



Office  
of Water

Mr James Cox  
Chief Executive Officer  
Independent Pricing & Regulatory Tribunal of NSW  
Level 8, 1 Market Street  
Sydney NSW 2000

File ref: WS09/1323

Dear Mr Cox

**NSW OFFICE OF WATER SUBMISSION FOR 2010 BULK WATER PRICE REVIEW  
MINOR AMENDMENTS DUE TO REVISED COST AND TARIFF MODELS**

Following the NSW Office of Water's submission to IPART's 2010 review of bulk water prices on 4 December, some minor changes have been made to the cost and tariff models that provide the numerical basis for the submission. These models were forwarded to your office by email in their final form on 24 December 2009. The models should be relied on where there is any discrepancy between the data they contain and the submission.

In order to document and make public any impacts these changes have had on the final pricing request, a thorough comparative analysis of the models and the submission has been undertaken. The attachment to this letter shows the results of this analysis and lists in detail all variations of the models from the 4 December 2009 submission.

All the cost input changes identified are minor and do not exceed the limits of accuracy imposed by the rounding used in the submission. Minor pricing variations have occurred however, but are not expected to significantly impact the final outcome of the pricing determination, as the changes are small compared to the overall price increase indicated by the models.

The analysis has also identified an error in the original submission regarding the usage based tariffs for regulated rivers under pricing Scenario 2, which includes the costs of Commonwealth reforms. These prices were incorrect in the original submission and are now shown correctly in the attached tables. The variances to the original submission have been documented.

In response to letters received by you from the NSW Irrigators' Council and from the Gwydir Valley Irrigators Association, the Office of Water will release further detailed information regarding the cost inputs to our submission. We will also forward a formal report for the 2008-09 year in compliance with the 2006 Determination and issue revised reports for the years 2006-07 and 2007-08. At this stage we

Department of  
**Environment, Climate Change and Water NSW**



expect this information to be available by 27 January 2010. In order to give stakeholders time to analyse this revised information we suggest the deadline for their submissions be extended.

Should your office require clarification of any of the attached information Debra Bock, Chief Financial Officer will be available on Ph: 8281 7309 or email: [debra.bock@dwe.nsw.gov.au](mailto:debra.bock@dwe.nsw.gov.au) .

Yours sincerely,



20.1.10

**David Harriss**

Commissioner, NSW Office of Water

### 1.1 Capital Expenditure for the period 2010/11 to 2012/13 (Pg 45 of submission):

2010/11	Models \$	Submission (\$M)
Water Extracting Monitoring	1,073,411	1.1
Corporate Water Database	67,968	0.1
Upgrade/Replacement/Refurbishment of hydrometric network - NSW Office of Water	152,000	0.2
<b>Total</b>	<b>1,293,379</b>	<b>1.4</b>

- **2010/11:** The variance between the submission and the final Model is shown above and is not greater than the rounding error. The total CAPEX in the Model is \$ 1.3 million and in submission it is \$ 1.4 million.
- **2012/13:** There is a typing error in the submission causing the table not to add correctly. The total CAPEX is \$ 2 million, which is the correct total of the line items.

### 1.2 MDBA and BRC Costs (p 47, Table 6 of submission)

#### Regulated Rivers:

- **2010/11** – No Variance between submission and Excel Model. The Government share for BRC is marginal hence it has not been included in the total.
- **2012/13** – The total User Share in the submission is \$4.7 million whereas the Model shows \$4.8 million. The variance of \$0.1 million is due to rounding.

#### Unregulated Rivers

- **2010/11** – There is a variance of \$0.1 million in Government Share for MDBC due to rounding. The total cost in submission is \$0.6 million whereas the model shows \$0.5 million.
- **2011/12** – As for 2010/11
- **2012/13** – as for 2010/11

#### Groundwater

- **2010/11:** The User Share contribution for BRC is shown as <0.1 (\$M) in the submission as it is below \$ 100,000 and therefore has not been taken into the total cost of BRC program. All the figures in the submission are in \$ Million up to one decimal, with the minimum amount being 0.1(\$M)
- **2011/12:** Same as 2010/11
- **2012/13:** Same as 2010/11

Overall the total costs of MDBA and BRC for all the projected years in the submission agree to the Excel Model.

### 1.3 Historical Costs

There are few minor variances between the Historical Costs in the submission and the Excel Model as follows:

- The Regulated Actual Opex for 2006-2010 should be \$75.5 million against \$ 75.4 Million indicated in the submission (Pg 22, Figure 6)
- The Groundwater Actual Opex for 2006-2010 should be \$44.1 million against \$ 44.2 Million indicated in the submission (Pg 22, Figure 6)
- The Excel Model is updated and correct.

## 2. Pricing Variations (Chapter 12 of submission)

The tables below show the prices as per the revised models. The last column of each table shows the 2011 price variation to the submission, with a minus sign indicating a reduction in the price. The majority of price changes are reductions, with the largest reduction being \$0.73 per ML. The largest price increase is \$0.08 per ML. The exception is the usage price for regulated rivers, section 12.3.1.2, where the variations have been caused by an error in the submission.

Note the numbering of the tables below follows the paragraph and table numbering of the submission.

### Scenario 1 – Proposed prices reflecting cost increases in core activities

#### 12.2.1 Regulated river pricing

Variations to Table 19: Tariffs on regulated rivers 100% fixed and 100% cost recovery, scenario 1

TARIFFS ON REGULATED RIVERS 100% FIXED 100% COST RECOVERY AS PER REVISED MODELS												
	2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var	
	09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$	
Minimum bill \$ pa	60.0	60.0	0%	60.0	0%	60.0	0%	0%	0.00	0.00	0.00	
<b>High Security and General Security Entitlement Charge (\$/ML)</b>												
Border \$/ML	2.62	3.47	32%	3.60	4%	3.66	2%	40%	0.01	0.01	0.01	
Gwydir \$/ML	1.29	2.17	69%	2.25	3%	2.34	4%	82%	-0.02	-0.27	-0.27	
Namoi \$/ML	2.45	4.05	65%	4.29	6%	4.43	3%	81%	-0.01	-0.26	-0.26	
Peel \$/ML	1.80	4.77	166%	5.10	7%	5.21	2%	190%	-0.16	-0.94	-0.93	
Lachlan \$/ML	1.39	2.89	108%	3.06	6%	3.21	5%	131%	0.01	-0.02	-0.02	
Macquarie \$/ML	1.70	2.81	65%	2.95	5%	3.08	5%	81%	0.00	-0.03	-0.03	
Murray \$/ML	1.67	2.56	53%	2.60	1%	2.69	4%	61%	0.01	0.00	0.00	
Murrumbidgee \$/ML	1.21	2.16	79%	2.19	1%	2.29	4%	89%	0.00	-0.01	-0.01	
North Coast \$/ML	2.99	6.85	129%	7.42	8%	8.03	8%	168%	-0.66	-2.50	-2.48	
Hunter \$/ML	1.94	6.34	226%	6.78	7%	7.03	4%	262%	-0.03	-0.11	-0.11	
South Coast \$/ML	5.43	7.10	31%	8.06	14%	8.49	5%	56%	-0.73	-1.92	-1.87	

NB: 2009/10 prices have been recalculated to a fixed price basis for comparison purposes.

## 12.2.1.2 Fixed and variable pricing

Table 20: Tariffs on regulated rivers 70/30 fixed/variable and 100% cost recovery

TARIFFS ON REGULATED RIVERS 70/30 FIXED/VARIABLE 100% COST RECOVERY AS PER REVISED MODEL												
		2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var
		09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$
Minimum bill	\$ pa	60.0	60.0	0%	60.0	0%	60.0	0%	0%	0.00	0.00	0.00
<b>High Security and General Security Entitlement Charge (\$/ML)</b>												
Border	\$/ML	1.40	2.43	73%	2.52	4%	2.56	2%	83%	0.00	0.01	0.00
Gwydir	\$/ML	0.78	1.52	94%	1.57	3%	1.64	4%	109%	-0.02	-0.19	-0.19
Namoi	\$/ML	1.21	2.84	133%	3.00	6%	3.10	3%	155%	-0.02	-0.18	-0.18
Peel	\$/ML	1.17	3.31	183%	3.56	7%	3.63	2%	210%	-0.14	-0.66	-0.65
Lachlan	\$/ML	0.97	2.02	108%	2.14	6%	2.24	5%	131%	0.00	-0.01	-0.01
Macquarie	\$/ML	0.97	1.96	102%	2.06	5%	2.16	5%	122%	0.00	-0.02	-0.02
Murray	\$/ML	1.38	2.07	50%	2.10	1%	2.18	4%	58%	0.01	0.00	0.00
Murrumbidgee	\$/ML	1.04	1.84	77%	1.86	1%	1.94	4%	87%	0.00	-0.01	-0.01
North Coast	\$/ML	2.99	6.37	113%	6.81	7%	7.49	10%	150%	-0.64	-2.41	-2.35
Hunter	\$/ML	1.23	4.44	263%	4.74	7%	4.92	4%	301%	-0.03	-0.08	-0.07
South Coast	\$/ML	2.97	5.62	89%	6.43	14%	6.78	6%	128%	-0.62	-1.53	-1.48
<b>Usage charge</b>												
Border	\$/ML	1.63	1.87	14%	1.93	4%	1.97	2%	20%	0.01	0.01	0.00
Gwydir	\$/ML	0.92	1.26	37%	1.30	4%	1.35	4%	48%	-0.01	-0.15	-0.16
Namoi	\$/ML	1.46	1.89	29%	2.00	6%	2.07	3%	42%	0.00	-0.12	-0.12
Peel	\$/ML	2.12	6.21	193%	6.52	5%	6.68	2%	215%	-0.08	-1.17	-1.16
Lachlan	\$/ML	1.12	2.65	138%	2.82	6%	2.95	5%	165%	0.01	-0.01	-0.02
Macquarie	\$/ML	1.31	2.10	60%	2.21	5%	2.31	5%	76%	0.00	-0.02	-0.02
Murray	\$/ML	0.38	0.82	118%	0.83	2%	0.86	4%	129%	0.00	0.00	0.00
Murrumbidgee	\$/ML	0.27	0.50	90%	0.51	1%	0.53	4%	101%	0.00	0.00	-0.01
North Coast	\$/ML	2.01	5.45	171%	7.00	28%	6.00	-14%	198%	-0.09	-1.06	-1.47
Hunter	\$/ML	1.21	3.06	152%	3.29	7%	3.41	4%	181%	0.00	-0.05	-0.05
South Coast	\$/ML	1.99	3.85	94%	4.26	11%	4.46	5%	124%	-0.29	-1.01	-1.01

## 12.2.2 Unregulated river pricing

### 12.2.2.1 Fixed price only basis

Note - Prices are proposed on a fixed price only basis, that is, the Office of Water does not propose fixed and variable charges for unregulated rivers and therefore has not detailed such a pricing regime in its submission.

**Table 21: Tariffs on unregulated rivers 100% fixed and 100% cost recovery, scenario 1,**

TARIFFS ON UNREGULATED RIVERS 100% FIXED 100% COST RECOVERY AS PER REVISED MODELS												
	2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var	
	09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$	
Minimum Bill \$ pa	60.00	60.00	0%	60.00	0%	60.00	0%	0%	0.00	0.00	0.00	
<b>Entitlement charge replacing two-part tariff</b>												
Border \$/ML	1.68	5.03	200%	5.43	8%	5.89	8%	251%	-0.06	-0.07	-0.08	
Gwydir \$/ML	1.68	5.03	200%	5.43	8%	5.89	8%	251%	-0.06	-0.07	-0.08	
Namoi \$/ML	1.68	5.03	200%	5.43	8%	5.89	8%	251%	-0.06	-0.07	-0.08	
Peel \$/ML	1.68	5.03	200%	5.43	8%	5.89	8%	251%	-0.06	-0.07	-0.08	
Lachlan \$/ML	2.98	7.79	161%	8.19	5%	8.66	6%	190%	-0.11	-0.11	-0.12	
Macquarie \$/ML	2.98	7.79	161%	8.19	5%	8.66	6%	190%	-0.11	-0.11	-0.12	
Far West \$/ML	3.51	5.34	52%	5.87	10%	6.17	5%	76%	-0.04	-0.05	-0.06	
Murray \$/ML	3.08	7.83	154%	8.58	10%	9.44	10%	206%	-0.17	-0.19	-0.21	
Murrumbidgee \$/ML	3.71	13.61	267%	15.07	11%	16.80	11%	353%	-0.13	-0.18	-0.25	
North Coast \$/ML	4.14	8.17	97%	8.94	9%	9.82	10%	137%	-0.06	-0.09	-0.12	
Hunter \$/ML	2.75	2.66	-3%	2.84	7%	3.03	7%	10%	-0.03	-0.03	-0.04	
South Coast \$/ML	2.15	2.90	35%	3.14	8%	3.30	5%	53%	-0.01	-0.02	-0.02	
<b>Irrigation tariffs for licences based on entitlement</b>												
Border \$/ML	2.78	5.03	81%	5.43	8%	5.89	8%	111%	-0.06	-0.07	-0.08	
Gwydir \$/ML	2.78	5.03	81%	5.43	8%	5.89	8%	111%	-0.06	-0.07	-0.08	
Namoi \$/ML	2.78	5.03	81%	5.43	8%	5.89	8%	111%	-0.06	-0.07	-0.08	
Peel \$/ML	2.78	5.03	81%	5.43	8%	5.89	8%	111%	-0.06	-0.07	-0.08	
Lachlan \$/ML	4.95	7.79	57%	8.19	5%	8.66	6%	75%	-0.11	-0.11	-0.12	
Macquarie \$/ML	4.95	7.79	57%	8.19	5%	8.66	6%	75%	-0.11	-0.11	-0.12	
Far West \$/ML	5.78	5.34	-7%	5.87	10%	6.17	5%	7%	-0.04	-0.05	-0.06	
Murray \$/ML	5.12	7.83	53%	8.58	10%	9.44	10%	84%	-0.17	-0.19	-0.21	
Murrumbidgee \$/ML	6.18	13.61	120%	15.07	11%	16.80	11%	172%	-0.13	-0.18	-0.25	
North Coast \$/ML	6.87	8.17	19%	8.94	9%	9.82	10%	43%	-0.06	-0.09	-0.12	
Hunter \$/ML	4.57	2.66	-42%	2.84	7%	3.03	7%	-34%	-0.03	-0.03	-0.04	
South Coast \$/ML	3.59	2.90	-19%	3.14	8%	3.30	5%	-8%	-0.01	-0.02	-0.02	
<b>Irrigation tariffs for licences based on area (\$/ha)</b>												
Far West \$/ML	27.07	41.19	52%	45.23	10%	47.54	5%	76%	-10.80	-10.84	-11.08	

## 12.2.3 Groundwater pricing

### 12.2.3.1 Groundwater Pricing – fixed charges only

Note - Prices are proposed on a fixed price only basis, that is, the Office of Water does not propose fixed and variable charges for groundwater and therefore has not detailed such a pricing regime in its submission.

**Table 22: Groundwater tariff 100% fixed and 100% cost recovery, scenario 1**

GROUNDWATER TARIFF 100% FIXED 100% COST RECOVERY AS PER REVISED MODELS												
	2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var	
	09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$	
Minimum bill \$ pa	60.00	60.00	0%	60.00	0%	60.00	0%	0%	0.00	0.00	0.00	
<b>Entitlement Charge</b>												
Border \$/ML	2.47	8.78	255%	8.81	0%	9.28	5%	275%	0.05	0.25	0.25	
Gwydir \$/ML	2.47	8.78	255%	8.81	0%	9.28	5%	275%	0.05	0.25	0.25	
Namoi \$/ML	2.47	8.78	255%	8.81	0%	9.28	5%	275%	0.05	0.25	0.25	
Peel \$/ML	2.47	8.78	255%	8.81	0%	9.28	5%	275%	0.05	0.25	0.25	
Lachlan \$/ML	3.06	8.78	187%	8.81	0%	9.28	5%	203%	0.05	0.25	0.25	
Macquarie \$/ML	3.06	8.78	187%	8.81	0%	9.28	5%	203%	0.05	0.25	0.25	
Far West \$/ML	4.55	8.78	93%	8.81	0%	9.28	5%	104%	0.05	0.25	0.25	
Murray \$/ML	2.63	8.78	234%	8.81	0%	9.28	5%	253%	0.05	0.25	0.25	
Murrumbidgee \$/ML	1.24	8.78	610%	8.81	0%	9.28	5%	650%	0.05	0.25	0.25	
North Coast \$/ML	4.55	7.85	73%	8.04	2%	8.14	1%	79%	-0.15	0.11	0.01	
Hunter \$/ML	4.55	7.85	73%	8.04	2%	8.14	1%	79%	-0.15	0.11	0.01	
South Coast \$/ML	4.55	7.85	73%	8.04	2%	8.14	1%	79%	-0.15	0.11	0.01	

NB: 2010 prices have been corrected – incorrectly transposed in submission.

12.3 Scenario 2 - Proposed prices reflecting cost increases in core activities and the additional costs of Commonwealth reform activities

12.3.1 Regulated river pricing

12.3.1.1 Fixed price

**Table 23: Tariffs on regulated rivers 100% fixed 100% cost recovery, Scenario 2**

TARIFFS ON REGULATED RIVERS 100% FIXED 100% COST RECOVERY INCLUDING COST OF COMMONWEALTH REFORMS AS PER REVISED MODELS												
		2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var
		09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$
<b>Minimum bill</b>	\$ pa	60.0	60.0	0%	60.0	0%	60.0	0%	0%	0.00	0.00	0.00
<b>High Security and General Security Entitlement Charge (\$/ML)</b>												
Border	\$/ML	2.62	4.26	62%	4.39	3%	4.45	1%	70%	0.04	0.04	0.04
Gwydir	\$/ML	1.29	2.65	106%	2.73	3%	2.82	3%	119%	0.00	-0.25	-0.25
Namoi	\$/ML	2.45	5.17	111%	5.41	5%	5.54	2%	126%	0.03	-0.21	-0.21
Peel	\$/ML	1.80	6.49	261%	6.81	5%	6.93	2%	286%	-0.08	-0.87	-0.87
Lachlan	\$/ML	1.39	3.65	163%	3.82	5%	3.97	4%	185%	0.04	0.01	0.01
Macquarie	\$/ML	1.70	3.53	107%	3.67	4%	3.80	4%	123%	0.02	0.00	0.00
Murray	\$/ML	1.67	3.08	84%	3.12	1%	3.21	3%	92%	0.03	0.02	0.02
Murrumbidgee	\$/ML	1.21	2.53	109%	2.56	1%	2.66	4%	120%	0.01	0.01	0.00
North Coast	\$/ML	2.99	8.40	181%	8.97	7%	9.58	7%	220%	-0.59	-2.45	-2.42
Hunter	\$/ML	1.94	8.47	336%	8.91	5%	9.16	3%	371%	0.06	-0.02	-0.02
South Coast	\$/ML	5.43	9.31	72%	10.27	10%	10.71	4%	97%	-0.62	-1.84	-1.78



### 12.3.1.2 Fixed and variable pricing

Due to a clerical error the prices in usage section of Table 24 in the submission were incorrect. The prices in the table below are as per the Model and are correct. The differences are shown in the last column and are a result of the original error, rather than changes to the cost inputs.

**Table 24: Regulated river tariffs, 70/30 fixed/variable, scenario 2**

TARIFFS ON REGULATED RIVERS 70/30 FIXED/VARIABLE 100% COST RECOVERY INCLUDING COST OF COMMONWEALTH REFORMS AS PER REVISED MODELS												
		2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var
		09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$
Minimum bill	\$ pa	60.0	60.0	0%	60.0	0%	60.0	0%	0%	0.00	0.00	0.00
<b>High Security and General Security Entitlement Charge (\$/ML)</b>												
Border	\$/ML	1.40	2.98	112%	3.07	3%	3.11	1%	122%	0.01	0.01	0.00
Gwydir	\$/ML	0.78	1.86	137%	1.91	3%	1.97	3%	152%	-0.02	-0.19	-0.19
Namoi	\$/ML	1.21	3.62	198%	3.78	5%	3.88	2%	219%	-0.01	-0.18	-0.18
Peel	\$/ML	1.17	4.54	288%	4.76	5%	4.84	2%	314%	-0.11	-0.66	-0.65
Lachlan	\$/ML	0.97	2.55	163%	2.67	5%	2.77	4%	185%	0.01	-0.01	-0.01
Macquarie	\$/ML	0.97	2.47	154%	2.57	4%	2.66	4%	174%	0.00	-0.02	-0.02
Murray	\$/ML	1.38	2.49	81%	2.52	1%	2.60	3%	88%	0.01	0.00	0.00
Murrumbidgee	\$/ML	1.04	2.15	107%	2.18	1%	2.26	4%	118%	0.00	-0.01	-0.01
North Coast	\$/ML	2.99	7.80	161%	8.34	7%	8.91	7%	198%	-0.62	-2.33	-2.31
Hunter	\$/ML	1.23	5.93	383%	6.23	5%	6.41	3%	423%	-0.02	-0.07	-0.07
South Coast	\$/ML	2.97	7.43	150%	8.20	10%	8.55	4%	188%	-0.58	-1.54	-1.49
<b>Usage charge</b>												
Border	\$/ML	1.63	2.29	40%	2.36	3%	2.39	1%	46%	0.42	0.44	0.44
Gwydir	\$/ML	0.92	1.54	67%	1.58	3%	1.63	3%	78%	0.26	0.13	0.12
Namoi	\$/ML	1.46	2.40	65%	2.52	5%	2.58	2%	77%	0.49	0.40	0.40
Peel	\$/ML	2.12	8.23	288%	8.67	5%	8.83	2%	316%	1.84	0.97	1.03
Lachlan	\$/ML	1.12	3.35	201%	3.52	5%	3.65	4%	227%	0.71	0.69	0.68
Macquarie	\$/ML	1.31	2.65	101%	2.75	4%	2.85	4%	117%	0.53	0.53	0.52
Murray	\$/ML	0.38	0.98	162%	0.99	1%	1.02	3%	173%	0.16	0.17	0.17
Murrumbidgee	\$/ML	0.27	0.59	123%	0.60	1%	0.62	4%	134%	0.08	0.09	0.09
North Coast	\$/ML	2.01	6.94	245%	7.22	4%	7.65	6%	281%	3.35	-0.14	-2.37
Hunter	\$/ML	1.21	4.10	238%	4.31	5%	4.44	3%	265%	1.02	0.96	0.97
South Coast	\$/ML	1.99	4.92	147%	5.43	10%	5.64	4%	184%	0.75	0.17	0.15

## 12.3.2 Unregulated river pricing

### 12.3.2.1 Fixed price only

Note - Prices are proposed on a fixed price only basis, that is, the Office of Water does not propose fixed and variable charges for unregulated rivers and therefore has not detailed such a pricing regime in its submission.

**Table 25: Tariffs on unregulated rivers 100% fixed 100% cost recovery**

TARIFFS ON UNREGULATED RIVERS 100% FIXED 100% COST RECOVERY INCLUDING COST OF COMMONWEALTH REFORMS AS PER REVISED MODELS												
		2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var
		09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$
<b>Minimum Bill</b>	\$ pa	60.00	60.00	0%	60.00	0%	60.00	0%	0%	0.00	0.00	0.00
<b>Entitlement charge replacing two-part tariff</b>												
Border	\$/ML	1.68	5.76	243%	6.15	7%	6.61	7%	294%	-0.03	-0.04	-0.05
Gwydir	\$/ML	1.68	5.76	243%	6.15	7%	6.61	7%	294%	-0.03	-0.04	-0.05
Namoi	\$/ML	1.68	5.76	243%	6.15	7%	6.61	7%	294%	-0.03	-0.04	-0.05
Peel	\$/ML	1.68	5.76	243%	6.15	7%	6.61	7%	294%	-0.03	-0.04	-0.05
Lachlan	\$/ML	2.98	8.94	200%	9.35	5%	9.81	5%	229%	-0.05	-0.07	-0.07
Macquarie	\$/ML	2.98	8.94	200%	9.35	5%	9.81	5%	229%	-0.05	-0.07	-0.07
Far West	\$/ML	3.51	6.76	92%	7.28	8%	7.60	4%	117%	0.01	0.00	0.00
Murray	\$/ML	3.08	9.00	192%	9.75	8%	10.61	9%	244%	-0.12	-0.14	-0.17
Murrumbidgee	\$/ML	3.71	15.57	320%	17.03	9%	18.76	10%	406%	-0.05	-0.11	-0.17
North Coast	\$/ML	4.14	9.48	129%	10.25	8%	11.13	9%	169%	-0.03	-0.04	-0.08
Hunter	\$/ML	2.75	3.12	14%	3.30	6%	3.48	6%	27%	-0.01	-0.02	-0.02
South Coast	\$/ML	2.15	3.75	74%	4.00	7%	4.15	4%	93%	0.02	0.02	0.01
<b>Irrigation tariffs for licences based on entitlement</b>												
Border	\$/ML	2.78	5.76	107%	6.15	7%	6.61	7%	138%	-0.03	-0.04	-0.05
Gwydir	\$/ML	2.78	5.76	107%	6.15	7%	6.61	7%	138%	-0.03	-0.04	-0.05
Namoi	\$/ML	2.78	5.76	107%	6.15	7%	6.61	7%	138%	-0.03	-0.04	-0.05
Peel	\$/ML	2.78	5.76	107%	6.15	7%	6.61	7%	138%	-0.03	-0.04	-0.05
Lachlan	\$/ML	4.95	8.94	81%	9.35	5%	9.81	5%	98%	-0.05	-0.07	-0.07
Macquarie	\$/ML	4.95	8.94	81%	9.35	5%	9.81	5%	98%	-0.05	-0.07	-0.07
Far West	\$/ML	5.78	6.76	17%	7.28	8%	7.60	4%	32%	0.01	0.00	0.00
Murray	\$/ML	5.12	9.00	76%	9.75	8%	10.61	9%	107%	-0.12	-0.14	-0.17
Murrumbidgee	\$/ML	6.18	15.57	152%	17.03	9%	18.76	10%	203%	-0.05	-0.11	-0.17
North Coast	\$/ML	6.87	9.48	38%	10.25	8%	11.13	9%	62%	-0.03	-0.04	-0.08
Hunter	\$/ML	4.57	3.12	-32%	3.30	6%	3.48	6%	-24%	-0.01	-0.02	-0.02
South Coast	\$/ML	3.59	3.75	5%	4.00	7%	4.15	4%	16%	0.02	0.02	0.01

### 12.3.3 Groundwater pricing

#### 12.3.3.1 Fixed charges only

Note - Prices are proposed on a fixed price only basis, that is, the Office of Water does not propose fixed and variable charges for groundwater and therefore has not detailed such a pricing regime in its submission.

**Table 26: Groundwater tariffs 100% fixed 100% cost recovery, scenario 2**

GROUNDWATER TARIFF 100% FIXED 100% COST RECOVERY INCLUDING COST OF COMMONWEALTH REFORMS AS PER REVISED MODELS												
		2010	2011 Y o Y		2012 Y o Y		2013 Y o Y		TOTAL	2011 Var	2012 Var	2013 Var
		09/10\$	09/10\$	% Inc	09/10\$	% Inc	09/10\$	% Inc	% Inc	from Sub\$	from Sub\$	from Sub\$
Minimum bill	\$ pa	60.00	60.00	0%	60.00	0%	60.00	0%	0%	0.00	0.00	0.00
<b>Entitlement Charge</b>												
Border	\$/ML	2.47	9.64	290%	9.68	0%	10.17	5%	311%	0.07	0.28	0.29
Gwydir	\$/ML	2.47	9.64	290%	9.68	0%	10.17	5%	311%	0.07	0.28	0.29
Namoi	\$/ML	2.47	9.64	290%	9.68	0%	10.17	5%	311%	0.07	0.28	0.29
Peel	\$/ML	2.47	9.64	290%	9.68	0%	10.17	5%	311%	0.07	0.28	0.29
Lachlan	\$/ML	3.06	9.64	215%	9.68	0%	10.17	5%	233%	0.07	0.28	0.29
Macquarie	\$/ML	3.06	9.64	215%	9.68	0%	10.17	5%	233%	0.07	0.28	0.29
Far West	\$/ML	4.55	9.64	112%	9.68	0%	10.17	5%	124%	0.07	0.28	0.29
Murray	\$/ML	2.63	9.64	267%	9.68	0%	10.17	5%	287%	0.07	0.28	0.29
Murrumbidgee	\$/ML	1.24	9.64	679%	9.68	0%	10.17	5%	722%	0.07	0.28	0.29
North Coast	\$/ML	4.55	8.87	95%	9.06	2%	9.16	1%	101%	-0.11	0.14	0.05
Hunter	\$/ML	4.55	8.87	95%	9.06	2%	9.16	1%	101%	-0.11	0.14	0.05
South Coast	\$/ML	4.55	8.87	95%	9.06	2%	9.16	1%	101%	-0.11	0.14	0.05

NB: 2010 prices have been corrected – incorrectly transposed in submission.