



14 August 2017

Macquarie and Cudgegong valleys

Water allocation update

Sufficient resources are available to announce **an allocation of 2 per cent of entitlement to general security licence holders** in the Macquarie and Cudgegong valleys.

This is in addition to the previous allocation announced on 1 July 2017, **bringing the total for the 2017/18 water year to 38 per cent of entitlement.**

The small improvement in resource availability is a result of final carryover volumes from 2016/17 being slightly less than forecast, and from adjustments following the review of essential requirements for the 2017/18 water year.

A drought inflow sequence starting in September produces about 120,000 megalitres (ML) less inflow than the August sequence. It is estimated that inflows in excess of 110,000 ML will be required in August to provide further allocation in September. Inflows to Burrendong Dam so far this water year have totalled just 6,000 ML.

	High Security	General Security	Average Carryover In
Macquarie	100%	38%	73%
Cudgegong	100%	38%	151%

Interim accounting measures

Due to planned and critical maintenance work on Burrendong Dam in July 2017, DPI Water advises that:

- If water enters Burrendong Dam flood mitigation zone (FMZ) prior to 30 September 2017, then appropriate withdrawal from Macquarie regulated river HS and GS carryover sub accounts, and EWA carryover sub accounts, will not occur at the end of August, but be delayed until 30 September.
- However if the water enters the FMZ after September 2017, the withdrawal of carryover allocations will occur at the end of that month of incursion as usual.

Dam levels (as at 14 August 2017)

- Burrendong Dam is currently 86 per cent full – falling - holding 1,024,000 megalitres (ML).
- Windamere Dam is currently 49 per cent full – steady - holding 181,000 ML.

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www.water.nsw.gov.au

Outlook

The Bureau of Meteorology (BoM) has forecast likely drier and warmer than average conditions in the Macquarie and Cudgegong valleys during the three month period from August to October 2017.

Macquarie-Cudgegong Resource Assessment Data Sheet

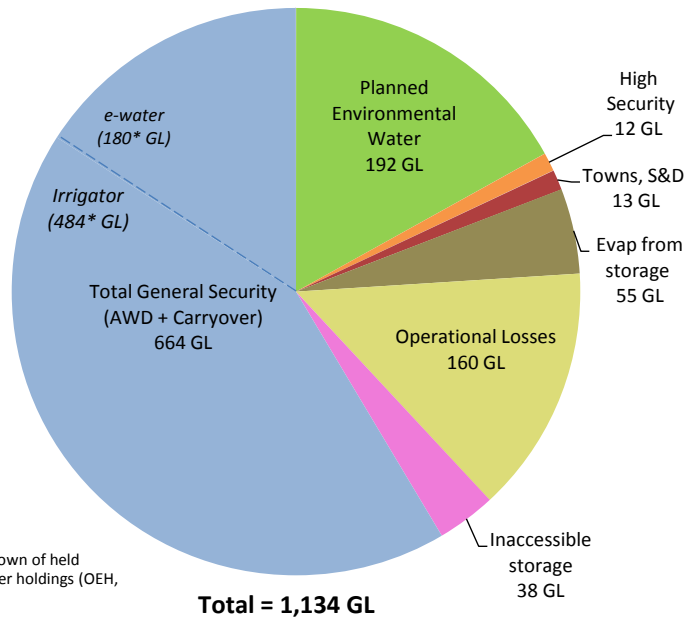
Resource Distribution (August 2017 to May 2018)	
	Volume (GL)
Total Available Resource ⁽¹⁾	1,134
less	
Carryover remaining in accounts ^{(2), (7)}	424
Planned Environmental Water ⁽³⁾	192
Towns, Stock, Domestic ⁽⁴⁾	13 (100%)
Inaccessible storage ⁽⁶⁾	38
High Security ⁽⁴⁾	12 (100%)
General Security 2017/2018 AWD ⁽⁷⁾	240 (38%)
Operational Losses (transmission, operations) ⁽⁵⁾	160
Evaporation from storage	55

*See notes below.

Notes:

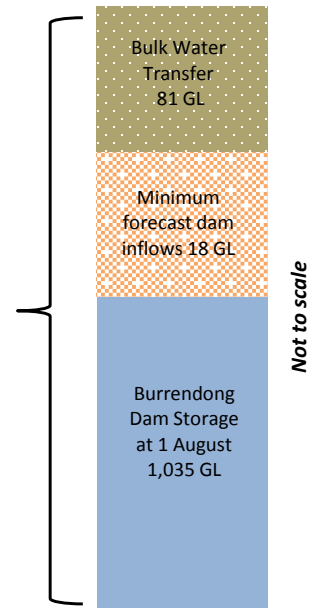
- (1) Total available resource: End of July storage volume in Burrendong Dam plus minimum forecast dam inflows from 1 Aug 2017 plus bulk water transfers from Windamere Dam.
- (2) Carryover remaining in accounts: volume in carryover sub-accounts at the end of July 2017 (excludes Cudgegong), discounted for storage evaporation.
- (3) Planned environmental water: water allocated to the Environmental Water Allowance under the water sharing plan (WSP) to provide for the Macquarie Marshes and the riverine environment. Excludes 'licence-based' environmental water. Includes AWD and carryover discounted for storage evaporation.
- (4) Towns, Stock, Domestic and High Security: reserves required to meet 100 per cent of entitlement through May 2018. This represents total entitlement below Burrendong Dam.
- (5) 'Operational Losses': best estimate of the volume required to run the river under dry conditions to meet all demands. This includes transmission losses, operational loss, and replenishment flows. It is conservatively assumed that forecast inflows correspond to dry conditions. This estimate is regularly refined as the year unfolds.
- (6) Inaccessible storage: Dead storage of 34 GL plus 4 GL to ensure valve operations at very low storage levels.
- (7) Held environmental water (HEW) – as a trial, general security account water administered by environmental water holders have been identified in the above pie chart. This reporting of held environmental water is indicative only. These entitlements are held and/or managed either singly or jointly by various environmental holder groups, including the NSW Office of Environment and Heritage (OEH) and the Commonwealth Environmental Water Holder (CEWH). Interested parties should refer to individual Agency websites for more detailed information on held environmental holdings.

**Resource Distribution August 2017 to May 2018
Macquarie**



* indicative breakdown of held environmental water holdings (OEH, CEWH).

Supply Distribution



Further information

The next Water Allocation Statement is scheduled for **October 2017**.

DPI Water website - www.water.nsw.gov.au