



# TASMANIAN ENERGY SECURITY Monitor and Assessor



## Monthly Dashboard

October 2018 edition

Report addresses energy security status as at the beginning of October 2018

### Status

Energy in storage is above Prudent Storage Level

Energy in storage equivalent to 7.9 months average demand\*

Risk response<sup>^</sup>: Normal. Commercial operation of Hydro Tasmania generation  
Hydro Tasmania reports that storages remain above the High Reliability Level over the next 90 days in all of its simulated inflow sequences.

Energy security assessment:

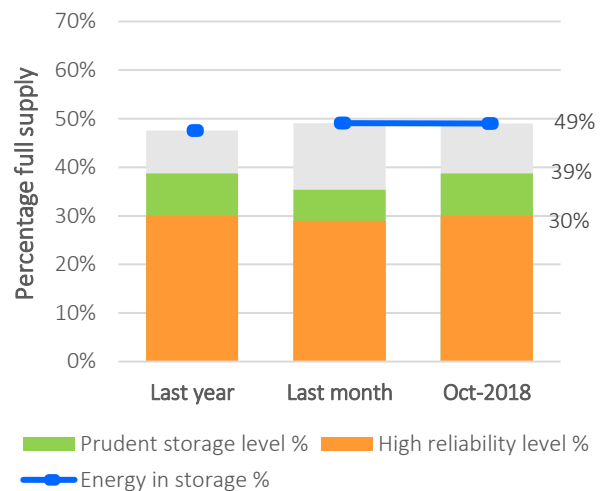
No additional monitoring activities required

### Energy in storage

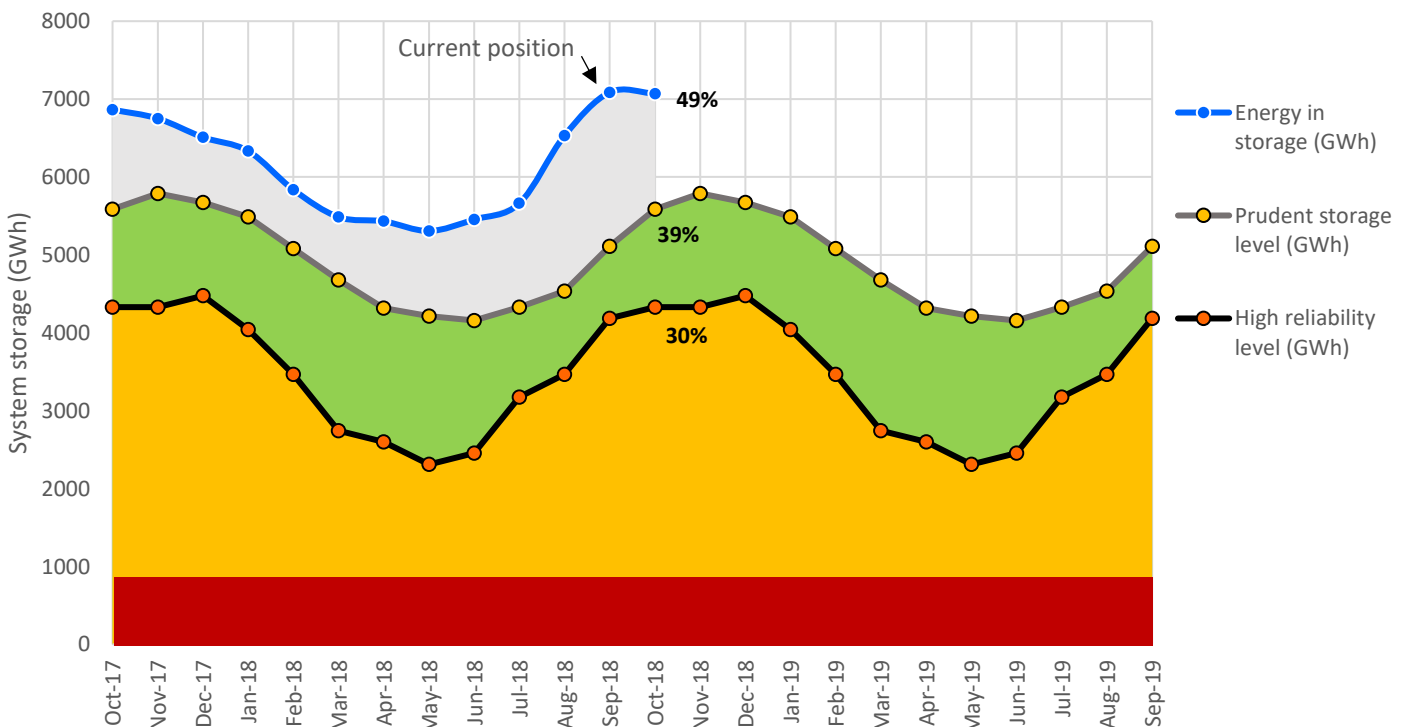
	System	PSL	HRL
Beginning of this month (GWh)	7071	5587	4331
Percentage full supply	49.0%	39%	30%
Total September inflows (GWh)	1057		
Beginning of last month (GWh)	7087		
Change from last month (GWh)	-0.2%	↓	
Compared to last year (GWh)	3%	↑	

System (14437 GWh) - excludes Lake Gardiner, Lake Margaret & Lake Plimsol

### Energy in storage - status



### Energy in storage - 24 month



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

<sup>^</sup> Energy security risk response framework, Tasmanian Energy Security Taskforce Final Report, August 2017. (click for link)

HRL = High Reliability Level (minimum threshold, sufficient to meet Tasmanian demand for six months).

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

EIS = Energy In Storage (the volume of water in Hydro Tasmania's dams as a % of full supply).

## September statistics

### Tasmanian generation during September

Tasmanian monthly demand 934.9 GWh

#### Renewable generation

Hydro generation 1075.1 GWh

Wind generation 103.3 GWh

#### Tamar Valley Power Station

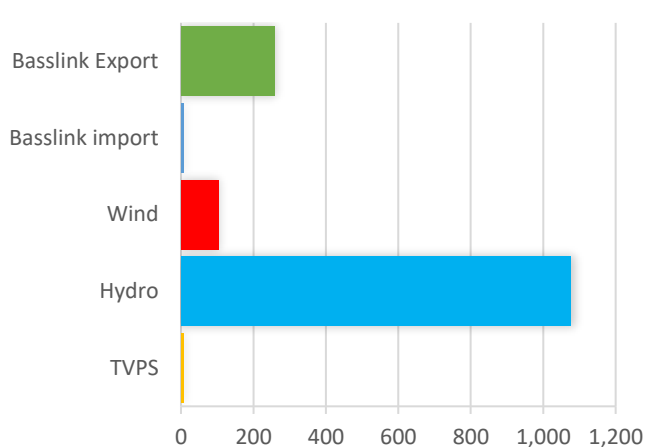
Operational  
TVPS generation 7.6 GWh

#### Basslink interconnector

Operational  
Basslink import 6.8 GWh

Basslink export 257.9 GWh

### Monthly generation mix



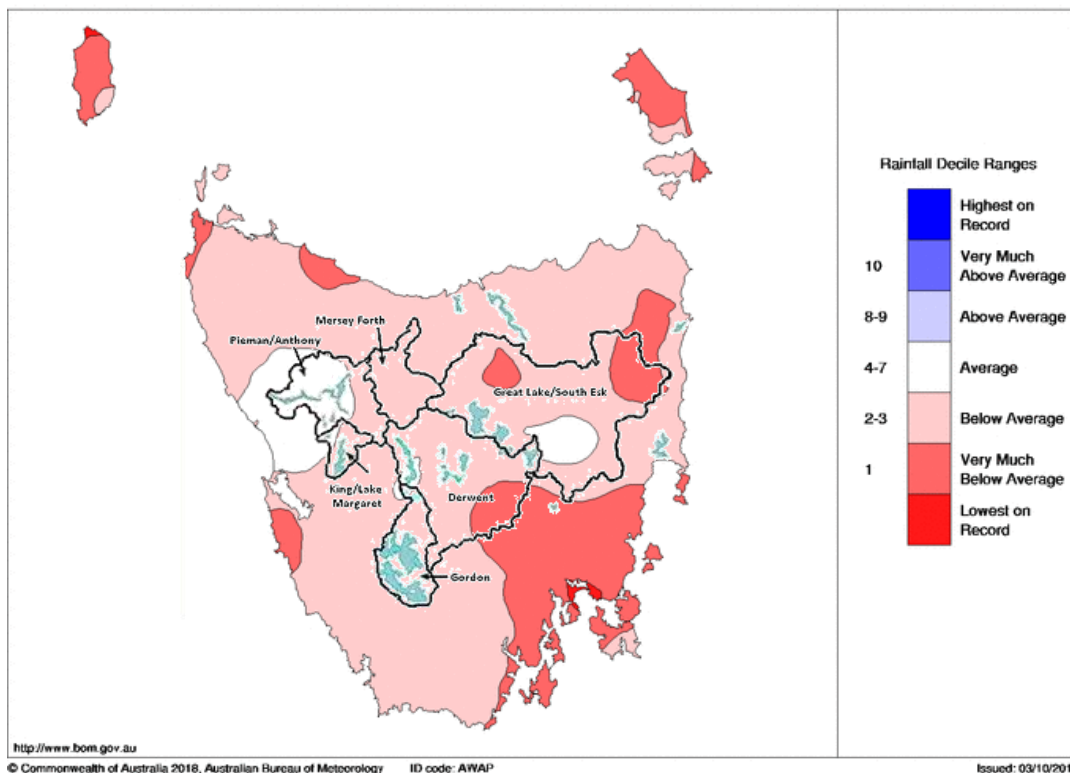
Hydro generation, supplemented by wind, provided nearly all energy required to meet Tasmanian demand during September.

## Energy security outlook

### Rainfall in Tasmania - September

The Bureau of Meteorology's monthly climate summary for September reports that September was dry right across Tasmania, with several sites observing either their driest September on record or in more than 20 years. The map below shows rainfall deciles for the month in relation to Hydro's storage catchment areas.

Tasmanian Rainfall Deciles September 2018  
Distribution Based on Gridded Data  
Australian Bureau of Meteorology



Source: Bureau of Meteorology, Monthly Climate Summary for Tasmania (link). <http://www.bom.gov.au>

### Three month forecast

The Bureau of Meteorology's three month climate outlook for October to December 2018, issued 27 September 2018, shows drier than average conditions are likely for Tasmania. Historical outlook accuracy is moderate to high.

Source: Bureau of Meteorology, Monthly Climate Outlook (link).

*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.*