

8 July 2016

Macquarie-Cudgegong Valley Water allocation update

Allocations

Sufficient resources are available to announce a **new allocation of ten (10) per cent of entitlement to general security licence holders.**

This is in addition to the previous allocation announced on 1 July, bringing the total for the 2016/17 water year to **twenty-one (21) per cent of entitlement.**

Approximately **150,000 megalitres (ML)** of inflow to Burrendong Dam arrived in June and a further 40,000 ML is anticipated in July based on flows already in the system.

These inflows, including the above volume for July, all contributed towards this allocation.

Current forecasts indicate that a **bulk water transfer from Windamere Dam** will not be required until **at least February 2017**, and this would only eventuate if the next seven months are very dry.

	High Security	General Security	Average Carryover
Macquarie	100%	21%	4%
Cudgegong	100%	21%	46%

Dam levels (as at 6 July 2016)

- Burrendong Dam is currently 27 per cent full, holding 347,000 ML.
- The storage volume has increased from a low in early-June of 11 per cent (158,000 ML) and is currently rising following recent local rainfall on an already saturated catchment.
- Almost 177,000 ML of inflow has been received since 1 May.
- Windamere Dam is currently 39 per cent full, holding 144,000 ML.
- Recent inflows to Windamere Dam have been negligible, effectively offsetting local demand and storage evaporation.

Outlook

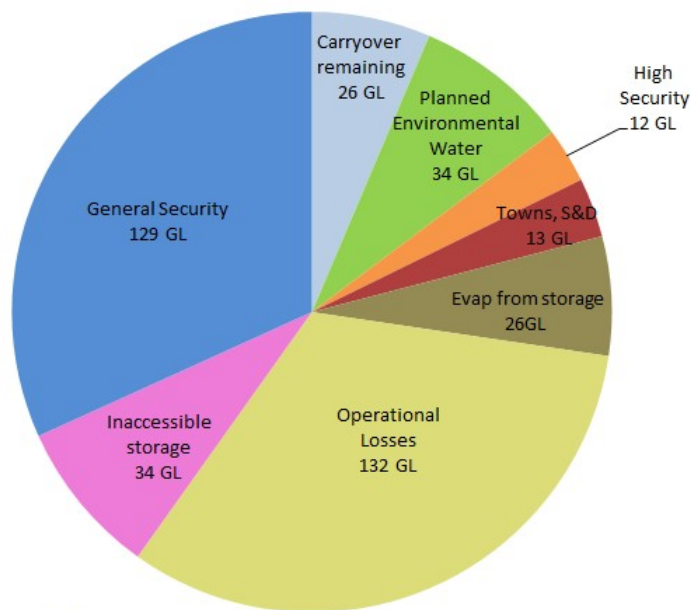
- The Bureau of Meteorology seasonal outlook for July to September in the region indicates a greater than 80% chance of above average rainfall in the upper catchment.
- The current outlook reflects the combination of a developing negative Indian Ocean Dipole, a continued cooling of tropical Pacific Ocean sea surface temperatures, and very warm sea surface temperatures surrounding northern and eastern Australia.

Macquarie-Cudgegong Resource Assessment Data Sheet

Resource Distribution (July 2016 to April 2017)	
	Volume (GL)
Total Available Resource ⁽¹⁾	406
less	
Carryover remaining in accounts ⁽²⁾	26
Planned Environmental Water ⁽³⁾	34
Towns, Stock, Domestic ⁽⁴⁾	13 (100%)
Inaccessible storage	34
High Security ⁽⁴⁾	12 (100%)
General Security	129 (19%)
Operational Losses (transmission, operations) ⁽⁵⁾	132
Evaporation from storage	26

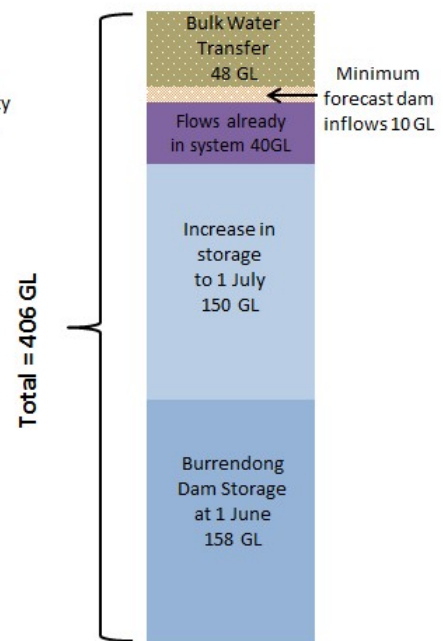
*See notes below.

Resource Distribution July 2016 to April 2017
Macquarie-Cudgegong



Total = 406 GL

Supply Distribution



Notes:

- (1) Total available resource: end of June 2016 storage volume in Burrendong Dam plus minimum forecast inflows plus bulk water transfers from Windamere Dam.
- (2) Carryover remaining in accounts: volume in carryover sub-accounts at the end of June (excludes Cudgegong).
- (3) Planned environmental water: water allocated to the Environmental Water Allowance under the water sharing plan to provide for the Macquarie Marshes and the riverine environment. Excludes 'licence-based' environmental water.



- (4) Towns, Stock, Domestic and High Security: reserves required to meet 100 per cent of entitlement through to April 2017. 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 assumed that inflow returns to dry conditions. This estimate is regularly refined as the year unfolds.

Further information

Information on Available Water Determinations and water sharing plans is available on the DPI Water website - www.water.nsw.gov.au