

## Nogoa Mackenzie WSS

### Factsheet - Carry over unused allocation water

#### Purpose

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

#### Overview of Carryover

Carryover is an arrangement that allows for a portion of the unused volume of an entitlement to be carried over into the next water year.

Carryover is available to water allocation holders of High and Medium priority water.

It gives water allocation holders more flexibility to hold, use or trade water when it's of the greatest value to their business.

Carryover is permitted in the NMWSS subject to the rules set out in the [Nogoa Mackenzie Water Supply Scheme Operations Manual](#).

#### Cancellation of Carryover

The carryover arrangements for the Nogoa Mackenzie 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.

#### 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 from this account.

If you have a 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 apply to carry over the volume of 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/>

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.

## Temporary transfer of carryover

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

*Note: Please consider the below table for potential risks when temporary transferring carryover water.*

	Impacts of losses START OF QUARTER	Impacts of losses MIDDLE OF QUARTER	Impacts of losses END OF QUARTER
Volume Sold/Purchased at: <b>START OF QUARTER</b>	<ul style="list-style-type: none"> <li>Loss factors have not been calculated and applied to Carryover accounts.</li> <li><u>Seller</u> is required to <b>manually calculate</b> remaining volume available in Carryover account. <i>NOTE: Submit meter read for a more accurate estimate of remaining volume.</i></li> <li>Temporary Transfer volume may exceed the remaining volume available in the <u>seller's</u> Carryover account.</li> <li><b>! RISK:</b> Seller’s account may go into breach if loss calculations are not considered.</li> </ul> <p><i>*See example of quarterly loss factor calculation on page 3.</i></p>	<ul style="list-style-type: none"> <li>Loss factors have been applied to all Carryover accounts.</li> </ul>	<ul style="list-style-type: none"> <li>Loss factors will be applied to any unused volume remaining in <u>buyer's</u> Carryover account.</li> </ul>
Volume Sold/Purchased at: <b>MIDDLE OF QUARTER</b>	/	<ul style="list-style-type: none"> <li>Loss factors have been applied to all Carryover accounts.</li> </ul>	<ul style="list-style-type: none"> <li>Loss factors will be applied to any unused volume remaining in <u>buyer's</u> Carryover account.</li> </ul>
Volume Sold/Purchased at: <b>END OF QUARTER</b>	/	/	<ul style="list-style-type: none"> <li>Loss factors will be applied to the <u>buyer's</u> Carryover account.</li> <li><b>! RISK:</b> Amount purchased will be reduced due to losses.</li> </ul>

## 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 customers. If the total volume of carryover applied for in the scheme exceeds the maximum volume permitted, individual carryover volumes will reduce 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 4.

## 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 4.

## Maximum volume of carryover and storage losses

The maximum volume that can be carried over and the loss factors to be applied at the start of each quarter are shown in the table below:

Storage Level of Fairbairn Dam at 1 July	Maximum volume for carryover	Quarter	Loss Factor (%)
Below EL 193 m AHD	25,000 ML	1	9.60
		2	19.00
		3	21.20
		4	13.70
Between EL 193 m AHD & EL 197m AHD	75,000 ML	1	5.60
		2	10.73
		3	10.90
		4	6.40
Greater than EL 197 m AHD	150,000 ML	1	2.85
		2	5.25
		3	5.15
		4	2.75

*\*See page 4 for example calculation*

## 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 volume of carryover applications in the scheme is 100,000 ML and the maximum volume for carryover (CAP) is 75,000 ML. The example also shows how the 1st quarter loss factor is applied.

Carryover CAP (based on level of dam on 1 July)	75,000 ML
Total volume of carryover applications	100,000 ML
Pro-rata factor (carryover CAP / Total volume of carryover applications)	$75,000 / 100,000 = 75\%$
Individual unused allocation water	100 ML
Carryover volume (before loss factor applied)	$100 \text{ ML} \times 75\% = 75 \text{ ML}$
1 <sup>st</sup> Quarter loss factor based on level of dam on 1 July	5.6%
Loss volume to be applied	$5.6\% \times 75 \text{ ML} = 4.2 \text{ ML}$
Net available carryover water on 1 July	$75 \text{ ML} - 4.2 \text{ ML} = 70.8 \text{ ML}$

## 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	$10.73\% \times 50.8 \text{ ML} = 5.45 \text{ ML}$
Balance at end of 1 <sup>st</sup> quarter after loss volume applied	$50.8 \text{ ML} - 5.45 \text{ ML} = 45.35 \text{ ML}$

If you have any questions, please contact Sunwater on 13 15 89 or live chat via [www.sunwater.com.au](http://www.sunwater.com.au), Monday-Friday 8:30am-4:30pm.”