TASMANIAN ENERGY SECURITY Monitor and Assessor

Monthly Dashboard

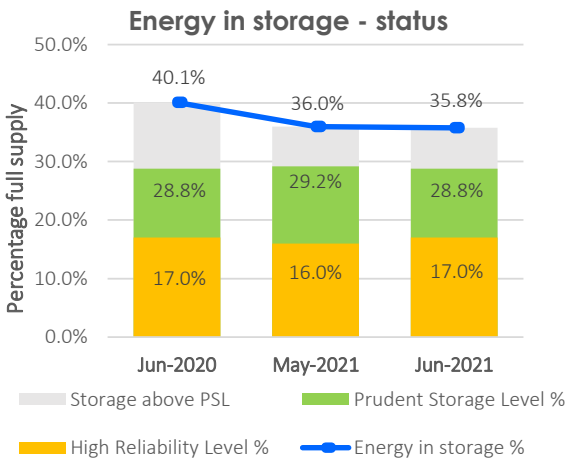
June 2021 edition

Report on energy in storage levels and energy security assessment for mainland Tasmania as at 7 June 2021

Status

Energy in storage remains well above the Prudent Storage Level.
Energy in storage is equivalent to 5.4 months average seasonal demand.^
Risk response: Normal - commercial operation of Hydro Tasmania generation.
Hydro Tasmania reports that storages remain above the High Reliability Level over the next 120 days in all its simulated inflow sequences.

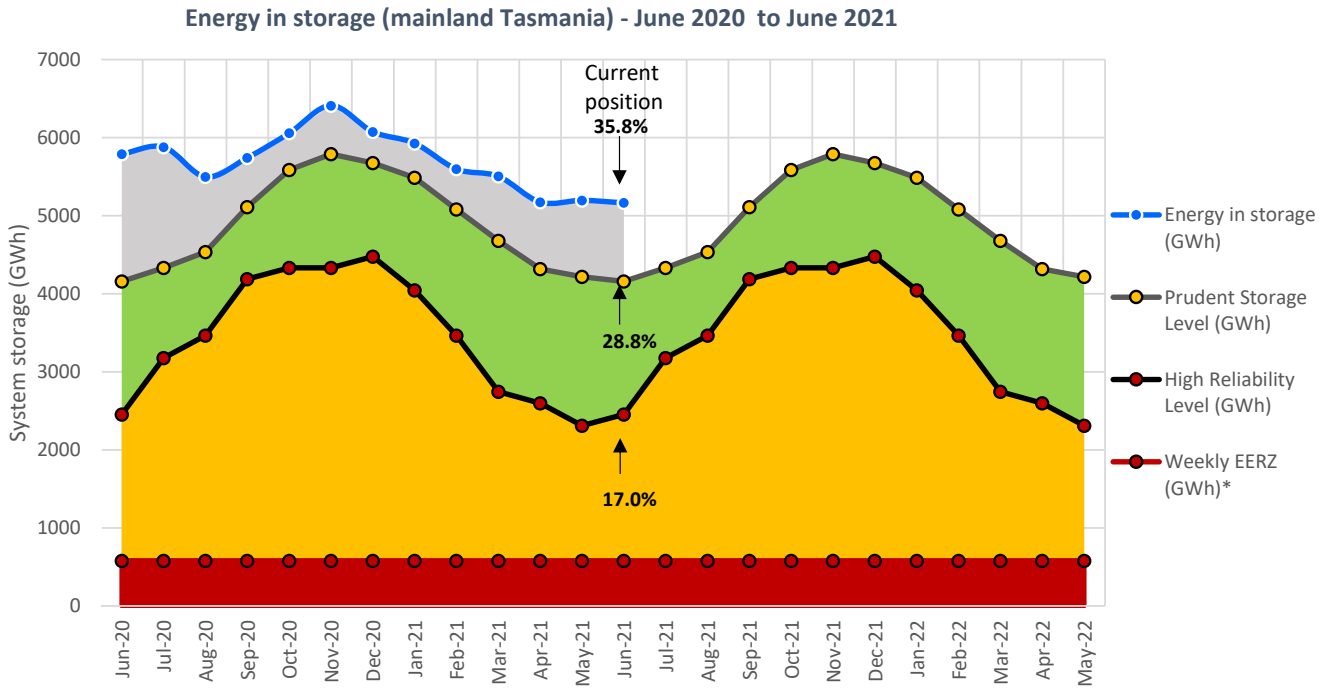
Energy security assessment:
no additional monitoring activities required



Energy in storage (EIS)

	System	PSL	HRL
As at 7 June 2021 (GWh)	5164	4158	2454
Percentage full supply	35.8%	28.8%	17.0%
Total May inflows~ (GWh)	785		
As at 3 May 2021 (GWh)	5196		
Change from last month (GWh)	-0.6%		
Compared to June last year (GWh)	-10.8%		

System (14437 GWh) - excludes Lake Gairdner, Lake Margaret & Lake Plimsoll



^Average seasonal demand for the energy in storage equivalent is approximately 957 GWh per month.
~Inflows for the calendar month.
*System storage associated with Great Lake Environmental Extreme Risk Zone (EERZ).
HRL = High Reliability Level (threshold to which reserve water is held for energy security purposes, where the reserve is sufficient to withstand a six month Basslink outage coinciding with a very low inflow sequence, and avoid extreme environmental risk for Great Lake).
PSL = Prudent Storage Level (additional storage to result in a low likelihood of entering the HRL under normal operating conditions).
EIS = Energy in storage (the volume of water available for electricity generation in Hydro Tasmania's dams as a % of full supply).

May statistics

Mainland Tasmanian generation during May 2021

Tasmanian monthly consumption	961.0 GWh

Renewable generation

Hydro generation	829.0 GWh
Wind generation	160.3 GWh

Gas

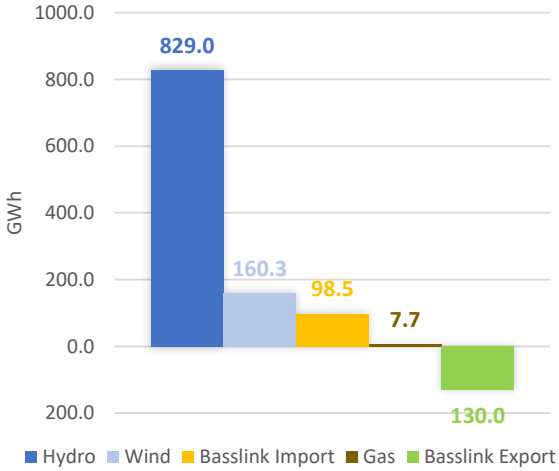
	Operational
Gas generation	7.7 GWh

Basslink flows during May 2021

Basslink interconnector

	Operational
Basslink imports	98.5 GWh
Basslink exports	130.0 GWh
Basslink net exports	31.6 GWh

Mainland Tasmanian generation mix during May 2021



Energy security outlook

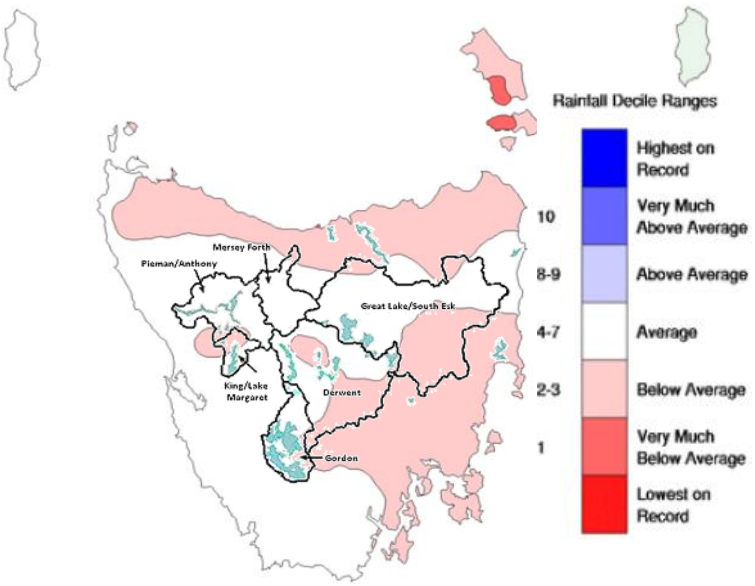
Rainfall in Tasmania - May 2021

Rainfall totals in May were less than average across most of Tasmania, with parts of the north and south-east quarter of the state recording less than 40% of their May average rainfall. May rainfall was 30% below average for the State overall and the lowest since May 2011. Days were warmer than average in the south, but close to average across the north while night-time temperatures were close to average in the south and cooler than average across the north.

Three month forecast

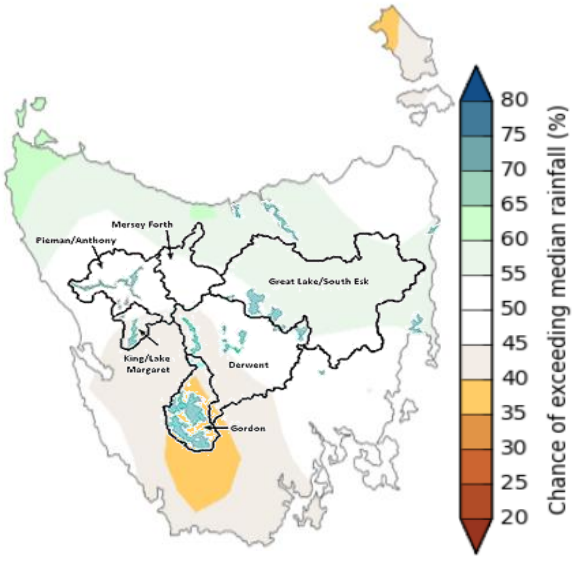
The Bureau of Meteorology's three month climate outlook for June 2021 to August 2021, issued on 3 June 2021, estimates it is more likely than not that rainfall will be at or above the median level in eastern Tasmania, and less likely than not that rainfall in western Tasmania will be above the median level. The catchment with the lowest probability of receiving above the median rainfall is Gordan, with a probability of receiving above average rainfall of approximately 35 per cent.

Monthly Rainfall Deciles for Tasmania 01/05/2021 - 31/05/2021



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

Likelihood of Exceeding the Median Rainfall June to August 2021



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.