TASMANIAN ENERGY SECURITY
MONITOR AND ASSESSOR
Monthly Dashboard

February 2024 edition

Report on energy in storage levels and energy security assessment for mainland Tasmania as at 5 February 2024.

Status

- Energy in storage is above the Prudent Storage Level.
- Energy in storage is equivalent to 6.5 months average seasonal demand.^
- Risk response: Normal - commerical operation of Hydro Tasmania generation.
- Hydro Tasmania reports that storages remain above the High Reliability Level over the next 120 days in all of its simulated inflow sequences.

Energy security assessment

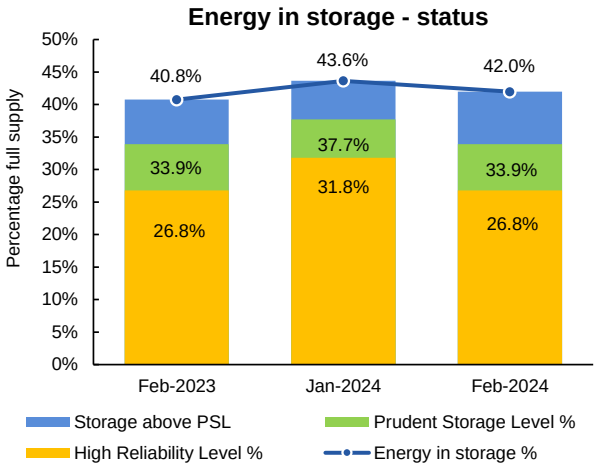
No additional monitoring activities required.

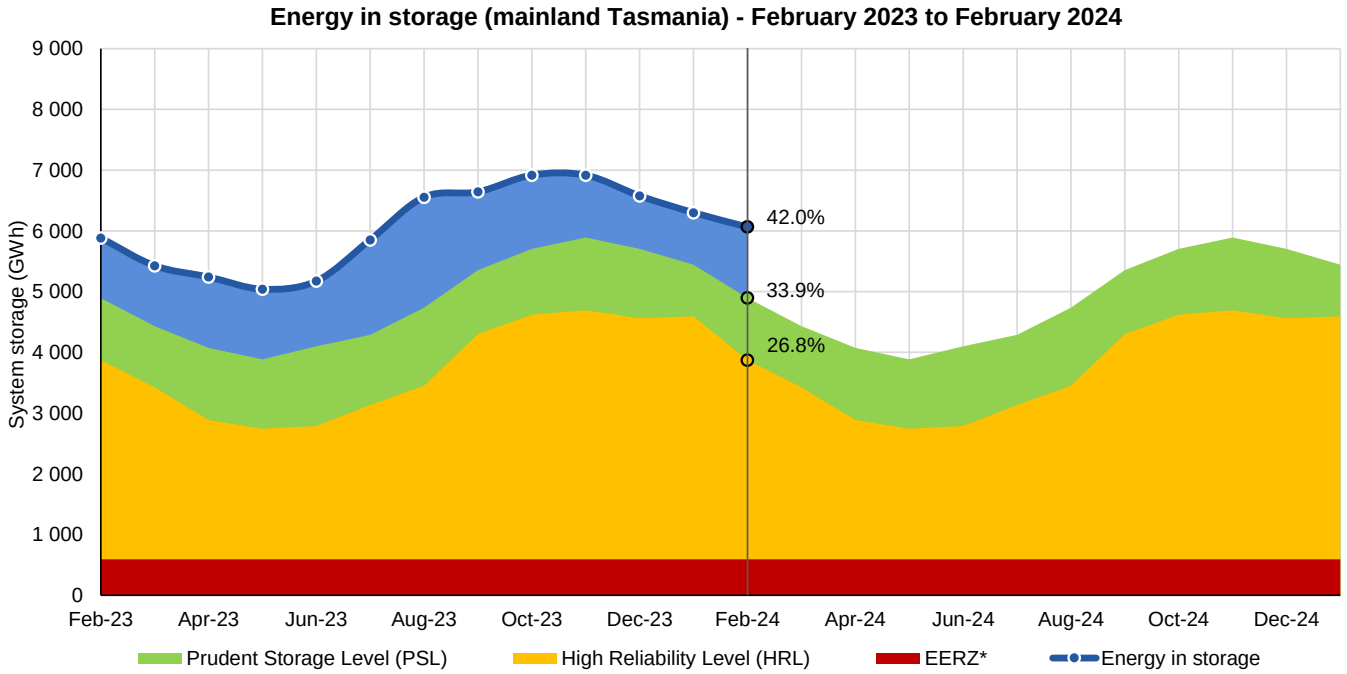
Water storage situation

As at 5 February 2024 (GWh)	System	PSL	HRL
Energy in storage (EIS)	6 064	4 894	3 869
Percentage full supply #	42.0%	33.9%	26.8%
Total January yield~ (GWh)	238		

Comparison

Previous month (as at 1 January 2024) (GWh)	6 300	
Change from last month (GWh)	3.8%	↓
Change from February last year (GWh)	3.1%	↑





^ Average seasonal demand for the energy in storage equivalent is approximately 927 GWh per month.

Total system supply is 14 437 GWh (excludes Lake Gairdner, Lake Margaret and Lake Plimsoll).

~ Inflows for the calendar month minus losses due to evaporation.

* 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).

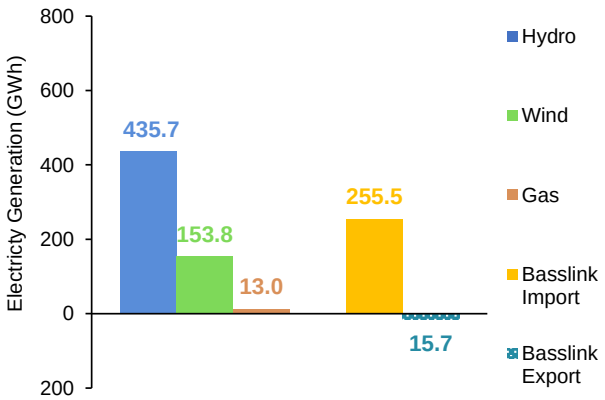
PSL = Prudent Storage Level (additional storage to result in a low likelihood of entering the HRL under normal operating conditions).

EIS = Energy in storage (the volume of water available for electricity generation in Hydro Tasmania's dams as a percentage of full supply).

January 2024 generation (mainland Tasmania)

Consumption	
Tasmanian monthly consumption	842.3 GWh
Renewable generation	
Hydro generation	435.7 GWh
Wind generation	153.8 GWh
Gas generation	*Operational*
Gas generation	13.0 GWh
Basslink interconnector	*Operational*
Basslink imports	255.5 GWh
Basslink exports	15.7 GWh
Basslink net imports	239.8 GWh

Energy generation mix and Basslink flows - January 2024



Energy security outlook

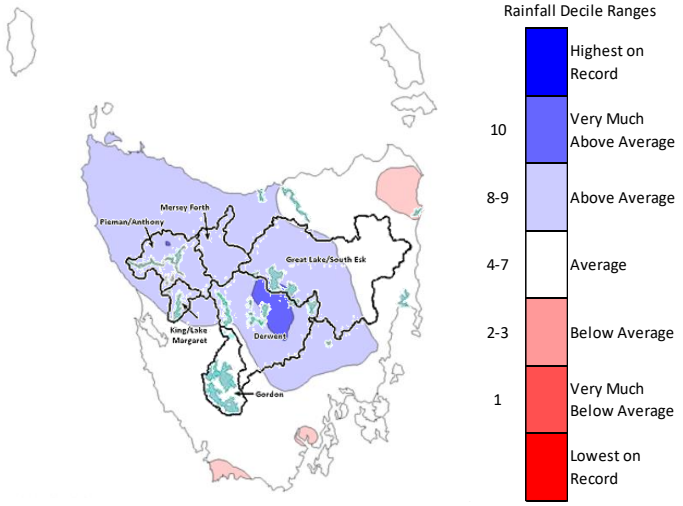
Rainfall in Tasmania - January 2024

Rainfall during January 2024 was above average across all of Hydro Tasmania's catchments, with the exception of Gordon which saw average rainfall. Rainfall across Tasmania was 21 per cent above the January average. The mean maximum temperature in January 2024 was 1.17°C above average.

Three month forecast

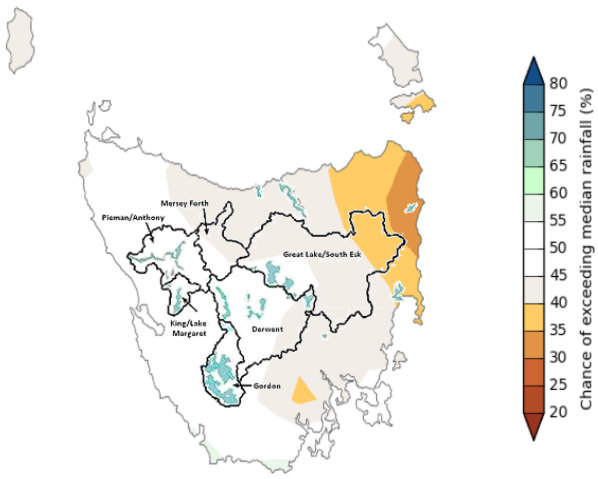
The Bureau of Meteorology's three month climate outlook for February 2024 to April 2024, issued on 6 February 2024, indicates slightly below median rainfall across Hydro Tasmania's Great Lake/South Esk and Mersey Forth catchments, and median rainfall across the remaining catchments.

Monthly rainfall deciles for Tasmania
1 January - 31 January 2024



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

Likelihood of exceeding the median rainfall
February 2024 to April 2024



Source: Bureau of Meteorology, Monthly Climate Outlook.

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.