TASMANIAN ENERGY SECURITY
MONITOR AND ASSESSOR
Monthly Dashboard

November 2023 edition

Report on energy in storage levels and energy security assessment for mainland Tasmania as at 6 November 2023.

Status

- Energy in storage is above the Prudent Storage Level.
- Energy in storage is equivalent to 8 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.

Water storage situation

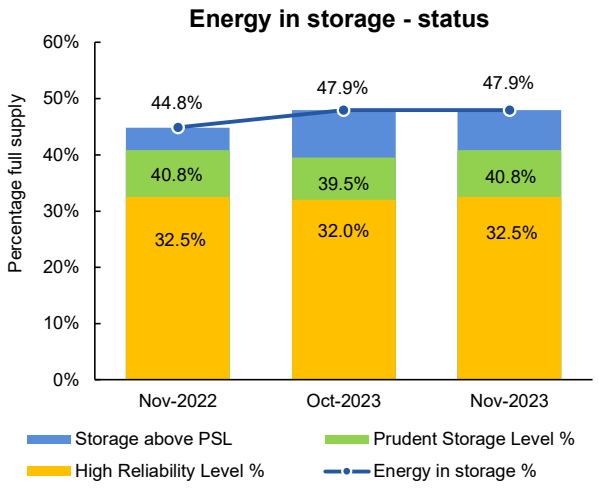
As at 6 November 2023 (GWh)	System	PSL	HRL
Energy in storage (EIS)	6 917	5 890	4 692
Percentage full supply #	47.9%	40.8%	32.5%
Total October yield~ (GWh)	638		

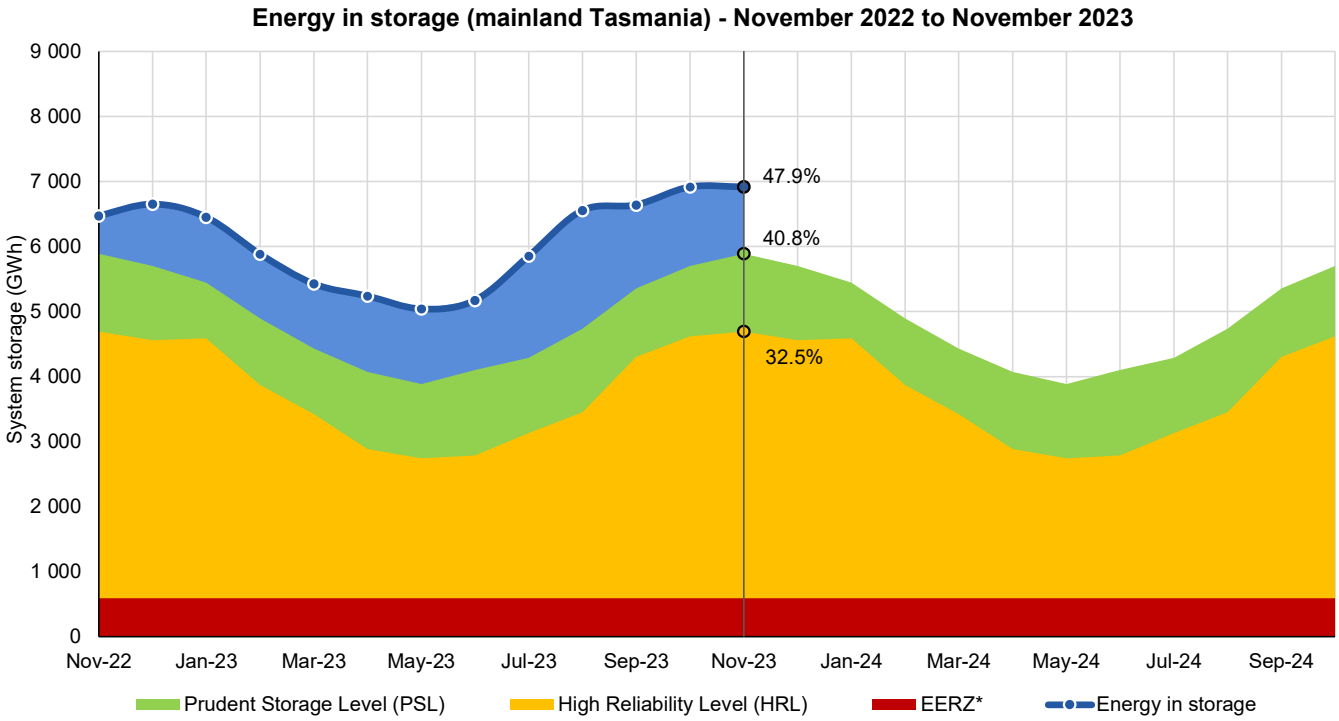
Comparison

Previous month (as at 2 October 2023) (GWh)	6 918	
Change from last month (GWh)	0.0%	↓
Change from November last year (GWh)	6.9%	↑

Energy security assessment

No additional monitoring activities required.





^ Average seasonal demand for the energy in storage equivalent is approximately 865 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).

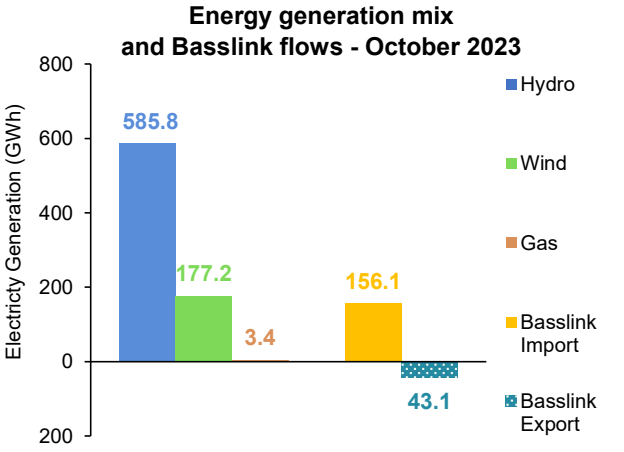
HRL = High Reliability Level (threshold to which reserve water is held for energy security purposes, where the reserve is sufficient to withstand a six month Basslink outage coinciding with a very low inflow sequence, and avoid extreme environmental risk for Great Lake).

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).

October 2023 generation (mainland Tasmania)

Consumption	
Tasmanian monthly consumption	879.4 GWh
Renewable generation	
Hydro generation	585.8 GWh
Wind generation	177.2 GWh
Gas generation	*Operational*
Gas generation	3.4 GWh
Basslink interconnector	*Operational*
Basslink imports	156.1 GWh
Basslink exports	43.1 GWh
Basslink net imports	113.0 GWh



Energy security outlook

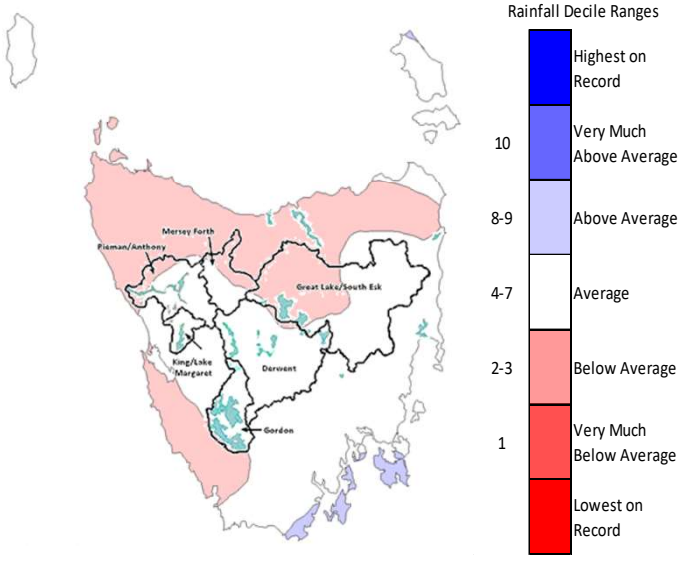
Rainfall in Tasmania - October 2023

Rainfall during October 2023 was average in Hydro Tasmania's western catchments and average to below average in the Mersey Forth and Great Lake/South Esk catchments. Rainfall across Tasmania was 18 per cent below average during October 2023. The mean maximum temperature in October 2023 was 0.32°C above average.

Three month forecast

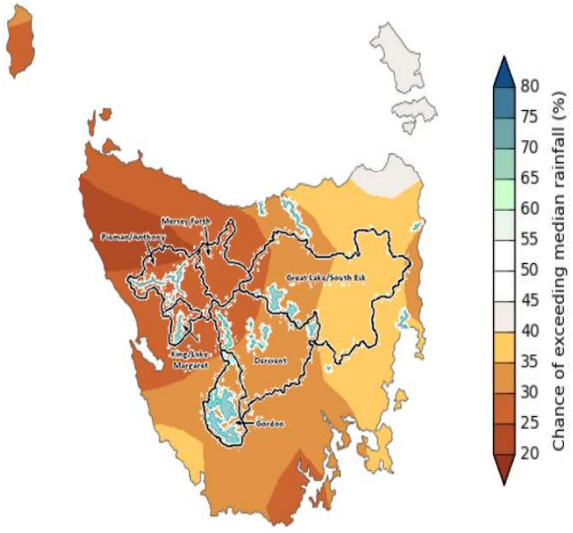
The Bureau of Meteorology's three month climate outlook for November 2023 to January 2024, issued on 2 November 2023, indicates that Hydro Tasmania's catchments are unlikely to receive above median rainfall.

Monthly rainfall deciles for Tasmania
1 October 2023 - 31 October 2023



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

Likelihood of exceeding the median rainfall
November 2023 to January 2024



Source: Bureau of Meteorology, Monthly Climate Outlook.