

# Nogoa Mackenzie WSS

## Fact sheet - Carry over unused allocation water

### Purpose

This fact sheet explains how carryover water works in the Nogoa Mackenzie Water Supply Scheme (NMWSS).

### What is carryover?

Carryover allows you to transfer unused allocation water from one water year into the next water year.

### Background

Carryover is permitted in the NMWSS subject to the rules set out in the Nogoa Mackenzie Water Supply Scheme Operations Manual.

### Principles behind carryover

Carryover gives customers more flexibility to hold or use water when it is of the greatest value to their business and to prepare for periods of low announced allocations. Carryover is available to water allocation holders of High and Medium priority water.

### Cancellation of Carryover

The carryover arrangements for the water year cease:

- at the end of the water year; or
- when Fairbairn Dam commences to spill.

All unused carryover water will be cancelled when Fairbairn Dam Spills or at the end of the water year, 30 June.

### Maximum volume allowed to be carried over including losses

The total volume of water permitted to be carried over in the NMWSS from the current water year into the next water year must not exceed the volume in Table 7 of Chapter 3 Section 10 of the [Nogoa Mackenzie Water Supply Scheme Operations Manual](#).

There are no limits on the volume of carryover applied for by individuals, provided the total volume of carryover applied for in the scheme does not exceed the maximum volume permitted to be carried over. If the total volume of carryover applied for in the scheme exceeds the maximum volume permitted to be carried over, individual carryover volumes will be reduced proportionately.

The maximum volume that can be carried over and the losses to be applied for NMWSS are shown over the page. An example of how the unused allocation water in an account is reduced proportionately and how the net carryover amount is calculated is shown on page 3.

### Storage Losses

The volume of water carried over is adjusted for storage losses at the beginning of each quarter. Storage loss volumes are shown over the page. An example of how the loss factors are applied to an account at the beginning of the water year and at the end of each quarter during the water year is shown on page 3.

## Temporary transfer of carryover

Temporary transfer of carryover water will only be allowed between carryover accounts.

## Access to carryover

Carryover is only available to customers who are metered by Sunwater. If you have a water account that has no meter attached, your unused allocation water cannot be carried over on this account.

If you have another water account that is metered, you can temporary transfer your unused allocation water from the water account that is not metered to the water account that is metered prior to 30 June. This will enable you to carry over the unused water from the non-metered water account, otherwise it will be cancelled.

Your application for carryover will not be approved by Sunwater unless you have settled any outstanding account balances.

Carryover does not alter the customer's peak flow rate or roster conditions.

## Carryover application Form

Application for carryover forms can be found on Sunwater's website at:

<https://www.sunwater.com.au/customer/managing-your-account/forms-and-contracts/forms/>

Applications for carryover of unused allocation water must be applied for initially and then will become recurring if the upper box in the "Carryover Details" section of the carryover form is nominated. Automatic carryover arrangements can be cancelled by notifying Sunwater prior to 30 June each year.

## Maximum volume of carryover and storage losses

The maximum volume that can be carried over and the losses to be applied for the scheme are shown in the table below:

Storage Level of Fairbairn Dam at 1 July	Maximum volume for carryover <sup>1</sup>	Quarter	Loss Factor (%)	Net carryover volume at start of quarter (ML) <sup>2</sup>
Below EL 193 m AHD	25,000 ML	1	9.60	22,600
		2	19.00	18,306
		3	21.20	14,425
		4	13.70	12,449
Between EL 197m AHD & EL 193 m AHD	75,000 ML	1	5.60	70,800
		2	10.73	63,203
		3	10.90	56,314
		4	6.40	52,710
Greater than EL 197 m AHD	150,000 ML	1	2.85	145,725
		2	5.25	138,074
		3	5.15	130,964
		4	2.75	127,362

1. Inclusive of losses

2. Assuming no carryover used in each quarter

## Example of net available carryover calculation on 1 July

The below is an example of how an unused allocation of 100 ML in an account is reduced proportionately when the total unused allocation water in the scheme is 100,000 ML and the carryover CAP is 75,000 ML. The example also shows how the 1<sup>st</sup> quarter loss factor is applied.

Carryover CAP based on level of dam on 1 July	75,000 ML
Unused scheme water	100,000 ML
Difference between unused scheme water and CAP	100,000 ML – 75,000 ML = 25,000 ML
Difference % between unused scheme water and CAP	25,000 ML / 100,000 ML = 25%
Individual unused allocation water	100 ML
Reduction of individual unused allocation water	25% x 100 ML = 25 ML
Carryover volume (before loss factor applied)	100 ML – 25 ML = 75 ML
1 <sup>st</sup> Quarter loss factor based on level of dam on 1 July	5.6%
Loss volume to be applied	5.6% x 75 ML = 4.2 ML
Net Available carryover water on 1 July	75 ML – 4.2 ML = 70.8 ML

## Example of quarter loss factor calculation

The below is an example of how the 2<sup>nd</sup> quarter loss factor is applied to an account on 30 September.

Net Available carryover water on 1 July	70.8 ML
Carryover used in 1 <sup>st</sup> quarter	20 ML
Balance at end of 1 <sup>st</sup> quarter	50.8 ML
2 <sup>nd</sup> Quarter loss factor based on level of dam on 1 July	10.73%
Loss volume to be applied	10.73% x 50.8 ML = 5.45 ML
Balance at end of 1 <sup>st</sup> quarter after loss volume applied	50.8 ML – 5.45 ML = 45.35 ML