

Audit of Water Entitlement Entity (WEE) Purchases – GMW Connections Project 2019/20

Report

3608-50

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1 Introduction

1.1 Background

The Victorian State Government and the Commonwealth Government have committed significant funding for the renewal and modernisation of the Goulburn-Murray Irrigation District (GMID). The water recovery achieved through the renewal and modernisation works is to be shared between the environment, and Melbourne and irrigation customers. The works are also expected to improve the efficiency of delivery and increase the level of service provided to irrigation customers.

Goulburn-Murray Water¹ (GMW) is the owner and operator of the GMID. The GMW Connections Project forms the greater part of the modernisation of the GMID.

The water recovered (through both modernisation and water entitlement purchases) must be audited each year. The purpose of this audit is to verify the entitlement purchases managed by the GMW Connections Project in the year to 30 June 2020. The purchases are to be converted to a long-term average annual yield (LTAAY) water recovery volume using applicable long-term diversion limit equivalent (LTDLE) factors.

1.2 Scope of audit

The scope of work for the audit of the water entitlement purchases consists of:

- > checking that the Water Entitlement Entity (WEE) information provided by GMW Connections Project aligns with that recorded in the Victorian Water Register. As well, checking that the date of transfer recorded in the Register is no later than 30 June 2020. For this purpose, GMW Connections was required to provide a register of WEE details and supporting information.
- > cross-checking the water register report from the Department of Environment, Land, Water and Planning (DELWP) on all WEE numbers claimed by GMW Connections.
- > checking the calculations of Long-term Average Annual Yield (LTAAY) water recovery using the long-term diversion limit equivalence (LTDLE) conversion factors provided by DELWP.
- > For this year's audit, purchases by trading zone will be summarised in addition to Murray and Goulburn water systems as reported in previous years.

Only WEEs held in the name of GMW Connections Project are to be included in the audit scope². In audits prior to 2016/17, WEEs held in the name of others were included if it could be demonstrated that the GMW Connections Project had sufficient claim to ownership of them.

¹ Goulburn-Murray Water is the trading name of the Goulburn-Murray Rural Water Corporation.

² Goulburn-Murray Water Connections Project uses a unique party identifier ("PTY") on the Victorian Water Register for WEEs managed by the Project. The PTY is used to confirm ownership of WEEs by the GMW Connections Project.

2 Methodology

2.1 Requirement for confirming WEEs

The audit scope requires that the ownership and details of the WEEs claimed by the GMW Connections Project as being in its ownership at 30 June 2020 are confirmed. Specifically, the WEEs held by the GMW Connections Project are to be cross-checked against the Victorian Water Register in the following respects:

GMW Connections Project was to provide a register of WEE details and supporting information detailing:

- > WEE number
- > water entitlement volumes related to particular WEE number
- > date of transfer recorded in the Victorian Water Register (to be no later than 30 June 2020)
- > classification of water entitlements as either high or low reliability
- > classification of water entitlements by system
- > classification of water entitlements by trading zone (new for 2019/20)
- > evidence of ownership of entitlements being in the name of the GMW Connections Project (i.e. having GMW Connections PTY ID on the Victoria Water Register)
- > the project under which the entitlement was purchased
- > any additional water entitlement purchase information requested by the Auditor.

DELWP provided a Water Register Report on all the WEE numbers claimed by GMW Connections.

The audit also required the auditor to check the calculation of LTAAY water recovery as per the long-term diversion limit equivalent conversion factors provided by DELWP.

2.2 Methodology

To complete the audit, we undertook the following activities:

- > Obtained a spreadsheet from GMW Connections Project detailing its WEE holdings and relevant information about the entitlements including WEE number and volume.
- > Provided the list of WEE numbers claimed by GMW Connections Project to DELWP, and requested them to provide the volume, reliability classification, date of transfer recorded on the register, and ownership details relating to each claimed WEE number.
- > Reconciled the details provided to us by DELWP from the Victorian Water Register against the schedule provided to us by GMW Connections Project. For WEEs claimed by GMW Connections Project where the Victorian Water Register confirmed the WEE details and that the entitlement was in the GMW Connection Project's ownership, we accepted these WEEs for inclusion in the calculation of the LTAAY. Where we identified discrepancies between the two data sources we investigated further to establish the correct details.
- > For all WEEs confirmed as being in the GMW Connections Project's ownership, we applied the conversion factors to the WEE volumes to determine the LTAAY. These calculations are set out in Section 4.
- > Provided a draft report to GMW Connections Project and DELWP for checking for factual accuracy and acted on the feedback received to finalise this report.

3 Results of reconciliation of WEEs claimed by GMW Connections Project against the Victorian Water Register

3.1 Findings

Initially, the GMW Connections Project provided a schedule of WEEs that ring-fenced four WEEs which it considered were not within the scope of the audit. DELWP confirmed that two of these WEEs were no longer owned by GMW Connections Project, but should nevertheless be included in scope for the 2019/20 audit:

- > Two WEEs, WEE023553 (90.0ML high reliability – Stage 1) and WEE023554 (18.9ML low reliability – Stage 1) are in the Broken System. They have been excluded from the claimed lists of the GMW Connections Project and the Victorian Water Register. These WEEs were transferred to the Victorian Environmental Water Holder (VEWH) prior to 30 June 2019 to meet Victoria’s water recovery commitments under the Murray-Darling Basin Plan (MDBP). However, they are still part of the 2019/20 audit.

Of the remaining WEEs in the ownership of GMW which are not part of the claim, these are:

- > One WEE (830.0ML high reliability - Cosgrove Special Project) is in the Broken Creek System and is held in trust by the project for the State.
- > One WEE (WEE058435) has a “pending” status on DELWP register and is excluded from the claim in the GMW Connections Project

Following reconciliation between the GMW Connections Project’s schedule of claimed WEEs and the Victorian Water Register, we were able to confirm:

- > 235 WEEs claimed by GMW Connections Project where the details were consistent with the Victorian Water Register and are registered in the name of Goulburn-Murray Water for the Connections Project.
- > Of the 235, six WEEs claimed by GMW Connections Project (totalling 634.8ML of high reliability shares) which were recovered under the Reconfiguration Project and have now been attributed to the GMW Connections Project. These WEEs were previously held in trust for the State and have not been claimed in the previous audits.

Apart from the two Broken WEEs, we did not observe any WEEs held in the name of others in our assessment.

No discrepancies were found in the details of the WEEs held in the name of the GMW Connections Project when GMW’s records were compared with the Victorian Water Register. Details of all WEEs held in the name of the GMW Connections Project on the Victorian Water Register are included in Appendix A.

As detailed in Appendix B, compared to the 2018-19 audit, the GMW Connections Project is no longer claiming five WEEs (WEE046119, WEE051302, WEE052462, WEE051094, WEE003041) as they were transferred from the GMW Connections Project to customers for stock and domestic purposes during the year.

3.2 Summary

Table 3-1 summarises the breakdown of WEEs within, and not within the scope of the GMW Connections Project and their breakdown by reliability. We have not subjected this categorisation to audit.

Table 3-1 WEEs breakdown

Category	Low Reliability Water Share (ML)	High Reliability Water Share (ML)
Within scope of Connections Project	5,764.8	14,741.5
Within scope of Connections Project (Attributed to the GMW Connections Project and included in this audit 2019/20)		634.8
Not within the scope of the GMW Connections Project		830.0
Total	5,764.8	16,206.3

4 Calculation of long-term average annual yield

Following confirmation of the WEEs held by the GMW Connections Project as outlined in Section 3, the entitlement volumes have been converted into LTAAAY volume in Table 4-1 using the conversion factors provided by DELWP. Entitlements in the Murray, Goulburn and Broken Creek regions are included in the project scope for the GMW Connections Project 2019/20 audit. The purchases are also categorised by trading zones.

Table 4-1 Calculation of Long-term Average Annual Yield

Project / Irrigation area/Trading zone	Volumes of purchased WEEs		LTDLE conversion factors		Long Term Average Annual Yield		
	Low reliability (ML)	High reliability (ML)	Low reliability (MLshare/ML-LTDLE)	High reliability (MLshare/ML-LTDE)	Accruing from low reliability (ML)	Accruing from high reliability (ML)	Total (ML)
Stage 1							
Goulburn System	1,923.4	3,130.1	0.583	0.967	1,121.3	3,026.8	4,148.1
1A Greater Goulburn	1,636.4	3,130.1	0.583	0.967	954.0	3,026.8	3,980.8
1B Boort	287.0		0.583	0.967	167.3	0.0	167.3
Murray System	3,757.2	6,931.8	0.543	0.974	2,040.2	6,751.6	8,791.7
6 VIC Murray - Dart to Barmah	537.2	1,995.7	0.543	0.974	291.7	1,943.8	2,235.5
6B Lower Broken Creek	68.9	161.0	0.543	0.974	37.4	156.8	194.2
7 VIC Murray - Barmah to SA	3,151.1	4,775.1	0.543	0.974	1,711.0	4,650.9	6,362.0
Broken System	18.9	90.0	0.083	0.570	1.6	51.3	52.9
2 Broken	18.9	90.0	0.083	0.570	1.6	51.3	52.9
Total - Stage 1	5,699.5	10,151.9			3,163.1	9,829.7	12,992.8
On Farm Efficiency							
Goulburn System		2,719.2		0.967		2,629.5	2,629.5
1A Greater Goulburn		2,496.2		0.967		2,413.8	2,413.8
1B Boort		183.0		0.967		177.0	177.0
3 Lower Goulburn		40.0		0.967		38.7	38.7
Murray System		1,678.2		0.974		1,634.6	1,634.6
6 VIC Murray - Dart to Barmah		758.0		0.974		738.3	738.3
6B Lower Broken Creek		71.0		0.974		69.2	69.2
7 VIC Murray - Barmah to SA		849.2		0.974		827.1	827.1
Total - On Farm Efficiency		4,397.4				4,264.0	4,264.0
Crown Shares							
Goulburn System	65.3	185.1	0.583	0.967	38.1	179.0	217.1
1A Greater Goulburn	65.3	176.2	0.583	0.967	38.1	170.4	208.5
1B Boort		8.9	0.583	0.967		8.6	8.6
Murray System		7.1		0.974		6.9	6.9
7 VIC Murray - Barmah to SA		7.1		0.974		6.9	6.9
Total - Crown Shares	65.3	192.2			38.1	185.9	224.0
Reconfiguration							
Goulburn System		40.1		0.967		38.8	38.8
1A Greater Goulburn		40.1		0.967		38.8	38.8
Murray System		594.7		0.974		579.2	579.2
6B Lower Broken Creek		42.0		0.974		40.9	40.9
7 VIC Murray - Barmah to SA		552.7		0.974		538.3	538.3
Total - Reconfiguration		634.8				618.0	618.0

Project / Irrigation area/Trading zone	Volumes of purchased WEEs		LTDLE conversion factors		Long Term Average Annual Yield		
	Low reliability (ML)	High reliability (ML)	Low reliability (MLshare/ ML-LTDE)	High reliability (MLshare/ ML-LTDE)	Accruing from low reliability (ML)	Accruing from high reliability (ML)	Total (ML)
Total - Stage 1, On Farm Efficiency, Crown Shares and Reconfiguration							
Goulburn System	1,988.7	6,074.5	0.583	0.967	1,159.4	5,874.0	7,033.5
1A Greater Goulburn	1,701.7	5,842.6	0.583	0.967	992.1	5,649.8	6,641.9
1B Boort	287.0	191.9	0.583	0.967	167.3	185.6	352.9
3 Lower Goulburn		40.0		0.967		38.7	38.7
Murray System	3,757.2	9,211.8	0.543	0.974	2,040.2	8,972.3	11,012.5
6 VIC Murray - Dart to Barmah	537.2	2,753.7	0.543	0.974	291.7	2,682.1	2,973.8
6B Lower Broken Creek	68.9	274.0	0.543	0.974	37.4	266.9	304.3
7 VIC Murray - Barmah to SA	3,151.1	6,184.1	0.543	0.974	1,711.0	6,023.3	7,734.4
Broken System	18.9	90.0	0.083	0.570	1.6	51.3	52.9
2 Broken	18.9	90.0	0.083	0.570	1.6	51.3	52.9
Total claimed (Stage 1, OEF, Crown Shares and Reconfiguration)	5,764.8	15,376.3			3,201.1	14,897.6	18,098.8
Cosgrove Special Project							
2 Broken Creek		830.0		0.570		473.1	473.1
Total unclaimed (Cosgrove Special Project)		830.0				473.1	473.1
Overall Total (Claimed and unclaimed)	5,764.8	16,206.3			3,201.1	15,370.7	18,571.9

Totals may not sum exactly due to rounding

5 Recommendations for improvement

We make no recommendations for improvement.

APPENDIX

A

WEES HELD IN THE NAME OF GMW
CONNECTIONS PROJECT ON THE
VICTORIAN WATER REGISTER

System	WEE ID	Reliability	Volume (ML)	Budget line	Trading zone
Goulburn	WEE000660	Low	158.4	Stage 1	1A Greater Goulburn
Goulburn	WEE002024	Low	85.4	Stage 1	1A Greater Goulburn
Goulburn	WEE002116	High	12.8	Stage 1	1A Greater Goulburn
Goulburn	WEE002117	Low	0.5	Stage 1	1A Greater Goulburn
Goulburn	WEE002499	Low	42.7	Stage 1	1A Greater Goulburn
Goulburn	WEE004010	Low	36.5	Stage 1	1A Greater Goulburn
Goulburn	WEE004293	High	234.2	Stage 1	1A Greater Goulburn
Goulburn	WEE004491	High	2.9	Stage 1	1A Greater Goulburn
Goulburn	WEE005301	Low	56.6	Stage 1	1A Greater Goulburn
Goulburn	WEE005456	Low	112.8	Stage 1	1A Greater Goulburn
Goulburn	WEE005458	Low	81.1	Stage 1	1A Greater Goulburn
Goulburn	WEE005485	Low	1.0	Stage 1	1A Greater Goulburn
Goulburn	WEE006173	Low	61.4	Stage 1	1A Greater Goulburn
Goulburn	WEE006477	Low	21.1	Stage 1	1A Greater Goulburn
Goulburn	WEE006962	High	21.1	Stage 1	1A Greater Goulburn
Goulburn	WEE006963	Low	9.6	Stage 1	1A Greater Goulburn
Goulburn	WEE007439	Low	104.2	Stage 1	1A Greater Goulburn
Goulburn	WEE008211	Low	9.1	Stage 1	1A Greater Goulburn
Goulburn	WEE010074	High	63.2	Stage 1	1A Greater Goulburn
Goulburn	WEE011172	High	188.5	Stage 1	1A Greater Goulburn
Goulburn	WEE011173	Low	84.5	Stage 1	1A Greater Goulburn
Goulburn	WEE011586	High	3.0	Stage 1	1A Greater Goulburn
Goulburn	WEE011613	High	152.4	Stage 1	1A Greater Goulburn
Goulburn	WEE011614	Low	68.2	Stage 1	1A Greater Goulburn
Goulburn	WEE011634	Low	0.5	Stage 1	1A Greater Goulburn
Goulburn	WEE012418	High	25.3	Stage 1	1A Greater Goulburn
Goulburn	WEE012419	Low	11.5	Stage 1	1A Greater Goulburn
Goulburn	WEE012657	High	449.5	Stage 1	1A Greater Goulburn
Goulburn	WEE013094	High	86.0	Stage 1	1A Greater Goulburn
Goulburn	WEE013095	Low	38.4	Stage 1	1A Greater Goulburn
Goulburn	WEE014583	Low	58.1	Stage 1	1A Greater Goulburn
Goulburn	WEE016856	Low	84.5	Stage 1	1A Greater Goulburn
Goulburn	WEE024671	High	196.3	Stage 1	1A Greater Goulburn
Goulburn	WEE024672	Low	88.3	Stage 1	1A Greater Goulburn
Goulburn	WEE024802	Low	38.4	Stage 1	1A Greater Goulburn
Goulburn	WEE028099	High	6.9	Stage 1	1A Greater Goulburn
Goulburn	WEE028101	High	359.6	Stage 1	1A Greater Goulburn
Goulburn	WEE029674	High	57.0	Stage 1	1A Greater Goulburn
Goulburn	WEE029675	Low	24.0	Stage 1	1A Greater Goulburn
Goulburn	WEE030596	High	124.4	Stage 1	1A Greater Goulburn
Goulburn	WEE039164	High	7.6	Stage 1	1A Greater Goulburn
Goulburn	WEE043302	Low	39.4	Stage 1	1A Greater Goulburn
Goulburn	WEE047844	High	20.0	Stage 1	1A Greater Goulburn
Goulburn	WEE047846	High	20.0	Stage 1	1A Greater Goulburn
Goulburn	WEE048902	High	250.0	Stage 1	1A Greater Goulburn
Goulburn	WEE050876	High	16.0	Stage 1	1A Greater Goulburn
Goulburn	WEE051040	High	1.4	Stage 1	1A Greater Goulburn
Goulburn	WEE051621	High	50.0	Stage 1	1A Greater Goulburn

System	WEE ID	Reliability	Volume (ML)	Budget line	Trading zone
Goulburn	WEE051827	High	189.4	Stage 1	1A Greater Goulburn
Goulburn	WEE052188	Low	213.0	Stage 1	1A Greater Goulburn
Goulburn	WEE052638	High	2.4	Stage 1	1A Greater Goulburn
Goulburn	WEE053348	High	28.0	Stage 1	1A Greater Goulburn
Goulburn	WEE053943	High	49.0	Stage 1	1A Greater Goulburn
Goulburn	WEE054474	High	12.7	Stage 1	1A Greater Goulburn
Goulburn	WEE055333	High	230.0	Stage 1	1A Greater Goulburn
Goulburn	WEE056853	High	13.0	Stage 1	1A Greater Goulburn
Goulburn	WEE057058	High	200.0	Stage 1	1A Greater Goulburn
Goulburn	WEE057060	Low	100.0	Stage 1	1A Greater Goulburn
Goulburn	WEE057413	High	2,496.2	OFE	1A Greater Goulburn
Goulburn	WEE058778	High	17.6	Stage 1	1A Greater Goulburn
Goulburn	WEE059557	High	0.9	Stage 1	1A Greater Goulburn
Goulburn	WEE060113	High	17.2	Stage 1	1A Greater Goulburn
Murray	WEE000070	Low	1.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE000333	Low	28.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE001603	Low	78.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE002587	High	132.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE002588	Low	60.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE002793	High	7.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE002794	Low	2.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE003192	High	92.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE003193	Low	40.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE003448	Low	26.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE003450	Low	111.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE003826	Low	15.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE003886	Low	9.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE004066	Low	42.7	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE005735	Low	177.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE005769	Low	1.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE006062	Low	60.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE006364	Low	10.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE006789	Low	2.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE007301	Low	8.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE007308	High	5.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE007309	Low	1.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE007803	High	118.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE007804	Low	53.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE008496	Low	43.7	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE009159	Low	12.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE009379	High	36.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE009380	Low	16.3	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE009619	High	83.3	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE009620	Low	37.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE010266	High	63.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE010267	Low	23.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE010590	High	10.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE010676	High	315.5	Stage 1	7 VIC Murray - Barmah to SA

System	WEE ID	Reliability	Volume (ML)	Budget line	Trading zone
Murray	WEE010677	Low	143.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE010931	Low	9.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE011503	High	102.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE011504	Low	46.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE011950	Low	106.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE012646	Low	39.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE012652	Low	54.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE013017	High	10.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE013018	Low	4.3	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE013482	Low	45.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE013556	Low	56.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE013754	High	141.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE013755	Low	64.3	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE016327	Low	26.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE016791	Low	70.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE020784	Low	56.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE024092	Low	50.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE024473	Low	55.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE025433	Low	49.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE027121	High	244.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE027122	Low	111.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE027542	Low	21.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE028096	Low	112.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE028520	Low	14.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE028522	Low	111.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE028998	High	30.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE028999	Low	9.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE030444	Low	68.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE031109	High	12.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE045455	High	40.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE046467	High	19.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE047639	High	18.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE048037	Low	13.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE048963	High	77.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE050931	High	58.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE051087	High	49.0	OFE	7 VIC Murray - Barmah to SA
Murray	WEE051096	High	72.7	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE051192	High	7.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE051268	Low	39.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE051720	Low	144.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE055607	High	98.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE056753	Low	379.3	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057037	High	12.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057043	High	91.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057045	High	121.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057052	High	57.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057099	High	166.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057127	High	108.6	Stage 1	7 VIC Murray - Barmah to SA

System	WEE ID	Reliability	Volume (ML)	Budget line	Trading zone
Murray	WEE057129	High	21.7	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057145	High	19.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057147	High	103.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057149	High	3.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057177	High	300.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057181	High	5.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057193	High	29.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057195	High	81.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057201	High	208.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057214	High	19.7	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057235	High	146.8	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057239	High	3.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057247	High	153.3	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057251	High	110.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057253	High	91.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057291	High	61.1	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057409	High	800.2	OFE	7 VIC Murray - Barmah to SA
Murray	WEE057579	High	55.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057585	High	2.5	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057587	High	22.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057731	High	4.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE057925	High	165.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE058666	High	50.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE058667	High	50.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE058668	High	46.6	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE059896	High	151.4	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE059902	High	39.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE060126	High	2.0	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE060861	High	96.9	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE061388	High	1.3	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE063322	High	363.7	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE063324	Low	379.2	Stage 1	7 VIC Murray - Barmah to SA
Murray	WEE008884	High	161.0	Stage 1	6B Lower Broken Creek
Murray	WEE027059	Low	38.9	Stage 1	6B Lower Broken Creek
Murray	WEE050689	High	71.0	OFE	6B Lower Broken Creek
Murray	WEE051630	Low	30.0	Stage 1	6B Lower Broken Creek
Murray	WEE000658	High	1.0	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE008883	High	309.2	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE011920	Low	40.3	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE011935	High	131.0	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE013417	High	226.2	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE013418	Low	105.1	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE013814	High	118.5	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE013815	Low	53.8	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE021963	High	1.0	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE028063	High	48.9	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE028064	Low	21.6	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE034800	High	4.0	Stage 1	6 VIC Murray - Dart to Barmah

System	WEE ID	Reliability	Volume (ML)	Budget line	Trading zone
Murray	WEE036174	High	162.5	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE037267	High	2.1	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE042969	High	100.5	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE043001	High	270.0	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE048488	High	52.0	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE048490	High	17.0	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE048492	High	44.6	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE050632	High	98.0	OFE	6 VIC Murray - Dart to Barmah
Murray	WEE050997	High	45.0	OFE	6 VIC Murray - Dart to Barmah
Murray	WEE051298	High	53.0	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE051868	High	205.2	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE055748	Low	1.2	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE057039	High	124.3	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE057330	High	615.0	OFE	6 VIC Murray - Dart to Barmah
Murray	WEE059553	Low	300.8	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE063320	High	31.6	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE063321	High	93.1	Stage 1	6 VIC Murray - Dart to Barmah
Murray	WEE063323	Low	14.4	Stage 1	6 VIC Murray - Dart to Barmah
Goulburn	WEE013357	Low	287.0	Stage 1	1B Boort
Goulburn	WEE050769	High	46.0	OFE	1B Boort
Goulburn	WEE051411	High	137.0	OFE	1B Boort
Goulburn	WEE051568	High	40.0	OFE	3 Lower Goulburn
Goulburn	WEE065950	Low	7.2	Stage 1	1A Greater Goulburn
Goulburn	WEE065973	High	20.2	Stage 1	1A Greater Goulburn
Murray	WEE058046	High	12.9	Stage 1	7 VIC Murray - Barmah to SA
Goulburn	WEE008625	High	16.0	Reconfiguration	1A Greater Goulburn
Goulburn	WEE009629	High	1.0	Reconfiguration	1A Greater Goulburn
Goulburn	WEE016827	High	11.7	Reconfiguration	1A Greater Goulburn
Goulburn	WEE052384	High	11.4	Reconfiguration	1A Greater Goulburn
Murray	WEE058977	High	42.0	Reconfiguration	6B Lower Broken Creek
Murray	WEE056754	High	552.7	Reconfiguration	7 VIC Murray - Barmah to SA
Broken River	WEE031706	High	830.0	Cosgrove Special Project	2 Broken
Murray	WEE002820	High	1.4	Crown Shares	7 VIC Murray - Barmah to SA
Goulburn	WEE003294	High	1.0	Crown Shares	1A Greater Goulburn
Goulburn	WEE003846	High	28.7	Crown Shares	1A Greater Goulburn
Goulburn	WEE003847	Low	11.5	Crown Shares	1A Greater Goulburn
Goulburn	WEE006882	High	1.0	Crown Shares	1A Greater Goulburn
Murray	WEE007233	High	4.7	Crown Shares	7 VIC Murray - Barmah to SA
Goulburn	WEE007744	High	1.0	Crown Shares	1A Greater Goulburn
Goulburn	WEE008345	High	8.9	Crown Shares	1B Boort
Goulburn	WEE011727	High	120.2	Crown Shares	1A Greater Goulburn
Goulburn	WEE011728	Low	53.8	Crown Shares	1A Greater Goulburn
Goulburn	WEE012475	High	1.4	Crown Shares	1A Greater Goulburn
Murray	WEE029061	High	1.0	Crown Shares	7 VIC Murray - Barmah to SA
Goulburn	WEE029109	High	9.3	Crown Shares	1A Greater Goulburn
Goulburn	WEE031217	High	13.6	Crown Shares	1A Greater Goulburn
Goulburn	WEE069879	High	0.5	Stage 1	1A Greater Goulburn
Goulburn	WEE069881	High	0.8	Stage 1	1A Greater Goulburn

System	WEE ID	Reliability	Volume (ML)	Budget line	Trading zone
Goulburn	WEE071064	High	0.2	Stage 1	1A Greater Goulburn
Goulburn	WEE071719	High	0.1	Stage 1	1A Greater Goulburn
Broken River	WEE023553 ³	High	90.0	Stage 1	2 Broken
Broken River	WEE023554 ⁴	Low	18.9	Stage 1	2 Broken

³ Was transferred to VEWH prior to 30 June 2019. Included in WEE list as Stage 1

⁴ Was transferred to VEWH prior to 30 June 2019. Included in WEE list as Stage 1

APPENDIX

B

WEES REMOVED FROM THE
PREVIOUS YEAR'S AUDIT 2018/19

System	WEE ID	Reliability	Volume (ML)	Budget line	Trading zone
Goulburn	WEE046119	High	2.2	Stage 1	1A Greater Goulburn
Goulburn	WEE051302	High	2.1	Stage 1	1A Greater Goulburn
Goulburn	WEE052462	High	1.0	Stage 1	1A Greater Goulburn
Murray	WEE051094	High	2.0	Stage 1	7 VIC Murray - Barmah to SA
Goulburn	WEE003041	High	1.0	Crown Shares	1A Greater Goulburn