



Victoria Government Gazette

No. S 119 Thursday 16 March 2023
By Authority of Victorian Government Printer

Water Act 1989

BULK ENTITLEMENT (EILDON – GOULBURN WEIR) AMENDMENT ORDER 2023

I, Harriet Shing, Minister for Water, under the provisions of the **Water Act 1989**, make the following Order –

TITLE

1. This Order is called the Bulk Entitlement (Eildon – Goulburn Weir) Amendment Order 2023.

PURPOSE

2. The purpose of this Order is to make such amendments to the Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995 (as amended) to adjust the loss allowances for Goulburn Murray Water’s irrigation districts to reflect the transfer of the first instalment of water savings from Goulburn Murray Water’s Water Efficiency Project to the Commonwealth Environmental Water Holder. The Order also makes other minor changes and corrections to the Bulk Entitlement Order.

AUTHORISING PROVISIONS

3. This Order is made in accordance with section 44 of the **Water Act 1989**. The Minister makes this Order on the application of the Corporation.

COMMENCEMENT

4. This Order comes into effect on the day it is published in the Government Gazette.

DEFINITIONS

5. In this Order a reference to the Bulk Entitlement Order is a reference to Bulk Entitlement (Eildon – Goulburn Weir) Conversion Order 1995 (as amended).

AMENDMENT OF CLAUSE 4 (DEFINITIONS)

6. In Clause 4 of the Bulk Entitlement Order, **substitute** –
“**Melbourne headworks system**” means the following land and water storages in respect of which the Melbourne Storage Manager is to exercise its functions and obligations;
 - (a) Thomson, Upper Yarra, Maroondah, O’Shannassy, Sugarloaf, Silvan, Cardinia, Toorourrong, Yan Yean, Greenvale and Tarago Reservoirs and associated weirs, tunnels, transfer conduits, treatment plants and associated water supply works owned by Melbourne Water Corporation and including water harvested by the headworks and water sourced from the Victorian Desalination Project which is transferred via the Transfer Pipeline;
 - (b) The system waterway meaning;
 - (i) The Thomson River between Easton Weir and Coopers Creek Gauging Station number 225209, including the pools formed by and immediately upstream of Easton and Swingers Weirs and Thomson Reservoir;
 - (ii) The Yarra River and its tributaries upstream of a point just downstream of the confluence of the Yarra River and the Plenty River, including pools formed by and immediately upstream of Melbourne Water’s reservoirs and weirs in the Yarra Basin; and
 - (iii) The Silver Creek and Wallaby Creek and their tributaries in the Goulburn Basin including pools formed by and immediately upstream of Melbourne Water’s weirs;
 - (c) North-South Pipeline which is the water transmission pipeline between the off-take point and Sugarloaf Reservoir and including the off-take point which is the pump station near Killingworth Road in Yea;’

SPECIAL

7. In Clause 4 of the Bulk Entitlement Order, **substitute** –
 “**Melbourne Storage Manager**’ means Melbourne Water as appointed by the Minister under section 122ZK of the Act to control and manage the Melbourne headworks system, or to do all of any of the functions specified under Part 6C of the Act in the Melbourne headworks system;”

AMENDMENT OF CLAUSE 7

8. In sub-clause 7.1 of the Bulk Entitlement Order, for the text ‘more fully described in Schedules 1, 2, 2A and 3’, **substitute** the text ‘more fully described in Schedules 1, 2, 2A, 2B and 3’
9. For sub-clause 7.1(c) of the Bulk Entitlement Order, **substitute** –
 ‘(c) supply agreements made in accordance with section 124(7) of the Act including to supply domestic and stock supplies within the Mitiamo, East Loddon (North and South), West Loddon, Tungamah and Normanville waterworks districts; and ’

AMENDMENT OF SCHEDULE 1

10. For Schedule 1 of the Bulk Entitlement Order, **substitute** –

‘Schedule 1

PRIMARY ENTITLEMENTS – WATER SHARES AND DISTRIBUTION LOSSES

Details of primary entitlement in Table 1 and 2 in this schedule are sourced from the Victorian Water Register on 30 September 2022 and do not take into account any trade of water shares that may have occurred after this date.

1. Water shares issued in respect of the Goulburn System (trading zones 1A, 1B and 3)

Table 1 High-reliability and low reliability water shares

Description	Nominal volume (ML)	
	High reliability	Low reliability
Shepparton IA (zone 1A)	98,514.9	55,861.9
Central Goulburn IA (zone 1A)	191,470.8	113,921.7
Rochester IA (zone 1A)	97,232.6	57,751.0
Loddon Valley IA (zone 1A and 1B)	111,274.1	56,977.1
Goulburn diverters (zone 1A)	21,787.5	6,223.0
Lower Goulburn diverters (zone 3)	10,870.3	3,225.9
Non Water User	563,499.3	182,827.4
TOTAL	1,094,649.5	476,788.0

2. Entitlements issued in respect of the Goulburn System (trading zones 1A, 1B and 3) for which there is authority to take from another water system

Table 2 Water Shares issued in respect of the Goulburn System

Description	Nominal volume (ML)	
	High reliability	Low reliability
to G-MW diverters in the Murray (zones 6, 6B and 7)	315.0	389.7
to G-MW districts in the Murray (zones 6, 6B and 7)	3,072.9	5,013.3
to LMW diverters (zone 7)	16,074.5	4,915.0
to LMW districts (zone 7)	0.0	90.7
to South Australia	40.0	0.0
TOTAL	19,502.4	10,408.7

Table 3 Entitlements originally issued in respect of the Goulburn System which have been cancelled and issued in respect of another system

Bulk obligation to supply other water systems, arising from legacy exchange rate trade	
From Zone 1A to Victorian Murray (zone 7)	84,110.0
From Zone 1A to South Australia	11,063.0
From Zone 3 to Victorian Murray (zone 7)	4,212.0
From Zone 3 to South Australia	103.0

These volumes can change as a result of trade. The information in this Table is current as of 1 January 2021 and does not take into account any trade of water shares that may have occurred after this date. Up to date records of the obligation to supply other systems from the Goulburn System are maintained by the Authority and are updated in this Schedule from time to time.

3. Distribution loss entitlements applicable for each irrigation area

The distribution loss provisions shown in Table 5 are made up of a fixed loss component (at 0% delivery) and a variable component which varies with deliveries in each irrigation area. The distribution losses in each irrigation area are allocated throughout the year based on the maximum delivery volume in each area as shown in Table 5. The total diversion and loss provision for the Goulburn Component of GMID (the bottom two rows of Table 5) are used to assess compliance at the end of the year once the actual annual volume of diversions and deliveries is known.

Table 5: Distribution loss provision compared to delivery volume within the Goulburn Component of GMID

Irrigation Area	Type	Loss Provision (GL), for allocation in line with maximum deliverable volume during the season										
Shepparton (zone 1A)	Delivery:	0.000	17.591	35.182	61.569	87.956	123.138	175.911	211.094	255.072	316.641	346.693
	Loss:	11.087	12.888	14.690	17.392	20.095	23.698	29.102	32.706	37.210	43.515	46.593
Central Goulburn (zone 1A)	Delivery:	0.000	37.300	74.600	130.550	186.500	261.100	373.001	447.601	540.851	671.401	720.025
	Loss:	28.012	31.233	34.453	39.284	44.115	50.557	60.219	66.660	74.712	85.985	90.183
Rochester & Loddon Valley (zone 1A & 1B)	Delivery:	0.000	39.717	79.434	139.009	198.584	278.018	397.169	476.603	575.895	714.904	782.616
	Loss:	34.501	36.831	39.162	42.657	46.152	50.813	57.803	62.464	68.289	76.445	80.418
Loss Provision (GL)		73.600	80.952	88.305	99.334	110.362	125.067	147.125	161.830	180.211	205.945	217.194
Total Diversion (delivery plus loss in GL)		73.600	175.560	277.521	430.462	583.403	787.324	1,093.206	1,297.127	1,552.028	1,908.890	2,066.528

Note: loss provisions may be allocated at different delivery volumes than shown in Table 5 by linear interpolation or extrapolation.

Table 6: Annual and Cumulative headroom allowances (GL)

Irrigation Area	Fixed Loss	Annual Headroom	Cumulative Headroom
Shepparton (zone 1A)	11.087	2.217	11.670
Central Goulburn (zone 1A)	28.012	5.602	22.566
Rochester & Loddon Valley (zone 1A & 1B)	34.501	6.900	25.319
Total Goulburn Component of GMID	73.600	14.720	59.556

AMENDMENT OF SCHEDULE 211. For Schedule 2 of the Bulk Entitlement Order, **substitute** –**‘ Schedule 2****PRIMARY ENTITLEMENTS -BULK ENTITLEMENTS AND ENVIRONMENTAL ENTITLEMENTS HELD BY OTHER AUTHORITIES**

Authority	Bulk Entitlement Order	Entitlement Volume (ML/yr)	Trading Zone
Goulburn Valley Region Water Corporation	Bulk Entitlement (Goulburn Channel System – Goulburn Valley Water) Order 2012	7,191	1A
	Bulk Entitlement (Goulburn River and Eildon – Goulburn Valley Water) Order 2012	7,679	1A
		18,620	3
	Sub-total	26,299	n/a
	Goulburn Valley Water Sub-total	33,490	n/a
Coliban Region Water Corporation	Bulk Entitlement (Goulburn System – Coliban Water) Order 2012	1,980	1A
		440	1B
	Coliban Water Sub-total	2,420	n/a
Grampians Wimmera Mallee Region Water Corporation	Bulk Entitlement (Quambatook-Grampians Wimmera-Mallee Water) Order 2006	100	1B
Total very high-reliability urban entitlements		36,010	n/a

Authority	Bulk Entitlement Order	Entitlement Volume (ML/yr)	Trading Zone	Reliability
Melbourne Bulk Entitlements	Bulk Entitlement (Goulburn System – Greater Western Water) Order 2012, Bulk Entitlement (Goulburn System – South East Water) Order 2012 and Bulk Entitlement (Goulburn System – Yarra Valley Water) Order 2012	0*	1A	Provisional
Melbourne Bulk Entitlements	Bulk Entitlement (Goulburn System – Greater Western Water) Order 2022	4,330.4	1A	High
		2,316.9	1B	High
	Bulk Entitlement (Goulburn System – South East Water) Order 2022	4,330.4	1A	High
		2,316.9	1B	High
	Bulk Entitlement (Goulburn System – Yarra Valley Water) Order 2022	4,330.4	1A	High
		2,316.9	1B	High
Melbourne Bulk Entitlements	Bulk Entitlement (Goulburn System – Greater Western Water) Order 2022	3581.7	1A	Low
		730.0	1B	Low
	Bulk Entitlement (Goulburn System – South East Water) Order 2022	3581.7	1A	Low
		730.0	1B	Low
	Bulk Entitlement (Goulburn System – Yarra Valley Water) Order 2022	3581.7	1A	Low
		730.0	1B	Low
Total high-reliability urban entitlements		19,941.9	n/a	n/a
Total low-reliability urban entitlements		12,935.1	n/a	n/a

Authority	Bulk Entitlement Order/Environmental Entitlement	Entitlement Volume (ML/yr)	Trading Zone	Reliability
Water Holder	Bulk Entitlement (Goulburn System – Snowy Environmental Reserve) Order 2004	30,252	1A	High
		8,156	1A	Low
	Environmental Entitlement (Goulburn System – Living Murray Water) 2007	39,625	1A	High
		156,980	1A	Low
	Goulburn River Environmental Entitlement 2010	1,434	1B	High
		24,992	1A	High
		5,792	1A	Low
	Environmental Entitlement (Goulburn System – NVIRP Stage 1) 2012	0*	n/a	
Total high-reliability entitlements (equivalent to HRWS)		78,728		
Total low-reliability entitlements (equivalent to LRWS)		168,276		

* These entitlements will receive an annual allocation in accordance with paragraph 5 of Schedule 3 until the completion of NVIRP and all modernisation savings have been converted to long-term entitlements.

Dated 15 March 2023

THE HON. HARRIET SHING MP
Minister for Water

Water Act 1989**BULK ENTITLEMENT (RIVER MURRAY – GOULBURN-MURRAY WATER)
AMENDMENT ORDER 2023**

I, Harriet Shing, Minister for Water, under the provisions of the **Water Act 1989**, make the following Order –

TITLE

1. This Order is called the Bulk Entitlement (River Murray – Goulburn-Murray Water) Amendment Order 2023.

PURPOSE

2. The purpose of this Order is to make such amendments to the Bulk Entitlement (River Murray – Goulburn-Murray Water) Conversion Order 1999 (as amended) to adjust the loss allowances for Goulburn Murray Water’s irrigation districts to reflect the transfer of the first instalment of water savings from Goulburn Murray Water’s Water Efficiency Project to the Commonwealth Environmental Water Holder. The Order also makes other minor changes and corrections to the Bulk Entitlement Order.

AUTHORISING PROVISIONS

3. This Order is made in accordance with section 44 of the **Water Act 1989**. The Minister makes this Order on the application of the Corporation.

COMMENCEMENT

4. This Order comes into effect on the day it is published in the Government Gazette.

DEFINITIONS

5. In this Order a reference to the Bulk Entitlement Order is a reference to Bulk Entitlement (River Murray – Goulburn-Murray Water) Conversion Order 1999 (as amended).

AMENDMENT OF CLAUSE 10

6. In sub-clause 10.5 of the Bulk Entitlement Order, for the text ‘sub-clauses 10.6 and 10.7’ **substitute** the text ‘sub-clause 10.6’.

AMENDMENT OF CLAUSE 12

7. For sub-clause 12(d)(iii) of the Bulk Entitlement Order, **substitute** –
‘(iii) any water that is reserved in the Murray Lower Broken Creek Irrigators’ Share Account and the Murray Lower Broken Creek Additional Water Recovery Account in accordance with clauses 6 and 8 of Schedule 5’.

AMENDMENT OF SCHEDULE 1

8. For Schedule 1 of the Bulk Entitlement Order, **substitute** –

Table 2: Low-reliability Entitlements (GL)

User group	Low-Reliability Entitlements (GL)	Off-take commitments for low-reliability seasonal determination of										Historic at farm for allowed loss
		10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	
Murray Valley	At farm	6,078	12,157	18,235	24,313	30,391	36,470	42,548	48,626	54,705	60,783	94,429
	Losses	0.447	0.894	1.341	1.788	2.236	2.683	3.130	3.577	4.024	4.471	6.946
	Total	6,525	13,051	19,576	26,101	32,627	39,153	45,678	52,203	58,729	65,254	101,375
Torrumbarry	At farm	9,306	18,612	27,918	37,224	46,530	55,836	65,142	74,448	83,754	93,060	125,337
	Losses	0.394	0.787	1.181	1.574	1.968	2.362	2.755	3.149	3.543	3.936	5.301
	Total	9,700	19,399	29,099	38,798	48,498	58,198	67,897	77,597	87,297	96,996	130,638
Goulburn-Murray Water	Murray diverters	1,269	2,538	3,807	5,076	6,345	7,614	8,883	10,152	11,421	12,690	
	Mitta diverters	4,219	0.422	0.844	1.266	1.688	2.110	2.532	2.954	3.375	3.797	4.219
	Total	143,192	1,691	3,382	5,073	6,764	8,455	10,145	11,836	13,527	15,218	16,909
Lower Murray Water	Not associated with land	14,319	28,638	42,957	57,277	71,596	85,915	100,234	114,553	128,872	143,192	
	Irrigation districts	0.937	0.084	0.187	0.281	0.375	0.468	0.562	0.656	0.749	0.843	0.937
	Total	5,830	0.583	1,166	1,749	2,332	2,915	3,498	4,081	4,664	5,247	5,830
Greater Western Water	Not associated with land	0.297	0.03	0.059	0.089	0.119	0.149	0.178	0.208	0.238	0.268	0.297
	Irrigation districts	6,877	0.688	1.375	2.063	2.751	3.439	4.126	4.814	5.502	6.189	6.877
	Total	6,877	0.688	1,375	2,063	2,751	3,439	4,126	4,814	5,502	6,189	6,877
Water Holder	Living Murray Flora & Fauna	98,835	9,884	19,767	29,651	39,534	49,418	59,301	69,185	79,068	88,952	98,835
		5,783	0.578	1.157	1.735	2.313	2.891	3.470	4.048	4.626	5.205	5.783
Total	Off-take commitments for 100% high reliability entitlements	446,257	227,495	376,819	526,143	675,469	824,793	974,117	1,123,441	1,272,765	1,422,090	1,571,415
	Total off-take commitments	272,962	467,751	662,542	857,333	1,052,124	1,246,915	1,441,705	1,636,496	1,831,287	2,026,077	

Notes on Tables 1 and 2:
 1. Seasonal determinations may be made in intervals of 1% by interpolation between the values shown or extrapolation below 10% (or above 100% for the losses), not just in the 10% intervals shown.
 2. Murray Valley and Torrumbarry have fixed losses of 25,221 GL and 36,469 GL (including 0.352 GL for Tresco) respectively, plus two variable loss components (corresponding to historic at farm volumes from 2007 when unbundling occurred).
 (a) for high-reliability rights, variable loss varies from zero at zero allocation, increasing linearly to 18,101 GL for Murray Valley at historic (2007) at farm deliveries of 246,072 GL and to 15,118 GL for Torrumbarry at historic (2007) at farm deliveries of 357,427 GL.
 (b) for low-reliability rights, variable loss varies from zero at zero allocation, increasing linearly to 6,946 GL for Murray Valley at historic (2007) at farm deliveries of 94,429 GL and to 5,301 GL for Torrumbarry at historic (2007) at farm deliveries of 125,337 GL, and these losses may be allocated as the seasonal determination + carryover) based on the equivalent maximum allocation in each area (calculated as the seasonal determination + carryover).
 3. Allocations against the 22.1 GL of high-reliability entitlement added to Table 1 in November 2009 for Snowy EWR commenced when the Lake Boga-Lake Kangaroo-Lake Charm component of the Victorian Mid-Murray Storages was first deemed by the Resource Manager to have been operated in accordance with clause 8A (which occurred on 1 April 2010).
 4. Broken Creek entitlements are generally supplied from the Goulburn System, including town supplies for Numurkah and Nathalia and relevant environmental entitlements, hence are not included in Tables 1 and 2, but receive Murray allocation regardless of whether they are supplied from the Murray or Goulburn System.
 5. The allocation to the Murray Valley and Torrumbarry losses shown may be increased up to the maximum accumulated unused loss volume available for each in order to allow for delivery of allocation carried over in these districts from the previous year.
 6. These tables do not show changes in water share volumes as a result of trade since 30 September 2022, or entitlements to unregulated flows in the River Murray or River Murray Increased Flows.
 7. LMWURW Irrigation Districts volume includes high-reliability and supply by agreement entitlements in Table 1.

AMENDMENT OF SCHEDULE 5

1. For Table 1 in Schedule 5 of the Bulk Entitlement Order, **substitute** –

‘Table 1 – Goulburn-Murray Water Primary Entitlements (except Lower Broken Creek

DESCRIPTION OF ENTITLEMENT	NOMINAL VOLUME (ML)
MURRAY VALLEY IRRIGATION DISTRICT (excluding Lower Broken Creek)	
High Reliability Water Shares	97,587.9
Low Reliability Water Shares	60,774.2
Supply by Agreement – High	35.0
Supply by Agreement – Low	8.6
Fixed loss allowance	25,220.7
Variable loss allowance – high reliability component	18,100.6
Variable loss allowance – low reliability component	6,946.0
TOTAL	208,673.0
TORRUMBARRY IRRIGATION AREA (including Tresco and Woorinen)	
High Reliability Water Shares	162,042.3
Low Reliability Water Shares	92,697.9
Supply by Agreement – High	874.1
Supply by Agreement – Low	362.1
Fixed loss allowance (Tresco)	352.0
Fixed loss allowance	36,117.2
Variable loss allowance – high reliability component	15,118.1
Variable loss allowance – low reliability component	5,301.4
TOTAL	312,865.1
NYAH IRRIGATION DISTRICT	
High Reliability Water Shares	5,520.4
Low Reliability Water Shares	5.1
Fixed loss allowance	500.0
TOTAL	6,025.5
PRIVATE DIVERTERS	
Mitta Mitta Diverters	
High Reliability Water Shares	7,235.0
Low Reliability Water Shares	4,219.3
Murray Diverters	
High Reliability Water Shares	42,662.6
Low Reliability Water Shares	12,689.8
TOTAL	66,806.7

WATER SHARES NOT ASSOCIATED WITH LAND	
High Reliability Water Shares	668,789.8
Low Reliability Water Shares	143,191.5
TOTAL	811,981.3
TOTAL G-MW Primary Entitlements (excluding Lower Broken Creek)	1,406,351.6

2. For Table 2 in Schedule 5 of the Bulk Entitlement Order, **substitute** –
‘Table 2 – Lower Broken Creek Primary Entitlement

DESCRIPTION OF ENTITLEMENT	NOMINAL VOLUME (ML)¹
G-MW PRIMARY ENTITLEMENTS	
High Reliability Water Shares	24,415.1
Low Reliability Water Shares	11,997.3
Supply by Agreement – High	4.3
Supply by Agreement – Low	0.0
Variable loss allowance – high reliability component	10,005.6
Variable loss allowance – low reliability component	4,422.3
TOTAL	50,844.7
OTHER PRIMARY ENTITLEMENTS	
Goulburn Valley Water Bulk Entitlement – Numurkah	1,206.0
Goulburn Valley Water Bulk Entitlement – Nathalia	652.0
Environmental Entitlement – Living Murray	3,014.6
Environmental Entitlement – Flora and Fauna High	173.5
Environmental Entitlement – Flora and Fauna Low	77.3
TOTAL	5,123.4
TOTAL Lower Broken Creek Primary Entitlements	55,968.1

Notes to tables 1 and 2.

1. These tables does not show a change in water share volumes as a result of trade since 30 September 2022 .
2. These tables does not show water shares that were issued or cancelled since 30 September 2022.

AMENDMENT OF SCHEDULE 6

3. In Schedule 6 of the Bulk Entitlement Order, **revoke** the text ‘Permanent changes should be incorporated into this document, and details of the changes added to the revision history in ***Error! Reference source not found.***, Appendix A.’

Dated 15 March 2023

THE HON. HARRIET SHING MP
Minister for Water

ive

The *Victoria Government Gazette* is published by IVE Group Limited with the authority of the Government Printer for the State of Victoria

© State of Victoria 2023

This publication is copyright. No part may be reproduced by any process except in accordance with the provisions of the Copyright Act.

Address all enquiries to the Government Printer for the State of Victoria
Level 2, 1 Macarthur Street
Melbourne 3002
Victoria Australia

How To Order



**Retail &
Mail Sales**

Victoria Government Gazette
Ground Floor, Building 8,
658 Church Street,
Richmond 3121



Telephone
email

(03) 8523 4601
gazette@ivegroup.com.au

Price Code A