

Table WRP2: Feasible list of water management options

WATER MANAGEMENT OPTION COST AND SOLUTION - TO BE COMPLETED FOR ALL FEASIBLE OPTIONS													
ROW Ref.	DERIVATION	OPTION DESCRIPTION <i>[Insert / delete non-numbered lines to suit]</i>	OPTION REFERENCE No.	WAFU ON FULL IMPLEMENTATION (M/d)	EARLIEST POTENTIAL OPTION START DATE (YEAR)	NPV of WAFU (M)	CAPEX NPV (£000)	OPEX NPV (£000)	NPV of OPEX SAVINGS (£000)	SOCIAL & ENV. NPV (£000)	TOTAL NPV (£000)	AIC (p/M ³)	AISC (p/M ³)
54	Input as appropriate	Customer Side Management, Specify Below....											
		Change of occupier metering all	D003	1.156017719	2010	1156.02	2250.00	1236.33	82.91	-651.62	2751.80	294.41	238.04
		Change of occupier large garden	D004	1.2105766	2010	1210.58	450.00	486.97	86.82	-173.91	676.24	70.23	55.86
		Compulsory metering	D011	1.138346392	2020	1138.35	900.00	1217.43	81.64	-258.33	1777.46	178.84	156.14
		Non-Household metering	D010	0.270277562	2010	270.28	160.00	97.39	19.38	-39.92	198.09	88.06	73.29
		Cistern displacement device distribution	D016	0.21	2010	115.36	0.00	167.06	8.56	14.77	173.26	137.39	150.20
		Retro-fit WCs with dual/variable flush devices	D006	0.288	2010	403.57	0.00	4261.44	29.96	39.18	4270.66	1048.51	1058.22
		Business Customer Audits	D005	1.5	2010	824.00	0.00	225.75	61.16	-7.53	157.06	19.97	19.06
		Intelligent Metering Radio Networks	D0020	0.060320255		60.32	105.00	-46.42	4.33	26.56	80.81	89.94	133.97
55	Input as appropriate	Distribution Side Management, Specify Below....											
		Pressure Scheme summary	L007	3.887973328	2010	19486.93	1154.00	229.32	1446.49	-143.92	-207.10	-0.32	-1.06
		Leak noise loggers ALC freq/year > 5 per wwwmd	L000	0.180946239	2010	438.64	32.30	2.67	32.56	3.69	6.10	0.55	1.39
		Extension of Free Private Leak to all households	L008	0.46329071	2010	2322.06	0.00	1607.84	172.36	-12.54	1422.93	61.82	61.28
		Permanent WWMD logging	L006	0.526095765	2010	1275.33	95.00	-26.17	94.67	67.57	41.73	-2.03	3.27
		Doubling ALC expenditure	L005	4.739351157	2010	1729.86	0.00	708.00	128.41	7.57	587.17	33.51	33.94
		Mains Replacement	L001	0.013384465	2010	130.54	1620.00	0.00	139.61	68.02	1548.41	1134.08	1186.18
		Mains Replacement with Services	L001a	0.095382936	2010	930.26	2008.08	0.00	266.79	61.65	1802.94	187.18	193.81
		Zonal Replacement	L002	0.255305466	2010	2489.96	2857.75	0.00	532.40	30.81	2356.16	93.39	94.63
		Subsidised Service Pipe Replacement	L004	0.331737874	2010	3235.40	2190.00	0.00	571.78	-39.66	1578.56	50.02	48.79
		Lead CP Replacement	L003	0.532457601	2010	5192.99	4225.00	0.00	825.84	-62.78	3336.39	65.46	64.25
56	Input as appropriate	Production Side Management, Specify Below....											
		Stowey WTW Wastewater Recovery	S012	2	2010	12031.51	500.00	129.58	0.00	467.04	1096.61	5.23	9.11
57	Input as appropriate	Resource Management, Specify Below....											
		Minor Sources	S006	4.7	2010	27317.91	10519.08	4218.67	0.00	131.90	14869.66	53.95	54.43
		Southern Sources Upgrade	S017	6.7	2010	38942.55	16515.94	7749.52	0.00	404.26	24669.72	62.31	63.35
		Consolidated Mendip Sources	S004	6.7	2015	48751.50	82120.31	19347.67	0.00	4552.51	106020.49	208.13	217.47
		Purton Bankside Reservoir	S013	25	2020	219913.46	171874.92	104835.39	0.00	12298.34	289008.65	125.83	131.42
		Cheddar New Reservoir	S001	20	2020	143119.79	83117.76	1887.02	0.00	-420.69	84584.10	59.39	59.10
		City Docks/Barrow Transfer	S012	30	2015	168473.09	65708.30	42750.62	0.00	3687.78	112146.70	64.38	66.57
		Desalination	S008	30	2020	168473.09	88343.05	65356.00	0.00	8020.32	161719.37	91.23	95.99
		Effluent Reuse Commercial	S007	20	2020	116246.43	78968.81	30362.70	0.00	3904.56	113236.08	94.05	97.41
		Effluent Reuse	S016	20	2020	116246.43	93715.19	43199.98	0.00	5551.13	142466.30	117.78	122.56
		Chew Valley pumped storage	S015	30	2020	168473.09	84049.57	42009.90	0.00	5768.05	131827.52	74.82	78.25
		Honeyhurst Well	S020	2.4	2015	13477.85	2771.87	756.73	15.39	57.41	3570.62	26.07	26.49
		Gurney Slade Well	S022	1.5	2015	8423.65	4281.78	646.05	30.77	36.50	4933.56	58.13	58.57
		Holes Ash Spring	S024	0.8	2015	4340.69	3169.78	541.02	44.60	19.56	3685.77	84.46	84.91
		Charterhouse Spring	S026	0.8	2015	4340.69	2995.87	541.02	59.46	19.56	3496.99	80.11	80.56
		Forum Spring	S028	1	2015	5615.77	2756.71	584.56	76.93	24.88	3289.22	58.13	58.57
		Severn Springs	S002	15	2020	87184.82	43220.65	10038.49	0.00	621.02	53880.16	61.09	61.80

Company:	<u>Bristol Water</u>
Resource Zone Name	<u>Company Supply Area</u>
Resource Zone Number:	<u>1</u> of <u>1</u>
Planning Scenario Name:	<u>Company Core Strategy</u>
Chosen Level of Service:	<u>1 in 15</u>

