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

Workbook contents

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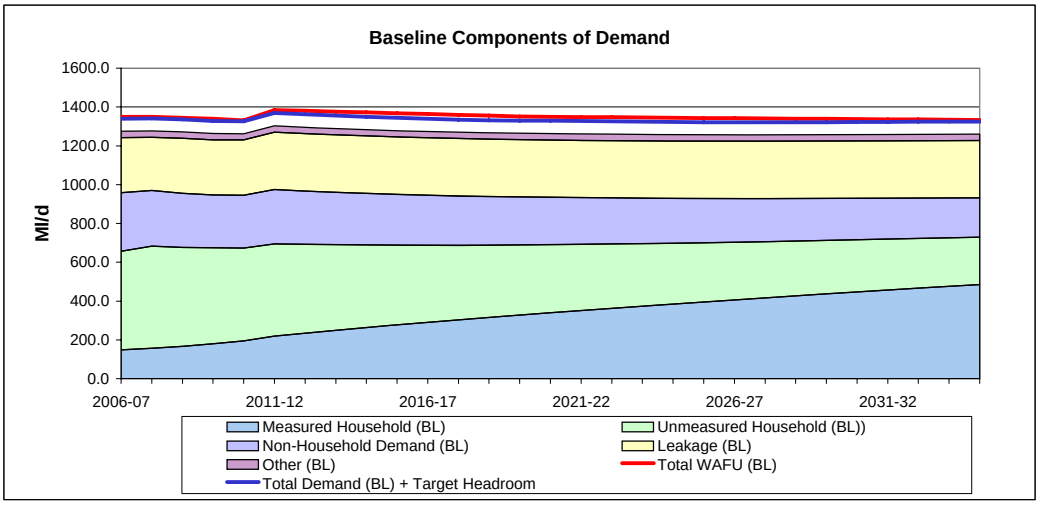
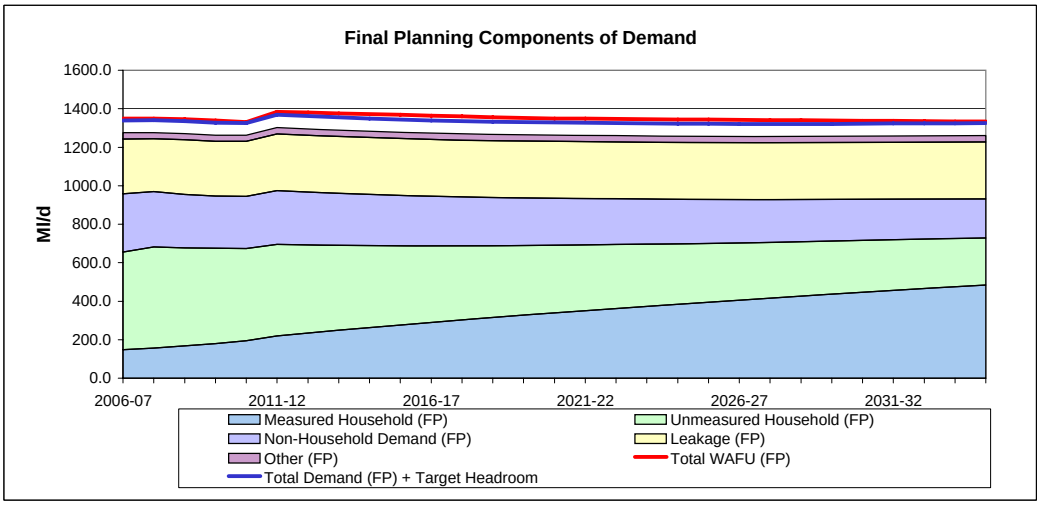
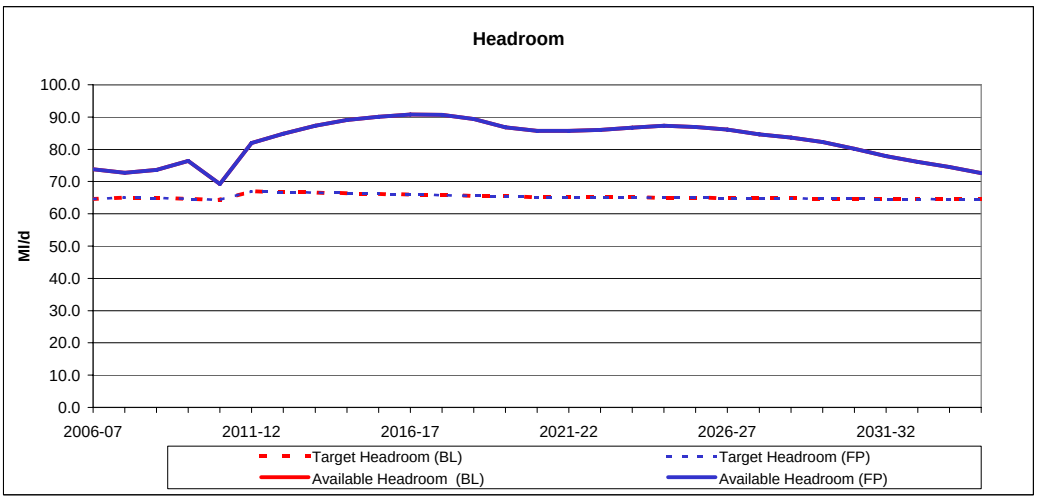
Summary graphs of WRP tables input data







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)	Ml/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 $2a_{BL}$	Reductions in Deployable Output	Ml/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
3_{BL}	Input	Outage Allowance	Ml/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	Ml/d	9.91	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	9.63	9.63
5_{BL}	$1_{BL}-(2_{BL}+3_{BL}+4_{BL})$	Water Available For Use (own sources)	Ml/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	Ml/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 $7a_{BL}$	Raw Water Exported (existing)	Ml/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
8_{BL}	WRP1a-BL $8a_{BL}$	Raw Water Imported (existing)	Ml/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	Ml/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_{BL}	WRP1a-BL $10a_{BL}$	Non Potable Supplies (existing)	Ml/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 BASELINE																															
11_{BL}	Input	Treatment Works Losses and Operational Use	Ml/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_{BL}	WRP1a-BL $12a_{BL}$	Potable Water Exported	Ml/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_{BL}	WRP1a-BL $13a_{BL}$	Potable Water Imported	Ml/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_{BL}	Input	Distribution Input	Ml/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	Ml/d	219.43	211.44	220.94	220.96	220.97	229.18	229.19	229.21	229.22	229.22	229.23	229.24	229.24	229.25	229.26	229.26	229.27	229.27	229.28	229.29	229.29	229.30	229.30	229.30	229.31	229.31	229.32	229.32	229.32
16_{BL}	Input	Distribution System Operational Use	Ml/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_{BL}	$14_{BL}-15_{BL}-16_{BL}$	Water Delivered	Ml/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	2.44	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	2.32	2.31	2.31	2.30	2.29	2.29
21_{BL}	WRP6-6.1_{BL}	Measured Household - Population	000's	1098.26	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
22_{BL}	WRP6-6.2_{BL}	Measured Household - Properties	000's	558.18	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
23_{BL}	$21_{BL}/22_{BL}$	Measured Household - Occupancy Rate	h/pr	1.97	2.17	2.17	2.19	2.20	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	2.18	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	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700	6.700
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	8.844	8.844	8.844	8.844	8.844	8.844	8.844	8.844	8.844	8.844
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	4591.05	4666.34	4652.67	4654.60	4651.30	4825.47	4832.06	4843.43	4858.16	4877.37	4900.90	4927.50	4957.80	4991.42	5028.61	5065.67	5102.05	5139.58	5175.49	5213.39	5252.69	5286.95	5317.14	5349.13	5386.17	5424.25	5458.28	5491.07	5524.84
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}	$22_{BL}/(22_{BL}+19_{BL})$	Total Household Metering penetration (excl. voids)	%	30%	33%	34%	36%	39%	42%	44%	47%	49%	51%	53%	55%	57%	59%	60%	62%	63%	65%	66%	67%	69%	70%	71%	72%	73%	74%	75%	76%	77%
30.2_{BL}	$22_{BL}/(22_{BL}+19_{BL}+29_{BL})$	Total Household Metering penetration (incl. voids)	%	29%	31%	34%	34%	37%	39%	42%	44%	46%	48%	50%	52%	54%	56%	57%	59%	60%	62%	63%	64%	65%	67%	68%	69%	70%	71%	72%	72%	73%
31_{BL}	$19_{BL}+22_{BL}+25_{BL}+27_{BL}+29_{BL}+30_{BL}$	Total Properties	000's	1964.80	2081.71	2002.97	2145.66	2160.37	2259.51	2272.59	2287.47	2304.23	2318.78	2337.77	2358.32	2380.03	2402.53	2425.54	2448.86	2472.37	2496.00	2519.72	2543.84	2567.99	2588.92	2609.87	2630.86	2651.87	2672.90	2693.96	2715.04	2736.13
POTABLE WATER DELIVERED BASELINE																															
32_{BL}	Input	Water Taken Unbilled	Ml/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_{BL}	Input	Water Delivered Unmeasured Household	Ml/d	556.13	571.51	554.50	539.10	520.87	518.26	499.75	481.93	464.83	449.53	434.24	419.69	406.46	394.92	384.09	373.52	363.01	352.70	342.78	333.28	323.52	315.46	307.48	299.88	292.69	285.74	278.83	272.08	265.57
34_{BL}	Input	Unmeasured Household - USPL	Ml/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_{BL}	$33_{BL}-34_{BL}$	Unmeasured Household - Consumption	Ml/d	507.11	526.02	509.46	495.09	478.05	475.40	458.18	441.64	425.81	411.67	397.53	384.10	371.96	361.47	351.67	342.09	332.55	323.18	314.17	305.56	296.66	289.41	282.21	275.37	268.92	262.69	256.48	250.42	244.57
36_{BL}	(35_{BL}*1000000)/(18_{BL}*1000)	Unmeasured Household - 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
37_{BL}	Input	Water Delivered Measured Household	Ml/d	158.14	167.24	179.46	193.29	209.14	235.83	251.98	267.68	283.23	297.50	311.88	326.05	339.85	353.27	366.16	378.97	391.25	402.91	414.19	425.82	438.19	449.62	460.46	471.23	482.27	493.12	503.31	513.21	523.01
38_{BL}	Input	Measured Household - USPL	Ml/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_{BL}	$37_{BL}-38_{BL}$	Measured Household - Consumption	Ml/d	148.61	156.43	167.39	180.21	194.90	219.63	234.55	249.01	263.33	276.41	289.64	302.69	315.39	327.73	339.58	351.36	362.66	373.34	383.69	394.41	405.90	416.51	426.55	436.55	446.83	456.94	466.42	475.61	484.73
40_{BL}	(39_{BL}*1000000)/(21_{BL}*1000)	Measured Household - PCC	l/h/d	135.31	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
40.1_{BL}	5_{BL}+39_{BL})*1000000)/((18_{BL}+21_{BL})*10	Average Household - PCC	l/h/d	155.71	149.18	148.40	148.00	147.59	146.94	146.25	145.47	144.70	143.90	143.00	142.14	141.37	140.77	140.13	139.53	138.86	138.09	137.38	136.77	136.23	135.98	135.74	135.51	135.29	135.05	134.80	134.56	134.33
41_{BL}	Input	Water Delivered Unmeasured Non Household	Ml/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	1.50	1.50	1.50	1.50	1.50
42_{BL}	Input	Unmeasured Non Household - USPL	Ml/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_{BL}	$41_{BL}-42_{BL}$	Unmeasured Non Household - Consumption	Ml/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_{BL}	Input	Water Delivered Measured Non Household	Ml/d	301.49	286.86	276.93	270.42	271.74	278.56	273.96	269.48	265.23	261.17	257.39	253.84	250.44	247.15	243.77	240.45	237.23	234.12	231.13	228.20	225.30	222.25	219.24	216.31	213.46	210.68	207.98	205.35	202.79
45_{BL}	Input	Measured Non Household - USPL	Ml/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_{BL}	$44_{BL}-45_{BL}$	Measured Non Household - Consumption	Ml/d	300.55	285.78	275.83	269.32	270.63	277.36	272.75	268.27	264.02	259.96	256.17	252.63	249.23	245.94	242.56	239.24	236.03	232.92	229.93	227.00	224.11	221.06	218.05	215.13	212.28	209.51	206.81	204.18	201.63
47_{BL}	Input	Void Properties - USPL	Ml/d	4.93	4.80	5.12	5.15	5.19	5.48	5.53	5.58	5.62	5.61	5.62	5.62	5.61	5.61	5.60	5.59	5.58	5.56	5.55	5.53	5.52	5.51	5.49	5.48	5.47	5.45	5.44	5.42	5.41
LEAKAGE BASELINE																															
48_{BL}	$15_{BL}+34_{BL}+38_{BL}+42_{BL}+45_{BL}+47_{BL}$	Total Leakage	Ml/d	284.48	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_{BL}	(48_{BL}*1000000)/(31_{BL}*1000)	Total Leakage	l/pr/d	144.79	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	114.14	113.22	112.32	111.43	110.55	109.69	108.84	108.00
SUPPLY DEMAND BALANCE BASELINE																															
50_{BL}	$5_{BL}+(8_{BL}+13_{BL})-(7_{BL}+12_{BL})-10_{BL}$	Total Water Available For Use	Ml/d	1348.76	1348.77	1344.75	1339.34	1331.13	1384.49	1380.38	1376.28	1372.17	1368.07	1363.96	1359.86	1355.75	1351.65	1349.18	1348.03	1346.89	1345.74	1344.59	1343.44	1342.29	1341.14	1339.99	1338.84	1337.69	1336.54	1335.39	1334.24	1333.09
51_{BL}	Input	Available Headroom	Ml/d	73.83	72.69	73.65	76.35	69.23	81.96	84.83	87.33	89.04	90.12	90.76	90.63	89.41	86.79	85.70	85.71	86.05	86.73	87.28	86.94	86.09	84.62	83.64	82.26	80.13	77.86	76.14	74.49	72.62
52_{BL}	Input	Target Headroom	Ml/d	64.56	65.10	64.91	64.65	64.24	66.92	66.72	66.52	66.32	66.13	65.93	65.73	65.53	65.33	65.22	65.16	65.10	65.05	64.99	64.94	64.88	64.83	64.77	64.72	64.66	64.61	64.55	64.50	64.44
53_{BL}	$51_{BL}-52_{BL}$	Supply Demand Balance	Ml/d	9.27	7.59	8.74	11.71	4.99	15.04	18.11	20.81	22.72	23.99	24.84	24.90	23.88	21.45	20.49	20.55	20.95	21.68	22.28	22.00	21.21	19.80	18.87	17.54	15.46	13.25	11.59	9.99	8.18

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

ROW Ref.	DERIVATION	DESCRIPTION *[Insert /delete non-numbered lines to suit]*	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	Ml/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	Ml/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
			Ml/d																													
			Ml/d																													
			Ml/d																													
			Ml/d																													
$7a_{BL}$	Input as appropriate	Baseline Raw Water Exported (existing). Total here and specify below	Ml/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
		to	Ml/d																													
		to	Ml/d																													
		to	Ml/d																													
$8a_{BL}$	Input as appropriate	Baseline Raw Water Imported (existing). Total here and specify below	Ml/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	Ml/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	Ml/d																													
		from	Ml/d																													
$10a_{BL}$	Input as appropriate	Baseline Non Potable Supplies (existing). Total here and specify below	Ml/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
		to	Ml/d																													
		to	Ml/d																													
		to	Ml/d																													
$12a_{BL}$	Input as appropriate	Baseline Potable Water Exported. Total here and specify below	Ml/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	Ml/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	Ml/d																													
		to	Ml/d																													
$13a_{BL}$	Input as appropriate	Baseline Potable Water Imported. Total here and specify below	Ml/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
		from	Ml/d																													
		from	Ml/d																													
		from	Ml/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

			WATER MANAGEMENT OPTION COST AND SOLUTION - TO BE COMPLETED FOR ALL FEASIBLE OPTIONS										
ROW Ref.	DERIVATION	OPTION DESCRIPTION *[Insert / delete non-numbered lines to suit]*	OPTION REFERENCE No.	WAFU ON FULL IMPLEMENTATION (Ml/d)	EARLIEST POTENTIAL OPTION START DATE (YEAR)	NPV of WAFU (Ml)	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 (Ml/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 *[Insert / delete non-numbered lines to suit]*	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 WRP4-FP: 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 FINAL PLANNING																																
1_{FP}	Input	Deployable Output	Ml/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_{FP}	WRP4a-FP $2a_{FP}$	Reductions in Deployable Output	Ml/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
3_{FP}	Input	Outage Allowance	Ml/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_{FP}	$9_{FP}+11_{FP}$	Process Losses	Ml/d	9.91	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	9.63	9.63
5_{FP}	1_{FP}-(2_{FP}+3_{FP}+4_{FP})	Water Available For Use (own sources)	Ml/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 FINAL PLANNING																																
6_{FP}	Input	Raw Water Abstracted	Ml/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_{FP}	WRP4a-FP $7a_{FP}$	Raw Water Exported	Ml/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
8_{FP}	WRP4a-FP $8a_{FP}$	Raw Water Imported	Ml/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_{FP}	Input	Raw Water Losses and Operational Use	Ml/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_{FP}	WRP4a- FP $10a_{FP}$	Non Potable Supplies	Ml/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 FINAL PLANNING																																
11_{FP}	Input	Treatment Works Losses and Operational Use	Ml/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_{FP}	WRP4a-FP $12a_{FP}$	Potable Water Exported	Ml/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_{FP}	WRP4a-FP $13a_{FP}$	Potable Water Imported	Ml/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_{FP}	Input	Distribution Input	Ml/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_{FP}	Input	Distribution Losses	Ml/d	219.43	211.44	220.94	220.96	220.97	229.18	229.19	229.21	229.22	229.22	229.23	229.24	229.24	229.25	229.26	229.26	229.27	229.27	229.28	229.29	229.29	229.30	229.30	229.30	229.31	229.31	229.32	229.32	229.32
16_{FP}	Input	Distribution System Operational Use	Ml/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_{FP}	14_{FP}-15_{FP}-16_{FP}	Water Delivered	Ml/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 FINAL PLANNING																																
18_{FP}	Input	Unmeasured Household - Population	000's	3112.87	3271.29	3161.16	3054.40	2930.11	2894.52	2775.00	2662.06	2553.96	2457.75	2367.77	2282.93	2203.27	2128.40	2058.16	1990.80	1925.95	1864.14	1804.19	1747.21	1692.80	1641.07	1589.88	1540.98	1495.15	1451.06	1407.28	1364.58	1323.48
19_{FP}	Input	Unmeasured Household - Properties	000's	1273.31	1236.08	1236.08	1204.28	1169.46	1162.83	1121.21	1081.61	1043.70	1007.29	974.96	944.51	915.64	888.17	861.92	836.77	812.61	789.36	766.93	745.28	724.34	704.07	684.43	665.39	646.92	628.98	611.57	594.65	578.21
20_{FP}	18_{FP}/19_{FP}	Unmeasured Household - Occupancy Rate	h/pr	2.44	2.65	2.56	2.54	2.51	2.49	2.48	2.46	2.45	2.44	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	2.32	2.31	2.31	2.30	2.29	2.29
21_{FP}	WRP6a-6.1_{FP}	Measured Household - Population	000's	1098.26	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
22_{FP}	WRP6a-6.2_{FP}	Measured Household - Properties	000's	558.18	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
23_{FP}	21_{FP}/22_{FP}	Measured Household - Occupancy Rate	h/pr	1.97	2.17	2.17	2.19	2.20	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	2.18	2.17	2.17	2.17	2.16
24_{FP}	Input	Unmeasured Non Household - Population	000's	5.87	6.38	6.38	6.38	6.38	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
25_{FP}	Input	Unmeasured Non Household - Properties	000's	16.38	15.66	15.09	14.55	14.02	14.26	13.74	13.25	12.77	12.31	11.86	11.44	11.02	10.63	10.24	9.87	9.52	9.18	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84
26_{FP}	Input	Measured Non Household - Population	000's	374.05	85.32	85.32	85.32	85.32	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90	88.90
27_{FP}	Input	Measured Non Household - Properties	000's	0.11	104.90	104.90	104.90	104.90	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70	111.70
28_{FP}	18_{FP}+21_{FP}+24_{FP}+26_{FP}	Total Population	000's	4591.05	4666.34	4652.67	4654.60	4651.30	4825.47	4832.06	4843.43	4858.16	4877.37	4900.90	4927.50	4957.80	4991.42	5028.61	5065.67	5102.05	5139.58	5175.49	5213.39	5252.69	5286.95	5317.14	5349.13	5386.17	5424.25	5458.28	5491.07	5524.84
29_{FP}	Input	Void Households	000's	98.12	105.18	0.96	110.77	109.90	113.60	113.60	113.60	113.60	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94
30_{FP}	Input	Void Non Households	000's	18.70	19.98	0.93	21.23	21.94	24.71	25.40	26.09	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78	26.78
30.1_{FP}	22_{FP}/(22_{FP}+19_{FP})	Total Household Metering penetration (excl. voids)	%	30%	33%	34%	36%	39%	42%	44%	47%	49%	51%	53%	55%	57%	59%	60%	62%	63%	65%	66%	67%	69%	70%	71%	72%	73%	74%	75%	76%	77%
30.2_{FP}	22_{FP}/(22_{FP}+19_{FP}+29_{FP})	Total Household Metering penetration (incl. voids)	%	29%	31%	34%	34%	37%	39%	42%	44%	46%	48%	50%	52%	54%	56%	57%	59%	60%	62%	63%	64%	65%	67%	68%	69%	70%	71%	72%	72%	73%
31_{FP}	19_{FP}+22_{FP}+25_{FP}+27_{FP}+29_{FP}+30_{FP}	Total Properties	000's	1964.80	2081.71	2002.97	2145.66	2160.37	2259.51	2272.59	2287.47	2304.23	2318.78	2337.77	2358.32	2380.03	2402.53	2425.54	2448.86	2472.37	2496.00	2519.72	2543.84	2567.99	2588.92	2609.87	2630.86	2651.87	2672.90	2693.96	2715.04	2736.13
POTABLE WATER DELIVERED FINAL PLANNING																																
32_{FP}	Input	Water Taken Unbilled	Ml/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_{FP}	Input	Water Delivered Unmeasured Household	Ml/d	556.13	571.51	554.50	539.10	520.87	518.26	499.75	481.93	464.83	449.53	434.24	419.69	406.46	394.92	384.09	373.52	363.01	352.70	342.78	333.28	323.52	315.46	307.48	299.88	292.69	285.74	278.83	272.08	265.57
34_{FP}	Input	Unmeasured Household - USPL	Ml/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_{FP}	33_{FP}-34_{FP}	Unmeasured Household - Consumption	Ml/d	507.11	526.02	509.46	495.09	478.05	475.40	458.18	441.64	425.81	411.67	397.53	384.10	371.96	361.47	351.67	342.09	332.55	323.18	314.17	305.56	296.66	289.41	282.21	275.37	268.92	262.69	256.48	250.42	244.57
36_{FP}	(35_{FP}*1000000)/(18_{FP}*1000)	Unmeasured Household - 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
37_{FP}	Input	Water Delivered Measured Household	Ml/d	158.14	167.24	179.46	193.29	209.14	235.83	251.98	267.68	283.23	297.50	311.88	326.05	339.85	353.27	366.16	378.97	391.25	402.91	414.19	425.82	438.19	449.62	460.46	471.23	482.27	493.12	503.31	513.21	523.01
38_{FP}	Input	Measured Household - USPL	Ml/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_{FP}	37_{FP}-38_{FP}	Measured Household - Consumption	Ml/d	148.61	156.43	167.39	180.21	194.90	219.63	234.55	249.01	263.33	276.41	289.64	302.69	315.39	327.73	339.58	351.36	362.66	373.34	383.69	394.41	405.90	416.51	426.55	436.55	446.83	456.94	466.42	475.61	484.73
40_{FP}	(39_{FP}*1000000)/(21_{FP}*1000)	Measured Household - PCC	l/h/d	135.31	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
40.1_{FP}	(35_{FP}+39_{FP})*1000000)/((18_{FP}+21_{FP})*1000	Average Household - PCC	l/h/d	155.71	149.18	148.40	148.00	147.59	146.94	146.25	145.47	144.70	143.90	143.00	142.14	141.37	140.77	140.13	139.53	138.86	138.09	137.38	136.77	136.23	135.98	135.74	135.51	135.29	135.05	134.80	134.56	134.33
41_{FP}	Input	Water Delivered Unmeasured Non Household	Ml/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	1.50	1.50	1.50	1.50	1.50
42_{FP}	Input	Unmeasured Non Household - USPL	Ml/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_{FP}	41_{FP}-42_{FP}	Unmeasured Non Household - Consumption	Ml/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_{FP}	Input	Water Delivered Measured Non Household	Ml/d	301.49	286.86	276.93	270.42	271.74	278.56	273.96	269.48	265.23	261.17	257.39	253.84	250.44	247.15	243.77	240.45	237.23	234.12	231.13	228.20	225.30	222.25	219.24	216.31	213.46	210.68	207.98	205.35	202.79
45_{FP}	Input	Measured Non Household - USPL	Ml/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_{FP}	44_{FP}-45_{FP}	Measured Non Household - Consumption	Ml/d	300.55	285.78	275.83	269.32	270.63	277.36	272.75	268.27	264.02	259.96	256.17	252.63	249.23	245.94	242.56	239.24	236.03	232.92	229.93	227.00	224.11	221.06	218.05	215.13	212.28	209.51	206.81	204.18	201.63
47_{FP}	Input	Void Properties - USPL	Ml/d	4.93	4.80	5.12	5.15	5.19	5.48	5.53	5.58	5.62	5.61	5.62	5.62	5.61	5.61	5.60	5.59	5.58	5.56	5.55	5.53	5.52	5.51	5.49	5.48	5.47	5.45	5.44	5.42	5.41
LEAKAGE FINAL PLANNING																																
48_{FP}	15_{FP}+34_{FP}+38_{FP}+42_{FP}+45_{FP}+47_{FP}	Total Leakage	Ml/d	284.48	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_{FP}	(48_{FP}*1000000)/(31_{FP}*1000)	Total Leakage	l/pr/d	144.79	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	114.14	113.22	112.32	111.43	110.55	109.69	108.84	108.00
SUPPLY DEMAND BALANCE FINAL PLANNING																																
50_{FP}	5_{FP}+(8_{FP}+13_{FP})-(7_{FP}+12_{FP})-10_{FP}	Total Water Available For Use	Ml/d	1348.76	1348.77	1344.75	1339.34	1331.13	1384.49	1380.38	1376.28	1372.17	1368.07	1363.96	1359.86	1355.75	1351.65	1349.18	1348.03	1346.89	1345.74	1344.59	1343.44	1342.29	1341.14	1339.99	1338.84	1337.69	1336.54	1335.39	1334.24	1333.09
51_{FP}	Input	Available Headroom	Ml/d	73.83	72.69	73.65	76.35	69.23	81.96	84.83	87.33	89.04	90.12	90.76	90.63	89.41	86.79	85.70	85.71	86.05	86.73	87.28	86.94	86.09	84.62	83.64	82.26	80.13	77.86	76.14	74.49	72.62
52_{FP}	Input	Target Headroom	Ml/d	64.56	65.10	64.91	64.65	64.24	66.92	66.72	66.52	66.32	66.13	65.93	65.73	65.53	65.33	65.22	65.16	65.10	65.05	64.99	64.94	64.88	64.83	64.77	64.72	64.66	64.61	64.55	64.50	64.44
53_{FP}	51_{FP}-52_{FP}	Supply Demand Balance	Ml/d	9.27	7.59	8.74	11.71	4.99	15.04	18.11	20.81	22.72	23.99	24.84	24.90	23.88	21.45	20.49	20.55	20.95	21.68	22.28	22.00	21.21	19.80	18.87	17.54	15.46	13.25	11.59	9.99	8.18

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 *[Insert / delete non-numbered lines to suit]*	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	Ml/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	Ml/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
			Ml/d																												
			Ml/d																												
			Ml/d																												
			Ml/d																												
$7a_{FP}$	Input as appropriate	Final Planning Raw Water Exported. Total here and specify below	Ml/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
		to	Ml/d																												
		to	Ml/d																												
		to	Ml/d																												
$8a_{FP}$	Input as appropriate	Final Planning Raw Water Imported. Total here and specify below	Ml/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	Ml/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	Ml/d																												
		from	Ml/d																												
$10a_{FP}$	Input as appropriate	Final Planning Non Potable Supplies. Total here and specify below	Ml/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
		to	Ml/d																												
		to	Ml/d																												
		to	Ml/d																												
$12a_{FP}$	Input as appropriate	Final Planning Potable Water Exported. Total here and specify below	Ml/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	Ml/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	Ml/d																												
		to	Ml/d																												
$13a_{FP}$	Input as appropriate	Final Planning Potable Water Imported. Total here and specify below	Ml/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
		from	Ml/d																												
		from	Ml/d																												
		from	Ml/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

ɔployable output reconciliatic

Licence number	Source name	Source type (GW/SW/Res/Conj. use)	Dry year deployable output (Ml/d)	Critical period deployable output (Ml/d)	Annual licenced quantity (Ml/d)
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 & RIVER	sw/ conj. Use	)		17.53
2.27.21.16	Scargill 1 Haver	res/ 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		9.59
2.27.20.88	Washburn Valley	res/ conj. Use	72.56		120.00
2.27.24.158	Moor Monkton - Ecc	sw/ conj. Use	121.74		200.00
	- Hu	sw/ conj. Use			)
	- EN	sw/ conj. Use	18.04		)
2.27.27.2	Norton (Howe Hill)	gw/ conj. Use	21.53		2.49
2.27.25.15	East Ness BH	gw/ conj. Use	)		15.56
2.27.25.128	KELD HEAD BORE	gw	)		9.09
2.27.20.196	Arthington	sw/ conj. Use	6.62		60.00
2.27.23.26	Kepwick Springs	gw/ conj. Use	1.72		3.49
2.27.23.332	Ainderby Steeple	gw/ conj. Use	4.82		4.82
2.27.22.20	Addleborough (Ayst	gw/ conj. Use	1.27		0.93
2.27.22.546	Countersett	gw/ 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	Marsett	gw/ conj. Use	)		0.09
2.27.22.20	Newbiggin	gw/ conj. Use	)		0.93
2.27.22.21	Stalling Busk	gw/ conj. Use	)		0.09
2.27.22.214	Thornton Steward	res/ conj. Use	1.89		41.10
2.27.23.46	CRANEHOW BOTT	gw/ conj. Use	)		0.87
2.27.23.684	Stubbing Nook BH	gw/ conj. Use	0.20		0.37
2.27.23.685	Hollin Hill BH	gw/ conj. Use	)		0.12
2.27.23.32	Bellerby BH	gw/ conj. Use	0.48		3.42
2.26.32.126	Cottingham BH	gw/ conj. Use	76.30		90.00
2.26.32.126	Dunswell Bh	gw/ conj. Use	)		)
2.26.32.126	Keldgate BH	gw/ conj. Use	)		)
2.26.32.126	Springhead BH	gw/ conj. Use	)		)
2.26.31.47	River Hull and West	sw/ conj. Use	54.75		68.49
2.26.32.124	Elton BH	gw/ conj. Use	8.33		13.97
2.26.34.6	Newbald BH	gw/ conj. Use	)		1.50
	Selby Borehole Group:				
	GROUP LICENCE		54.77		70.66
2.27.24.305	Brayton North & Sol	gw/ conj. Use			6.16
2.27.18.79	Carlton (Mill Lane)	gw/ conj. Use			10.41
2.27.18.81	Cowick	gw/ conj. Use			14.38
2.27.18.77	Heck	gw/ conj. Use			6.82
2.27.18.78	Pollington	gw/ conj. Use			13.70
2.27.18.80	Carlton (Hangar Lat	gw/ conj. Use			9.59
2.27.18.120	Goose House	gw/ conj. Use			9.59
	Doncaster Borehole Group:				
	GROUP LICENCE I				83.00
	Austerfield/Highfield Lane combined				
3.28.83.12	Austerfield BH	gw/ conj. Use	21.88		27.28
3.28.83.12	Highfield Lane BH	gw/ conj. Use			27.28
3.28.83.107	Littleworth BH	gw/ conj. Use	3.20		4.55
3.28.83.12	Hatfield BH	gw/ conj. Use	13.12		9.09
3.28.83.12	Doncaster Subgroup (3.28.83.12)				71.37
3.28.83.100	Hatfield Woodhouse	gw/ conj. Use	)		9.09
3.28.83.12	Finningley BH	gw/ conj. Use	35.32		18.59
3.28.83.12	Rossington Bridge E	gw/ conj. Use	)		14.20
3.28.83.12	Nutwell BH	gw/ conj. Use	)		13.65
3.28.83.10	Armthorpe BH	gw/ conj. Use	)		9.09
3.28.83.105	Boston Park BH	gw/ conj. Use	)		9.09
3.28.83.12	Thornham BH	gw/ conj. Use	)		17.02
2.27.5.29	Redmires	res/ conj. Use	11.65		31.14
2.27.5.29	Rivelin	res/ conj. Use			)
2.27.5.30	Loxley/Damflask (D	res/ conj. Use	34.72		58.66
2.27.5.31	Ewden/Morehall (Bi	res/ conj. Use	31.24		43.56
2.27.5.12	Don Valley (Ingbirc	res/ conj. Use	13.28		9.96
2.27.5.202	INGBIRCHWORTH	gw/ conj. Use	)		0.36
2.27.5.13	Royd Moor	res/ conj. Use	)		8.10
2.27.5.32	Langsett	res/ conj. Use	50.45		56.16
2.27.5.11	Midhope	res/ conj. Use	)		)
2.27.5.26	Winscar Group	res/ conj. Use	14.76		27.78
2.27.12.254	Boothwood/Rybum	res/ conj. Use	group = 40.00		56.05
2.27.12.35	Baitings/Ryburn (Bl	res/ conj. Use	7.48		)
2.27.12.37	Ringstone	res/ conj. Use	11.23		)
2.27.12.254	Boothwood	res/ conj. Use	21.29		)
2.27.12.36	Withens 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 & Scarr	res/ conj. Use	23.22		16.81
2.27.11.64	Colne Valley Catchi	sw/ conj. Use	)		33.38
2.27.11.65	Deerhill/Blackmoorf	res/ conj. Use	25.56		43.59
2.27.10.63	Holmestyes, Digley	res/ conj. Use	26.55		25.53
2.27.10.11	Yateholme, Riding \	res/ conj. Use	)		18.68
2.27.12.41	Widdop + Gorple +	res/ conj. Use	39.77		62.27
	Luddenden Group	res/ conj. Use	4.98		)
	Ogden/Mixenden	res/ conj. Use	4.39		)
2.27.16.160	Bradford Group (Th	res/ conj. Use	10.06		17.02
2.27.21.92	Scar House/Angram	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 - Lobwoo	sw/ conj. Use	50.38		75.05
2.27.19.54	Upper & Lower Barr	res/ conj. Use	25.24		38.97
2.27.19.51	) Greenhow Tunnel				0.59
2.27.19.52	) Shaft				
2.27.16.22	Graincliffe	res/ conj. Use	12.23		7.47
2.27.16.21	Weecher	res/ conj. Use	)		2.49
2.27.16.23	Reva	res/ conj. Use	)		3.74
2.27.19.9	Carr Bottom	res/ conj. Use	)		1.12
2.27.19.6	Old Reservoir (Pan	res/ conj. Use	)		2.74
2.27.14.10	Keighley Moor Res	res/ conj. Use	1.85		2.24
2.27.15.41	Watersheddles	res/ conj. Use	6.62		7.47
2.27.14.58	Ponden	res/ conj. Use	3.19		3.41
2.27.14.9	Lower Laithe	res/ conj. Use	5.81		5.92
2.27.15.45	Embsay	res/ conj. Use	1.50		5.06
2.27.15.42	Whinney Gill & Jenn	res/ conj. Use	)		1.03
26.72.516.9	Chapel-le-Dale (Sca	gw/ conj. Use	0.04		1.05
2.27.19.121	Hawkswick	gw/ conj. Use	)		0.07
2.27.28.17	River Derwent (Elvi	sw/ conj. Use	127.17		205.48
2.27.28.270	Loftsome ASR	gw/ conj. Use	0.65		2.05
2.27.28.83	Barmby	sw/ conj. Use	75.68		83.29
2.27.22.38	Lower Dunsforth/Bo	gw/ conj. Use	5.58		5.48
2.27.23.355	Studforth BH	gw/ conj. Use	)		1.23
2.27.23.34	Garland Hill (West S	gw/ conj. Use	10.05		0.77
2.27.23.340	Catterick Bridge	gw/ conj. Use	)		8.00
2.27.23.31	Coalsgarth	gw/ conj. Use	)		2.06
2.27.23.30	Crumma	gw/ conj. Use	)		3.74
2.27.23.30	Newsham	gw/ conj. Use	)		3.74
2.27.22.214	Kilgram River Ure	sw/ conj. Use	31.59		41.10
2.27.24.78	Acomb Landing	sw/ conj. Use	27.27		95.89
2.26.30.4	BURTON AGNES B	gw	27.94		2.74
2.26.30.3	HAISTHORPE BOR	gw	)		13.70
2.26.30.2	BRIDLINGTON (Mil	gw	)		6.85
2.26.31.2	KILHAM BOREHOL	gw	)		4.98
2.26.31.87	ELMSWELL WOLD	gw	)		3.49
2.27.27.163	CAYTON STATION	gw	21.56		7.25
2.27.27.136	CAYTON CARR LA	gw	)		10.76
2.27.27.58	IRTON BOREHOLE	gw	)		22.51
2.26.31.6	HUTTON CRANSW	gw	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	1098.26	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	558.18	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	2.22	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	2.19	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
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	2.20	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	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	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!	#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	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	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	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!	#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	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	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	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!	#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	0.00
6.25_{BL}	Input	Other changes to existing metering	Population	000's	1003.31	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	509.98	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	588.18
6.27_{BL}	$6.25_{BL}/6.26_{BL}$	Other changes to existing metering	Occupancy	h/prop	1.97	2.17	2.17	2.19	2.21	2.21	2.22	2.23	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	134.96	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	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	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!	#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!	#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!	#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!	#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!	#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!	#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!	#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 *Insert additional components as required*	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	37.12	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	17.05	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	0.49	0.50	0.50	0.50	0.51	0.51	0.51	0.52	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 *Insert additional components as required*	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	37.12	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	17.05	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	0.49	0.50	0.50	0.50	0.51	0.51	0.51	0.52	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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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
8.7	Input	Fuel refining	C19	Ml/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
8.8	Input	Chemicals, rubbers, plastics and man-made material (manufacture)	C20, C21, C22	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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			Ml/d																												
8.19	Input			Ml/d																												
8.20	Input			Ml/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	Ml/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
5_N	Input	Water Available For Use (own sources)	Ml/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	Ml/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)	Ml/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
8_N	Input	Raw Water Imported (existing)	Ml/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	Ml/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)	Ml/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	Ml/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	Ml/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	Ml/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	Ml/d	1226.71	1228.39	1223.39	1215.26	1214.17	1252.91	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	Ml/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	Ml/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	Ml/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	976.59	977.09	977.81
POTABLE WATER DELIVERED NORMAL YEAR																																
32_N	Input	Water Taken Unbilled	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	1.50	1.50	1.50	1.50	1.50
42_N	Input	Unmeasured Non Household - USPL	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	Ml/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	114.14	113.22	112.32	111.43	110.55	109.69	108.84	108.00
SUPPLY DEMAND BALANCE NORMAL YEAR																																
50_N	5_N+(8_N+13_N)-(7_N+12_N)-10_N	Total Water Available For Use	Ml/d	1348.76	1348.83	1344.81	1339.40	1331.19	1384.58	1380.49	1376.37	1372.27	1368.16	1364.06	1359.95	1355.85	1351.74	1349.28	1348.13	1346.98	1345.83	1344.68	1343.53	1342.38	1341.24	1340.09	1338.94	1337.79	1336.64	1335.49	1334.34	1333.19
51_N	Input	Available Headroom	Ml/d	122.05	120.38	121.51	124.36	117.41	134.13	135.18	137.68	139.39	140.46	141.11	140.97	139.76	137.13	135.99	135.88	136.12	136.70	137.14	136.75	135.90	134.43	133.45	132.07	129.93	127.66	125.94	124.29	122.42
52_N	Input	Target Headroom	Ml/d	64.56	65.10	64.91	64.65	64.24	67.02	66.72	66.52	66.32	66.13	65.93	65.73	65.53	65.33	65.22	65.16	65.10	65.05	64.99	64.94	64.88	64.83	64.77	64.72	64.66	64.61	64.55	64.50	64.44
53_N	51_N-52_N	Supply Demand Balance	Ml/d	57.50	55.28	56.60	59.72	53.16	67.11	68.46	71.16	73.07	74.34	75.18	75.24	74.22	71.79	70.77	70.72	71.02	71.65	72.14	71.81	71.02	69.60	68.68	67.35	65.27	63.05	61.39	59.80	57.98

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