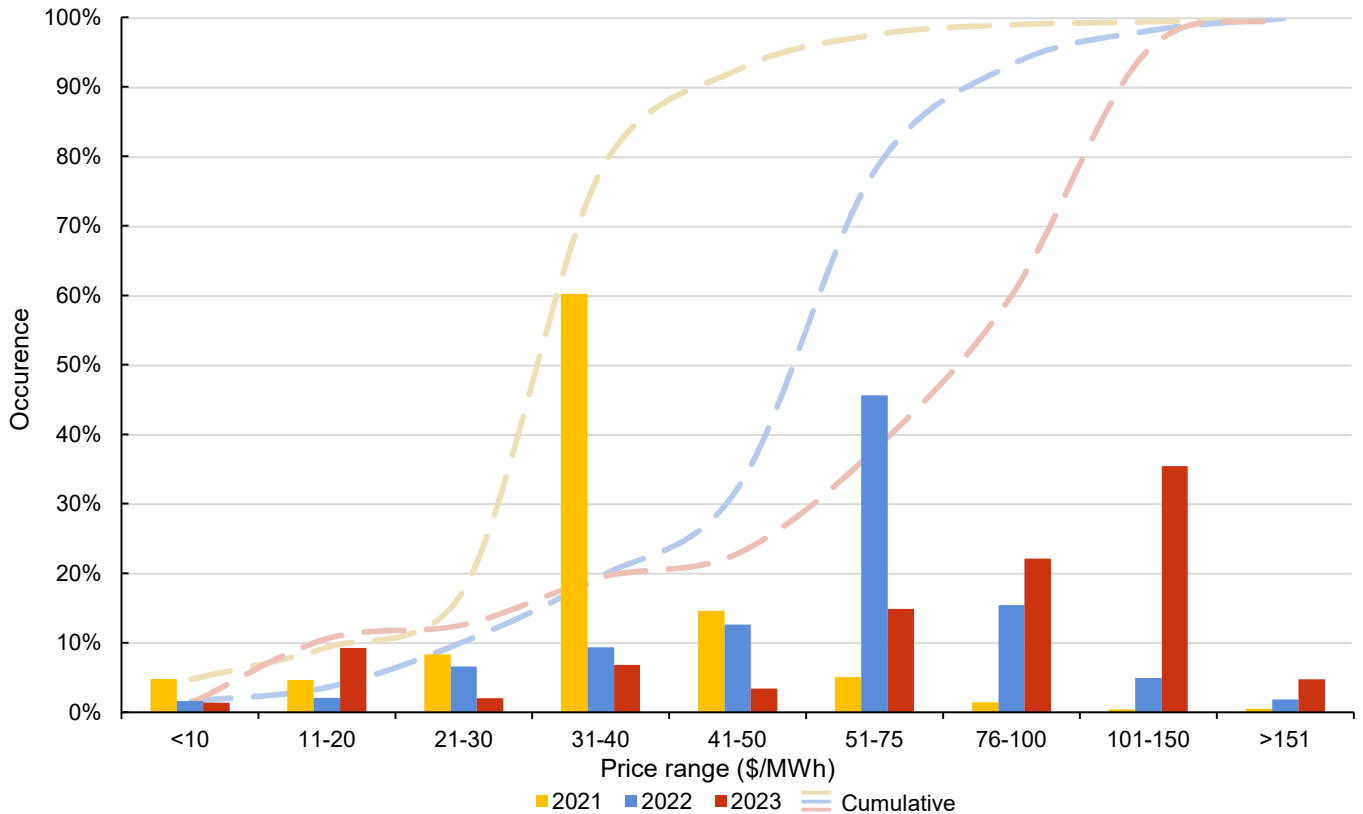
Spot price distribution during the week (Tasmania)



Volume weighted weekly average prices in the NEM (\$/MWh)



Spot price distributions during NEM Weeks 1-7, 2021-2023

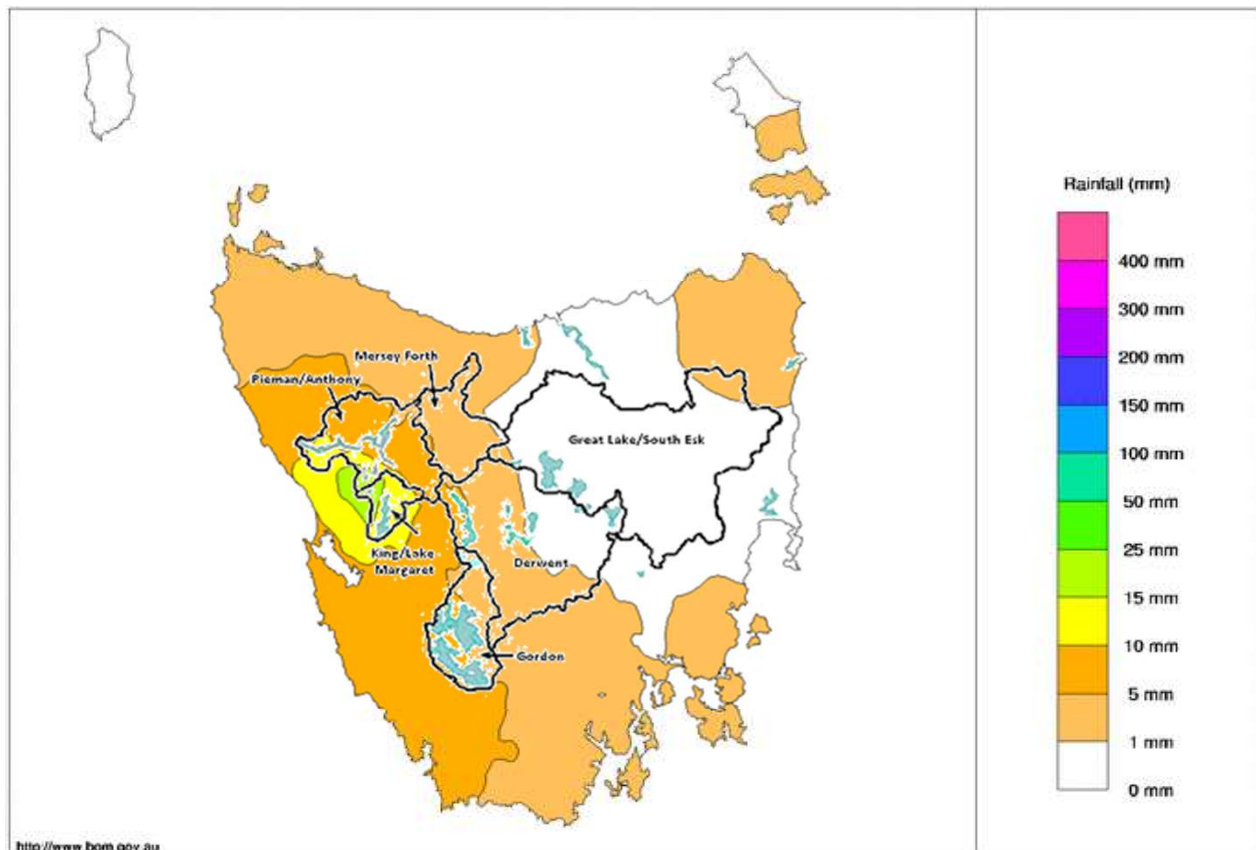


Tasmanian rainfall for the week

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

Tasmanian Rainfall Totals (mm)

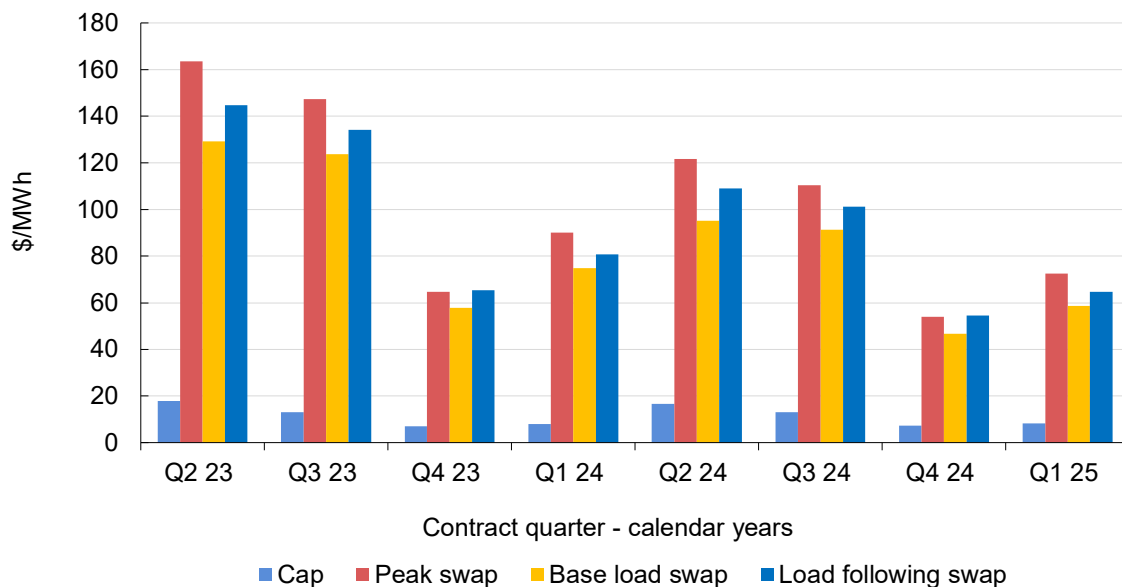
Week Ending 18 February 2023



Wholesale Electricity Market Contract Regulation

To help you understand the information in this section, please refer to the [Regulator's Wholesale Pricing page](#) available on the Office of the Tasmanian Economic Regulator's website.

Prices in approved financial contracts offered by Hydro Tasmania as at 15 February 2023



Traffic Light Indicators

The traffic light indicators advise market participants of the availability of energy for Regulator-approved contracts under the Wholesale Contract Regulatory Instrument in each of the eight forward quarters in which Hydro Tasmania is required to offer approved contracts.

For more information on the role of the traffic light indicators, please refer to the Market Watch Readers Guide available on the Office of the Tasmanian Economic Regulator's website.

	Capacity	Energy	Active Contract Quarter
Q2 23	Red	Red	Yes
Q3 23	Green	Green	Yes
Q4 23	Green	Green	Yes
Q1 24	Green	Green	Yes
Q2 24	Green	Green	Yes
Q3 24	Green	Green	Yes
Q4 24	Green	Green	Yes
Q1 25	Green	Green	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 'Market Watch Reader Guide' for definitions of terms and an overview of the data and charts used in this weekly bulletin.