Southern Region Water Supply and Sewerage Development Servicing Plan 2019 Version 2.0 Oct 2019

Appendix J

Southern Region Developer Charges Calculation Sheet

Southern Region Sewerage

CALCULATION OF MAXIMUM PRICE

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Note: an input is required in \$F\$21 to incorporate the Headwork costs per ET into the maximum price.

Table 1: Calculation of maximum price (\$, \$2019-20)

	1 1.7 :					
						Reduction for
				Post-1996	Post-1996	expected
		Headworks		commissioned	uncommissione	revenue and
Maximum price		costs per ET	Pre-1996 assets	assets	d assets	operation costs
Co	sts to be recovered via DSP		139,482,493	4,916,625	7,338,460	26,802,343
ET	3		26,017	36,528	36,528	6,907
1,816 Va	ue per ET	0.00	5,361	135	201	3,881
1,816 Va	ue per E i	0.00	5,361	135	201	3,881

Table 2: Key variables used in maximum price calculation (\$, \$2019-20)

Sum of PV of new ETs Sum of PV of new ETs (discounted at sexpected commissioned uncommissione (discounted at In we ETs new ETs expected assets assets dassets expected future (discounted at (discounted at (discounted at (discounted at (discounted at expected future Sum of new ETs (not pre-1996 asset cost-1996 asset post-1996 asset cost-1996 asset <th></th> <th></th> <th></th> <th>Sum of PV of new ETs</th> <th>Sum of PV of Pre- 1996</th> <th>Sum of PV of Post-1996</th> <th>Sum of PV of Post-1996</th> <th>Sum of PV of revenue for new customers</th>				Sum of PV of new ETs	Sum of PV of Pre- 1996	Sum of PV of Post-1996	Sum of PV of Post-1996	Sum of PV of revenue for new customers
(discounted at (discounted at revenue and (discounted at (discounted at (discounted at revenue and Sum of new ETs (not pre-1996 asset post-1996 asset costs discount pre-1996 asset post-1996 asset costs discount				(discounted at	commissioned	commissioned	uncommissione	(discounted at
								•
discount rate) discount rate) rate) discount rate) discount rate) discount rate) rate)	Sum of new ETs (not	pre-1996 asset	post-1996 asset	costs discount	pre-1996 asset	post-1996 asset	post-1996 asset	costs discount
	discounted)	discount rate)	discount rate)	rate)	discount rate)	discount rate)	discount rate)	rate)

Southern Region Water Supply

CALCULATION OF MAXIMUM PRICE

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Note: an input is required in \$F\$21 to incorporate the Headwork costs per ET into the maximum price.

Table 1: Calculation of maximum price (\$, \$2019-20)

		Headworks costs		Post-1996 commissioned	Post-1996 uncommissioned	Reduction for expected revenue and
Maximum price		per ET	Pre-1996 assets	assets	assets	operation costs
	Costs to be recovered via DSP	Γ	14,558,850	2,591,711	326,692	13,678,003
	ETs		26,274	37,040	37,040	6,907
2,585	Value per ET	3,933.00	554	70	9	1,980

Table 2: Key variables used in maximum price calculation (\$, \$2019-20)

26,274	26,274	37,040	6,907	14,558,850	2,591,711	326,692	33,088,708
discounted)	discount rate)	discount rate)	rate)	discount rate)	discount rate)	discount rate)	rate)
Sum of new ETs (not	pre-1996 asset	post-1996 asset	costs discount	pre-1996 asset	post-1996 asset	post-1996 asset	costs discount
	(discounted at	(discounted at	revenue and	(discounted at	(discounted at	(discounted at	revenue and
	new ETs	new ETs	expected	assets	assets	assets	expected future
	Sum of PV of	Sum of PV of	(discounted at	commissioned	commissioned	uncommissioned	(discounted at
			new ETs	1996	Post-1996	Post-1996	customers
			Sum of PV of	Sum of PV of Pre-	Sum of PV of	Sum of PV of	Sum of PV of revenue for new