



TASMANIAN ENERGY SECURITY Monitor and Assessor



Monthly Dashboard

April 2021 edition

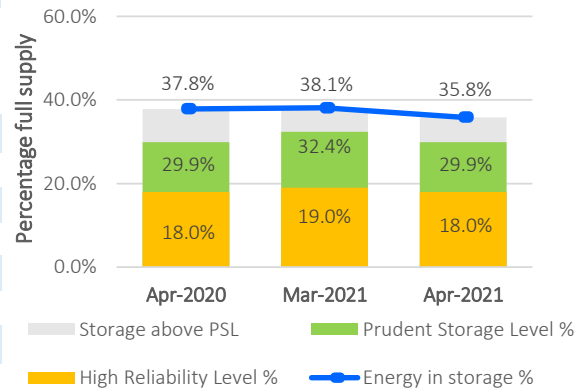
Report on energy in storage levels and energy security assessment for mainland Tasmania as at 5 April 2021

Status

Energy in storage remains 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 - status



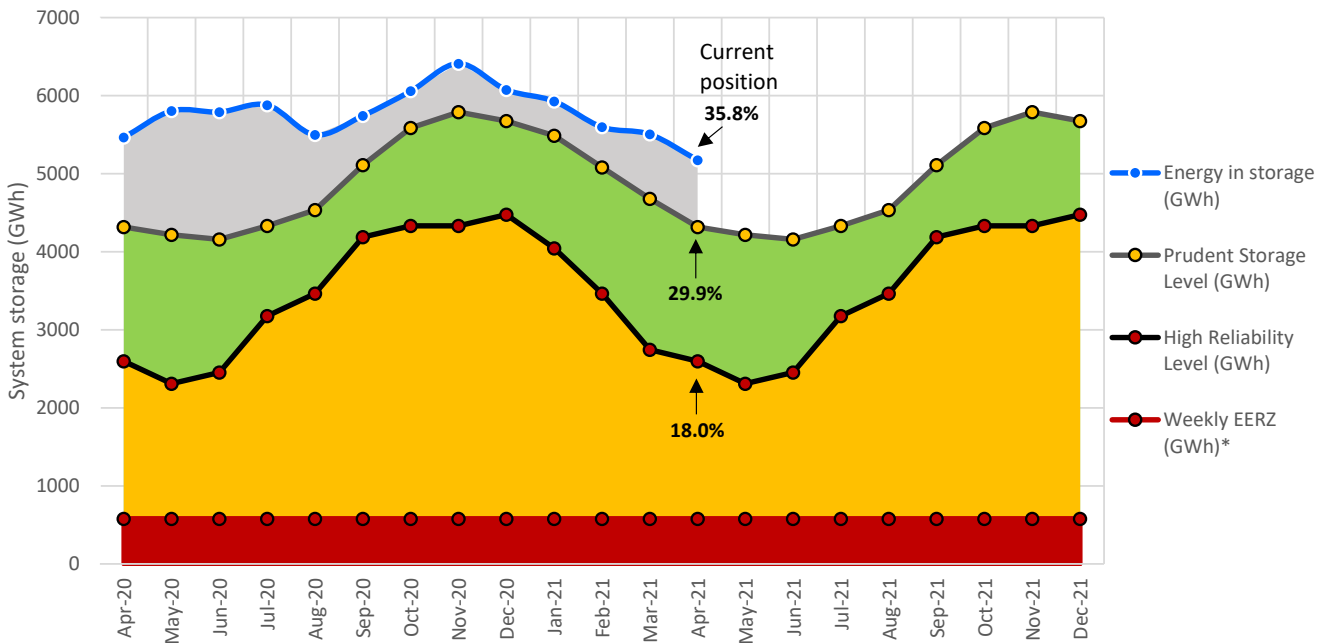
Energy in storage (EIS)

	System	PSL	HRL
As at 5 April 2021 (GWh)	5174	4317	2599
Percentage full supply	35.8%	29.9%	18.0%
Total March inflows [~] (GWh)	348		

As at 1 March 2021 (GWh)	5504
Change from last month (GWh)	-6.0%
Compared to April last year (GWh)	-5.3%

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

Energy in storage (mainland Tasmania) - April 2020 to April 2021



[^]Average seasonal demand for the energy in storage equivalent is approximately 962 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).

March statistics

Mainland Tasmanian generation during March 2021

Tasmanian monthly consumption 840.2 GWh

Renewable generation

Hydro generation 623.1 GWh

Wind generation 164.2 GWh

Gas

Gas generation Operational

Gas generation 0.4 GWh

Basslink flows during March 2021

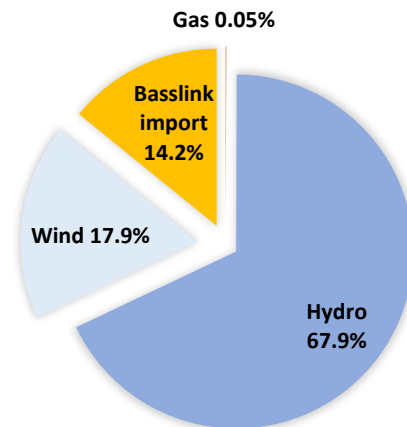
Basslink interconnector Operational

Basslink imports 129.8 GWh

Basslink exports 74.9 GWh

Basslink net imports 55.0 GWh

Mainland Tasmanian generation mix



Energy security outlook

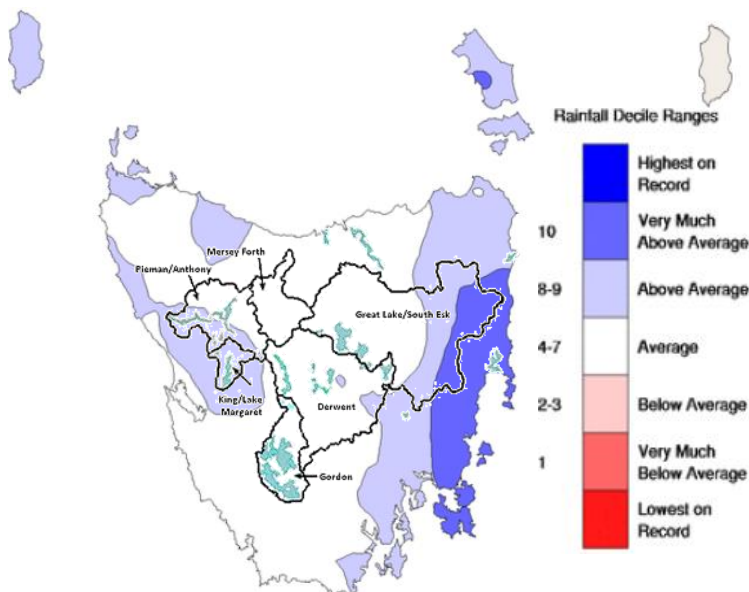
Rainfall in Tasmania - March 2021

March 2021 was wetter than average along the east coast while elsewhere rainfall totals were mostly close to average. Heavy rainfall triggered flash flooding in the east and major riverine flooding in parts of the upper South Esk River catchment in the north-east later in the month. Daytime temperatures were close to average for March overall, while nights were warmer than average across most of the State. March rainfall was 19 per cent above average for the State overall, but lower than in March 2020.

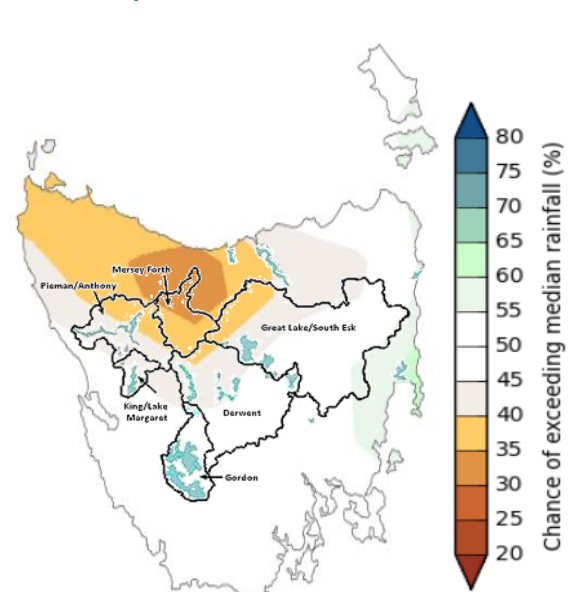
Three month forecast

The Bureau of Meteorology's three month climate outlook for April 2021 to June 2021, issued on 8 April 2021, estimates it is more likely than not that rainfall will be at or above the median level in North-east, and less likely than not that rainfall in North-west Tasmania will be above the median level. The catchments with the lowest probability of receiving above the median rainfall are Mersey-Forth and Pieman, with a probability of approximately 30 and 35 per cent, respectively.

Monthly Rainfall Deciles for Tasmania 01/03/2021 - 31/03/2021



Likelihood of Exceeding the Median Rainfall April to June 2021



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

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.