



TASMANIAN ENERGY SECURITY

Monthly Dashboard



June 2018 edition

Report addresses energy security status as of May 2018

Energy in storage

Energy in storage as at end of May: **37.7%**

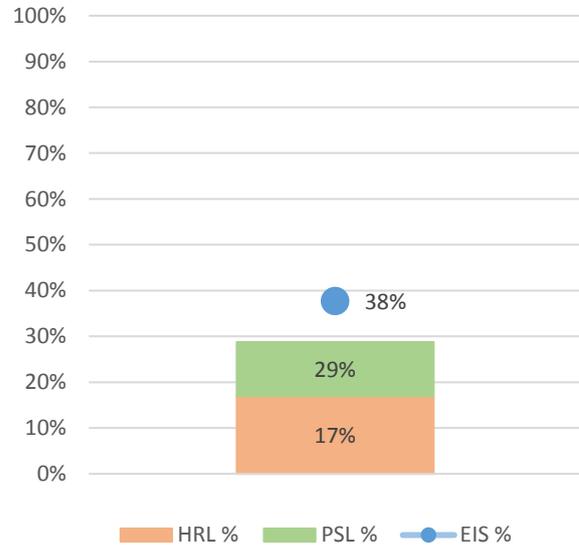
Energy in storage equivalent to 6.0 months average demand*

Energy in storage is above Prudent Storage Level

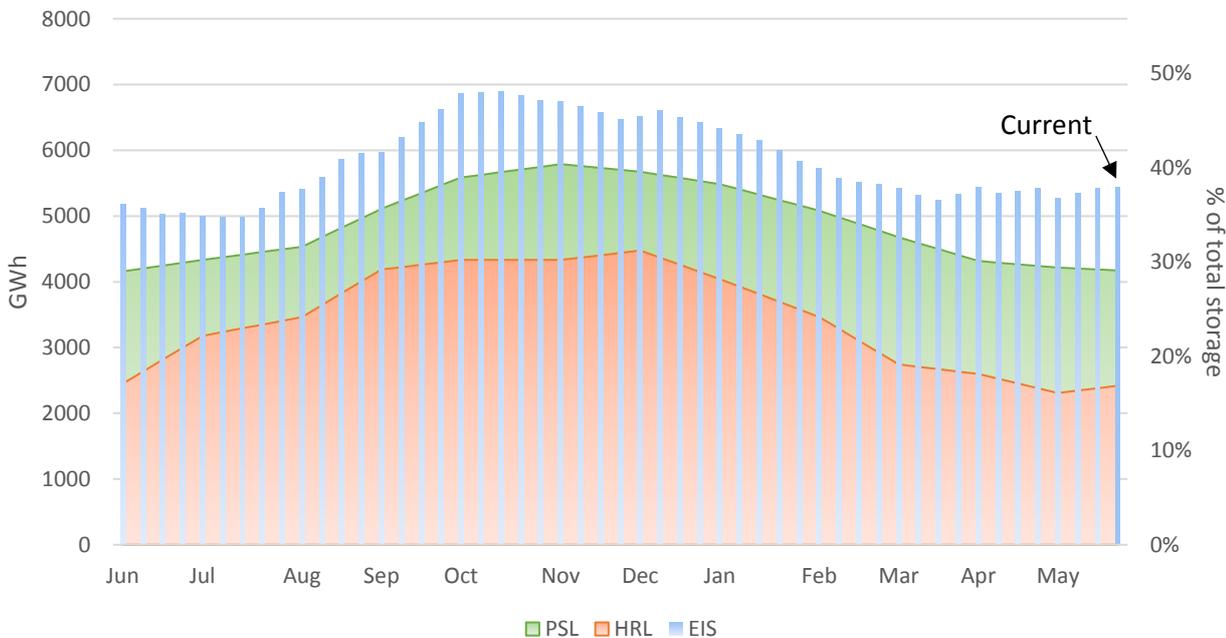
Commercial operation of Hydro Tasmania generation

*Average monthly demand is 900 GWh. Demand in summer months is generally below average. Demand in winter months is generally above average.

Energy in storage - May



Energy in storage - 12 monthly trend



HRL = High Reliability Level (reserve energy supply threshold, sufficient to supply Tasmanian demand for six months under extreme operating conditions).

PSL = Prudent Storage Level (additional storage to reduce the likelihood of entering the HRL under normal operating conditions).

EIS = Energy In Storage (relates to the volume of water in Hydro Tasmania's dams).

Energy security forecast

Based on information provided by Hydro Tasmania, the Monitor and Assessor estimates that it is highly probable Tasmanian hydro storages will remain above the High Reliability Level over the next 90 days, assuming average conditions.

Hydro Tasmania reports that storages remain above the High Reliability Level over the next 90 days in all of its simulated inflow sequences.

Basslink interconnector

Basslink interconnector status: Resumed operation on 5 June 2018

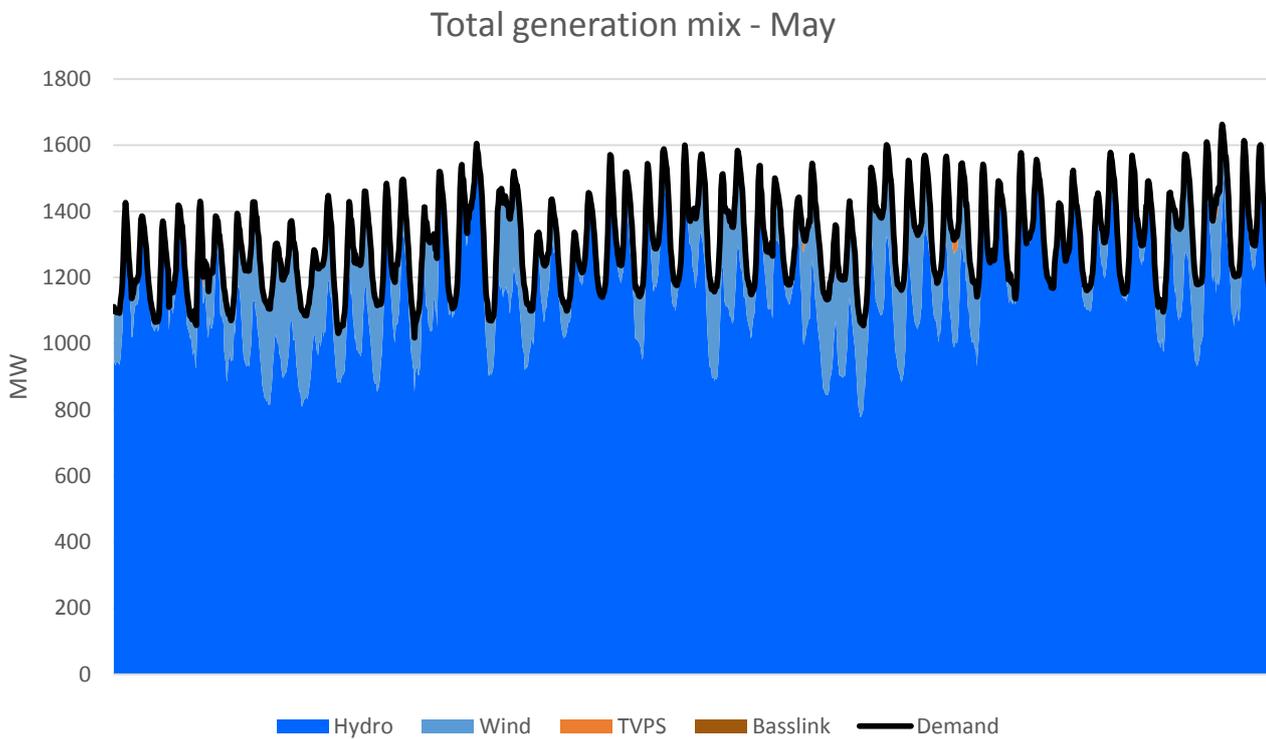
Basslink import during May: 0.0 GWh

Tamar Valley Power Station

Tamar Valley Power Station (TVPS) status: Operational - small amount of generation from peaking units

TVPS generation during May: 0.6 GWh

Monthly generation mix



Hydro generation, supplemented by wind, provided nearly all energy required to meet Tasmanian demand during May.

Note: On this chart, any generation above the black line (illustrating Tasmanian demand) denotes energy being exported via Basslink.

Key statistics - May

Average energy in storage 5369.1 GWh

Previous month 5393.5 GWh

Monthly change 24.4 GWh ↓

Total inflow to Hydro Tasmania storages 1051.0 GWh

Tasmanian demand 972.4 GWh

On island generation

Hydro generation 859.9 GWh

Wind generation 111.9 GWh

Gas generation (TVPS) 0.6 GWh

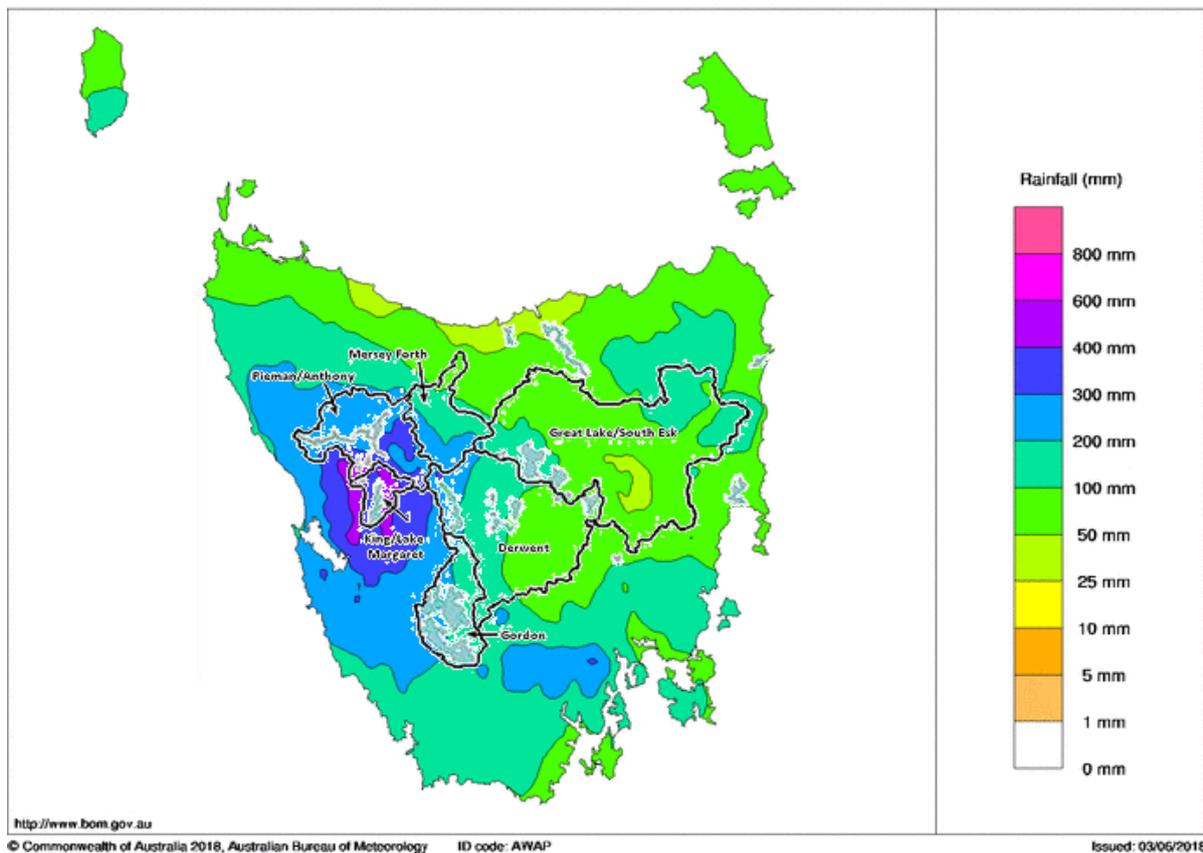
Basslink activity

Basslink import 0.0 GWh

Basslink export 0.0 GWh

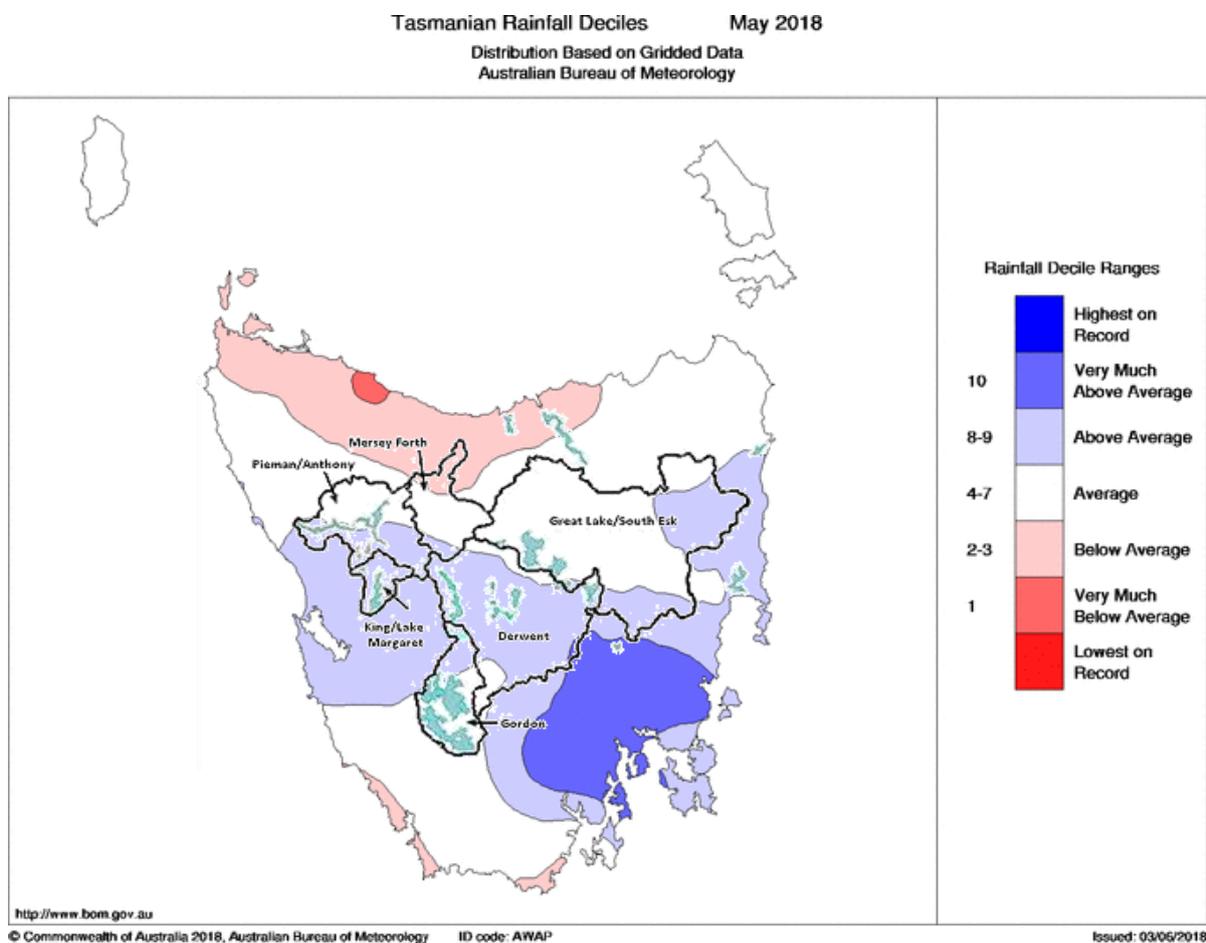
Rainfall in Tasmania - May

Tasmanian Rainfall totals (mm) May 2018
Australian Bureau of Meteorology



The Bureau of Meteorology reports that, in May, there was record-breaking rain in the southeast overnight from the 10th to 11th, but total rainfall was below average in the north.

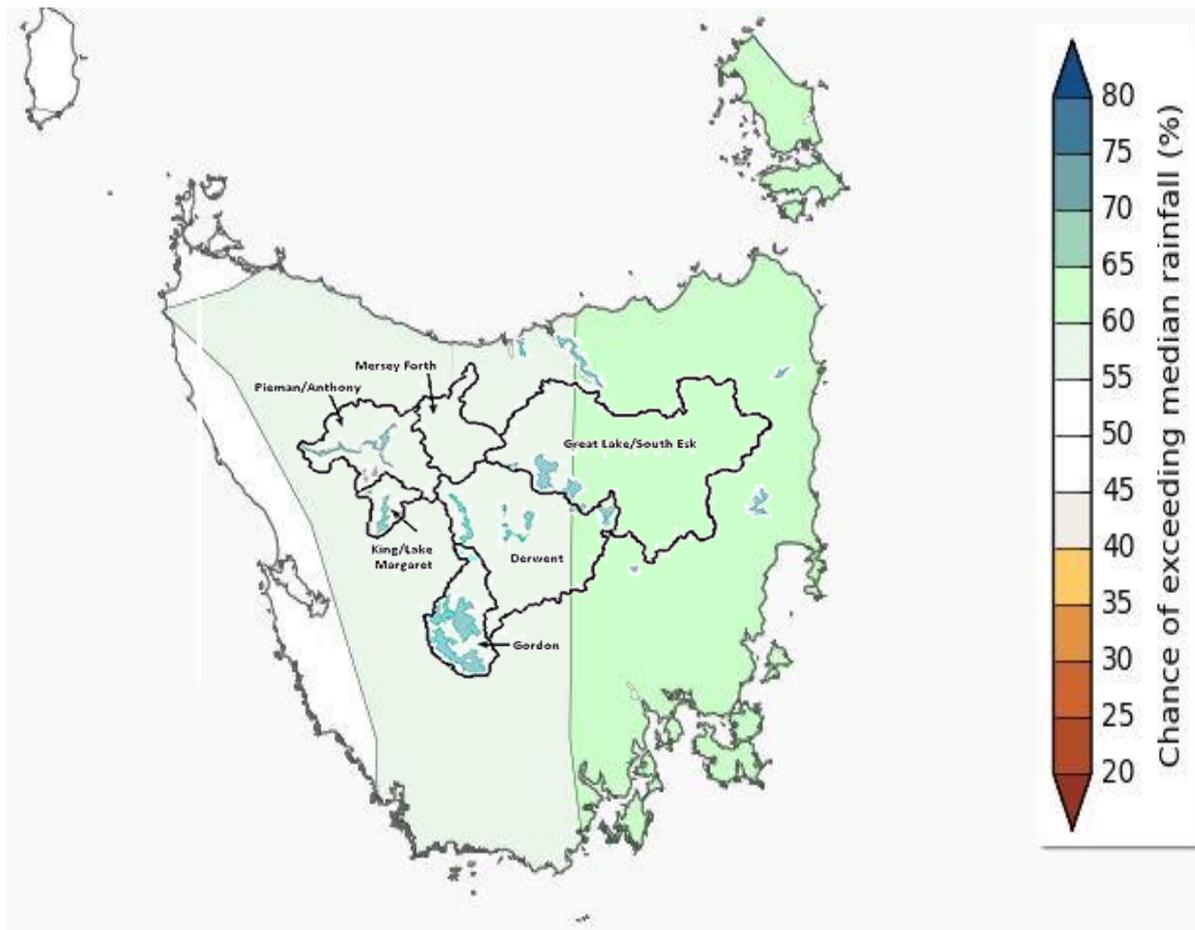
Rainfall in Tasmania - trends



Heavy rain ensured that most of the southeastern third of the State had above average rainfall for May; for several sites it was their wettest May since 1958 or in some cases their wettest May on record. The majority of Hydro Tasmania's catchments experienced average or above average rainfall.

Following above average rainfall in Tasmania in recent months, serious to severe rainfall deficiencies remain limited to a narrow strip on the east coast and a small area in the north west. The areas that the Bureau of Meteorology has identified as experiencing rainfall deficiencies have no overlap with Hydro Tasmania's catchment areas.

Rainfall in Tasmania - three month forecast



Data relates to the chance of exceeding median rainfall over the next three months.

>50% chance of exceeding median = likely to receive above average monthly rainfall

<50% chance of exceeding median = likely to receive below average monthly rainfall

50% chance of exceeding median = likely to receive average monthly rainfall

The Tasmanian Economic Regulator (TER) publishes these monthly dashboards in its role as Tasmanian Energy Security Monitor and Assessor. The TER welcomes any comments or suggestions as to how it might develop this publication in future to make it more valuable to readers.

Please provide feedback by email with the topic line 'Monitor and Assessor Monthly Dashboard' to office@economicregulator.tas.gov.au

Disclaimer: This report has been prepared in good faith using information sourced from NEM Review™ and the Australian Bureau of Meteorology, with additional data provided by Hydro Tasmania. The Office of the Tasmanian Economic Regulator assumes no liability as to the reliability and accuracy of the information provided.