

Water Resources Planning Guideline supply-demand workbook - Version 2.8

Instructions for completing these tables is contained within chapters 13 - 22 of the Water Resources Planning Guideline

The Guideline and tables are available on the Environment Agency website at www.environment-agency.gov.uk/business/sectors/39687.aspx

All queries on the content of this workbook should be sent to water-company-plans@ea.gov.uk

Yellow shaded cells are calculated cells. Do not input data to these cells.

Blue shaded cells represent the base-year data (**Scenario Year 2006-07**)

Shaded cells do not require any input

Shaded cells require input where data is available

Resource Zone and sign off information:

Please enter the information below to identify this workbook. This will be copied through to all work sheets.

Company: Yorkshire water
Resource Zone Name: Grid SWZ ECPL
Resource Zone Number: 1 of 3
Planning Scenario Name: Dry year annual average
Chosen Level of Service: 1 in 25

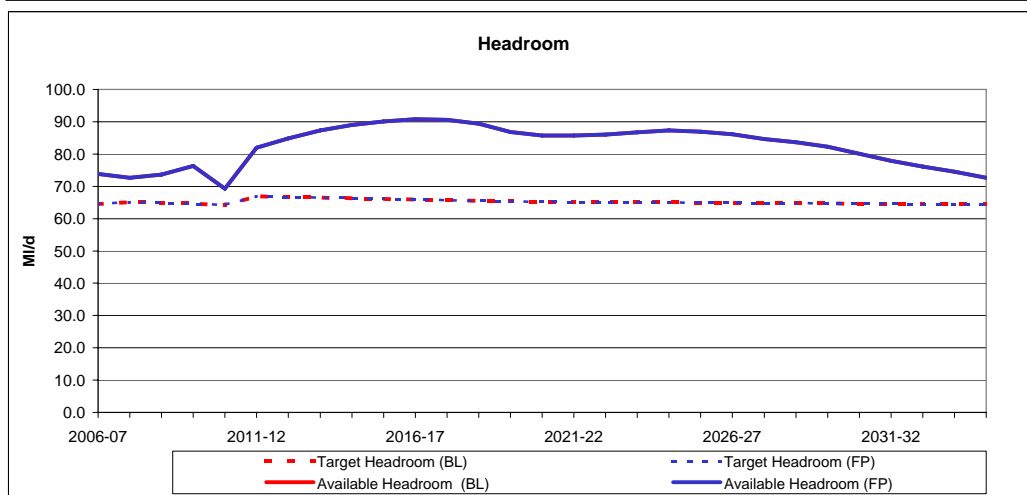
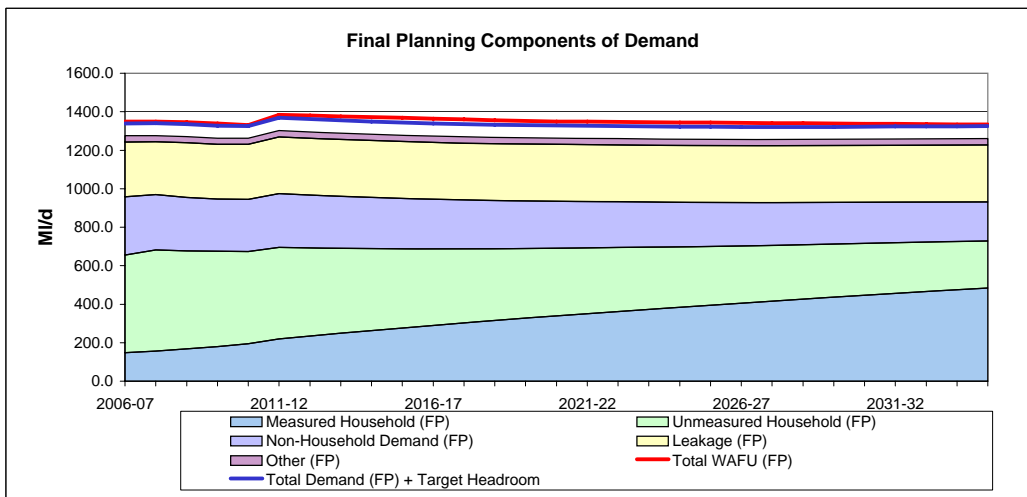
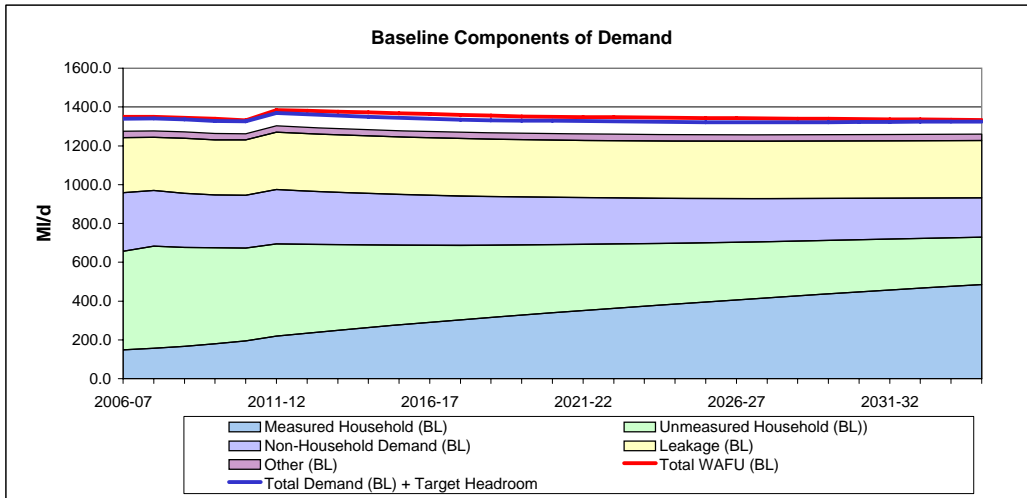
Responsible Officer: Clare Dunlop Signed: _____ Dated: _____

Version: **Final***
* delete as appropriate

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Company:	Yorkshire water
Resource Zone Name	Grid SWZ ECPL
Resource Zone Number:	1 of 3
Planning Scenario Name:	Dry year annual average
Chosen Level of Service:	1 in 25

Table WRP1-BL: Baseline supply-demand components

ROW Ref.	DERIVATION	DESCRIPTION	UNITS	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
BASIC RESOURCES BASELINE																																	
1 _{BL}	Input	Deployable Output (Specify individual Source Yields on Table WRP5)	MI/d	1401.55	1364.65	1360.77	1355.51	1347.45	1402.90	1398.94	1394.98	1391.03	1387.07	1383.11	1379.15	1375.19	1371.23	1368.86	1367.75	1366.64	1365.53	1364.42	1363.32	1362.21	1361.10	1359.99	1358.88	1357.77	1356.67	1355.56	1354.45	1353.34	
2 _{BL}	WRP1a-BL 2 _{BL}	Reductions in Deployable Output	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3 _{BL}	Input	Outage Allowance	MI/d	100.54	54.93	54.93	54.93	54.93	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	
4 _{BL}	9 _{BL} +11 _{BL}	Process Losses	MI/d	9.91	7.67	7.67	7.67	7.67	7.67	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63		
5 _{BL}	1 _{BL} -(2 _{BL} +3 _{BL} +4 _{BL})	Water Available For Use (own sources)	MI/d	1291.10	1302.05	1298.18	1292.91	1284.85	1338.35	1334.39	1330.43	1326.48	1322.52	1318.56	1314.60	1310.64	1306.68	1304.31	1303.20	1302.09	1300.98	1299.88	1298.77	1297.66	1296.55	1295.44	1294.33	1293.23	1292.12	1291.01	1289.90	1288.79	
RAW WATER BASELINE																																	
6 _{BL}	Input	Raw Water Abstracted	MI/d	1227.18	1237.03	1232.20	1224.23	1223.29	1266.02	1259.19	1252.73	1247.06	1242.03	1237.43	1233.60	1230.86	1229.53	1228.24	1227.13	1225.67	1223.88	1222.23	1221.46	1221.20	1221.56	1221.43	1221.70	1222.73	1223.89	1224.50	1225.04	1225.81	
7 _{BL}	WRP1a-BL 7 _{BL}	Raw Water Exported (existing)	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8 _{BL}	WRP1a-BL 8 _{BL}	Raw Water Imported (existing)	MI/d	57.91	47.03	46.88	46.74	46.59	46.44	46.30	46.15	46.01	45.86	45.71	45.57	45.42	45.27	45.19	45.14	45.10	45.06	45.02	44.98	44.94	44.90	44.86	44.82	44.78	44.73	44.69	44.65	44.61	
9 _{BL}	Input	Raw Water Losses and Operational Use	MI/d	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		
10 _{BL}	WRP1a-BL 10 _{BL}	Non Potable Supplies (existing)	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
POTABLE WATER TO POINT OF DELIVERY BASELINE																																	
11 _{BL}	Input	Treatment Works Losses and Operational Use	MI/d	9.66	7.42	7.42	7.42	7.42	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38		
12 _{BL}	WRP1a-BL 12 _{BL}	Potable Water Exported	MI/d	0.25	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31		
13 _{BL}	WRP1a-BL 13 _{BL}	Potable Water Imported	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
14 _{BL}	Input	Distribution Input	MI/d	1274.93	1276.08	1271.10	1262.99	1261.90	1302.52	1295.55	1288.95	1283.13	1277.95	1273.20	1269.23	1266.34	1264.86	1263.48	1262.33	1260.83	1259.00	1257.31	1256.50	1256.20	1256.52	1256.35	1256.58	1257.56	1258.68	1259.25	1259.75	1260.48	
15 _{BL}	Input	Distribution Losses	MI/d	219.43	211.44	220.94	220.96	220.97	229.18	229.19	229.21	229.22	229.23	229.24	229.25	229.26	229.27	229.28	229.29	229.30	229.31	229.32	229.33	229.34	229.35	229.36	229.37	229.38	229.39	229.40	229.41	229.42	
16 _{BL}	Input	Distribution System Operational Use	MI/d	4.90	3.60	3.60	3.60	3.61	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74		
17 _{BL}	14 _{BL} -15 _{BL} -16 _{BL}	Water Delivered	MI/d	1050.60	1061.03	1046.55	1038.42	1037.32	1069.60	1062.62	1056.00	1050.17	1044.99	1040.23	1036.25	1033.36	1031.87	1030.49	1029.33	1027.83	1025.99	1024.29	1023.47	1023.16	1023.48	1023.31	1023.54	1024.52	1025.63	1026.19	1026.69	1027.41	
POTABLE WATER CUSTOMER USE BASELINE																																	
18 _{BL}	Input	Unmeasured Household - Population	000's	3112.870	3271.285	3161.165	3054.399	2930.108	2894.515	2775.001	2662.058	2553.962	2457.751	2367.772	2282.930	2203.272	2128.395	2058.163	1990.805	1925.950	1864.145	1804.186	1747.212	1692.802	1641.075	1589.878	1540.978	1495.148	1451.061	1407.282	1364.582	1323.481	
19 _{BL}	Input	Unmeasured Household - Properties	000's	1273.310	1236.083	1236.083	1204.276	1169.460	1162.826	1121.209	1081.607	1043.705	1007.294	974.964	944.506	915.643	888.170	861.923	836.773	812.613	789.358	766.932	745.276	724.335	704.066	684.429	665.389	646.916	628.984	611.569	594.649	578.205	
20 _{BL}	18 _{BL} /19 _{BL}	Unmeasured Household - Occupancy Rate	h/pr	2.44	2.65	2.56	2.54	2.51	2.49	2.48	2.46	2.45	2.43	2.42	2.41	2.40	2.39	2.38	2.37	2.36	2.35	2.34	2.34	2.33	2.32	2.31	2.30	2.29	2.29	2.29	2.29		
21 _{BL}	WRP6-6.1 _{BL}	Measured Household - Population	000's	94.954	1303.356	1399.798	1508.501	1629.490	1835.356	1961.467	2085.779	2208.600	2324.020	2437.537	2548.978	2658.936	2767.433	2874.848	2979.272	3080.502	3179.839	3275.708	3370.583	3464.290	3550.277	3631.666	3712.552	3795.424	3877.597	3955.405	4030.889	4105.762	
22 _{BL}	WRP6-6.2 _{BL}	Measured Household - Properties	000's	48.200	599.911	645.010	689.933	740.149	832.421	886.943	941.224	995.679	1047.754	1099.512	1150.949	1201.934	1252.307	1301.945	1350.785	1398.811	1446.045	1492.524	1538.292	1583.391	1624.581	1665.173	1705.198	1744.683	1783.650	1822.122	1860.118	1897.656	
23 _{BL}	21 _{BL} /22 _{BL}	Measured Household - Occupancy Rate	h/pr	1.97	2.17	2.17	2.19	2.20	2.21	2.22	2.22	2.22	2.22	2.21	2.21	2.21	2.21	2.21	2.20	2.20	2.19	2.19	2.19	2.19	2.18	2.18	2.17	2.17	2.17	2.17	2.16		
24 _{BL}	Input	Unmeasured Non Household - Population	000's	5.874	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	6.380	
25 _{BL}	Input	Unmeasured Non Household - Properties	000's	16.385	15.658	15.094	14.549	14.025	14.256	13.742	13.247	12.769	12.309	11.865	11.437	11.025	10.627	10.244	9.874	9.518	9.175	8.844	8.524	8.204	7.894	7.594	7.304	7.024	6.754	6.494	6.244	6.004	
26 _{BL}	Input	Measured Non Household - Population	000's	374.049	85.323	85.323	85.323	85.323	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	88.896	
27 _{BL}	Input	Measured Non Household - Properties	000's	0.107	104.900	104.900	104.900	104.900	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	111.700	
28 _{BL}	18 _{BL} +21 _{BL} +24 _{BL} +26 _{BL}	Total Population	000's	3587.747	4666.344	4652.666	4654.603	4651.300	4825.467	4832.064	4843.433	4858.159	4877.367	4900.905	4927.504	4957.805	4991.425	5028.607	5065.672	5102.048	5139.579	5175.490	5213.391	5252.688	5286.948	5317.140	5349.126	5386.168	5424.254	5458.283	5491.067	5524.839	
29 _{BL}	Input	Void Households	000's	98.120	105.178	0.955	110.769	109.903	113.598	113.598	113.598	113.598	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	112.942	
30 _{BL}	Input	Void Non Households	000's	18.703	19.979	0.929	21.232	21.935	24.708	25.399	26.090	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	26.782	
30.1 _{BL}	22 _{BL} /(22																																

Table WRP1a-BL: Baseline WRP1 supporting transfer and DO reductions data

ROW Ref.	DERIVATION	DESCRIPTION <i>[Insert/delete non-numbered lines to suit]</i>	UNITS	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
2a _{BL}	Input as appropriate	Reductions in Baseline Deployable Output: Total here and specify below	M/d	0.00	0.00	3.87	7.75	11.62	15.83	19.79	23.75	27.71	31.67	35.63	39.58	43.54	47.50	49.88	50.98	52.09	53.20	54.31	55.42	56.53	57.63	58.74	59.85	60.96	62.07	63.18	64.28	65.39	
		Climate change	M/d	0.00	0.00	3.87	7.75	11.62	15.83	19.79	23.75	27.71	31.67	35.63	39.58	43.54	47.50	49.88	50.98	52.09	53.20	54.31	55.42	56.53	57.63	58.74	59.85	60.96	62.07	63.18	64.28	65.39	
			M/d																														
			M/d																														
			M/d																														
7a _{BL}	Input as appropriate	Baseline Raw Water Exported (existing). Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	M/d																														
		to	M/d																														
		to	M/d																														
8a _{BL}	Input as appropriate	Baseline Raw Water Imported (existing). Total here and specify below	M/d	57.91	47.03	46.88	46.74	46.59	46.44	46.30	46.15	46.01	45.86	45.71	45.57	45.42	45.27	45.19	45.14	45.10	45.06	45.02	44.98	44.94	44.90	44.86	44.82	44.78	44.73	44.69	44.65	44.61	
		from Severn Trent Water	M/d	57.91	47.03	46.88	46.74	46.59	46.44	46.30	46.15	46.01	45.86	45.71	45.57	45.42	45.27	45.19	45.14	45.10	45.06	45.02	44.98	44.94	44.90	44.86	44.82	44.78	44.73	44.69	44.65	44.61	
		from	M/d																														
		from	M/d																														
10a _{BL}	Input as appropriate	Baseline Non Potable Supplies (existing). Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	M/d																														
		to	M/d																														
		to	M/d																														
12a _{BL}	Input as appropriate	Baseline Potable Water Exported. Total here and specify below	M/d	0.25	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	
		to Anglian Water	M/d	0.25	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
		to	M/d																														
		to	M/d																														
13a _{BL}	Input as appropriate	Baseline Potable Water Imported. Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		from	M/d																														
		from	M/d																														
		from	M/d																														

Company:	Yorkshire water
Resource Zone Name	Grid SWZ ECPL
Resource Zone Number:	1 of 3
Planning Scenario Name:	Dry year annual average
Chosen Level of Service:	1 in 25

Table WRP2: Feasible list of water management options

ROW Ref.	DERIVATION	OPTION DESCRIPTION <i>[Insert / delete non-numbered lines to suit]</i>	WATER MANAGEMENT OPTION COST AND SOLUTION - TO BE COMPLETED FOR ALL FEASIBLE OPTIONS										
			OPTION REFERENCE No.	WAFU ON FULL IMPLEMENTATION (Ml/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....											
		Conservation - Save a Flush Option 1	C01	1.8	2010	11295.24	1479.46	0.00	-579.45	428.55	1328.56	13.10	11.76
		Conservation - Save a Flush Option 2	C02	3.6	2010	22590.48	2958.92	0.00	-1158.89	879.97	2680.01	13.10	11.86
		Urinal Controllers	C03	1.32	2010	8661.07	501.21	0.00	-444.31	250.21	307.11	5.79	3.55
		Metering on Change of Occupancy	C04	12.69	2009	83358.02	249255.97	53862.78	-4276.27	5660.26	304502.74	363.63	365.30
		Metering 50,000 Domestic Meter Optants	C05	0.61	2009	4006.97	18463.41	3989.84	-205.56	301.24	22548.92	560.36	562.74
		Water efficiency visit and fix	C06	1.00	2010	6708.74	10693.19	0.00	-344.16	328.39	10677.42	159.39	159.16
55	Input as appropriate	Distribution Side Management, Specify Below....											
		Leakage reduction 5 Ml/d	D01	5	2009	35909.77	1710.20	1140.13	-1842.17	-520.27	487.89	7.94	1.36
		Leakage reduction 5 Ml/d	D02	5	2010	34309.43	1690.07	1126.71	-1760.07	-433.62	623.09	8.21	1.82
		Leakage reduction 5 Ml/d	D03	5	2011	34309.43	1749.11	1166.07	-1760.07	-339.05	816.05	8.50	2.38
		Leakage reduction 5 Ml/d	D04	5	2010	32778.01	1731.57	1154.38	-1681.51	-547.59	656.86	8.80	2.00
		Leakage reduction 5 Ml/d	D05	5	2011	32778.01	1795.53	1197.02	-1681.51	-314.28	996.76	9.13	3.04
		Leakage reduction 5 Ml/d	D06	5	2012	31312.53	1781.02	1187.35	-1606.33	-294.19	1067.84	9.48	3.41
		Leakage reduction 5 Ml/d	D07	5	2013	29910.16	1768.44	1178.96	-1534.39	-368.17	1044.83	9.85	3.49
		Leakage reduction 5 Ml/d	D08	5	2014	28568.18	1757.85	1171.90	-1465.55	-366.93	1097.27	10.26	3.84
		Leakage reduction 5 Ml/d	D09	5	2015	27283.99	1749.33	1166.22	-1399.67	-323.35	1192.53	10.69	4.37
		Mains Replacement/ Re-line Phase 1	D10	5	2010	33543.72	56715.25	0.00	-1720.79	-120.40	54874.06	169.08	163.59
		Mains Replacement/ Re-line Phase 2	D11	5	2012	30611.35	69286.25	-1570.36	-1570.36	106.39	67822.27	221.21	221.56
		Mains Replacement/ Re-line Phase 3	D12	5	2014	27926.09	49875.92	0.00	-1432.61	65.05	48508.36	178.60	173.70
		DMA optimisation and pressure management	D13	3	2010	19227.16	328.20	0.00	-986.35	-408.76	-1066.91	1.71	-5.55
		Supply pipe leakage reduction	D14	1.2	2009	8618.34	4461.32	0.00	-442.12	-164.40	3854.80	51.77	44.73
56	Input as appropriate	Production Side Management, Specify Below....											
57	Input as appropriate	Resource Management, Specify Below....											
		Swale Groundwater Sources	R01	2	2009	13723.77	1.62	257.90	0.00	28.00	287.52	1.89	2.10
		East Yorkshire Treatment Works Optimisation	R02	12.5	2010	85773.58	2056.32	7450.69	0.00	1161.96	10668.97	11.08	12.44
		Re-use of Abandoned Industrial Licences	R03	1	2010	6555.60	997.68	538.94	0.00	32.47	1569.09	23.44	23.94
		Ouse Raw Water Transfer	R04	52	2010	311065.70	6041.48	11057.77	0.00	6913.38	24012.62	5.50	7.72
		Tees to Derwent Pipeline Option 1 Phase 1	R05	37.5	2010	234844.00	62337.03	54279.49	0.00	23244.69	139861.22	49.66	59.55
		Tees to Derwent Pipeline Option 1 Phase 2	R06	37.5	2010	234844.00	0.00	48550.07	0.00	20023.05	68573.12	20.67	29.20
		Tees to Derwent Pipeline Option 1 Phase 3	R07	75	2010	469688.00	0.00	91244.60	0.00	38758.79	130003.39	19.43	27.68
		Tees to Derwent Pipeline Option 2 Phase 1	R08	37.5	2010	234844.00	65143.97	22695.23	0.00	17507.59	105346.79	37.40	44.86
		Tees to Derwent Pipeline Option 2 Phase 2	R09	37.5	2010	234844.00	90.11	16404.92	0.00	14273.96	30768.98	7.02	13.10
		Tees to Derwent Pipeline Option 2 Phase 3	R10	75	2010	469688.00	180.22	26954.30	0.00	27020.05	54154.56	5.78	11.53
		Bankside Storage on the River Ouse	R11	120	2010	717843.93	109614.13	45920.85	0.00	9332.88	164867.86	21.67	22.97
		River Ouse Treatment Works Extension Option 1	R12	22	2010	131604.72	12783.80	8864.84	0.00	3347.64	24996.27	16.45	18.99
		River Ouse Treatment Works Extension Option 2	R13	69	2010	412760.26	47344.98	23451.06	0.00	9496.58	80292.63	17.15	19.45
		Reservoir Extension Stage 1	R14	40	2025	107938.83	46739.53	25136.18	0.00	4895.04	76770.74	66.59	71.12
		Reservoir Extension Stage 2	R15	130	2025	350801.21	110475.25	96497.00	0.00	17747.69	224719.94	59.00	64.06
		Dales Pipeline	R16	6	2011	34281.82	8495.36	1127.43	0.00	8423.24	18046.03	28.07	52.64
		Increased River Ouse Pump Storage Capacity	R17	10	2010	65556.02	19368.24	5811.54	0.00	2343.29	27523.08	38.41	41.98
		River Aire Abstraction Option 1	R18	10	2010	59820.33	10839.69	5216.00	0.00	13526.08	29581.77	26.84	49.45
		River Aire Abstraction Option 2	R19	50	2010	299101.64	64396.71	66583.12	0.00	35969.22	166949.04	43.79	55.82
		River Aire Abstraction Option 3	R20	20	2010	119640.65	57644.65	55829.63	0.00	20753.39	134227.67	94.85	112.19

	New Pumped Reservoir Refill Scheme	R21	5	2011	29910.16	2968.59	3145.36	0.00	7571.92	13685.87	20.44	45.76
	River Calder Abstraction	R22	10	2010	57136.37	5735.56	5879.29	0.00	23295.82	34910.66	20.33	61.10
	Supply Dales from the Tees Option 1	R23	20	2010	119640.65	49373.68	33557.82	0.00	12662.67	95594.18	69.32	79.90
	Supply Dales from the Tees Option 2	R24	16	2010	119640.65	58358.21	16114.35	0.00	9193.74	83666.31	62.25	69.93
	Minewater Scheme 1	R25	2	2010	13111.20	3183.80	6479.73	0.00	6198.41	15861.94	73.70	120.98
	Minewater Scheme 2	R26	10	2010	62625.07	11810.77	5907.34	0.00	42755.40	60473.51	28.29	96.56
	River Trent Abstraction	R27	32	2011	182836.37	96493.25	74114.93	0.00	11748.60	182356.78	93.31	99.74
	Extended Groundwater Scheme Phase 1	R28	9.98	2010	58724.66	3691.86	788.07	0.00	-216.50	4263.43	7.63	7.26
	Extended Groundwater Scheme Phase 2	R29	16	2010	94147.76	3949.35	1445.44	0.00	-687.26	4707.52	5.73	5.00
	Pennine Dam Raising Scheme 1	R30	2	2010	11964.07	2756.61	613.76	0.00	144.00	3514.37	28.17	29.37
	Pennine Dam Raising Scheme 2	R31	0.28	2010	1835.57	210.60	94.16	0.00	3.75	308.51	16.60	16.81
	Pennine Dam Raising Scheme 3	R32	0.05	2010	313.13	56.04	16.06	0.00	1.13	73.23	23.03	23.39
	Desalination	R33	20	2011	99516.51	28756.09	36723.78	0.00	6725.61	72205.49	65.80	72.56
	Reservoir De-silting	R34	22.2	2009	152333.88	108801.81	0.00	0.00	1143.28	109945.09	71.42	72.17
	Washburn Dam Raising	R35	2.2	2010	13160.47	1699.51	1924.73	0.00	18.55	3642.78	27.54	27.68
	Wensleydale Dam Raising Option 1	R36	0.37	2010	2425.57	28.63	124.43	0.00	22.89	175.96	6.31	7.25
	Wensleydale Dam Raising Option 2	R37	0.64	2010	4195.59	493.25	215.23	0.00	46.65	755.14	16.89	18.00
	River Water Recharge	R38	25	2010	149550.82	3914.00	9005.84	0.00	2271.30	15191.13	8.64	10.16
	Tees to Swale River Transfer Option 1 Phase 1	R39	45	2010	281812.80	15720.34	54912.18	0.00	15187.30	85819.82	25.06	30.45
	Tees to Swale River Transfer Option 1 Phase 2	R40	30	2010	187875.20	0.00	35669.56	0.00	13289.24	48958.80	18.99	26.06
	Tees to Swale River Transfer Option 1 Phase 3	R41	75	2010	469688.00	0.00	89173.91	0.00	22022.71	111196.62	18.99	23.67
	Tees to Swale River Transfer Option 2 Phase 1	R42	45	2010	281812.80	17648.21	16710.27	0.00	8293.07	42651.54	12.19	15.13
	Tees to Swale River Transfer Option 2 Phase 2	R43	30	2010	187875.20	80.69	14156.99	0.00	8599.80	22837.49	7.58	12.16
	Tees to Swale River Transfer Option 2 Phase 3	R44	75	2010	469688.00	161.87	24879.32	0.00	10298.45	35339.64	5.33	7.52
	River Intake Optimisation	R45	6	2010	41171.32	0.00	2058.57	0.00	3015.37	5073.94	5.00	12.32
	Aquifer Storage and Recovery Scheme 1	R46	12.5	2010	78742.39	7734.01	5135.53	0.00	357.25	13226.78	16.34	16.80
	Pumped Storage Reservoir	R47	35	2019	119857.80	23567.82	12325.36	0.00	1154.68	37047.85	29.95	30.91
	Reduce Outage at the River Derwent Abstraction	R48	4.17	2010	27336.86	3775.09	1508.38	0.00	510.83	5794.30	19.33	21.20

Company: Yorkshire water
Resource Zone Name: Grid SWZ ECPL
Resource Zone Number: 1 of 3
Planning Scenario Name: Dry year annual average
Chosen Level of Service: 1 in 25

Table WRP3: Preferred list of water management options

		PLANNED GAINS IN WAFU OR SAVINGS IN DEMAND (M/d) - TO BE COMPLETED FOR ALL PREFERRED OPTIONS (WAFU gains for each year are individual year gains and not cumulative gains)																														
ROW Ref.	DERIVATION	OPTION DESCRIPTION <i>[Insert / delete non-numbered lines to suit]</i>	OPTION REFERENCE No.	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
58	Input as appropriate	Customer Side Management, Specify Below....																														
59	Input as appropriate	Distribution Side Management, Specify Below....																														
60	Input as appropriate	Production Side Management, Specify Below....																														
61	Input as appropriate	Resource Management, Specify Below....																														
SUMMARY of WAFU GAINS																																
62	Sum of 58	Total customer side management gains		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
63	Sum of 59	Total distribution side management gains		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
64	Sum of 60	Total production side management gains		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
65	Sum of 61	Total resource management gains		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Company: Yorkshire water

Resource Zone Name: Grid SWZ ECPL

Resource Zone Number: 1 of 3

Planning Scenario Name: Dry year annual average

Chosen Level of Service: 1 in 25

Table WRP4a-FP: Final planning WRP4a supporting transfer and DO reduction data

ROW Ref.	DERIVATION	DESCRIPTION <i>(Insert/delete non-numbered lines to suit)</i>	UNITS	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
2a _{FP}	Input as appropriate	Reductions in Final Planning Deployable Output. Total here and specify below	MI/d	0.00	0.00	3.87	7.75	11.62	15.83	19.79	23.75	27.71	31.67	35.63	39.58	43.54	47.50	49.88	50.98	52.09	53.20	54.31	55.42	56.53	57.63	58.74	59.85	60.96	62.07	63.18	64.28	65.39
		<i>Climate change</i>	MI/d	0.00	0.00	3.87	7.75	11.62	15.83	19.79	23.75	27.71	31.67	35.63	39.58	43.54	47.50	49.88	50.98	52.09	53.20	54.31	55.42	56.53	57.63	58.74	59.85	60.96	62.07	63.18	64.28	65.39
			MI/d																													
			MI/d																													
7a _{FP}	Input as appropriate	Final Planning Raw Water Exported. Total here and specify below	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		<i>to</i>	MI/d																													
		<i>to</i>	MI/d																													
		<i>to</i>	MI/d																													
8a _{FP}	Input as appropriate	Final Planning Raw Water Imported. Total here and specify below	MI/d	57.91	47.03	46.88	46.74	46.59	46.44	46.30	46.15	46.01	45.86	45.71	45.57	45.42	45.27	45.19	45.14	45.10	45.06	45.02	44.98	44.94	44.90	44.86	44.82	44.78	44.73	44.69	44.65	44.61
		<i>from Severn Trent Water</i>	MI/d	57.91	47.03	46.88	46.74	46.59	46.44	46.30	46.15	46.01	45.86	45.71	45.57	45.42	45.27	45.19	45.14	45.10	45.06	45.02	44.98	44.94	44.90	44.86	44.82	44.78	44.73	44.69	44.65	44.61
		<i>from</i>	MI/d																													
		<i>from</i>	MI/d																													
10a _{FP}	Input as appropriate	Final Planning Non Potable Supplies. Total here and specify below	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		<i>to</i>	MI/d																													
		<i>to</i>	MI/d																													
		<i>to</i>	MI/d																													
12a _{FP}	Input as appropriate	Final Planning Potable Water Exported. Total here and specify below	MI/d	0.25	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	
		<i>to Anglian Water</i>	MI/d	0.25	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
		<i>to</i>	MI/d																													
		<i>to</i>	MI/d																													
13a _{FP}	Input as appropriate	Final Planning Potable Water Imported. Total here and specify below	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		<i>from</i>	MI/d																													
		<i>from</i>	MI/d																													
		<i>from</i>	MI/d																													

Company:	Yorkshire water
Resource Zone Name	Grid SWZ ECPL
Resource Zone Number:	1 of 3
Planning Scenario Name:	Dry year annual average
Chosen Level of Service:	1 in 25

playable output reconciliatic

Licence number	Source name	Source type (GW/SW/Res/Conj. use)	Dry year deployable output (Mld)	Critical period deployable output (Mld)	Annual licenced quantity (Mld)
2.27.22.208	Laver Intakes	sw/ conj. Use	8.51		9.59
2.27.22.210	Leighton	res/ conj. Use	7.51		36.12
2.27.22.209	BIRK GILL & RIVE	sw/ conj. Use			17.53
2.27.21.16	Scowall	sw/ conj. Use	8.61		5.29
2.27.21.15	Beaverdyke / John	res/ conj. Use			5.23
2.27.21.17	Ten Acre	res/ conj. Use			1.62
2.27.22.29	Carlesmoor Tunnel	gw/ conj. Use			2.88
2.27.22.27	Roundhill/Lumley M	res/ conj. Use	6.04		3.59
2.27.20.88	Washburn Valley	res/ conj. Use	72.56		130.00
2.27.24.158	Moor Monkton - Ecol	sw/ conj. Use	121.74		200.00
	- Huzaw	conj. Use			
	- EN	sw/ conj. Use	18.04		
2.27.27.2	Norton (Howe Hill)	sw/ conj. Use	21.53		2.49
2.27.25.15	East Ness BH	sw/ conj. Use			15.56
2.27.25.128	KELD HEAD BORE	sw			9.09
2.27.20.196	Arthington	sw/ conj. Use	6.82		60.00
2.27.23.26	Kepwick Springs	gw/ conj. Use	1.72		3.49
2.27.23.332	Airdsby Steapsle	sw/ conj. Use	4.82		4.82
2.27.22.20	Andersbrough (Ays)	sw/ conj. Use	1.27		0.33
2.27.22.546	Counteract	sw/ conj. Use			0.04
2.27.22.328	Fossdale	gw/ conj. Use			0.62
2.27.22.24	Horsehouse	gw/ conj. Use			0.09
2.27.22.21	Marslett	sw/ conj. Use			0.09
2.27.22.20	Newbogn	sw/ conj. Use			0.93
2.27.22.21	Stalling Busk	sw/ conj. Use			0.09
2.27.22.214	Thorntham Shawers	res/ conj. Use	1.89		41.10
2.27.23.46	CRANEHOW BOT	sw			0.87
2.27.23.684	Stubbs Nook BH	sw/ conj. Use	0.20		0.37
2.27.23.685	Holton Hill BH	sw/ conj. Use			0.12
2.27.23.32	Bellaby BH	sw/ conj. Use	0.48		3.42
2.26.32.126	Cottingham BH	sw/ conj. Use	76.30		90.00
2.26.32.126	Dunwell BH	sw/ conj. Use			
2.26.32.126	Keldgate BH	sw/ conj. Use			
2.26.32.126	Springhead BH	sw/ conj. Use			
2.26.31.47	River Hull and West	sw/ conj. Use	54.75		68.49
2.26.30.124	Eton BH	sw/ conj. Use	8.33		13.97
2.26.34.6	Newbald BH	sw/ conj. Use			1.50
	Selby Borehole Group:				
	GROUP LICENCE		54.77		70.66
2.27.24.306	Brayton North & Solge	sw/ conj. Use			6.16
2.27.18.79	Carlton Mill Lane	sw/ conj. Use			10.41
2.27.18.81	Cowick	sw/ conj. Use			14.38
2.27.18.77	Heck	sw/ conj. Use			6.82
2.27.18.78	Polington	sw/ conj. Use			13.70
2.27.18.80	Carlton (Hanger Lane)	sw/ conj. Use			9.59
2.27.18.120	Goose House	sw/ conj. Use			9.59
	Doncaster Borehole Group:				
	GROUP LICENCE				83.00
3.28.83.12	Austerfield/Highfield Lane combined				
3.28.83.12	Austerfield BH	sw/ conj. Use	21.88		27.28
3.28.83.12	Highfield Lane BH	sw/ conj. Use			27.28
3.28.83.107	Lilleshorn BH	sw/ conj. Use	3.20		4.55
3.28.83.12	Hatfield BH	sw/ conj. Use	13.12		9.09
3.28.83.12	Doncaster Subgroup (3.28.83.12)				71.37
3.28.83.100	Hatfield Woodhouse	sw/ conj. Use			9.09
3.28.83.12	Finningley BH	sw/ conj. Use	35.32		18.59
3.28.83.12	Roseaton Bndae	sw/ conj. Use			14.20
3.28.83.12	Newell BH	sw/ conj. Use			13.65
3.28.83.10	Armthorpe BH	sw/ conj. Use			9.09
3.28.83.106	Boston Park BH	sw/ conj. Use			9.09
3.28.83.12	Thornham BH	sw/ conj. Use			17.02
2.27.5.29	Redmires	res/ conj. Use	11.65		31.14
2.27.5.29	Roxton	res/ conj. Use			
2.27.5.30	Lowley Dam/Ask (D)	res/ conj. Use	34.72		58.66
2.27.5.31	Ewden/Morehall (B)	res/ conj. Use	31.24		43.56
2.27.5.32	Don Valley (Ingber)	res/ conj. Use	13.28		9.96
2.27.5.202	INGBERWORTH	res/ conj. Use			9.36
2.27.5.13	Royd Moor	res/ conj. Use			8.10
2.27.5.42	Lansett	res/ conj. Use	50.45		56.16
2.27.5.11	Midhope	res/ conj. Use			
2.27.5.26	Wincar Group	res/ conj. Use	14.76		27.78
2.27.12.254	Boothwood/Ryburn	res/ conj. Use	group = 40.00		56.05
2.27.12.35	Bainthorpe/Ryburn (B)	res/ conj. Use			7.46
2.27.12.37	Ringstone	res/ conj. Use	11.23		
2.27.12.254	Boothwood	res/ conj. Use	21.29		
2.27.12.36	Widdows Clough	res/ conj. Use	7.63		9.09
2.27.12.38	Turvin Clough	sw/ conj. Use	5.51		11.00
2.27.12.261	Dean Head & Scantres	res/ conj. Use	23.22		16.81
2.27.11.64	Come Valley Catch	sw/ conj. Use			33.38
2.27.11.65	Deerhill/Blackmoor	res/ conj. Use	25.56		43.59
2.27.10.63	Holmesvay, Duple	res/ conj. Use	26.55		25.53
2.27.10.11	Washburn, Ridge	res/ conj. Use			18.68
2.27.12.41	Widdop + Gorpia +	res/ conj. Use	39.77		62.27
	Luskenden Group	res/ conj. Use			4.98
	Capfen/Bowenden	res/ conj. Use			4.99
2.27.16.160	Bradford Group (Th)	res/ conj. Use	10.06		17.02
2.27.21.82	Scar House/Angrar	res/ conj. Use	87.97		104.56
2.27.19.137	Chelker	res/ conj. Use	7.48		13.70
2.27.19.129	R. Wharfe - Lobwood	sw/ conj. Use	50.38		75.05
2.27.19.54	Upper & Lower Bardres	sw/ conj. Use	25.24		38.97
2.27.19.81	J. Oughston Tunnel				0.59
2.27.19.82	L. Shaw				
2.27.16.22	Graincliffe	res/ conj. Use	12.23		7.47
2.27.16.21	Whecher	res/ conj. Use			2.49
2.27.16.23	Rena	res/ conj. Use			3.74
2.27.19.9	Carr Bottom	res/ conj. Use			1.12
2.27.19.8	Old Reservoir (Pank)	res/ conj. Use			2.74
2.27.14.10	Keighley Moor Res	sw/ conj. Use	1.85		2.24
2.27.15.41	Watersheddies	res/ conj. Use	6.62		7.47
2.27.14.58	Ponden	res/ conj. Use	3.19		3.41
2.27.14.9	Lower Lathie	res/ conj. Use	5.81		6.92
2.27.15.45	Embsay	res/ conj. Use	1.50		5.06
2.27.15.42	Whimsey Gill & Jendres	res/ conj. Use			1.03
2.27.15.16.9	Chapel-5-Dale (Sou)	sw/ conj. Use	0.04		1.05
2.27.19.121	Hawkevic	sw/ conj. Use			0.07
2.27.28.17	River Derwent (Evi)	sw/ conj. Use	127.17		205.48
2.27.28.270	Lofthouse ASB	sw/ conj. Use	0.95		2.05
2.27.28.83	Barmby	sw/ conj. Use	75.68		83.29
2.27.22.38	Lower Dunsforth/Bd	sw/ conj. Use	5.58		5.48
2.27.23.355	Sturforth BH	sw/ conj. Use			1.23
2.27.23.34	Garland Hill (West)	sw/ conj. Use	10.05		0.77
2.27.23.340	Catterick Bridge	sw/ conj. Use			8.00
2.27.23.31	Conisburgh	sw/ conj. Use			2.96
2.27.23.30	Crumma	sw/ conj. Use			3.74
2.27.23.30	Newsham	sw/ conj. Use			3.74
2.27.22.214	Ridgely River Use	sw/ conj. Use	31.56		41.10
2.27.24.76	Acomb Landing	sw/ conj. Use	27.27		95.89
2.26.30.4	BURTON AGNES B	sw	27.94		2.74
2.26.30.3	HAUSTHORPE B	sw			13.70
2.26.30.2	BRIDLINGTON (M)	sw			6.85
2.26.31.2	KILHAM BOREHOL	sw			4.98
2.26.31.87	ELMSWELL WICK	sw			3.49
2.27.27.163	CAYTON STATION	sw	21.56		7.25
2.27.27.136	CAYTON CARR LA	sw			10.76
2.27.27.58	BRITON BOREHOL	sw			22.51
2.26.31.6	HUTTON CRANSV	sw	1.55		2.18
			1424.32	0.00	2513.64

Yorkshire water
 Grid SWZ ECPL
 1 of 3
 Dry year annual average
 1 in 25

Table WRP6: Baseline breakdown of measured households

Row Ref	Derivation	Description	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
6.1 _{BL}	6.5 _{BL} +6.9 _{BL} +6.13 _{BL} +6.17 _{BL} +6.21 _{BL} +6.25 _{BL}	Total	Population	000's	94.95	1303.36	1399.80	1508.50	1629.49	1835.36	1961.47	2085.78	2208.60	2324.02	2437.54	2548.98	2658.94	2767.43	2874.85	2979.27	3080.50	3179.84	3275.71	3370.58	3464.29	3550.28	3631.67	3712.55	3795.42	3877.60	3955.41	4030.89	4105.76
6.2 _{BL}	6.6 _{BL} +6.10 _{BL} +6.14 _{BL} +6.18 _{BL} +6.22 _{BL} +6.26 _{BL}	Total	Properties	000's	48.20	599.91	645.01	689.93	740.15	832.42	886.94	941.22	995.68	1047.75	1099.51	1150.95	1201.93	1252.31	1301.95	1350.78	1398.81	1446.04	1492.52	1538.29	1583.39	1624.58	1665.17	1705.20	1744.68	1783.65	1822.12	1860.12	1897.66
6.3 _{BL}	6.1 _{BL} /6.2 _{BL}	Total	Occupancy	h/prop	1.97	2.17	2.17	2.19	2.20	2.20	2.21	2.22	2.22	2.22	2.21	2.21	2.21	2.21	2.21	2.20	2.20	2.19	2.19	2.19	2.19	2.18	2.18	2.18	2.17	2.17	2.17	2.16	
6.5 _{BL}	Input	Meter optants	Population	000's	60.95	52.17	121.20	197.33	288.81	392.01	479.63	563.66	644.46	716.20	783.74	847.68	908.47	966.49	1022.03	1075.33	1126.65	1176.07	1223.70	1269.68	1314.13	1357.13	1398.74	1439.04	1478.13	1516.07	1552.87	1588.58	1623.23
6.6 _{BL}	Input	Meter optants	Properties	000's	30.94	24.02	55.82	90.64	132.19	179.40	219.00	256.90	293.31	325.64	356.10	384.96	412.44	438.68	463.83	487.99	511.25	533.67	555.33	576.27	596.54	616.18	635.22	653.69	671.62	689.04	705.96	722.40	738.39
6.7 _{BL}	6.5 _{BL} /6.6 _{BL}	Meter optants	Occupancy	h/prop	1.97	2.17	2.17	2.18	2.18	2.19	2.19	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
6.8 _{BL}	Input	Meter optants	pcc	l/h/d	136.84	113.16	112.16	111.02	109.91	109.02	108.15	107.37	106.72	106.19	105.50	104.85	104.38	104.23	104.14	104.02	103.85	103.61	103.43	103.25	102.84	102.89	102.97	103.07	103.16	103.26	103.37	103.50	103.64
6.9 _{BL}	Input	New properties	Population	000's	34.01	41.61	70.46	92.55	111.62	141.41	174.44	210.78	250.84	294.68	341.94	391.98	444.03	497.38	551.49	605.96	660.54	715.13	769.64	824.07	878.42	925.54	972.56	1019.51	1066.41	1113.28	1160.08	1206.80	1253.45
6.10 _{BL}	Input	New properties	Properties	000's	17.26	19.15	32.44	42.55	51.21	64.84	79.76	96.14	114.18	133.93	155.23	177.80	201.32	225.44	249.93	274.61	299.38	324.19	349.01	373.84	398.67	420.22	441.77	463.33	484.88	506.43	527.98	549.54	571.09
6.11 _{BL}	6.9 _{BL} /6.10 _{BL}	New properties	Occupancy	h/prop	1.97	2.17	2.17	2.18	2.18	2.18	2.19	2.19	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.19
6.12 _{BL}	Input	New properties	pcc	l/h/d	137.18	123.08	123.82	123.67	123.50	123.36	123.24	123.14	123.05	122.98	122.92	122.86	122.81	122.76	122.71	122.67	122.64	122.60	122.58	122.55	122.51	122.49	122.46	122.44	122.41	122.39	122.37	122.35	122.33
6.13 _{BL}	Input	Metering on change of occupancy	Population	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.14 _{BL}	Input	Metering on change of occupancy	Properties	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.15 _{BL}	6.13 _{BL} /6.14 _{BL}	Metering on change of occupancy	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.16 _{BL}	Input	Metering on change of occupancy	pcc	l/h/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.17 _{BL}	Input	Selective metering	Population	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.18 _{BL}	Input	Selective metering	Properties	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.19 _{BL}	6.17 _{BL} /6.18 _{BL}	Selective metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.20 _{BL}	Input	Selective metering	pcc	l/h/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.21 _{BL}	Input	Compulsory metering	Population	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.22 _{BL}	Input	Compulsory metering	Properties	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.23 _{BL}	6.21 _{BL} /6.22 _{BL}	Compulsory metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.24 _{BL}	Input	Compulsory metering	pcc	l/h/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.25 _{BL}	Input	Other changes to existing metering	Population	000's		1209.57	1208.14	1218.62	1229.06	1301.94	1307.40	1311.34	1313.30	1313.14	1311.86	1309.32	1306.44	1303.56	1301.32	1297.98	1293.31	1288.64	1282.37	1276.83	1271.74	1267.61	1260.36	1254.00	1250.88	1248.25	1242.45	1235.51	1229.08
6.26 _{BL}	Input	Other changes to existing metering	Properties	000's		556.74	556.74	556.74	556.74	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	588.18	
6.27 _{BL}	6.25 _{BL} /6.26 _{BL}	Other changes to existing metering	Occupancy	h/prop	#DIV/0!	2.17	2.17	2.19	2.21	2.21	2.22	2.23	2.23	2.23	2.23	2.22	2.22	2.21	2.21	2.20	2.19	2.18	2.17	2.16	2.16	2.14	2.13	2.13	2.12	2.11	2.10	2.09	
6.28 _{BL}	Input	Other changes to existing metering	pcc	l/h/d		118.87	118.31	117.97	117.98	117.79	117.44	116.99	116.58	115.99	115.63	115.32	114.93	114.48	113.89	113.45	112.98	112.39	111.84	111.51	111.52	111.56	111.59	111.63	111.68	111.70	111.67	111.65	111.63

Company:	Yorkshire water
Resource Zone Name	Grid SWZ ECPL
Resource Zone Number:	1 of 3
Planning Scenario Name:	Dry year annual average
Chosen Level of Service:	1 in 25

Table WRP6a: Final planning breakdown of measured households

Row Ref	Derivation	Description	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
6.1 _{FP}	6.5 _{FP} +6.9 _{FP} +6.13 _{FP} +6.17 _{FP} +6.21 _{FP} +6.25 _{FP}	Total	Population	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.2 _{FP}	6.6 _{FP} +6.10 _{FP} +6.14 _{FP} +6.18 _{FP} +6.22 _{FP} +6.26 _{FP}	Total	Properties	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.3 _{FP}	6.1 _{FP} /6.2 _{FP}	Total	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
6.5 _{FP}	Input	Meter optants	Population	000's																													
6.6 _{FP}	Input	Meter optants	Properties	000's																													
6.7 _{FP}	6.5 _{FP} /6.6 _{FP}	Meter optants	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.8 _{FP}	Input	Meter optants	pcc	l/h/d																													
6.9 _{FP}	Input	New properties	Population	000's																													
6.10 _{FP}	Input	New properties	Properties	000's																													
6.11 _{FP}	6.9 _{FP} /6.10 _{FP}	New properties	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.12 _{FP}	Input	New properties	pcc	l/h/d																													
6.13 _{FP}	Input	Metering on change off occupancy	Population	000's																													
6.14 _{FP}	Input	Metering on change off occupancy	Properties	000's																													
6.15 _{FP}	6.13 _{FP} /6.14 _{FP}	Metering on change off occupancy	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.16 _{FP}	Input	Metering on change off occupancy	pcc	l/h/d																													
6.17 _{FP}	Input	Selective metering	Population	000's																													
6.18 _{FP}	Input	Selective metering	Properties	000's																													
6.19 _{FP}	6.17 _{FP} /6.18 _{FP}	Selective metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.20 _{FP}	Input	Selective metering	pcc	l/h/d																													
6.21 _{FP}	Input	Compulsory metering	Population	000's																													
6.22 _{FP}	Input	Compulsory metering	Properties	000's																													
6.23 _{FP}	6.21 _{FP} /6.22 _{FP}	Compulsory metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.24 _{FP}	Input	Compulsory metering	pcc	l/h/d																													
6.25 _{FP}	Input	Other changes to existing metering	Population	000's																													
6.26 _{FP}	Input	Other changes to existing metering	Properties	000's																													
6.27 _{FP}	6.25 _{FP} /6.26 _{FP}	Other changes to existing metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.28 _{FP}	Input	Other changes to existing metering	pcc	l/h/d																													

Company: Yorkshire water

Resource Zone Name: Grid SWZ ECPL

Resource Zone Number: 1 of 3

Planning Scenario Name: Dry year annual average

Chosen Level of Service: 1 in 25

Table WRP7: Baseline household micro-component consumption

Row Ref	Derivation	Description <i>Insert additional components as required</i>	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
7.1	Input	Unmeasured toilet flushing	l/h/d	38.59	39.49	39.24	38.99	38.77	38.58	38.40	38.25	38.10	37.97	37.85	37.74	37.64	37.54	37.44	37.35	37.28	37.23	37.19	37.16	37.15	37.13	37.12	37.12	37.13	37.16	37.20	37.25		
7.2	Input	Unmeasured bath use	l/h/d	30.36	29.20	29.33	29.44	29.58	29.72	29.88	30.04	30.20	30.36	30.54	30.71	30.88	31.04	31.20	31.36	31.52	31.69	31.86	32.04	32.23	32.40	32.58	32.76	32.94	33.12	33.31	33.51	33.72	
7.3	Input	Unmeasured shower use	l/h/d	20.72	20.61	21.38	22.12	22.86	23.60	24.34	25.07	25.80	26.51	27.22	27.92	28.62	29.29	29.96	30.61	31.27	31.92	32.57	33.22	33.88	34.51	35.15	35.78	36.40	37.00	37.59	38.18	38.77	
7.4	Input	Unmeasured hand basin	l/h/d	14.74	17.77	17.85	17.92	18.00	18.09	18.18	18.28	18.38	18.48	18.58	18.69	18.79	18.89	18.99	19.08	19.18	19.28	19.39	19.49	19.61	19.71	19.82	19.93	20.04	20.15	20.27	20.39	20.51	
7.5	Input	Unmeasured clothes washing	l/h/d	21.80	21.97	21.44	21.52	21.61	21.71	21.55	21.28	21.00	20.70	19.99	19.30	18.83	18.93	19.05	19.16	18.98	18.65	18.32	17.97	17.15	17.23	17.31	17.40	17.49	17.58	17.68	17.78	17.89	
7.6	Input	Unmeasured dish washing	l/h/d	11.13	11.45	11.44	11.44	11.44	11.45	11.45	11.47	11.49	11.51	11.52	11.47	11.43	11.30	11.20	11.05	11.02	10.97	10.98	10.98	10.98	10.97	10.96	10.96	10.95	10.95	10.95	10.96	10.97	
7.7	Input	Unmeasured garden use	l/h/d	21.45	16.04	16.20	16.37	16.55	16.74	16.92	17.11	17.31	17.50	17.70	17.89	18.08	18.25	18.43	18.60	18.77	18.94	19.11	19.28	19.46	19.60	19.75	19.91	20.05	20.20	20.36	20.52	20.68	
7.8	Input	Unmeasured car washing	l/h/d	0.00	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.55	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	
7.9	Input	Unmeasured miscellaneous use	l/h/d	4.12	3.78	3.80	3.81	3.83	3.85	3.87	3.89	3.92	3.94	3.96	3.99	4.01	4.03	4.05	4.07	4.09	4.12	4.14	4.16	4.19	4.21	4.23	4.25	4.28	4.30	4.32	4.35	4.38	
7.10	Input		l/h/d																														
7.11	Input		l/h/d																														
7.12	Input		l/h/d																														
7.13	Input		l/h/d																														
7.14	Input		l/h/d																														
7.15	Input		l/h/d																														
7.16	Input		l/h/d																														
7.17	Input		l/h/d																														
7.18	Input		l/h/d																														
7.19	Sum(7.1:7.18)	Unmeasured pcc	l/h/d	162.91	160.80	161.16	162.09	163.15	164.24	165.11	165.90	166.73	167.50	167.89	168.25	168.82	169.83	170.87	171.84	172.67	173.37	174.13	174.88	175.25	176.35	177.50	178.70	179.86	181.03	182.25	183.51	184.80	
7.20	Input	Measured toilet flushing	l/h/d	33.75	30.22	29.61	29.10	28.60	28.16	27.77	27.43	27.10	26.80	26.52	26.27	26.04	25.83	25.63	25.45	25.28	25.13	24.98	24.84	24.72	24.60	24.49	24.40	24.31	24.22	24.14	24.06	23.98	
7.21	Input	Measured bath use	l/h/d	19.22	16.80	16.82	16.84	16.85	16.87	16.89	16.91	16.92	16.94	16.96	16.97	16.99	17.01	17.02	17.04	17.05	17.06	17.07	17.08	17.10	17.10	17.11	17.13	17.15	17.16	17.17	17.18		
7.22	Input	Measured shower use	l/h/d	16.54	15.20	15.87	16.49	17.06	17.57	18.04	18.48	18.90	19.30	19.67	20.02	20.35	20.67	20.98	21.27	21.55	21.82	22.09	22.34	22.57	22.80	23.01	23.21	23.40	23.56	23.70	23.82	23.93	
7.23	Input	Measured hand basin	l/h/d	12.94	11.05	11.06	11.07	11.08	11.10	11.11	11.12	11.13	11.14	11.15	11.16	11.17	11.18	11.19	11.20	11.21	11.21	11.22	11.23	11.23	11.24	11.25	11.25	11.26	11.27	11.28	11.29	11.30	
7.24	Input	Measured clothes washing	l/h/d	22.21	19.89	19.46	19.17	19.19	19.10	18.86	18.50	18.18	17.71	17.42	17.18	16.87	16.51	16.06	15.73	15.42	14.99	14.69	14.43	14.44	14.44	14.45	14.46	14.46	14.47	14.47	14.47	14.48	
7.25	Input	Measured dish washing	l/h/d	10.99	9.84	9.70	9.64	9.59	9.54	9.49	9.45	9.40	9.36	9.32	9.27	9.23	9.18	9.11	9.03	8.94	8.86	8.68	8.63	8.59	8.56	8.53	8.49	8.46	8.43	8.40	8.37	8.34	
7.26	Input	Measured garden use	l/h/d	16.84	12.80	12.85	12.92	13.00	13.08	13.16	13.24	13.32	13.41	13.49	13.57	13.65	13.72	13.79	13.87	13.92	13.99	14.04	14.10	14.15	14.20	14.23	14.27	14.31	14.34	14.37	14.40	14.44	
7.27	Input	Measured car washing	l/h/d	0.00	0.48	0.48	0.49	0.49	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55		
7.28	Input	Measured miscellaneous use	l/h/d	4.70	3.73	3.72	3.73	3.74	3.75	3.75	3.76	3.77	3.78	3.79	3.79	3.80	3.81	3.81	3.82	3.82	3.83	3.84	3.84	3.85	3.85	3.85	3.85	3.86	3.86	3.86	3.87	3.87	
7.29	Input		l/h/d																														
7.30	Input		l/h/d																														
7.31	Input		l/h/d																														
7.32	Input		l/h/d																														
7.33	Input		l/h/d																														
7.34	Input		l/h/d																														
7.35	Input		l/h/d																														
7.36	Input		l/h/d																														
7.37	Input		l/h/d																														
7.38	Sum(7.20:7.37)	Measured pcc	l/h/d	137.18	120.02	119.58	119.46	119.61	119.67	119.58	119.39	119.23	118.94	118.83	118.75	118.61	118.43	118.12	117.94	117.73	117.41	117.13	117.02	117.17	117.32	117.45	117.59	117.73	117.84	117.92	117.99	118.06	

Company:	Yorkshire water
Resource Zone Name	Grid SWZ ECPL
Resource Zone Number:	1 of 3
Planning Scenario Name:	Dry year annual average
Chosen Level of Service:	1 in 25

Table WRP7a: Final planning household micro-component consumption

Row Ref	Derivation	Description <i>Insert additional components as required</i>	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
7.1	Input	Unmeasured toilet flushing	l/h/d	38.59	39.49	39.24	38.99	38.77	38.58	38.40	38.25	38.10	37.97	37.85	37.74	37.64	37.54	37.44	37.35	37.28	37.23	37.19	37.16	37.15	37.13	37.12	37.12	37.13	37.16	37.20	37.25	
7.2	Input	Unmeasured bath use	l/h/d	30.36	29.20	29.33	29.44	29.58	29.72	29.88	30.04	30.20	30.36	30.54	30.71	30.88	31.04	31.20	31.36	31.52	31.69	31.86	32.04	32.23	32.40	32.58	32.76	32.94	33.12	33.31	33.51	33.72
7.3	Input	Unmeasured shower use	l/h/d	20.72	20.61	21.38	22.12	22.86	23.60	24.34	25.07	25.80	26.51	27.22	27.92	28.62	29.29	29.96	30.61	31.27	31.92	32.57	33.22	33.88	34.51	35.15	35.78	36.40	37.00	37.59	38.18	38.77
7.4	Input	Unmeasured hand basin	l/h/d	14.74	17.77	17.85	17.92	18.00	18.09	18.18	18.28	18.38	18.48	18.58	18.69	18.79	18.89	18.99	19.08	19.18	19.28	19.39	19.49	19.61	19.71	19.82	19.93	20.04	20.15	20.27	20.39	20.51
7.5	Input	Unmeasured clothes washing	l/h/d	21.80	21.97	21.44	21.52	21.61	21.71	21.55	21.28	21.00	20.70	19.99	19.30	18.83	18.93	19.05	19.16	18.98	18.65	18.32	17.97	17.15	17.23	17.31	17.40	17.49	17.58	17.68	17.78	17.89
7.6	Input	Unmeasured dish washing	l/h/d	11.13	11.45	11.44	11.44	11.44	11.45	11.45	11.47	11.49	11.51	11.52	11.47	11.43	11.30	11.20	11.05	11.02	10.97	10.98	10.98	10.98	10.97	10.96	10.96	10.95	10.95	10.95	10.96	10.97
7.7	Input	Unmeasured garden use	l/h/d	21.45	16.04	16.20	16.37	16.55	16.74	16.92	17.11	17.31	17.50	17.70	17.89	18.08	18.25	18.43	18.60	18.77	18.94	19.11	19.28	19.46	19.60	19.75	19.91	20.05	20.20	20.36	20.52	20.68
7.8	Input	Unmeasured car washing	l/h/d	0.00	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62
7.9	Input	Unmeasured miscellaneous use	l/h/d	4.12	3.78	3.80	3.81	3.83	3.85	3.87	3.89	3.92	3.94	3.96	3.99	4.01	4.03	4.05	4.07	4.09	4.12	4.14	4.16	4.19	4.21	4.23	4.25	4.28	4.30	4.32	4.35	4.38
7.10	Input		l/h/d																													
7.11	Input		l/h/d																													
7.12	Input		l/h/d																													
7.13	Input		l/h/d																													
7.14	Input		l/h/d																													
7.15	Input		l/h/d																													
7.16	Input		l/h/d																													
7.17	Input		l/h/d																													
7.18	Input		l/h/d																													
7.19	Sum(7.1:7.18)	Unmeasured pcc	l/h/d	162.91	160.80	161.16	162.09	163.15	164.24	165.11	165.90	166.73	167.50	167.89	168.25	168.82	169.83	170.87	171.84	172.67	173.37	174.13	174.88	175.25	176.35	177.50	178.70	179.86	181.03	182.25	183.51	184.80
7.20	Input	Measured toilet flushing	l/h/d	33.75	30.22	29.61	29.10	28.60	28.16	27.77	27.43	27.10	26.80	26.52	26.27	26.04	25.83	25.63	25.45	25.28	25.13	24.98	24.84	24.72	24.60	24.49	24.40	24.31	24.22	24.14	24.06	23.98
7.21	Input	Measured bath use	l/h/d	19.22	16.80	16.82	16.84	16.85	16.87	16.89	16.91	16.92	16.94	16.96	16.97	16.99	17.01	17.02	17.04	17.05	17.06	17.07	17.08	17.10	17.10	17.11	17.13	17.15	17.16	17.17	17.18	
7.22	Input	Measured shower use	l/h/d	16.54	15.20	15.87	16.49	17.06	17.57	18.04	18.48	18.90	19.30	19.67	20.02	20.35	20.67	20.98	21.27	21.55	21.82	22.09	22.34	22.57	22.80	23.01	23.21	23.40	23.56	23.70	23.82	23.93
7.23	Input	Measured hand basin	l/h/d	12.94	11.05	11.06	11.07	11.08	11.10	11.11	11.12	11.13	11.14	11.15	11.16	11.17	11.18	11.19	11.20	11.21	11.21	11.22	11.23	11.23	11.24	11.25	11.25	11.26	11.27	11.28	11.29	11.30
7.24	Input	Measured clothes washing	l/h/d	22.21	19.89	19.46	19.17	19.19	19.10	18.86	18.50	18.18	17.71	17.42	17.18	16.87	16.51	16.06	15.73	15.42	14.99	14.69	14.43	14.44	14.44	14.45	14.46	14.46	14.47	14.47	14.47	14.48
7.25	Input	Measured dish washing	l/h/d	10.99	9.84	9.70	9.64	9.59	9.54	9.49	9.45	9.40	9.36	9.32	9.27	9.23	9.18	9.11	9.03	8.94	8.86	8.68	8.63	8.59	8.56	8.53	8.49	8.46	8.43	8.40	8.37	8.34
7.26	Input	Measured garden use	l/h/d	16.84	12.80	12.85	12.92	13.00	13.08	13.16	13.24	13.32	13.41	13.49	13.57	13.65	13.72	13.79	13.87	13.92	13.99	14.04	14.10	14.15	14.20	14.23	14.27	14.31	14.34	14.37	14.40	14.44
7.27	Input	Measured car washing	l/h/d	0.00	0.48	0.48	0.49	0.49	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55	
7.28	Input	Measured miscellaneous use	l/h/d	4.70	3.73	3.72	3.73	3.74	3.75	3.75	3.76	3.77	3.78	3.79	3.79	3.80	3.81	3.81	3.82	3.82	3.83	3.84	3.84	3.85	3.85	3.85	3.85	3.86	3.86	3.86	3.87	3.87
7.29	Input		l/h/d																													
7.30	Input		l/h/d																													
7.31	Input		l/h/d																													
7.32	Input		l/h/d																													
7.33	Input		l/h/d																													
7.34	Input		l/h/d																													
7.35	Input		l/h/d																													
7.36	Input		l/h/d																													
7.37	Input		l/h/d																													
7.38	Sum(7.20:7.37)	Measured pcc	l/h/d	137.18	120.02	119.58	119.46	119.61	119.67	119.58	119.39	119.23	118.94	118.83	118.75	118.61	118.43	118.12	117.94	117.73	117.41	117.13	117.02	117.17	117.32	117.45	117.59	117.73	117.84	117.92	117.99	118.06

Company:	Yorkshire water
Resource Zone Name	Grid SWZ ECPL
Resource Zone Number:	1 of 3
Planning Scenario Name:	Dry year annual average
Chosen Level of Service:	1 in 25

Table WRP8: Baseline non-household sector consumption

Row Ref	Derivation	Description	2007 SIC codes	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34
8.1	Input	Agriculture, horticulture, forestry and fishing	A1, A2, A3	MI/d	23.67	24.22	22.91	22.11	21.84	21.06	20.31	19.62	18.99	18.40	17.86	17.35	16.87	16.43	15.98	15.56	15.15	14.74	14.36	13.98	13.61	13.24	12.87	12.51	12.16	11.81	11.48	11.15
8.2	Input	Extraction of metals, minerals and energy producing materials	B5, B6, B7, B8, B9	MI/d	26.21	26.01	25.01	23.95	23.48	22.52	21.59	20.66	19.78	18.91	18.07	17.26	16.48	15.72	14.97	14.24	13.53	12.84	12.18	11.53	10.86	10.21	9.59	9.01	8.46	7.94	7.45	6.99
8.3	Input	Food and drink (manufacture)	C10, C11, C12	MI/d	39.22	18.89	18.06	17.37	17.20	16.68	16.19	15.73	15.29	14.88	14.50	14.13	13.78	13.44	13.09	12.77	12.45	12.14	11.84	11.54	11.22	10.88	10.54	10.22	9.91	9.60	9.30	9.02
8.4	Input	Textile, fur and leather (manufacture)	C13, C14, C15	MI/d	3.87	8.81	8.25	7.88	7.70	7.32	6.95	6.58	6.23	5.87	5.54	5.22	4.91	4.61	4.33	4.05	3.80	3.64	3.48	3.33	3.17	3.01	2.86	2.71	2.57	2.44	2.31	2.19
8.5	Input	Other manufacturing	C16, C26, C27, C31, C32, C33	MI/d	13.67	29.66	27.74	26.54	26.16	25.29	24.44	23.63	22.88	22.19	21.57	20.99	20.44	19.91	19.39	18.89	18.42	17.95	17.50	17.06	16.57	16.06	15.56	15.07	14.60	14.14	13.69	13.26
8.6	Input	Paper (manufacture)	C17, C18	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.7	Input	Fuel refining	C19	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.8	Input	Chemicals, rubbers, plastics and man-made material (manufacture)	C20, C21, C22	MI/d	10.76	4.85	4.66	4.55	4.53	4.42	4.31	4.20	4.10	4.00	3.90	3.81	3.73	3.65	3.57	3.49	3.42	3.34	3.27	3.19	3.11	3.03	2.94	2.86	2.78	2.70	2.62	2.55
8.9	Input	Manufacture of non-metallic minerals	C23	MI/d	4.73	3.31	3.17	3.11	3.10	3.02	2.93	2.85	2.78	2.71	2.64	2.57	2.51	2.45	2.38	2.32	2.26	2.20	2.14	2.09	2.03	1.98	1.92	1.86	1.81	1.76	1.71	1.66
8.10	Input	Manufacture of basic metals, fabricated metal products and	C24, C25, C28, C29	MI/d	12.06	6.17	5.77	5.62	5.60	5.44	5.28	5.13	4.99	4.86	4.74	4.63	4.53	4.43	4.34	4.25	4.16	4.07	3.99	3.91	3.82	3.72	3.63	3.54	3.45	3.37	3.28	3.20
8.11	Input	Transportation and manufacture of transport equipment	C30, H49, H50, H51, H52, H53	MI/d	3.81	2.53	2.39	2.34	2.35	2.29	2.24	2.18	2.13	2.08	2.04	2.00	1.96	1.92	1.88	1.85	1.81	1.77	1.74	1.71	1.67	1.63	1.59	1.55	1.51	1.47	1.43	1.40
8.12	Input	Electricity, gas and water supplies	D35, E36, E37, E38, E39	MI/d	6.11	6.43	6.09	5.92	5.86	5.67	5.49	5.33	5.17	5.02	4.89	4.76	4.64	4.52	4.40	4.29	4.19	4.08	3.98	3.88	3.78	3.67	3.56	3.45	3.35	3.25	3.15	3.06
8.13	Input	Construction	F41, F42, F43	MI/d	5.34	7.27	7.06	6.94	6.95	6.83	6.71	6.61	6.50	6.38	6.26	6.14	6.02	5.90	5.77	5.65	5.53	5.42	5.31	5.20	5.10	4.99	4.88	4.78	4.67	4.57	4.47	4.38
8.14	Input	Wholesale and retail	G45, G46, G47	MI/d	18.40	21.28	20.85	20.57	20.96	20.90	20.85	20.78	20.71	20.65	20.60	20.56	20.52	20.47	20.39	20.31	20.22	20.12	20.02	19.92	19.84	19.75	19.66	19.57	19.47	19.38	19.29	19.19
8.15	Input	Hotels, bars and restaurants	I55, I56	MI/d	32.19	34.16	33.47	33.03	33.63	33.52	33.44	33.36	33.31	33.28	33.29	33.32	33.36	33.39	33.40	33.38	33.37	33.35	33.32	33.29	33.30	33.29	33.28	33.25	33.23	33.21	33.19	33.16
8.16	Input	Other services	J, K, L, M, N, O, R, S, T, U	MI/d	69.77	72.26	70.55	69.60	70.66	70.29	70.00	69.67	69.34	68.97	68.62	68.28	67.94	67.62	67.23	66.83	66.42	66.01	65.61	65.22	64.92	64.57	64.20	63.83	63.47	63.10	62.73	62.37
8.17	Input	Education and Health	P, Q	MI/d	30.74	32.50	31.91	31.59	32.20	32.11	32.01	31.91	31.82	31.73	31.66	31.60	31.55	31.49	31.42	31.36	31.30	31.24	31.19	31.15	31.11	31.05	30.98	30.91	30.83	30.76	30.69	30.61
8.18	Input			MI/d																												
8.19	Input			MI/d																												
8.20	Input			MI/d																												

Company:	Yorkshire water
Resource Zone Name	Grid SWZ ECPL
Resource Zone Number:	1 of 3
Planning Scenario Name:	Dry year annual average
Chosen Level of Service:	1 in 25

Table WRP9: Normal year final planning supply-demand components

ROW Ref.	DERIVATION	DESCRIPTION	UNITS	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
BASIC RESOURCES NORMAL YEAR																																	
3 _N	Input	Outage Allowance	MI/d	100.54	54.93	54.93	54.93	54.93	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92	54.92
5 _N	Input	Water Available For Use (own sources)	MI/d	1291.10	1302.11	1298.24	1292.97	1284.91	1338.45	1334.49	1330.53	1326.57	1322.61	1318.66	1314.70	1310.74	1306.78	1304.41	1303.30	1302.19	1301.08	1299.97	1298.86	1297.76	1296.65	1295.54	1294.43	1293.32	1292.21	1291.11	1290.00	1288.89	
RAW WATER NORMAL YEAR																																	
6 _N	Input	Raw Water Abstracted	MI/d	1178.96	1189.34	1184.49	1176.51	1175.56	1216.40	1209.58	1203.12	1197.45	1192.42	1187.81	1183.99	1181.25	1179.92	1178.63	1177.52	1176.06	1174.27	1172.62	1171.85	1171.59	1171.95	1171.83	1172.10	1173.13	1174.29	1174.90	1175.44	1176.21	
7 _N	Input	Raw Water Exported (existing)	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8 _N	Input	Raw Water Imported (existing)	MI/d	57.91	47.03	46.88	46.74	46.59	46.44	46.30	46.15	46.01	45.86	45.71	45.57	45.42	45.27	45.19	45.14	45.10	45.06	45.02	44.98	44.94	44.90	44.86	44.82	44.78	44.73	44.69	44.65	44.61	
9 _N	Input	Raw Water Losses and Operational Use	MI/d	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
10 _N	Input	Non Potable Supplies (existing)	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
POTABLE WATER TO POINT OF DELIVERY NORMAL YEAR																																	
11 _N	Input	Treatment Works Losses and Operational Use	MI/d	9.66	7.42	7.42	7.42	7.42	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	
12 _N	Input	Potable Water Exported	MI/d	0.25	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	
13 _N	Input	Potable Water Imported	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14 _N	Input	Distribution Input	MI/d	1226.71	1228.39	1223.39	1215.26	1214.17	1262.91	1245.93	1239.33	1233.51	1228.34	1223.58	1219.62	1216.73	1215.25	1213.87	1212.72	1211.22	1209.40	1207.70	1206.89	1206.59	1206.91	1206.75	1206.98	1207.96	1209.09	1209.65	1210.16	1210.88	
15 _N	Input	Distribution Losses	MI/d	219.52	211.45	220.95	220.97	220.98	229.20	229.20	229.21	229.22	229.23	229.23	229.24	229.25	229.26	229.26	229.27	229.27	229.28	229.29	229.30	229.30	229.30	229.31	229.31	229.32	229.32	229.32	229.33	229.33	
16 _N	Input	Distribution System Operational Use	MI/d	4.90	3.60	3.60	3.60	3.61	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	
17 _N	14 _N -15 _N -16 _N	Water Delivered	MI/d	1002.29	1013.34	998.84	990.69	989.58	1019.97	1012.99	1006.37	1000.55	995.37	990.61	986.63	983.74	982.26	980.87	979.71	978.21	976.38	974.68	973.86	973.55	973.87	973.70	973.93	974.91	976.02	976.58	977.05	977.81	
POTABLE WATER DELIVERED NORMAL YEAR																																	
32 _N	Input	Water Taken Unbilled	MI/d	27.78	28.07	28.08	28.08	28.08	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	
33 _N	Input	Water Delivered Unmeasured Household	MI/d	522.22	537.78	520.75	505.35	487.10	483.46	464.95	447.14	430.03	414.73	399.44	384.90	371.67	360.12	349.30	338.73	328.22	317.92	307.99	298.50	288.73	280.68	272.70	265.09	257.90	250.96	244.05	237.30	230.79	
34 _N	Input	Unmeasured Household - USPL	MI/d	49.02	45.49	45.04	44.02	42.82	42.86	41.57	40.29	39.02	37.86	36.71	35.59	34.50	33.45	32.42	31.43	30.46	29.52	28.61	27.73	26.86	26.06	25.27	24.51	23.77	23.04	22.34	21.66	21.00	
35 _N	33 _N -34 _N	Unmeasured Household - Consumption	MI/d	473.20	492.28	475.71	461.33	444.28	440.60	423.38	406.85	391.02	376.87	362.73	349.31	337.16	326.68	316.88	307.30	297.76	288.39	279.38	270.77	261.87	254.62	247.43	240.58	234.14	227.91	221.70	215.64	209.80	
36 _N	Input	Unmeasured Household - PCC	l/h/d	149.33	150.49	150.49	151.04	151.63	152.22	152.57	152.83	153.10	153.34	153.20	153.01	153.03	153.49	153.96	154.36	154.61	154.71	154.85	154.97	154.70	155.16	155.63	156.12	156.60	157.07	157.54	158.03	158.52	
37 _N	Input	Water Delivered Measured Household	MI/d	154.84	163.93	176.15	189.97	205.82	232.34	248.50	264.20	279.75	294.01	308.39	322.57	336.37	349.79	362.68	375.49	387.77	399.42	410.70	422.33	434.71	446.14	456.97	467.75	478.78	489.64	499.83	509.72	519.53	
38 _N	Input	Measured Household - USPL	MI/d	9.53	10.81	12.08	13.08	14.23	16.19	17.44	18.67	19.90	21.08	22.23	23.36	24.46	25.54	26.59	27.61	28.60	29.56	30.50	31.40	32.29	33.11	33.90	34.68	35.44	36.18	36.90	37.60	38.28	
39 _N	37 _N -38 _N	Measured Household - Consumption	MI/d	145.31	153.12	164.07	176.89	191.58	216.15	231.06	245.53	259.84	272.93	286.16	299.21	311.91	324.25	336.09	347.88	359.17	369.86	380.20	390.93	402.42	413.03	423.07	433.07	443.34	453.46	462.93	472.12	481.25	
40 _N	Input	Measured Household - PCC	l/h/d	130.99	117.48	117.21	117.26	117.57	117.77	117.80	117.72	117.65	117.44	117.40	117.38	117.30	117.17	116.91	116.77	116.60	116.31	116.07	115.98	116.16	116.34	116.49	116.65	116.81	116.94	117.04	117.13	117.21	
41 _N	Input	Water Delivered Unmeasured Non Household	MI/d	2.13	2.54	2.46	2.38	2.31	2.35	2.27	2.20	2.13	2.06	1.99	1.92	1.86	1.79	1.73	1.67	1.62	1.56	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.50	1.50	1.50	1.50	
42 _N	Input	Unmeasured Non Household - USPL	MI/d	0.63	0.58	0.56	0.55	0.53	0.55	0.53	0.51	0.50	0.48	0.46	0.45	0.43	0.42	0.40	0.39	0.37	0.36	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.33	
43 _N	41 _N -42 _N	Unmeasured Non Household - Consumption	MI/d	1.50	1.97	1.90	1.83	1.77	1.81	1.75	1.69	1.63	1.58	1.52	1.47	1.42	1.38	1.33	1.29	1.25	1.21	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	
44 _N	Input	Water Delivered Measured Non Household	MI/d	290.39	4.65	4.02	3.99	4.02	4.23	4.19	4.15	4.11	4.07	4.03	3.99	3.95	3.91	3.86	3.81	3.76	3.72	3.68	3.64	3.59	3.54	3.50	3.45	3.40	3.35	3.31	3.26	3.22	
45 _N	Input	Measured Non Household - USPL	MI/d	0.94	1.09	1.10	1.10	1.11	1.19	1.20	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.20	1.20	1.20	1.19	1.19	1.19	1.18	1.18	1.18	1.17	1.17	1.17	1.16	
46 _N	44 _N -45 _N	Measured Non Household - Consumption	MI/d	289.45	3.57	2.93	2.89	2.90	3.04	2.99	2.95	2.90	2.86	2.82	2.78	2.74	2.69	2.65	2.60	2.56	2.52	2.48	2.44	2.40	2.36	2.31	2.27	2.22	2.18	2.13	2.09	2.06	
47 _N	Input	Void Properties - USPL	MI/d	128.21	4.79	5.11	5.14	5.18	5.47	5.52	5.57	5.62	5.60	5.61	5.61	5.61	5.60	5.59	5.58	5.57	5.56	5.54	5.53	5.51	5.50	5.49	5.47	5.46	5.45	5.43	5.42	5.40	
LEAKAGE NORMAL YEAR																																	
48 _N	Input	Total Leakage	MI/d	284.56	274.21	284.84	284.85	284.86	295.46	295.46	295.46	295.47	295.46	295.46	295.47	295.47	295.47	295.47	295.48	295.48	295.48	295.48	295.49	295.49	295.49	295.49	295.50	295.50	295.50	295.50	295.51	295.51	
49 _N	Input	Total Leakage	l/pr/d	154.51	131.72	142.21	132.76	131.86	130.76	130.01	129.17	128.23	127.42	126.39	125.29	124.15	122.98	121.82	120.66	119.51	118.38	117.27	116.16	115.07									