

30th November 2015

Re: Goulburn Murray Water Pricing

Mr David Heaps, ESC

Dear David,

As a Loddon Valley customer I wish to raise the following facts regarding GMW bringing in 'system pricing' as opposed to 'district pricing'.

It has to be acknowledged the Shepparton and Central Goulburn district were not rationalized when it was modernized; as opposed to the other irrigation districts. (*attachment 1*) This means into the future, Shepparton and Central Goulburn will have higher operating costs. (*attachment 2*)

The meter usage figures also demonstrate a number of meters which deliver less than 10 mega litres per year. (*attachment 3*) In fact, a significant number deliver zero mega litres per year, even post modernization.

From my own farm business experience, modernization does not mean improved supply performance. From the graph attached, the variation in flow supply under a modernised (in Total Channel Control) system actually means a deterioration in consistent water flow.

The Loddon Valley area has longer pool lengths in the GMW channel system; for example Loddon Valley outlet No. 1701 B (our outlet) has a pool length of eight kilometres. (*attachment 4*) GMW staff advise me that as it stands TCC will never work over such a distance.

This demonstrates that the Loddon Valley area in particular cannot receive the standard of service as Shepparton or Central Goulburn, for example.

Therefore the same level of service does not exist across the GMW water districts; meaning a 'system pricing' is not appropriate.

Regards,

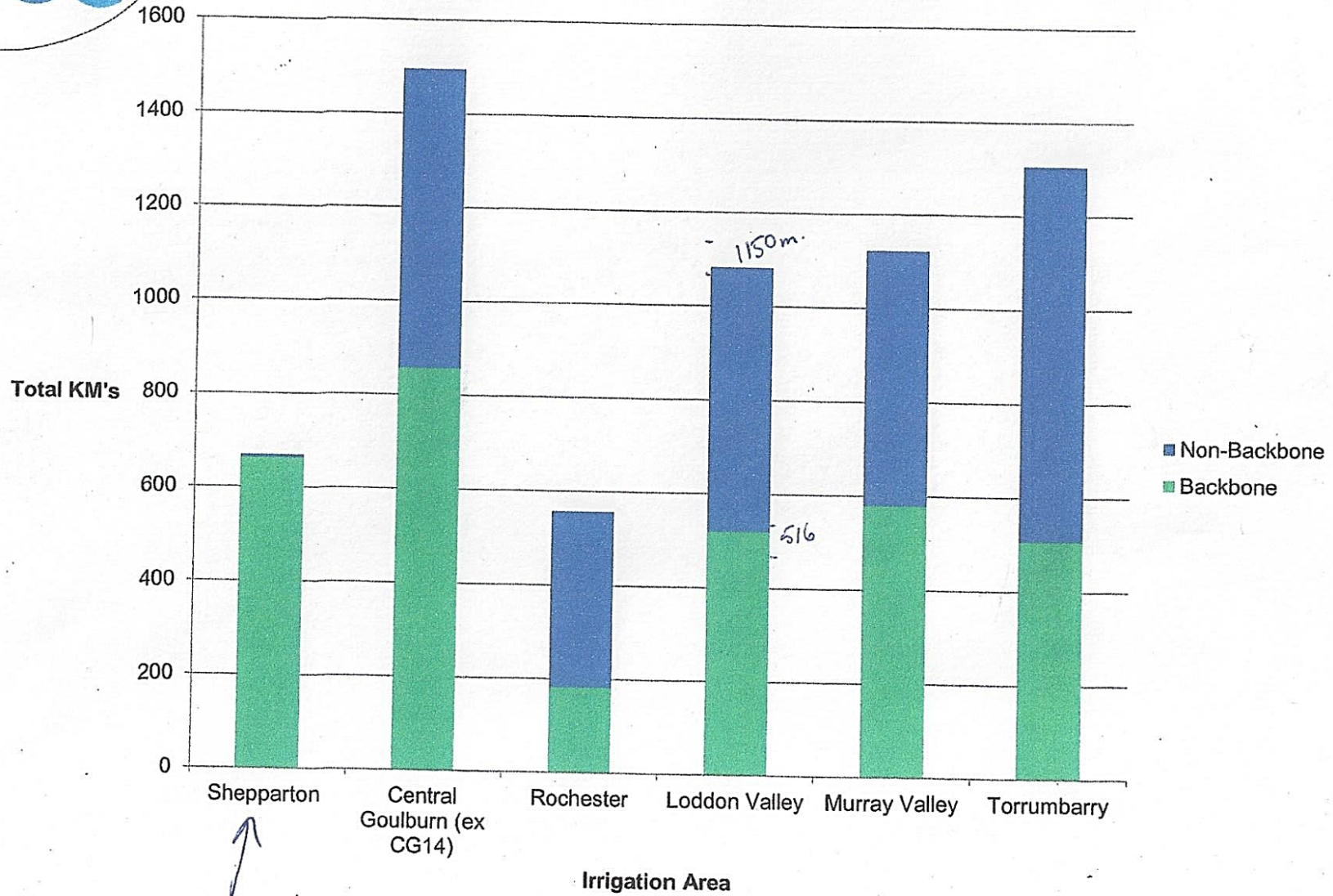


Murray Haw

1



Backbone and Non-Backbone Channels



not rationalized

2

Appendix Three

GMW 2010 Modernised Service Point Costs Data supplied by GMW 2010

id	Capacity @ 50mm headloss	REMOTE OPERATE	Supply type	Total installed cost	Maintain and replace	Total Whole of life costs	Maintain and Replace
					NPV		AEV
1a	4-21 ML/d	1050-866 FiumeGate	Gravity	\$38,400	\$17,992	\$56,392	1083
2a	1-15 ML/d	600mm MagFlow	Gravity	\$39,026	\$18,460	\$57,486	\$1,111
3a	0.5-14 ML/d	450mm Magflow (pit)	Gravity	\$36,506	\$17,678	\$54,184	\$1,064
4a	0.3-10 ML/d	375mm Magflow (upstream pit)	Gravity	\$32,522	\$17,348	\$49,870	\$1,044
5a	0.25-6ML/d	300mm Magflow (upstream pit)	Gravity	\$26,055	\$16,070	\$42,125	\$967
	Capacity headloss	REMOTE READ	Supply type	Total installed cost	Maintain and replace	Total Whole of life costs	Maintain and Replace
					NPV		AEV
2b	1-15 ML/d	600mm Magflow (pit option)	Gravity	\$36,146	\$17,733	\$53,879	\$1,067
3b	0.5-14 ML/d	450mm Magflow (pit option)	Gravity	\$33,626	\$16,951	\$50,577	\$1,020
5b	0.25-6ML/d	300mm Magflow (butterfly valve option)	Gravity	\$25,617	\$16,015	\$41,631	\$964
	Capacity @ 50mm headloss	LOCAL READ	Supply type	Total installed cost	Maintain and replace	Total Whole of life costs	Maintain and Replace
					NPV		AEV
2c	1-15 ML/d	600mm Magflow (Tyco Milcast)	Gravity	\$29,066	\$8,889	\$37,955	\$535
3c	0.5-14 ML/d	450mm Magflow (pit option)	Gravity	\$26,546	\$8,107	\$34,652	\$488
5c	0.25-6ML/d	300mm Magflow (upstream pit option)	Gravity	\$22,785	\$6,589	\$29,374	\$397
6c	0.25-6ML/d	300mm PA (mechanical Pumped)	Pumped	\$8,876	\$3,602	\$12,478	\$217
7c	0.1-1.7 ML/d	50mm Magflow Closed Conduit	Gravity / pumped	\$8,295	\$5,080	\$13,375	\$306
8c	0.1 - 0.6 ML/d	50mm Mechanical Closed Conduit	Pumped	\$5,529	\$2,958	\$8,487	\$178

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Appendix One

Data supplied by GMW 2015

Irrigation Service Point Usage 2013-2014

21/02/2015

LODDON VALLEY		
USAGE	# OUTLETS	%OUTLETS
Zero	584	31%
0.1-10MML	174	9%
10.1-20MML	100	5%
20.1-30MML	98	5%
30.1-40MML	108	6%
40.1-50MML	72	4%
50.1-60MML	61	3%
60.1-70MML	70	4%
70.1-80MML	61	3%
80.1-90MML	47	3%
90.1-100MML	44	2%
101.1MML +	449	24%
TOTAL	1868	100%

48%

MURRAY VALLEY		
USAGE	# OUTLETS	%OUTLETS
Zero	695	26%
0.1-10MML	251	9%
10.1-20MML	170	6%
20.1-30MML	173	7%
30.1-40MML	110	4%
40.1-50MML	110	4%
50.1-60MML	91	3%
60.1-70MML	91	3%
70.1-80MML	69	3%
80.1-90MML	86	3%
90.1-100MML	71	3%
101.1MML +	740	28%
TOTAL	2657	100%

CENTRAL GOULBURN		
USAGE	# OUTLETS	%OUTLETS
Zero	1384	28%
0.1-10MML	677	14%
10.1-20MML	399	8%
20.1-30MML	313	6%
30.1-40MML	255	5%
40.1-50MML	204	4%
50.1-60MML	173	3%
60.1-70MML	166	3%
70.1-80MML	158	3%
80.1-90MML	135	3%
90.1-100MML	112	2%
101.1MML +	985	20%
TOTAL	4961	100%

42%

ROCHESTER		
USAGE	# OUTLETS	%OUTLETS
Zero	626	31%
0.1-10MML	225	11%
10.1-20MML	123	6%
20.1-30MML	103	5%
30.1-40MML	90	4%
40.1-50MML	98	5%
50.1-60MML	55	3%
60.1-70MML	74	4%
70.1-80MML	60	3%
80.1-90MML	59	3%
90.1-100MML	47	2%
101.1MML +	491	24%
TOTAL	2051	100%

45%

TORRUMBARRY		
USAGE	# OUTLETS	%OUTLETS
Zero	1307	29%
0.1-10MML	646	14%
10.1-20MML	368	8%
20.1-30MML	301	7%
30.1-40MML	225	5%
40.1-50MML	175	4%
50.1-60MML	165	4%
60.1-70MML	129	3%
70.1-80MML	105	2%
80.1-90MML	88	2%
90.1-100MML	85	2%
101.1MML +	957	21%
TOTAL	4551	100%

SHEPPARTON		
USAGE	# OUTLETS	%OUTLETS
Zero	667	30%
0.1-10MML	329	15%
10.1-20MML	167	8%
20.1-30MML	119	5%
30.1-40MML	98	4%
40.1-50MML	99	4%
50.1-60MML	82	4%
60.1-70MML	89	4%
70.1-80MML	64	3%
80.1-90MML	60	3%
90.1-100MML	42	2%
101.1MML +	405	18%
TOTAL	2221	100%

Goulburn		
USAGE	# OUTLETS	%OUTLETS
Zero	3261	29%
0.1-10MML	1405	13%
10.1-20MML	789	7%
20.1-30MML	633	6%
30.1-40MML	551	5%
40.1-50MML	473	4%
50.1-60MML	371	3%
60.1-70MML	399	4%
70.1-80MML	343	3%
80.1-90MML	301	3%
90.1-100MML	245	2%
101.1MML +	2330	21%
TOTAL	11101	100%

47%

Murray		
USAGE	# OUTLETS	%OUTLETS
Zero	2002	28%
0.1-10MML	897	12%
10.1-20MML	538	7%
20.1-30MML	474	7%
30.1-40MML	335	5%
40.1-50MML	285	4%
50.1-60MML	256	4%
60.1-70MML	220	3%
70.1-80MML	174	2%
80.1-90MML	174	2%
90.1-100MML	156	2%
101.1MML +	1697	24%
TOTAL	7208	100%

Goulburn Murray		
USAGE	# OUTLETS	%OUTLETS
Zero	5263	29%
0.1-10MML	2302	13%
10.1-20MML	1327	7%
20.1-30MML	1107	6%
30.1-40MML	886	5%
40.1-50MML	758	4%
50.1-60MML	627	3%
60.1-70MML	619	3%
70.1-80MML	517	3%
80.1-90MML	475	3%
90.1-100MML	401	2%
101.1MML +	4027	22%
TOTAL	18309	100%

Total Service Points with less than 10 Megalitres Usage

7565 42%

18309 100%

	No Regulators	% of Total Regulators in GMID	Backbone (km) *	Backbone Extension (km) **	% of Total GMID Backbone After Extension	Service Points	% of Total GMID Service Points
CENTRAL GOULBURN (5-9 only)	593	25%	958	107	21%		
CENTRAL GOULBURN (1-4 only)	231	10%	265	0	5%		
CENTRAL GOULBURN (2 only)	35	1%	37	0	1%		
CENTRAL GOULBURN	824	35%	1260	107	28%	4961	27%
LODDON VALLEY	335	14%	661	60	15%	1868	10%
MURRAY VALLEY	330	14%	660	62	15%	2657	15%
ROCHESTER	241	10%	327	42	8%	2051	11%
TORRUMBARRY	153	6%	834	80	19%	4551	25%
SHEPPARTON	486	21%	795	0	16%	2221	12%
TOTAL	2369	100%	4537	351	100%	18309	100%

*Backbone Channel length \pm 10%

** Approved

Note : the percentage of service point will be lower will reduce for most areas