

Deferred Water Storage and Delivery Plan



Ref: DEW-D0025546

Prepared for Adoption from 1 March 2024

Purpose

Under Schedule G of the *Murray-Darling Basin Agreement 2008* (the Agreement), the Basin Officials Committee Member for South Australia must provide to the Murray-Darling Basin Authority (MDBA), New South Wales and Victoria by the first day of each month, a draft Deferred Water Storage and Delivery Plan (the Plan) for at least the following 12 months. The Plan contained herein fulfils South Australia's requirements under this Schedule.

Draft Plan Requirements

Under clause 7(1) in Schedule G of the Agreement, the Plan for at least the following 12 months is required to estimate the deferred water to be stored and delivered in each of those months under either:

- a) worst case inflow conditions; or
- b) other inflow conditions specified in the Plan.

It must:

- a) nominate how much of the deferred water held in storage at the commencement of the Plan is for the purpose of meeting critical human water needs (CHWN);
- b) for each month of the Plan, provide for the delivery of deferred water for the purpose of meeting either or both CHWN and private carryover;
- c) for each month of the Plan, nominate one or more preferred major storages in which water set aside as deferred water in that month might be stored;
- d) for each month of the Plan, nominate one or more preferred major storages from which deferred water might be delivered;
- e) for each month of the Plan, nominate any preferred transfers and substitutions of deferred water between major storages; and
- f) not provide for deferred water to be delivered in the same month as that water became deferred water.

Draft Deferred Water Storage and Delivery Plan

A summary of the volumes proposed by South Australia for deferral and delivery are presented in **Attachment B** and discussed in this Plan.

Plan Duration

This Plan has been prepared for the period 1 March 2024 to 28 February 2025 (12 months).

Inflow Assumption

This Plan is based on South Australia receiving its full Entitlement Flow of 1,850 gigalitres (GL) during 2023-24 and 2024-25. Should the inflow assumption outlined in this Plan not eventuate, South Australia may not defer and/or deliver the volumes of water identified in this Plan.

Expected Volume Held at Commencement of Plan

At the commencement of this Plan, it is expected that South Australia will hold a total volume of 8.2 GL of deferred Entitlement Flow (**Attachment A**). This is based on the MDBA confirmed 1 February 2024 volume (0 GL) and any planned or expected deferrals (8.2 GL – subject to confirmation by the MDBA, and which has been calculated based on the 14 GL requested in the February plan and pro-rated for the number of days of regulated flow conditions), losses (0 GL), spills and/or deliveries (0 GL) over the month of February 2024.

Deferred Water

The plan proposes to defer 162.7 GL from March 2024 to February 2025 (151 GL CHWN and 11.7 GL private carryover).

Delivery of Deferred Water

No requests for delivery of stored water are made in this plan.

Transfers and Substitutions


Whilst SA's preference is for the storage of deferred water ultimately in Dartmouth Reservoir, in the event that operational releases are resumed from Menindee Lakes, SA requests that it be consulted regarding the possibility of storing water in Menindee Lakes until it can be moved to Dartmouth Dam at the earliest possible convenience.

Proposed Net Flow to South Australia

The net flow delivery at the South Australian border is to be delivered as outlined in the *Proposed SA Entitlement Volume for Deferral and Delivery* table in **Attachment B**.

Plan Review

As provided for in Schedule G of the Agreement, the Plan will be reviewed monthly and South Australia reserves the right to seek variation to any of the elements contained in this Plan if water resource availability conditions change.



DAN JORDAN

ACTING BASIN OFFICIALS COMMITTEE MEMBER, SOUTH AUSTRALIA

Date: 29/02/2024

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Date effective: 1 March 2024 to 28 February 2025

Assumed Inflow Conditions: 1,850 GL

Expected Volume Held in Storage at commencement: 0 GL

South Australian Deferred Water in Dartmouth

Purpose	MDBA Advised Volume in Storage at 1 February 2024	Volume Deferred	Net evaporative loss	Volume Spilt (estimated)	Volume Delivered	Expected Total Volume Held at 1 March 2024
CHWN	0 GL	0 GL	0 GL	0 GL	0 GL	0 GL
Private Carryover	0 GL	0 GL	0 GL	0 GL	0 GL	0 GL

South Australian Deferred Water in Hume

Purpose	MDBA Advised Volume in Storage at 1 February 2024	Volume Deferred	Net evaporative loss	Volume Spilt	Volume Delivered	Expected Total Volume Held at 1 March 2024
CHWN	0 GL	0 GL	0 G	0 GL	0 GL	0 GL
Private Carryover	0 GL	0 GL	0 GL	0 GL	0 GL	0 GL

South Australian Deferred Water in Lake Victoria

Purpose	MDBA Advised Volume in Storage at 1 February 2024	Volume Deferred	Net evaporative loss	Volume Spilt	Volume Delivered	Expected Total Volume Held at 1 March 2024
CHWN	0 GL	8.2 GL*	0 GL	0 GL	0 GL	8.2 GL
Private Carryover	0 GL	0 GL	0 GL	0 GL	0 GL	0 GL

*subject to MDBA confirmation that pro-rated deferral was possible during February 2024

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Proposed SA Entitlement Volume for Deferral and Delivery*

MONTHLY DEFERRALS

	Mar-24	Apr-24	May-24	June-24	July-24	Aug-24	Sept-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Total
CHWN (GL)	26.0	15.0	0.0	0.0	0.0	20.0	13.8	19.0	18.9	18.3	10.0	10.0	151.0
PC (GL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.0	5.0	11.7
Preferred Storage	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	Dartmouth	162.7

MONTHLY DELIVERIES

	Mar-24	Apr-24	May-24	June-24	July-24	Aug-24	Sept-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Total
CHWN (GL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PC (GL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Preferred Storage	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	Lake Vic	0.0

SA ENTITLEMENT FLOW

	Mar-24	Apr-24	May-24	June-24	July-24	Aug-24	Sept-24	Oct-24	Nov-24	Dec-24	Jan-24	Feb-25	Total
Monthly Entitlement (GL)	186.0	135.0	93.0	90.0	108.5	124.0	135.0	170.5	180.0	217.0	217.0	194.0	1 850.0
Adjusted Monthly Entitlement (GL)	160.0	120.0	93.0	90.0	108.5	104.0	121.2	151.5	161.1	197.0	202.0	179.0	1 687.3

* assumes 1 850 GL delivery of Entitlement Flow during 2023-24 and 2024-25 (includes volumes to be deferred)