

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: East GWZ
Resource Zone Number: 3 of 3
Planning Scenario Name: Critical period
Chosen Level of Service: 1 in 25

Responsible Officer: Clare Dunlop

Signed: _____

Dated: _____

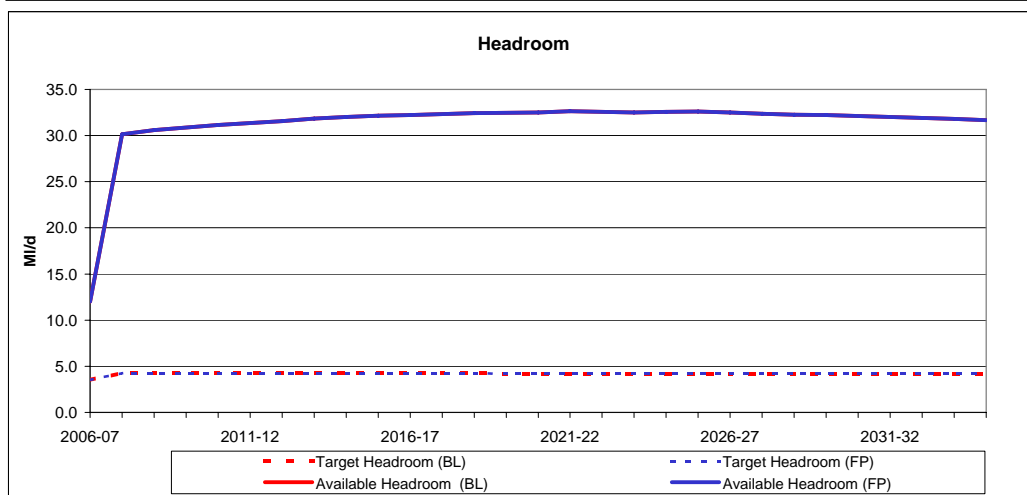
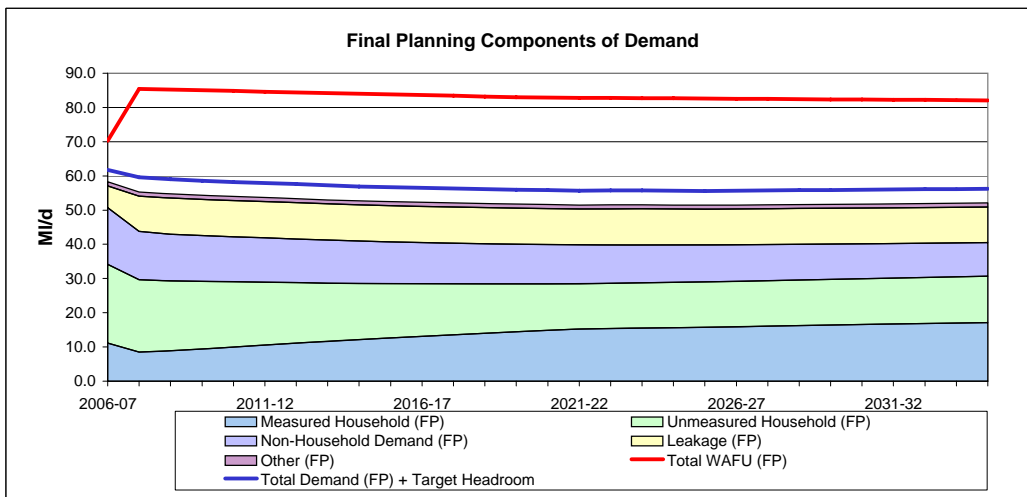
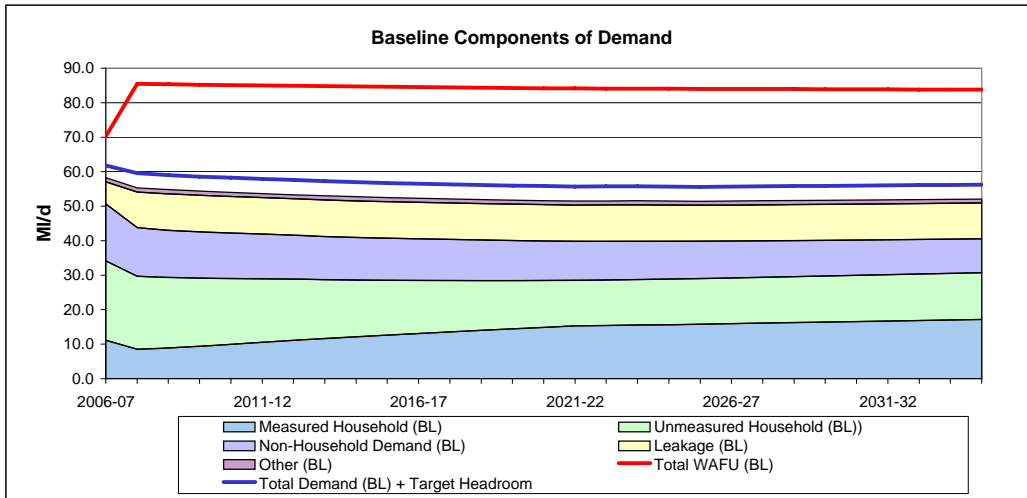
Version: **Final***

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Workbook contents

Summary	Summary graphs of WRP tables input data	Summary
WRP1-BL	Baseline supply-demand components	WRP1-BL
WRP1a-BL	Baseline WRP1 supporting transfer and DO reductions data	WRP1a-BL
WRP2	Feasible list of water management options	WRP2
WRP3	Preferred list of water management options	WRP3
WRP4-FP	Final planning supply-demand components	WRP4-FP
WRP4a-FP	Final planning WRP4 supporting transfer and DO reductions data	WRP4a-FP
WRP5	Baseline resource zone deployable output reconciliation	WRP5
WRP6	Baseline breakdown of measured households	WRP6-BL
WRP6a	Final planning breakdown of measured households	WRP6a-FP
WRP7	Baseline household micro-component consumption	WRP7
WRP7a	Final planning household micro-component consumption	WRP7a
WRP8	Baseline non-household sector consumption	WRP8
WRP9	Normal year supply-demand components	WRP9

Summary graphs of WRP tables input data



Company:	Yorkshire Water
Resource Zone Name	East GWZ
Resource Zone Number:	3 of 3
Planning Scenario Name:	Critical period
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	72.29	87.65	87.55	87.45	87.35	87.25	87.15	87.05	86.95	86.84	86.74	86.64	86.54	86.44	86.38	86.35	86.32	86.30	86.27	86.24	86.21	86.18	86.16	86.13	86.10	86.07	86.04	86.01	85.99	
2 _{BL}	WRP1a-BL 2a _{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	0.30	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27		
4 _{BL}	9 _{BL} +11 _{BL}	Process Losses	MI/d	1.75	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96		
5 _{BL}	1 _{BL} -(2 _{BL} +3 _{BL} +4 _{BL})	Water Available For Use (own sources)	MI/d	70.24	85.42	85.32	85.22	85.12	85.02	84.92	84.82	84.72	84.61	84.51	84.41	84.31	84.21	84.15	84.12	84.09	84.07	84.04	84.01	83.98	83.95	83.93	83.90	83.87	83.84	83.81	83.78	83.76	
RAW WATER BASELINE																																	
6 _{BL}	Input	Raw Water Abstracted	MI/d	60.00	57.24	56.70	56.29	55.94	55.63	55.30	54.94	54.65	54.43	54.26	54.05	53.84	53.72	53.59	53.45	53.50	53.51	53.42	53.38	53.43	53.54	53.61	53.64	53.70	53.78	53.86	53.95	54.04	
7 _{BL}	WRP1a-BL 7a _{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 8a _{BL}	Raw Water Imported (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		
9 _{BL}	Input	Raw Water Losses and Operational Use	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		
10 _{BL}	WRP1a-BL 10a _{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	1.75	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96		
12 _{BL}	WRP1a-BL 12a _{BL}	Potable Water Exported	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		
13 _{BL}	WRP1a-BL 13a _{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	58.25	55.28	54.74	54.33	53.98	53.67	53.34	52.98	52.69	52.47	52.30	52.09	51.88	51.76	51.63	51.49	51.54	51.55	51.46	51.42	51.47	51.58	51.65	51.68	51.74	51.82	51.90	51.99	52.08	
15 _{BL}	Input	Distribution Losses	MI/d	4.38	7.94	8.20	8.20	8.20	8.20	8.20	8.18	8.18	8.19	8.21	8.20	8.19	8.19	8.19	8.18	8.17	8.16	8.12	8.08	8.06	8.06	8.05	8.02	8.00	7.98	7.97	7.96	7.95	
16 _{BL}	Input	Distribution System Operational Use	MI/d	0.18	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
17 _{BL}	14 _{BL} -15 _{BL} -16 _{BL}	Water Delivered	MI/d	53.69	47.21	46.40	46.00	45.65	45.33	45.01	44.66	44.38	44.15	43.96	43.76	43.56	43.43	43.31	43.18	43.23	43.26	43.21	43.21	43.28	43.39	43.47	43.53	43.61	43.71	43.80	43.89	44.00	
POTABLE WATER CUSTOMER USE BASELINE																																	
18 _{BL}	Input	Unmeasured Household - Population	000's	81.614	103.781	98.770	94.494	89.530	84.789	80.245	75.858	71.752	68.220	64.961	61.775	58.709	55.897	53.249	50.668	50.586	50.484	50.211	49.985	49.882	49.853	49.746	49.596	49.495	49.421	49.340	49.255	49.179	
19 _{BL}	Input	Unmeasured Household - Properties	000's	35.030	39.493	38.148	36.677	34.920	33.233	31.627	30.090	28.613	27.302	26.067	24.897	23.783	22.718	21.698	20.719	20.719	20.719	20.719	20.719	20.719	20.719	20.719	20.719	20.719	20.719	20.719	20.719	20.719	
20 _{BL}	18 _{BL} /19 _{BL}	Unmeasured Household - Occupancy Rate	h/pr	2.33	2.63	2.59	2.58	2.56	2.55	2.54	2.52	2.51	2.50	2.49	2.48	2.47	2.46	2.45	2.44	2.44	2.44	2.42	2.41	2.41	2.41	2.40	2.39	2.39	2.38	2.38	2.37		
21 _{BL}	WRP6-6.1 _{BL}	Measured Household - Population	000's	75.990	67.177	70.652	74.841	79.615	84.376	89.034	93.485	97.945	102.240	106.519	110.514	114.309	118.197	122.060	125.705	127.177	128.599	129.571	130.648	132.036	133.399	134.548	135.572	136.723	137.946	139.142	140.322	141.525	
22 _{BL}	WRP6-6.2 _{BL}	Measured Household - Properties	000's	37.250	33.140	34.909	36.703	38.736	40.793	42.861	44.905	46.940	48.862	50.757	52.626	54.468	56.280	58.058	59.801	60.568	61.336	62.105	62.874	63.642	64.310	64.977	65.644	66.311	66.979	67.646	68.313	68.981	
23 _{BL}	21 _{BL} /22 _{BL}	Measured Household - Occupancy Rate	h/pr	2.04	2.03	2.02	2.04	2.06	2.07	2.08	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.09	2.08	2.07	2.07	2.07	2.07	2.06	2.06	2.06	2.05	2.05		
24 _{BL}	Input	Unmeasured Non Household - Population	000's	0.298	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321	0.321		
25 _{BL}	Input	Unmeasured Non Household - Properties	000's	0.831	0.854	0.823	0.793	0.765	0.737	0.711	0.685	0.660	0.637	0.614	0.591	0.570	0.550	0.530	0.511	0.492	0.475	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	0.457	
26 _{BL}	Input	Measured Non Household - Population	000's	12.490	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572	3.572		
27 _{BL}	Input	Measured Non Household - Properties	000's	5.613	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800	6.800		
28 _{BL}	18 _{BL} +21 _{BL} +24 _{BL} +26 _{BL}	Total Population	000's	170.392	174.851	173.315	173.228	173.039	173.058	173.171	173.236	173.590	174.353	175.373	176.182	176.911	177.987	179.202	180.266	181.656	182.976	183.675	184.526	185.810	187.146	188.187	189.061	190.110	191.260	192.376	193.470	194.598	
29 _{BL}	Input	Void Households	000's	3.369	4.249	4.475	4.440	4.411	4.411	4.411	4.411	4.411	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386	4.386		
30 _{BL}	Input	Void Non Households	000's	1.059	1.266	1.345	1.390	1.431	1.472	1.513	1.555	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596	1.596		
30.1 _{BL}	22 _{BL} /(22 _{BL} +19 _{BL})	Total Household Metering penetration (excl. voids)	%	52%	46%	48%	50%	53%	55%	58%	60%	62%	64%	66%	68%	70%	71%	73%	74%	75%	75%	75%	75%	76%	76%	76%	76%	76%	77%	77%	77%		
30.2 _{BL}	22 _{BL} /(22 _{BL} +19 _{BL} +29 _{BL})	Total Household Metering penetration (incl. voids)	%	49%	43%	45%	47%	50%	52%	54%	57%	61%	63%	64%	66%	67%	69%	70%	71%	71%	71%	71%	72%	72%	72%	72%	72%	73%	73%	73%	73%		
31 _{BL}	19 _{BL} +22 _{BL} +25 _{BL} +27 _{BL} +29 _{BL} +30 _{BL}	Total Properties	000's	83.152	85.801	86.500	86.803	87.064	87.446	87.923	88.445	89.021	89.583	90.219	90.896	91.603	92.329	93.067	93.81														

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	0.10	0.20	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01	1.11	1.21	1.27	1.30	1.33	1.35	1.38	1.41	1.44	1.47	1.49	1.52	1.55	1.58	1.61	1.64	1.66		
		Climate change	M/d	0.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01	1.11	1.21	1.27	1.30	1.33	1.35	1.38	1.41	1.44	1.47	1.49	1.52	1.55	1.58	1.61	1.64	1.66		
			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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																															
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																															
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	0.00		
		from Northumbrian Water	M/d																															
		from	M/d																															
		from	M/d																															

Company:	Yorkshire Water
Resource Zone Name	East GWZ
Resource Zone Number:	3 of 3
Planning Scenario Name:	Critical period
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	M/d	72.29	87.65	87.55	87.45	87.35	87.25	87.15	87.05	86.95	86.84	86.74	86.64	86.54	86.44	86.38	86.35	86.32	86.30	86.27	86.24	86.21	86.18	86.16	86.13	86.10	86.07	86.04	86.01	85.99	
2 _{FP}	WRP4a-FP 2 _{FP}	Reductions in Deployable Output	M/d	0.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01	1.11	1.21	1.27	1.30	1.33	1.35	1.38	1.41	1.44	1.47	1.49	1.52	1.55	1.58	1.61	1.64	1.66	
3 _{FP}	Input	Outage Allowance	M/d	0.30	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	
4 _{FP}	9 _{FP} +11 _{FP}	Process Losses	M/d	1.75	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	
5 _{FP}	1 _{FP} -(2 _{FP} +3 _{FP} +4 _{FP})	Water Available For Use (own sources)	M/d	70.24	85.42	85.22	85.02	84.82	84.61	84.41	84.21	84.01	83.81	83.61	83.41	83.20	83.00	82.88	82.83	82.77	82.71	82.66	82.60	82.54	82.49	82.43	82.37	82.32	82.26	82.21	82.15	82.09	
RAW WATER FINAL PLANNING																																	
6 _{FP}	Input	Raw Water Abstracted	M/d	60.00	57.24	56.70	56.29	55.94	55.63	55.30	54.94	54.65	54.43	54.26	54.05	53.84	53.72	53.59	53.45	53.50	53.51	53.42	53.38	53.43	53.54	53.61	53.64	53.70	53.78	53.86	53.95	54.04	
7 _{FP}	WRP4a-FP 7 _{FP}	Raw Water Exported	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	0.00	
8 _{FP}	WRP4a-FP 8 _{FP}	Raw Water Imported	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	0.00	
9 _{FP}	Input	Raw Water Losses and Operational Use	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	0.00	
10 _{FP}	WRP4a-FP 10 _{FP}	Non Potable Supplies	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	0.00	
POTABLE WATER TO POINT OF DELIVERY FINAL PLANNING																																	
11 _{FP}	Input	Treatment Works Losses and Operational Use	M/d	1.75	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	
12 _{FP}	WRP4a-FP 12 _{FP}	Potable Water Exported	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	0.00	
13 _{FP}	WRP4a-FP 13 _{FP}	Potable Water Imported	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	0.00	
14 _{FP}	Input	Distribution Input	M/d	58.25	55.28	54.74	54.33	53.98	53.67	53.34	52.98	52.69	52.47	52.30	52.09	51.88	51.76	51.63	51.49	51.54	51.55	51.46	51.42	51.47	51.58	51.65	51.68	51.74	51.82	51.90	51.99	52.08	
15 _{FP}	Input	Distribution Losses	M/d	4.38	7.94	8.20	8.20	8.20	8.20	8.20	8.18	8.18	8.19	8.21	8.20	8.19	8.19	8.19	8.19	8.18	8.17	8.16	8.12	8.08	8.06	8.06	8.05	8.02	8.00	7.98	7.97	7.96	7.95
16 _{FP}	Input	Distribution System Operational Use	M/d	0.18	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
17 _{FP}	14 _{FP} -15 _{FP} -16 _{FP}	Water Delivered	M/d	53.69	47.21	46.40	46.00	45.65	45.33	45.01	44.66	44.38	44.15	43.96	43.76	43.56	43.43	43.31	43.18	43.23	43.26	43.21	43.21	43.28	43.39	43.47	43.53	43.61	43.71	43.80	43.89	44.00	
POTABLE WATER CUSTOMER USE FINAL PLANNING																																	
18 _{FP}	Input	Unmeasured Household - Population	000's	81.61	103.78	98.77	94.49	89.53	84.79	80.24	75.86	71.75	68.22	64.96	61.78	58.71	55.90	53.25	50.67	50.59	50.48	50.21	49.98	49.88	49.85	49.75	49.60	49.49	49.42	49.34	49.25	49.18	
19 _{FP}	Input	Unmeasured Household - Properties	000's	35.03	39.49	38.15	36.68	34.92	33.23	31.63	30.09	28.61	27.30	26.07	24.90	23.78	22.72	21.70	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72	20.72
20 _{FP}	18 _{FP} /19 _{FP}	Unmeasured Household - Occupancy Rate	h/pr	2.33	2.63	2.59	2.58	2.56	2.55	2.54	2.52	2.51	2.50	2.49	2.48	2.47	2.46	2.45	2.44	2.44	2.44	2.42	2.41	2.41	2.41	2.40	2.39	2.39	2.39	2.38	2.38	2.37	
21 _{FP}	WRP6a-6.1 _{FP}	Measured Household - Population	000's	75.990	67.177	70.652	74.841	79.615	84.376	89.034	93.485	97.945	102.240	106.519	110.514	114.309	118.197	122.060	125.705	127.177	128.599	129.571	130.648	132.036	133.399	134.548	135.572	136.723	137.946	139.142	140.322	141.525	
22 _{FP}	WRP6a-6.2 _{FP}	Measured Household - Properties	000's	37.250	33.140	34.909	36.703	38.736	40.793	42.861	44.905	46.940	48.862	50.757	52.626	54.468	56.280	58.058	59.801	60.568	61.336	62.105	62.874	63.642	64.310	64.977	65.644	66.311	66.979	67.646	68.313	68.981	
23 _{FP}	21 _{FP} /22 _{FP}	Measured Household - Occupancy Rate	h/pr	2.04	2.03	2.02	2.04	2.06	2.07	2.08	2.09	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.09	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.06	2.06	2.05	2.05	
24 _{FP}	Input	Unmeasured Non Household - Population	000's	0.30	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	
25 _{FP}	Input	Unmeasured Non Household - Properties	000's	0.83	0.85	0.82	0.79	0.76	0.74	0.71	0.69	0.66	0.64	0.61	0.59	0.57	0.55	0.53	0.51	0.49	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
26 _{FP}	Input	Measured Non Household - Population	000's	12.49	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	
27 _{FP}	Input	Measured Non Household - Properties	000's	5.61	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	
28 _{FP}	18 _{FP} +21 _{FP} +24 _{FP} +26 _{FP}	Total Population	000's	170.392	174.851	173.315	173.228	173.039	173.058	173.171	173.236	173.590	174.353	175.373	176.182	176.911	177.987	179.202	180.266	181.656	182.976	183.675	184.526	185.810	187.146	188.187	189.061	190.110	191.260	192.376	193.470	194.598	
29 _{FP}	Input	Void Households	000's	3.37	4.25	4.47	4.44	4.41	4.41	4.41	4.41	4.41	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	
30 _{FP}	Input	Void Non Households	000's	1.06	1.27	1.35	1.39	1.43	1.47	1.51	1.55	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	
30.1 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP})	Total Household Metering penetration (excl. voids)	%	52%	46%	48%	50%	53%	55%	58%	60%	62%	64%	66%	68%	70%	71%	73%	74%	75%	75%	75%	75%	75%	76%	76%	76%	76%	77%	77%	77%		
30.2 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP} +29 _{FP})	Total Household Metering penetration (incl. voids)	%	49%	43%	45%	47%	50%	52%	54%	57%	59%	61%	63%	64%	66%	67%	69%	70%	71%	71%	71%	71%	72%	72%	72%	72%	73%	73%	73%	73%		
31 _{FP}	19 _{FP} +22 _{FP} +25 _{FP} +27 _{FP} +29 _{FP} +30 _{FP}	Total Properties	000's	83.152	85.801	86.500	86.803	87.064	87.446	87.923	88.445	89.021	89.583	90.219	90.896	91.603	92.329	93.067	93.812	94.561	95.311	96.063	96.831	9									

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	0.10	0.20	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01	1.11	1.21	1.27	1.30	1.33	1.35	1.38	1.41	1.44	1.47	1.49	1.52	1.55	1.58	1.61	1.64	1.66			
		<i>Climate change</i>	MI/d	0.00	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01	1.11	1.21	1.27	1.30	1.33	1.35	1.38	1.41	1.44	1.47	1.49	1.52	1.55	1.58	1.61	1.64	1.66			
			MI/d																																
			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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																																
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																																
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	0.00	0.00		
		<i>from</i>	MI/d																																
		<i>from</i>	MI/d																																
		<i>from</i>	MI/d																																

Company:	<u>Yorkshire Water</u>
Resource Zone Name	<u>East GWZ</u>
Resource Zone Number:	<u>3 of 3</u>
Planning Scenario Name:	<u>Critical period</u>
Chosen Level of Service:	<u>1 in 25</u>

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	75.99	67.18	70.65	74.84	79.62	84.38	89.03	93.48	97.95	102.24	106.52	110.51	114.31	118.20	122.06	125.70	127.18	128.60	129.57	130.65	132.04	133.40	134.55	135.57	136.72	137.95	139.14	140.32	141.53
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	37.25	33.14	34.91	36.70	38.74	40.79	42.86	44.90	46.94	48.86	50.76	52.63	54.47	56.28	58.06	59.80	60.57	61.34	62.10	62.87	63.64	64.31	64.98	65.64	66.31	66.98	67.65	68.31	68.98
6.3 _{BL}	6.1 _{BL} /6.2 _{BL}	Total	Occupancy	h/prop	2.04	2.03	2.02	2.04	2.06	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.09	2.08	2.07	2.07	2.07	2.07	2.06	2.06	2.06	2.05	2.05	
6.5 _{BL}	Input	Meter optants	Population	000's	2.64	2.06	4.78	7.78	11.39	14.88	18.22	21.41	24.50	27.24	29.83	32.29	34.63	36.86	39.01	41.07	41.07	41.07	41.07	41.07	41.07	41.07	41.07	41.07	41.07	41.07	41.07	41.07	41.07
6.6 _{BL}	Input	Meter optants	Properties	000's	1.30	1.02	2.36	3.83	5.59	7.27	8.88	10.42	11.89	13.21	14.44	15.61	16.72	17.79	18.81	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79
6.7 _{BL}	6.5 _{BL} /6.6 _{BL}	Meter optants	Occupancy	h/prop	2.04	2.03	2.03	2.03	2.04	2.05	2.05	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08
6.8 _{BL}	Input	Meter optants	pcc	l/h/d																													
6.9 _{BL}	Input	New properties	Population	000's	1.14	1.39	2.25	2.91	3.48	4.24	5.20	6.26	7.42	8.70	10.08	11.55	13.08	14.65	16.24	17.85	19.46	21.07	22.67	24.27	25.87	27.25	28.63	30.01	31.38	32.76	34.13	35.50	36.87
6.10 _{BL}	Input	New properties	Properties	000's	0.56	0.69	1.11	1.43	1.71	2.08	2.54	3.05	3.61	4.22	4.88	5.58	6.30	7.05	7.81	8.57	9.34	10.11	10.88	11.65	12.41	13.08	13.75	14.42	15.08	15.75	16.42	17.09	17.75
6.11 _{BL}	6.9 _{BL} /6.10 _{BL}	New properties	Occupancy	h/prop	2.04	2.03	2.03	2.03	2.03	2.04	2.05	2.05	2.06	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08
6.12 _{BL}	Input	New properties	pcc	l/h/d																													
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	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																													
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																													
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																													
6.25 _{BL}	Input	Other changes to existing metering	Population	000's	72.21	63.73	63.62	64.15	64.75	65.26	65.62	65.81	66.03	66.30	66.60	66.67	66.60	66.69	66.81	66.79	66.65	66.46	65.83	65.31	65.10	65.08	64.85	64.50	64.27	64.12	63.94	63.75	63.59
6.26 _{BL}	Input	Other changes to existing metering	Properties	000's	35.40	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44	31.44
6.27 _{BL}	6.25 _{BL} /6.26 _{BL}	Other changes to existing metering	Occupancy	h/prop	2.04	2.03	2.02	2.04	2.06	2.08	2.09	2.10	2.11	2.12	2.12	2.12	2.13	2.12	2.12	2.12	2.11	2.09	2.08	2.07	2.07	2.06	2.05	2.04	2.04	2.03	2.03	2.02	
6.28 _{BL}	Input	Other changes to existing metering	pcc	l/h/d																													

Company:	Yorkshire Water
Resource Zone Name	East GWZ
Resource Zone Number:	3 of 3
Planning Scenario Name:	Critical period
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	
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	
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!	
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!	
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!	
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!	
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!	
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!	
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!	
6.28 _{FP}	Input	Other changes to existing metering	pcc	l/h/d																												

Company:	<u>Yorkshire Water</u>
Resource Zone Name	<u>East GWZ</u>
Resource Zone Number:	<u>3</u> of <u>3</u>
Planning Scenario Name:	<u>Critical period</u>
Chosen Level of Service:	<u>1 in 25</u>

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																																	
7.2	Input	Unmeasured bath use	l/h/d																																	
7.3	Input	Unmeasured shower use	l/h/d																																	
7.4	Input	Unmeasured hand basin	l/h/d																																	
7.5	Input	Unmeasured clothes washing	l/h/d																																	
7.6	Input	Unmeasured dish washing	l/h/d																																	
7.7	Input	Unmeasured garden use	l/h/d																																	
7.8	Input	Unmeasured car washing	l/h/d																																	
7.9	Input	Unmeasured miscellaneous use	l/h/d																																	
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
7.20	Input	Measured toilet flushing	l/h/d																																	
7.21	Input	Measured bath use	l/h/d																																	
7.22	Input	Measured shower use	l/h/d																																	
7.23	Input	Measured hand basin	l/h/d																																	
7.24	Input	Measured clothes washing	l/h/d																																	
7.25	Input	Measured dish washing	l/h/d																																	
7.26	Input	Measured garden use	l/h/d																																	
7.27	Input	Measured car washing	l/h/d																																	
7.28	Input	Measured miscellaneous use	l/h/d																																	
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	East GWZ
Resource Zone Number:	3 of 3
Planning Scenario Name:	Critical period
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																															
7.2	Input	Unmeasured bath use	l/h/d																															
7.3	Input	Unmeasured shower use	l/h/d																															
7.4	Input	Unmeasured hand basin	l/h/d																															
7.5	Input	Unmeasured clothes washing	l/h/d																															
7.6	Input	Unmeasured dish washing	l/h/d																															
7.7	Input	Unmeasured garden use	l/h/d																															
7.8	Input	Unmeasured car washing	l/h/d																															
7.9	Input	Unmeasured miscellaneous use	l/h/d																															
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7.20	Input	Measured toilet flushing	l/h/d																															
7.21	Input	Measured bath use	l/h/d																															
7.22	Input	Measured shower use	l/h/d																															
7.23	Input	Measured hand basin	l/h/d																															
7.24	Input	Measured clothes washing	l/h/d																															
7.25	Input	Measured dish washing	l/h/d																															
7.26	Input	Measured garden use	l/h/d																															
7.27	Input	Measured car washing	l/h/d																															
7.28	Input	Measured miscellaneous use	l/h/d																															
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	East GWZ
Resource Zone Number:	3 of 3
Planning Scenario Name:	Critical period
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	M/d																												
8.2	Input	Extraction of metals, minerals and energy producing materials	B5, B6, B7, B8, B9	M/d																												
8.3	Input	Food and drink (manufacture)	C10, C11, C12	M/d																												
8.4	Input	Textile, fur and leather (manufacture)	C13, C14, C15	M/d																												
8.5	Input	Other manufacturing	C16, C26, C27, C31, C32, C33	M/d																												
8.6	Input	Paper (manufacture)	C17, C18	M/d																												
8.7	Input	Fuel refining	C19	M/d																												
8.8	Input	Chemicals, rubbers, plastics and man-made material (manufacture)	C20, C21, C22	M/d																												
8.9	Input	Manufacture of non-metallic minerals	C23	M/d																												
8.10	Input	Manufacture of basic metals, fabricated metal products and	C24, C25, C28, C29	M/d																												
8.11	Input	Transportation and manufacture of transport equipment	C30, H49, H50, H51, H52, H53	M/d																												
8.12	Input	Electricity, gas and water supplies	D35, E36, E37, E38, E39	M/d																												
8.13	Input	Construction	F41, F42, F43	M/d																												
8.14	Input	Wholesale and retail	G45, G46, G47	M/d																												
8.15	Input	Hotels, bars and restaurants	I55, I56	M/d																												
8.16	Input	Other services	J, K, L, M, N, O, R, S, T, U	M/d																												
8.17	Input	Education and Health	P, Q	M/d																												
8.18	Input			M/d																												
8.19	Input			M/d																												
8.20	Input			M/d																												

Company:	<u>Yorkshire Water</u>
Resource Zone Name	<u>East GWZ</u>
Resource Zone Number:	<u>3 of 3</u>
Planning Scenario Name:	<u>Critical period</u>
Chosen Level of Service:	<u>1 in 25</u>

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																														
5 _N	Input	Water Available For Use (own sources)	MI/d																														
RAW WATER NORMAL YEAR																																	
6 _N	Input	Raw Water Abstracted	MI/d																														
7 _N	Input	Raw Water Exported (existing)	MI/d																														
8 _N	Input	Raw Water Imported (existing)	MI/d																														
9 _N	Input	Raw Water Losses and Operational Use	MI/d																														
10 _N	Input	Non Potable Supplies (existing)	MI/d																														
POTABLE WATER TO POINT OF DELIVERY NORMAL YEAR																																	
11 _N	Input	Treatment Works Losses and Operational Use	MI/d																														
12 _N	Input	Potable Water Exported	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	0.00
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	0.00
14 _N	Input	Distribution Input	MI/d																														
15 _N	Input	Distribution Losses	MI/d																														
16 _N	Input	Distribution System Operational Use	MI/d																														
17 _N	14 _N -15 _N -16 _N	Water Delivered	MI/d	0.00																													
POTABLE WATER DELIVERED NORMAL YEAR																																	
32 _N	Input	Water Taken Unbilled	MI/d																														
33 _N	Input	Water Delivered Unmeasured Household	MI/d																														
34 _N	Input	Unmeasured Household - USPL	MI/d																														
35 _N	33 _N -34 _N	Unmeasured Household - Consumption	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	
36 _N	Input	Unmeasured Household - PCC	l/h/d																														
37 _N	Input	Water Delivered Measured Household	MI/d																														
38 _N	Input	Measured Household - USPL	MI/d																														
39 _N	37 _N -38 _N	Measured Household - Consumption	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	
40 _N	Input	Measured Household - PCC	l/h/d																														
41 _N	Input	Water Delivered Unmeasured Non Household	MI/d																														
42 _N	Input	Unmeasured Non Household - USPL	MI/d																														
43 _N	41 _N -42 _N	Unmeasured Non Household - Consumption	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	
44 _N	Input	Water Delivered Measured Non Household	MI/d																														
45 _N	Input	Measured Non Household - USPL	MI/d																														
46 _N	44 _N -45 _N	Measured Non Household - Consumption	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	
47 _N	Input	Void Properties - USPL	MI/d																														
LEAKAGE NORMAL YEAR																																	
48 _N	Input	Total Leakage	MI/d																														
49 _N	Input	Total Leakage	l/pr/d																														
SUPPLY DEMAND BALANCE NORMAL YEAR																																	
50 _N	5 _N +(8 _N +13 _N)-(7 _N +12 _N)-10 _N	Total Water Available For Use	MI/d	0.00																													
51 _N	Input	Available Headroom	MI/d																														
52 _N	Input	Target Headroom	MI/d																														
53 _N	51 _N -52 _N	Supply Demand Balance	MI/d	0.00																													

Company: Yorkshire Water

Resource Zone Name: East GWZ

Resource Zone Number: 3 of 3

Planning Scenario Name: Critical period

Chosen Level of Service: 1 in 25