



# TASMANIAN ENERGY SECURITY

## Monthly Dashboard



July 2018 edition

Report addresses energy security status as of June 2018

### Energy in storage

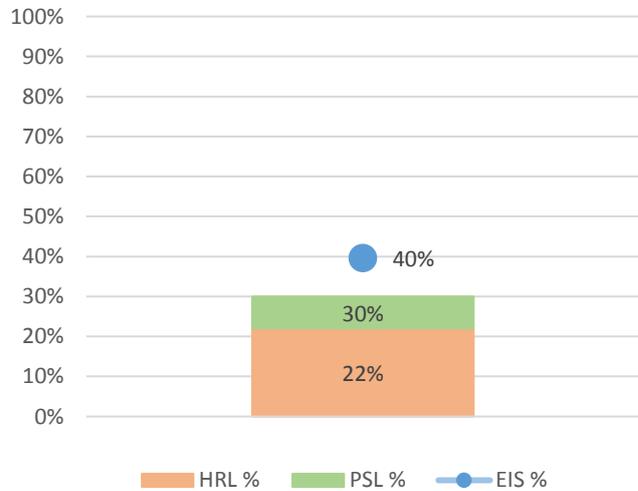
Energy in storage as at end of June: **39.6%**

Energy in storage equivalent to 6.3 months average demand\*

Energy in storage is above Prudent Storage Level

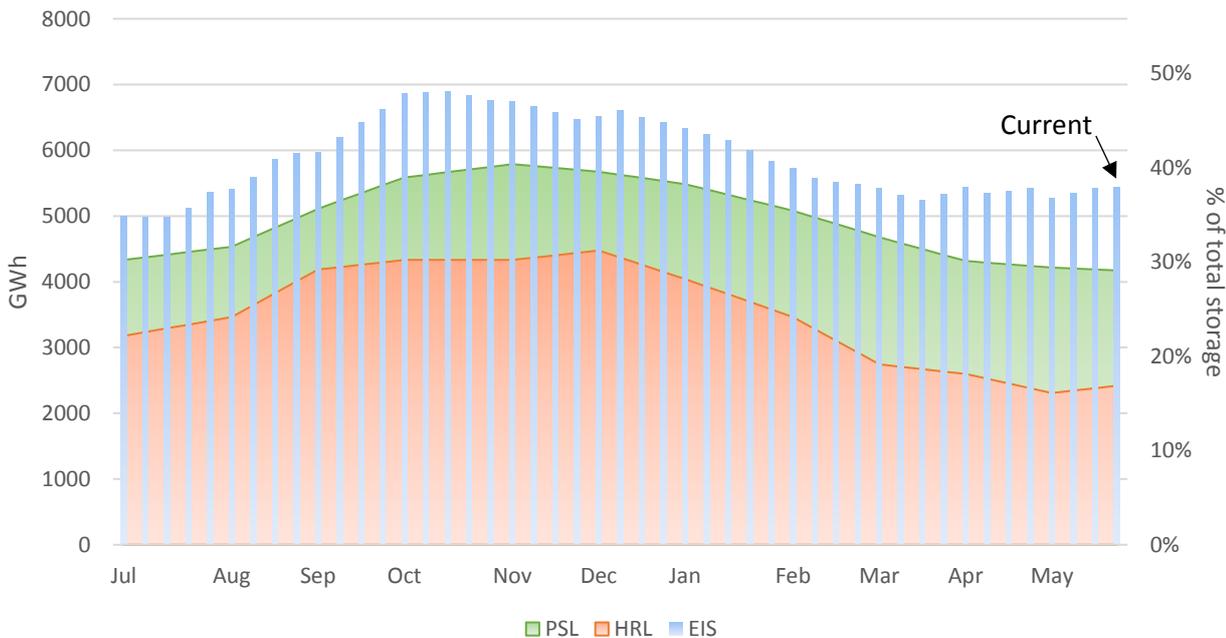
Commercial operation of Hydro Tasmania generation

Energy in storage - June



\*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 - 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: Operational

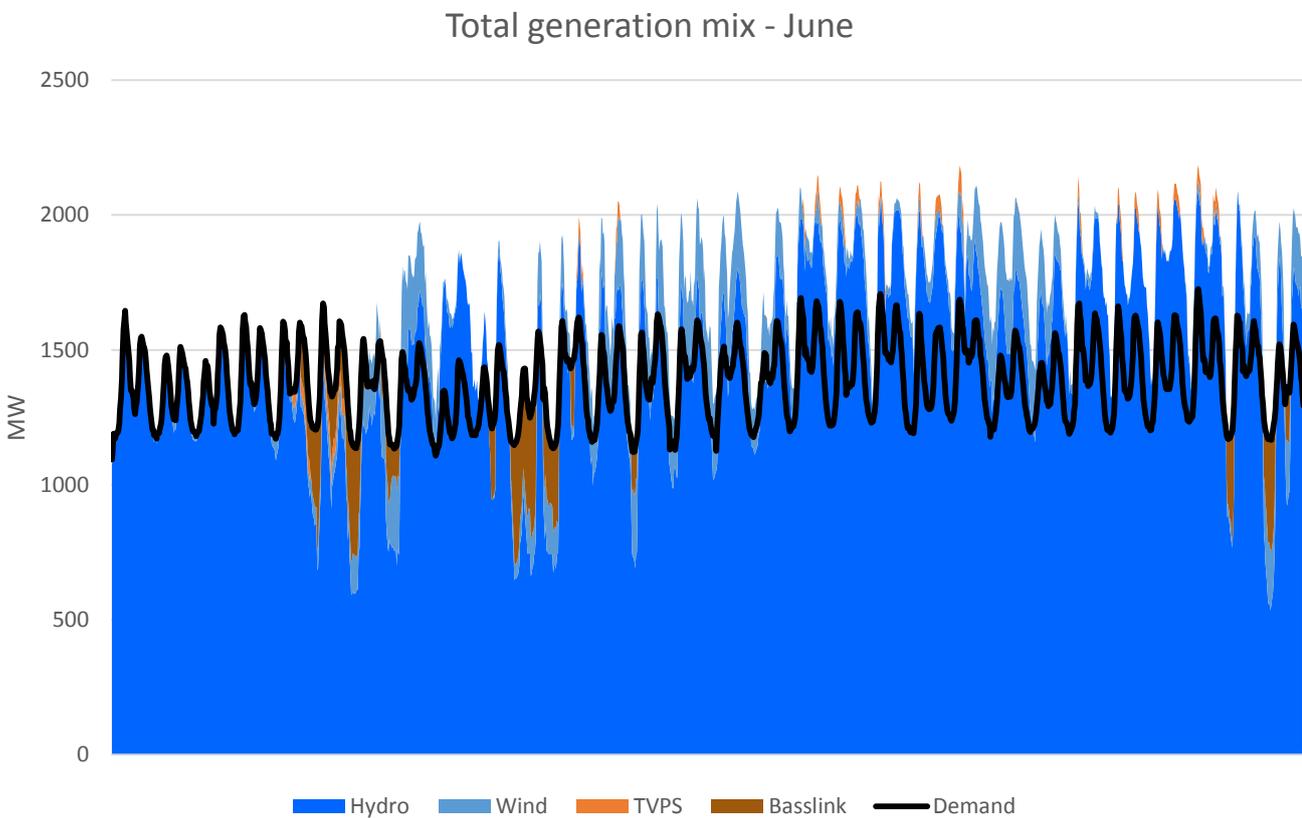
Basslink import during June: 27.3 GWh

## Tamar Valley Power Station

Tamar Valley Power Station (TVPS) status: Operational

TVPS generation during June: 4.9 GWh

## Monthly generation mix



Hydro generation, supplemented by wind, provided nearly all energy required to meet Tasmanian demand during June. Basslink provided additional supply as required.

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

## Key statistics - June

Average energy in storage 5578.7 GWh

Previous month 5369.1 GWh

Monthly change 209.6 GWh ↑

Total inflow to Hydro Tasmania storages 1240.0 GWh

Tasmanian demand 1000.7 GWh

### On island generation

Hydro generation 1064.7 GWh

Wind generation 78.3 GWh

Gas generation (TVPS) 4.9 GWh

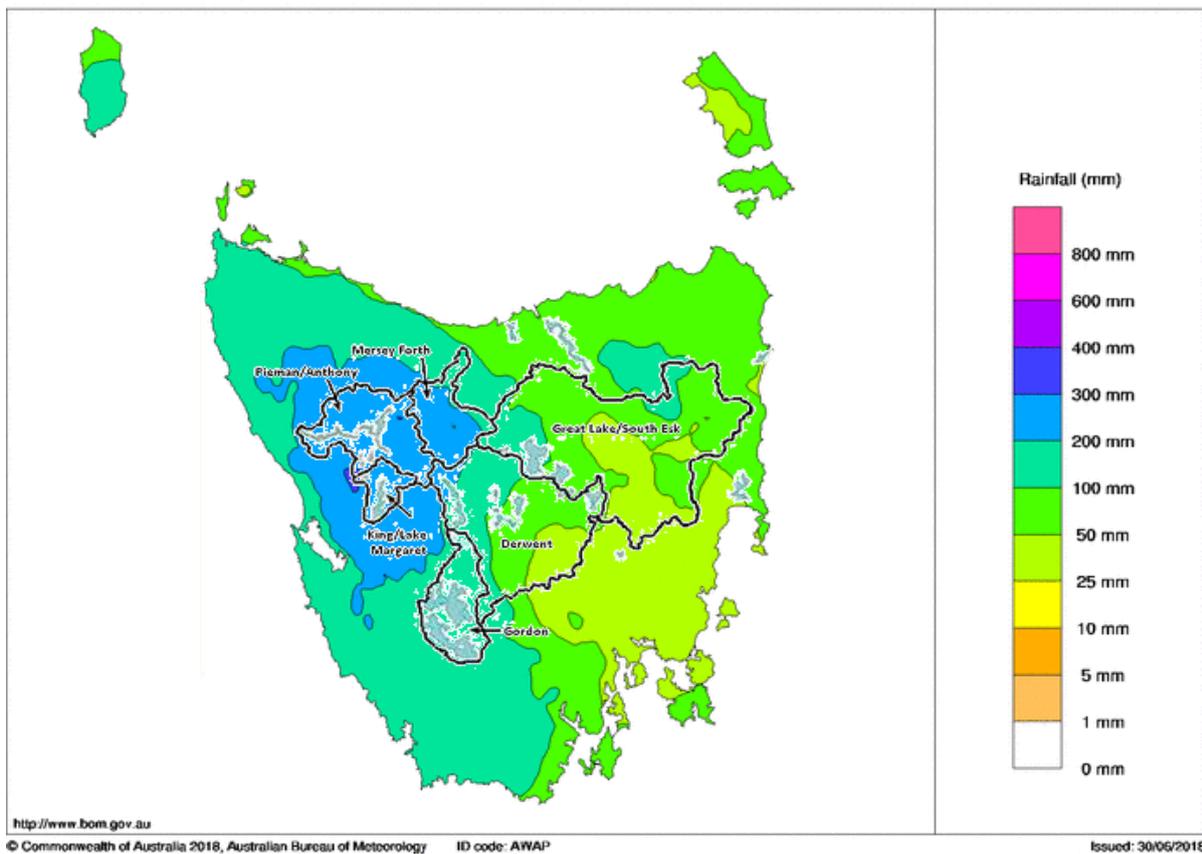
### Basslink activity

Basslink import 27.3 GWh

Basslink export 174.6 GWh

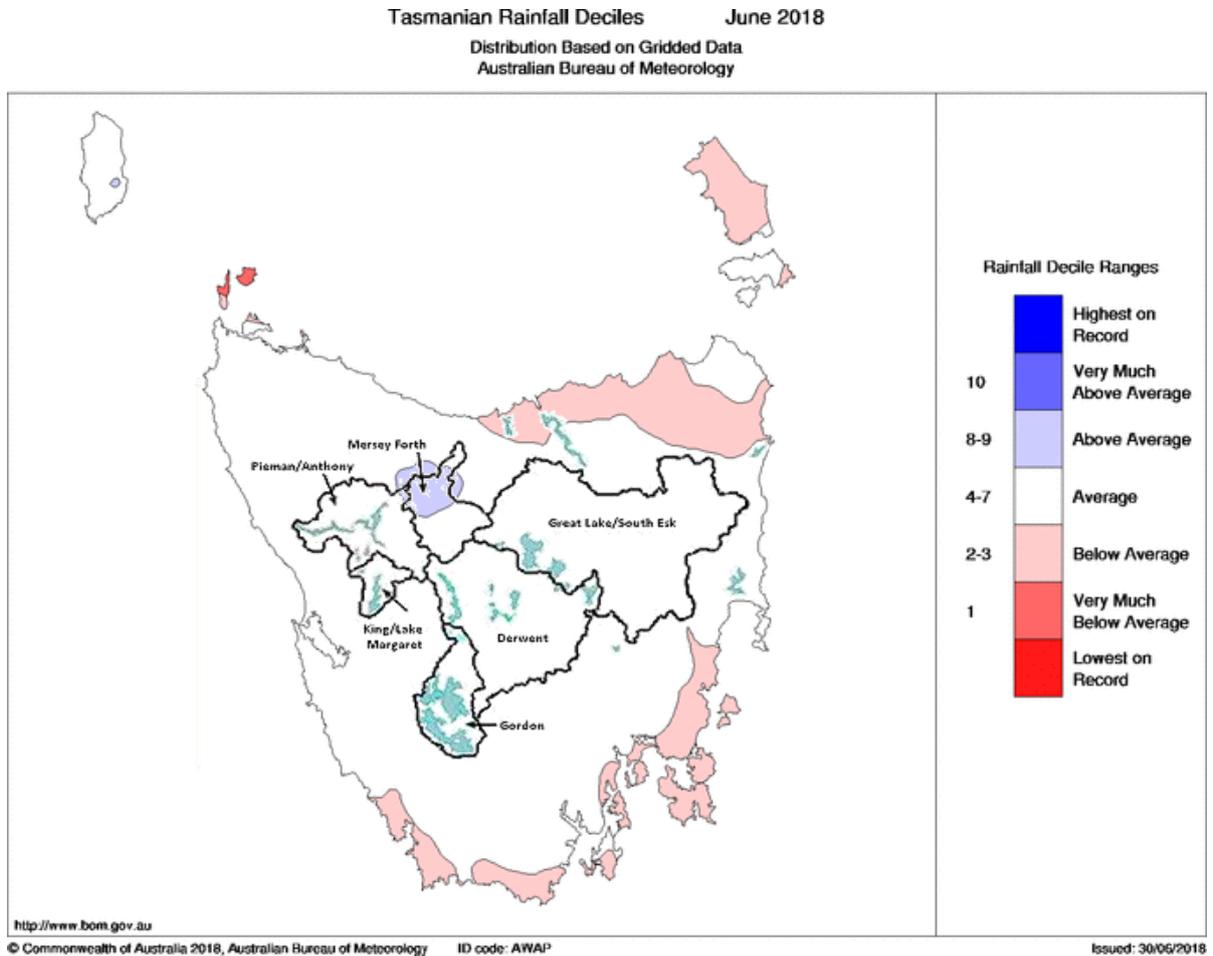
## Rainfall in Tasmania - June

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



Tasmania's total rainfall for the month was almost double that received in June 2017, but less than half that from June 2016, and about 3 per cent below the June average. Except in the west (which had rain on most days), there was very little rain before the 8th and mostly only light falls from the 18th to the 28th.

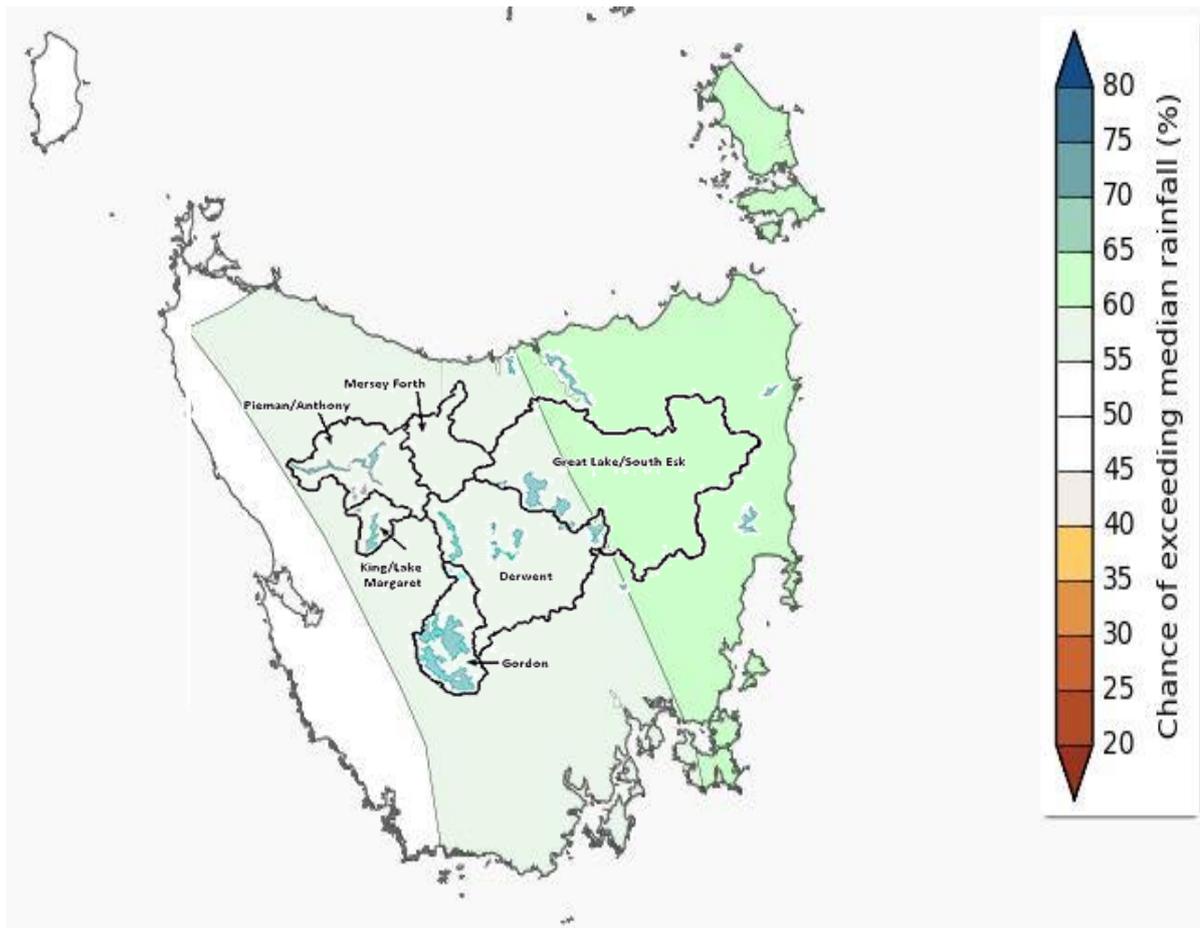
## Rainfall in Tasmania - trends



The Bureau of Meteorology reports that, in June, rainfall was close to average for much of Tasmania, but below average in the northeast and near the southeast and south coasts.

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](mailto: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.*