



# TASMANIAN ENERGY SECURITY

## Monitor and Assessor

### Monthly Dashboard



#### January 2019 edition

Report addresses energy security status as at the beginning of January 2019

#### Status

Energy in storage is above Prudent Storage Level

Energy in storage equivalent to 6.5 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.

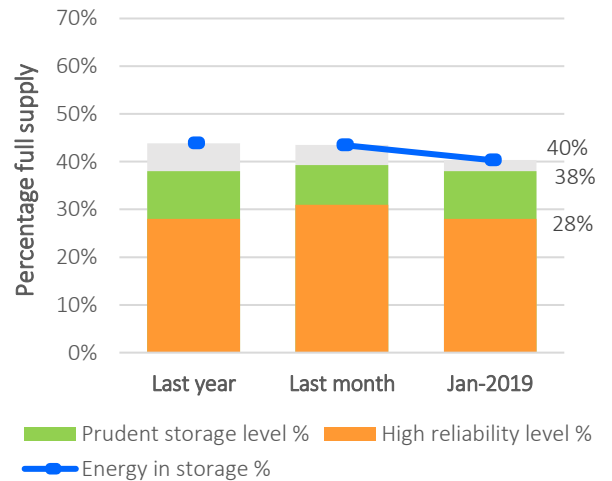
Energy security assessment:

No additional monitoring activities required

#### Energy in storage

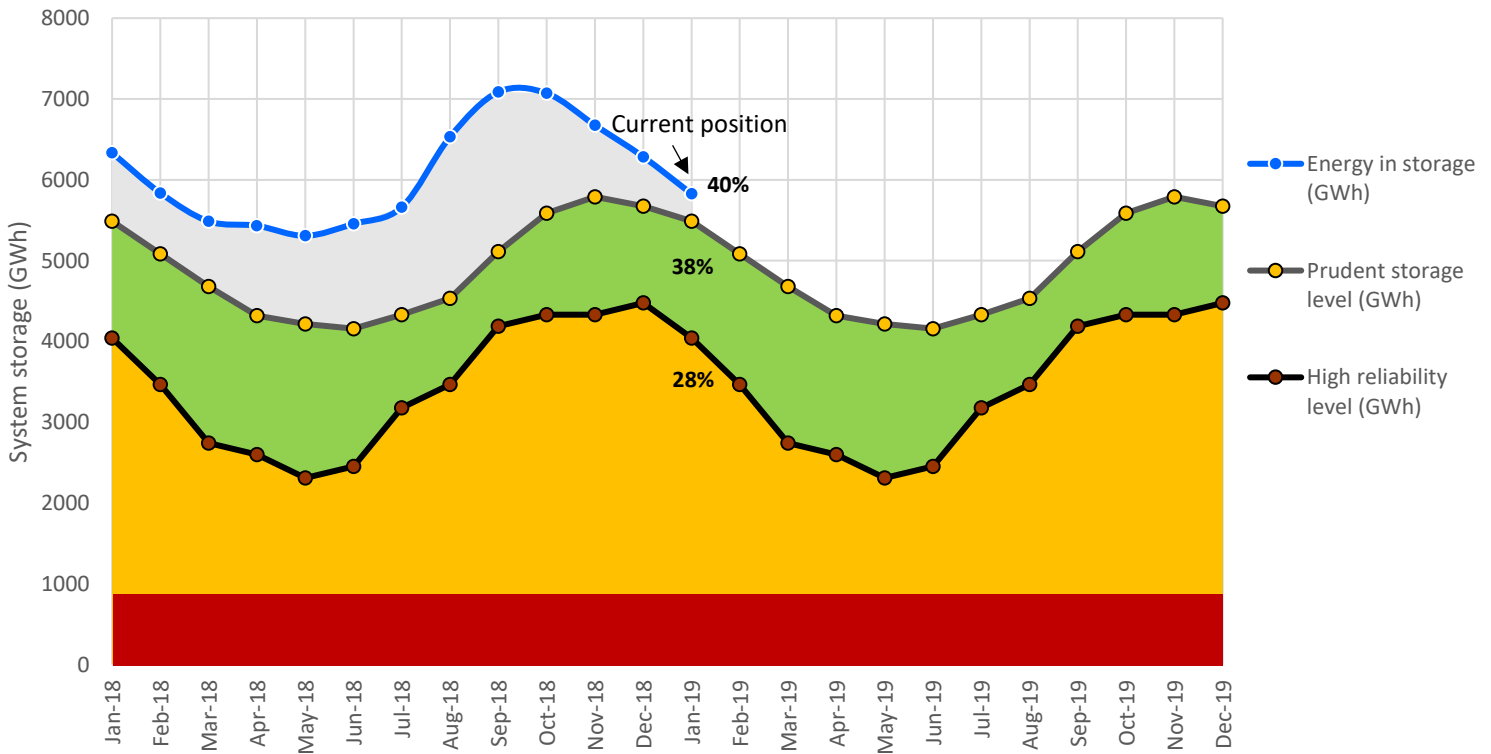
	System	PSL	HRL
Beginning of this month (GWh)	5826	5486	4042
Percentage full supply	<b>40.4%</b>	38%	28%
Total December inflows (GWh)	378		
Beginning of last month (GWh)	6284		
Change from last month (GWh)	-7.3%	↓	
Compared to last year (GWh)	-8%	↓	

#### Energy in storage - status



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

#### 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).

## December statistics

### Tasmanian generation during December

Tasmanian monthly demand 843.7 GWh

### Renewable generation

Hydro generation 848.4 GWh

Wind generation 84.8 GWh

### Tamar Valley Power Station

Operational

TVPS generation 5.5 GWh

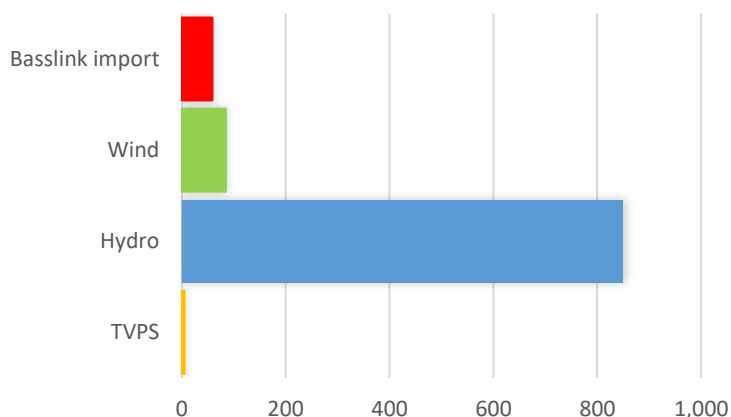
### Basslink interconnector

Operational

Basslink import 59.1 GWh

Basslink export 154.2 GWh

### Monthly generation mix (GWh)



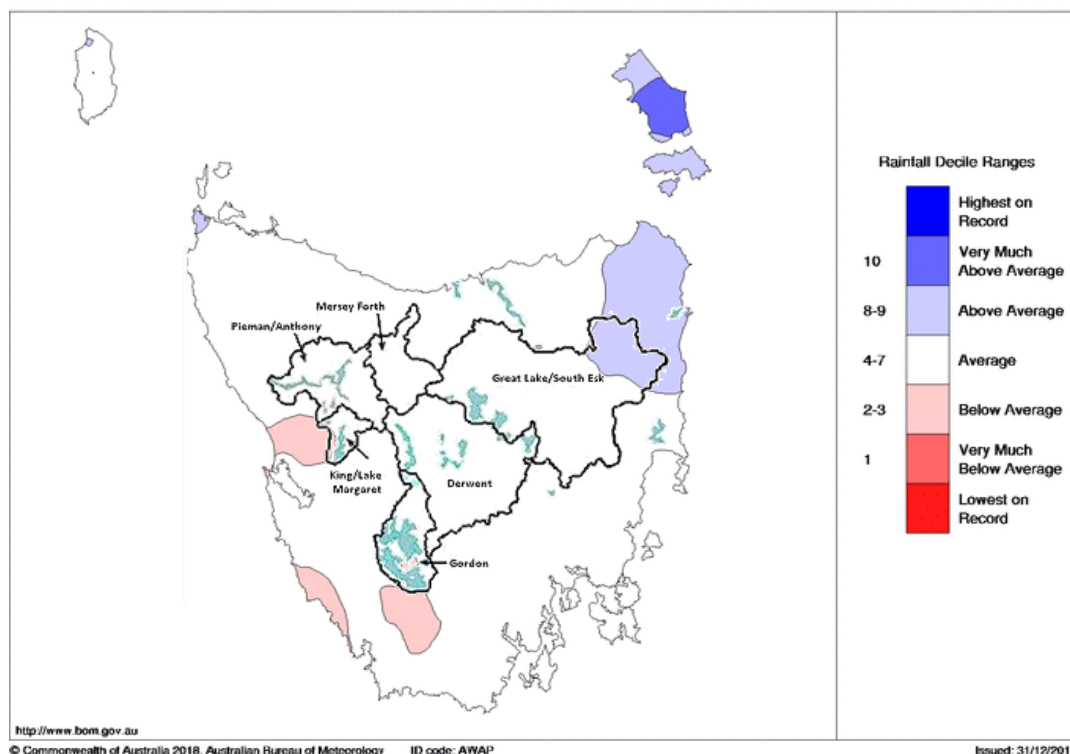
Hydro generation, supplemented by wind, provided nearly all energy required to meet Tasmanian demand during December. TVPS and Basslink provided additional energy as required.

## Energy security outlook

### Rainfall in Tasmania - December

The Bureau of Meteorology's monthly climate summary reports December rainfall was above average in the northeast of Tasmania. Rainfall was average, or below average, for most of Tasmania with the State's total rainfall about 12 per cent below average. The map below shows rainfall deciles for the month in relation to Hydro Tasmania's storage catchments.

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



Source: Bureau of Meteorology, Monthly Climate Summary for Tasmania (link).

### Three month forecast

The Bureau of Meteorology's three month climate outlook for January to March 2019, issued 20 December 2018, shows no strong tendency towards a significantly wetter or drier than average season ahead.

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.*