

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

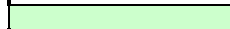
The Guideline and tables are available on the Environment Agency website at www.environment-agency.gov.uk/business/sectors/39687.aspx

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: Thames Water
 Resource Zone Name: Henley
 Resource Zone Number: 4 of 6
 Planning Scenario Name: Dry Year Critical Period
 Chosen Level of Service: Company Preferred Level of Service

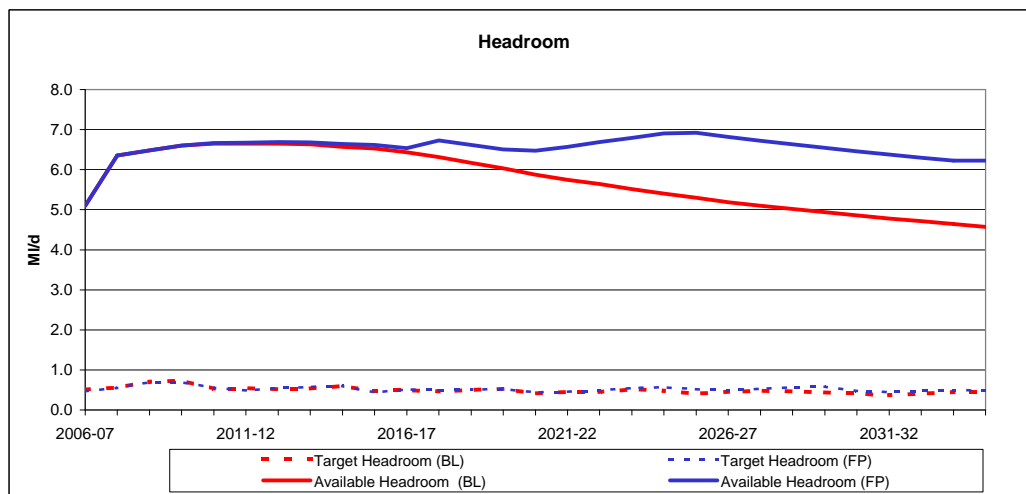
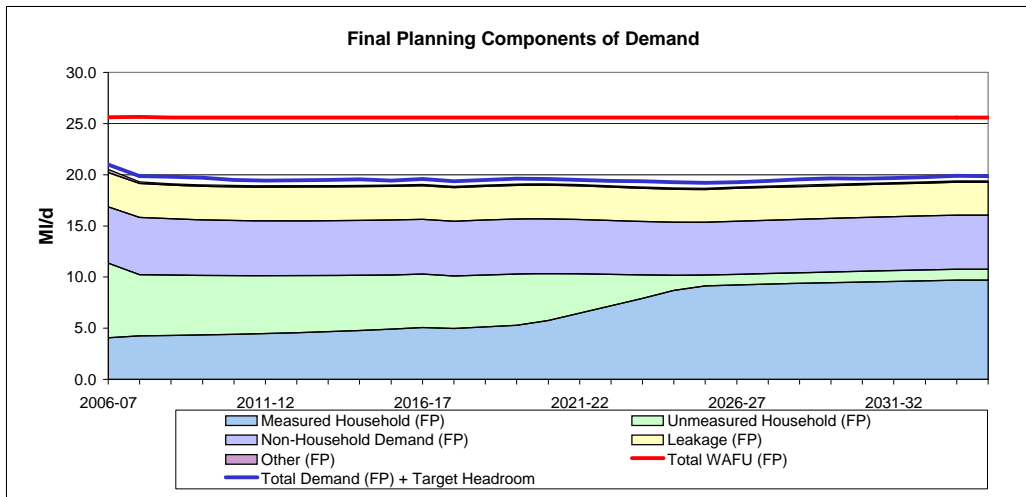
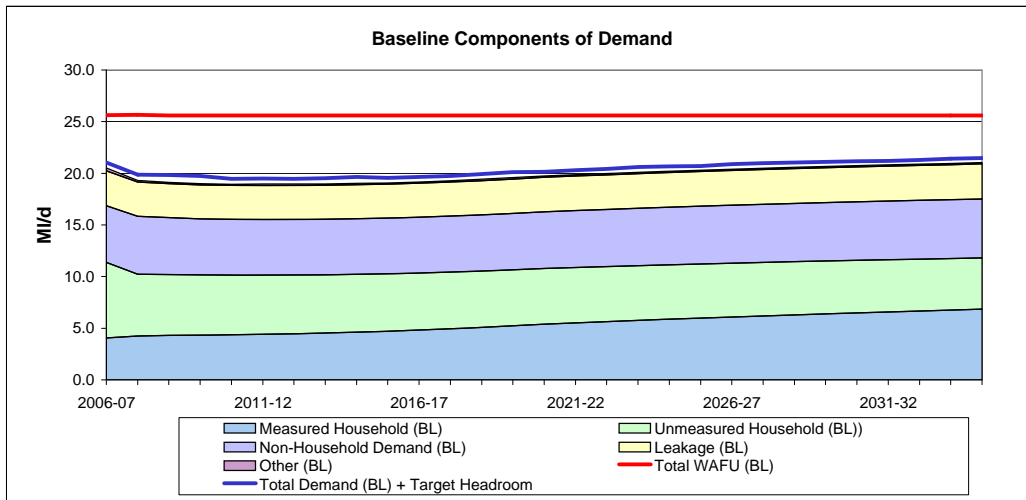
Responsible Officer: Brian Connorton Signed: _____ Dated: _____

Version: **Revised dWRMP**
 * delete as appropriate

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:	<u>Thames Water</u>
Resource Zone Name	<u>Henley</u>
Resource Zone Number:	<u>4 of 6</u>
Planning Scenario Name:	<u>Dry Year Critical Period</u>
Chosen Level of Service:	<u>Company Preferred Level of Service</u>

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		Climate change	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	0.00	0.00		
		Sustainability Reduction	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	0.00	0.00		
		Network Constraints	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	0.00	0.00		
			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	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	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	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	0.00	0.00		
			M/d																																	
			M/d																																	
			M/d																																	
		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	0.00	0.00		
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	0.00	0.00		
			M/d																																	

Company:	Thames Water
Resource Zone Name	Henley
Resource Zone Number:	4 of 6
Planning Scenario Name:	Dry Year Critical Period
Chosen Level of Service:	Company Preferred Level of Service

Table WRP2: Feasible list of water management options

WATER MANAGEMENT OPTION COST AND SOLUTION - TO BE COMPLETED FOR ALL FEASIBLE OPTIONS													
ROW Ref.	DERIVATION	OPTION DESCRIPTION <i>(Insert / delete non-numbered lines to suit)</i>	OPTION REFERENCE No.	WAFU ON FULL IMPLEMENTATION (M/d)	EARLIEST POTENTIAL OPTION START DATE (YEAR)	NPV of WAFU (M)	CAPEX NPV (£000)	OPEX NPV (£000)	NPV of OPEX SAVINGS (£000)	SOCIAL & ENV. NPV (£000)	TOTAL NPV (£000)	AIC (p/M ³)	AISC (p/M ³)
54	Input as appropriate	Customer Side Management, Specify Below....											
		Change of Occupier (Compulsory Current Powers)		1.55	2010/11	7484.69	2099.99	463.96	-280.73	67.08	2631.04	30.51	31.40
		Targetted compulsory metering (New Powers)		1.55	2010/11	7484.69	1425.25	386.64	-280.73	67.08	1878.97	20.46	21.35
		Enhanced water efficiency		10.71	2010/11	38511.57	0.00	57562.69	-1177.98	294.26	57856.95	146.41	147.17
		Optant Metering (Included in Baseline)		0.05	2010/11	292.60	920.55	103.80	-5.32	67.08	1091.44	348.27	371.19
55	Input as appropriate	Distribution Side Management, Specify Below....											
56	Input as appropriate	Production Side Management, Specify Below....											
57	Input as appropriate	Resource Management, Specify Below....											
		Sheeplands Licence Disaggregation	PR09 HEN 01	8.5	2013	66906.48	13433.53	7123.03	0.00	809.34	21365.90	30.72	31.93

Company:	<u>Thames Water</u>
Resource Zone Name	<u>Henley</u>
Resource Zone Number:	<u>4 of 6</u>
Planning Scenario Name:	<u>Dry Year Critical Period</u>
Chosen Level of Service:	<u>Company Preferred Level of Service</u>

Table WRP4-FP: Final planning supply-demand components

ROW Ref.	DERIVATION	DESCRIPTION	UNITS	Scenario	Year																											
				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
BASIC RESOURCES FINAL PLANNING																																
1 _{FP}	Input	Deployable Output	M/d	26.70	26.70	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65	26.65
2 _{FP}	WRP4a-FP 2a _{FP}	Reductions in Deployable Output	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	
3 _{FP}	Input	Outage Allowance	M/d	1.07	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	
4 _{FP}	9 _{FP} +11 _{FP}	Process Losses	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	
5 _{FP}	1 _{FP} +2 _{FP} +3 _{FP} +4 _{FP}	Water Available For Use (own sources)	M/d	25.63	25.65	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	25.60	
RAW WATER FINAL PLANNING																																
6 _{FP}	Input	Raw Water Abstracted	M/d	20.84	20.50	20.04	19.92	19.85	19.84	19.83	19.83	19.88	19.90	19.98	19.78	19.90	20.02	20.05	19.95	19.82	19.72	19.60	19.58	19.69	19.79	19.89	19.98	20.07	20.15	20.23	20.31	19.23
7 _{FP}	WRP4a-FP 7a _{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	
8 _{FP}	WRP4a-FP 8a _{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	
9 _{FP}	Input	Raw Water Losses and Operational Use	M/d	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	
10 _{FP}	WRP4a-FP 10a _{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	
POTABLE WATER TO POINT OF DELIVERY FINAL PLANNING																																
11 _{FP}	Input	Treatment Works Losses and Operational Use	M/d	0.03	0.84	0.83	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.82	0.82	0.83	0.83	0.82	0.82	0.81	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.79
12 _{FP}	WRP4a-FP 12a _{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	
13 _{FP}	WRP4a-FP 13a _{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	20.53	19.30	19.12	19.00	18.94	18.93	18.92	18.92	18.96	18.99	19.06	18.87	18.99	19.10	19.13	19.03	18.91	18.81	18.70	18.68	18.79	18.88	18.97	19.06	19.14	19.22	19.30	19.38	19.38
15 _{FP}	Input	Distribution Losses	M/d	2.42	2.37	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.37	2.34	2.32	2.30	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29
16 _{FP}	Input	Distribution System Operational Use	M/d	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
17 _{FP}	14 _{FP} +15 _{FP} +16 _{FP}	Water Delivered	M/d	18.05	16.89	16.73	16.64	16.54	16.53	16.52	16.52	16.57	16.67	16.48	16.59	16.70	16.73	16.63	16.54	16.45	16.36	16.35	16.46	16.55	16.64	16.73	16.81	16.89	16.97	17.05	17.05	17.05
POTABLE WATER CUSTOMER USE FINAL PLANNING																																
18 _{FP}	Input	Unmeasured Household - Population	000's	26.329	24.796	24.447	24.296	24.083	23.828	23.484	23.127	22.834	22.473	22.171	21.842	21.544	21.221	19.464	16.236	13.003	9.735	6.204	4.333	4.329	4.318	4.312	4.307	4.303	4.298	4.292	4.286	4.286
19 _{FP}	Input	Unmeasured Household - Properties	000's	10.087	9.718	9.592	9.476	9.328	9.149	8.972	8.800	8.631	8.468	8.309	8.152	7.999	7.850	7.706	7.563	7.433	7.307	7.186	7.069	6.956	6.847	6.741	6.638	6.538	6.440	6.344	6.250	6.158
20 _{FP}	18 _{FP} /19 _{FP}	Unmeasured Household - Occupancy Rate	h/yr	2.61	2.55	2.55	2.56	2.58	2.60	2.62	2.63	2.65	2.65	2.67	2.68	2.69	2.70	2.73	2.77	2.84	2.95	3.06	3.11	3.11	3.10	3.10	3.10	3.10	3.09	3.09	3.08	3.08
21 _{FP}	WRP6a-6.1 _{FP}	Measured Household - Population	000's	18.627	20.191	20.605	20.807	21.052	21.488	21.985	22.526	23.147	23.731	24.464	25.250	26.074	26.881	29.135	32.740	38.226	39.812	43.639	45.747	46.017	46.195	46.383	46.546	46.717	46.875	47.017	47.182	47.349
22 _{FP}	WRP6a-6.2 _{FP}	Measured Household - Properties	000's	8.880	9.158	9.365	9.504	9.622	9.803	10.043	10.307	10.581	10.869	11.197	11.560	11.926	12.292	13.226	14.686	16.107	17.521	18.935	19.711	19.847	19.971	20.077	20.171	20.264	20.355	20.444	20.540	20.638
23 _{FP}	21 _{FP} /22 _{FP}	Measured Household - Occupancy Rate	h/yr	2.10	2.20	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.18	2.18	2.19	2.19	2.20	2.23	2.25	2.27	2.30	2.32	2.31	2.31	2.31	2.31	2.31	2.30	2.30	2.29	2.29
24 _{FP}	Input	Unmeasured Non Household - Population	000's	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
25 _{FP}	Input	Unmeasured Non Household - Properties	000's	0.061	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
26 _{FP}	Input	Unmeasured Non Household - Population	000's	2.056	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172	2.172
27 _{FP}	Input	Unmeasured Non Household - Properties	000's	1.242	1.212	1.227	1.242	1.258	1.273	1.288	1.303	1.318	1.334	1.349	1.364	1.379	1.395	1.410	1.425	1.440	1.455	1.471	1.486	1.501	1.516	1.531	1.547	1.562	1.577	1.592	1.608	1.608
28 _{FP}	18 _{FP} +21 _{FP} +24 _{FP} +26 _{FP}	Total Population	000's	47.012	47.159	47.234	47.275	47.306	47.488	47.640	47.825	48.153	48.807	49.789	50.253	50.771	51.147	51.401	51.719	52.015	52.252	52.517	52.684	52.867	53.025	53.192	53.345	53.480	53.600	53.807	53.807	
29 _{FP}	Input	Void Households	000's	0.318	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	
30 _{FP}	Input	Void Non Households	000's	0.135	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	
30.1 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP})	Total Household Metering penetration (excl. voids)	%	47%	49%	49%	50%	51%	52%	53%	54%	55%	56%	57%	59%	60%	61%	65%	72%	78%	84%	90%	93%	93%	93%	94%	94%	94%	94%	94%	94%	
30.2 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP} +29 _{FP})	Total Household Metering penetration (incl. voids)	%	46%	48%	49%	49%	50%	51%	52%	53%	54%	55%	56%	59%	60%	64%	70%	77%	83%	89%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	
31 _{FP}	18 _{FP} +22 _{FP} +25 _{FP} +27 _{FP} +29 _{FP} +30 _{FP}	Total Properties	000's	20.723	20.654	20.780	20.788	20.774	20.792	20.869	20.976	21.096	21.237	21.421	21.643	21.871	22.103	22.338	22.531	22.687	22.840	22.997	23.154	23.306	23.444	23.566	23.678	23.784	23.889	23.994	24.105	24.204
POTABLE WATER DELIVERED FINAL PLANNING																																
32 _{FP}	Input	Water Taken Unbilled	M/d	0.28	0.15	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	
33 _{FP}	Input	Water Delivered Unmeasured Household	M/d	7.99	6.63	6.52	6.46	6.38	6.30	6.19	6.09	6.00	5.90	5.81	5.73	5.65	5.57	5.12	4.29	3.45	2.60	1.68	1.19	1.18	1.18	1.19	1.19	1.19	1.19	1.20	1.20	
34 _{FP}	Input	Unmeasured Household - USPL	M/d	0.68	0.65	0.65	0.64	0.63	0.63	0.62	0.61	0.60	0.60	0.59	0.58	0.57	0.56	0.53	0.47													

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	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		
				Year																															
2a _{FP}	Input as appropriate	Reductions in Final Planning Deployable Output. 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	0.00		
		<i>Climate change</i>	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	0.00		
		<i>Sustainability Reduction</i>	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	0.00		
		<i>Network Constraints</i>	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	0.00		
			M/d																																
			M/d																																
7a _{FP}	Input as appropriate	Final Planning Raw 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	0.00		
		to	M/d																																
		to	M/d																																
		to	M/d																																
8a _{FP}	Input as appropriate	Final Planning Raw 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	0.00		
		from	M/d																																
		from	M/d																																
		from	M/d																																
10a _{FP}	Input as appropriate	Final Planning Non Potable Supplies. 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	0.00		
		to	M/d																																
		to	M/d																																
		to	M/d																																
12a _{FP}	Input as appropriate	Final Planning 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	0.00		
			M/d																																
			M/d																																
			M/d																																
		<i>Baseline Potable Water Imported. Total here and specify below</i>	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	0.00		
			M/d																																
13a _{FP}	Input as appropriate	Final Planning 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	0.00		
			M/d																																
		<i>Thames Water</i>																																	
		<i>Henley</i>																																	
		<i>... 4 ... of ... 6 ...</i>																																	

Company: Thames Water

Resource Zone Name: Henley

Resource Zone Number: 4 of 6

Planning Scenario Name: Dry Year Critical Period

Chosen Level of Service: Company Preferred Level of Service

Table WRP5: Baseline resource zone deployable output reconciliation

Row Ref	Derivation	Licence number	Source name	Source type (GW/SW/Res/Conj. use)	Dry year deployable output (MI/d)	Critical period deployable output (MI/d)	Annual licenced quantity (MI/d)	Constraint	Length of record assessed (Years)	Critical event (Year)
5.1	Input	28/39/23/0008	Greys Road	GW		4.60	4.55	L	1972-1999	
5.2	Input	28/39/23/0010	Harpsden T *	GW		18.00	18.00	Q / L	1985-1997	
5.3	Input	28/39/24/0020	Sheeplands *	GW		4.10	18.18	Q / L	1929-1997	
5.4	Input									
5.5	Input		* Licenced volume or DO aggregated with another source							
5.6	Input		** Aggregated with the source value above it							
5.7	Input									
5.8	Input		L = Licence							
5.9	Input		Q = Quality							
5.10	Input		P = Pump Size or Depth							
5.11	Input		GWL = Low Groundwater Levels							
5.12	Input		B = Borehole depth or restriction							
5.13	Input		T = Treatment							
5.14	Input		RWL = Rest Water Level							
5.15	Input		PWL = Pumping Water Level							
5.16	Sum (5.1:6.40) Total reconciled DO				0.00	26.70	40.73			

Company:	<u>Thames Water</u>
Resource Zone Name	<u>Henley</u>
Resource Zone Number:	<u>4</u> of <u>6</u>
Planning Scenario Name:	<u>Dry Year Critical Period</u>
Chosen Level of Service:	<u>Company Preferred Level</u> of Service

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 _{TL}	6.5 _{TL} +6.9 _{TL} +6.13 _{TL} +6.17 _{TL}	Total	Population	000's	18.63	20.19	20.61	20.81	20.95	21.20	21.50	21.86	22.30	22.72	23.29	23.92	24.59	25.23	25.91	26.46	26.91	27.38	27.85	28.28	28.73	29.11	29.48	29.82	30.17	30.51	30.83	31.18	31.52
6.2 _{TL}	6.6 _{TL} +6.10 _{TL} +6.16 _{TL} +6.18 _{TL} +6.22 _{TL} +6.26 _{TL}	Total	Properties	000's	8.88	9.16	9.39	9.50	9.58	9.68	9.84	10.02	10.23	10.45	10.71	11.01	11.32	11.64	11.95	12.23	12.46	12.70	12.93	13.17	13.40	13.62	13.83	14.02	14.21	14.39	14.58	14.77	14.96
6.3 _{TL}	6.1 _{TL} /6.2 _{TL}	Total	Occupancy	h/prop	2.10	2.20	2.19	2.19	2.19	2.19	2.19	2.18	2.18	2.17	2.17	2.17	2.17	2.17	2.17	2.16	2.16	2.16	2.15	2.15	2.14	2.14	2.13	2.13	2.12	2.12	2.12	2.11	2.11
6.5 _{TL}	Input	Meter optants	Population	000's		0.16	0.35	0.52	0.68	0.83	0.99	1.15	1.30	1.46	1.61	1.77	1.92	2.08	2.23	2.38	2.54	2.69	2.84	3.00	3.15	3.31	3.46	3.62	3.77	3.93	4.08	4.23	
6.6 _{TL}	Input	Meter optants	Properties	000's		0.10	0.22	0.32	0.42	0.51	0.61	0.71	0.80	0.90	0.99	1.09	1.19	1.28	1.38	1.47	1.57	1.67	1.76	1.86	1.95	2.05	2.15	2.24	2.34	2.43	2.53	2.63	
6.7 _{TL}	6.5 _{TL} /6.6 _{TL}	Meter optants	Occupancy	h/prop	#DIV/0!	#DIV/0!	1.61	1.61	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
6.8 _{TL}	Input	Meter optants	pcc	h/nd		139.91	139.78	139.44	139.18	138.97	138.99	138.99	139.23	139.35	139.76	140.26	140.83	141.54	142.31	143.32	144.30	145.29	146.27	147.30	148.46	149.62	150.69	151.64	152.54	153.41	154.26	155.20	
6.9 _{TL}	Input	New properties	Population	000's		0.32	0.31	0.24	0.24	0.39	0.61	0.86	1.15	1.55	2.04	2.55	3.06	3.58	3.99	4.32	4.65	4.98	5.30	5.61	5.89	6.13	6.34	6.56	6.76	6.96	7.17	7.39	
6.10 _{TL}	Input	New properties	Properties	000's		0.14	0.13	0.10	0.10	0.16	0.26	0.36	0.49	0.66	0.86	1.08	1.29	1.51	1.69	1.83	1.97	2.11	2.25	2.39	2.51	2.62	2.71	2.81	2.90	2.98	3.08	3.18	
6.11 _{TL}	6.9 _{TL} /6.10 _{TL}	New properties	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.35	2.36	2.36	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.36	2.36	2.36	2.36	2.35	2.35	2.34	2.34	2.33	2.33	2.33	2.33	2.33	
6.12 _{TL}	Input	New properties	pcc	h/nd		144.98	144.68	144.93	144.58	141.48	138.86	136.68	134.81	133.36	132.63	132.35	132.34	132.57	133.00	133.75	134.48	135.21	135.98	136.82	137.80	138.81	139.76	140.58	141.35	142.09	142.78	143.47	
6.13 _{TL}	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	
6.14 _{TL}	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	
6.15 _{TL}	6.13 _{TL} /6.14 _{TL}	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!	
6.16 _{TL}	Input	Metering on change of occupancy	pcc	h/nd		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 _{TL}	Input	Selective metering	Population	000's	0.00																												
6.18 _{TL}	Input	Selective metering	Properties	000's	0.00																												
6.19 _{TL}	6.17 _{TL} /6.18 _{TL}	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 _{TL}	Input	Selective metering	pcc	h/nd																													
6.21 _{TL}	Input	Compulsory metering	Population	000's																													
6.22 _{TL}	Input	Compulsory metering	Properties	000's																													
6.23 _{TL}	6.21 _{TL} /6.22 _{TL}	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 _{TL}	Input	Compulsory metering	pcc	h/nd																													
6.25 _{TL}	Input	Existing Metering	Population	000's	18.63	20.19	20.12	20.15	20.20	20.28	20.28	20.26	20.30	20.27	20.28	20.27	20.27	20.25	20.25	20.24	20.20	20.20	20.18	20.14	20.12	20.07	20.04	20.02	20.00	19.97	19.95	19.92	19.90
6.26 _{TL}	Input	Existing Metering	Properties	000's	8.88	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16
6.27 _{TL}	6.25 _{TL} /6.26 _{TL}	Existing Metering	Occupancy	h/prop	2.10	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.22	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.20	2.19	2.19	2.19	2.18	2.18	2.18	2.18	
6.28 _{TL}	Input	Existing Metering	pcc	h/nd	0.00	152.25	152.03	151.62	151.23	150.91	150.82	150.88	150.97	151.28	151.66	152.36	153.14	154.06	155.03	156.06	157.13	158.11	159.13	160.21	161.19	162.20	163.04	163.80	164.46	165.05	165.59	166.03	166.36

Company:	Thames Water
Resource Zone Name:	Henley
Resource Zone Number:	4 of 6
Planning Scenario Name:	Dry Year Critical Period
Chosen Level of Service:	Company Preferred Level of Service

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 _{pp}	6.5 _{pp} +6.9 _{pp} +6.13 _{pp} +6.17 _{pp} +6.21 _{pp} +6.25 _{pp}	Total	Population	000's	18.63	20.19	20.61	20.81	21.05	21.49	21.98	22.53	23.15	23.73	24.46	25.25	26.07	26.86	29.14	32.74	36.23	39.81	43.64	45.75	46.02	46.19	46.38	46.55	46.72	46.88	47.02	47.18	47.35
6.2 _{pp}	6.6 _{pp} +6.10 _{pp} +6.14 _{pp} +6.18 _{pp} +6.22 _{pp} +6.26 _{pp}	Total	Properties	000's	8.88	9.16	9.39	9.50	9.62	9.80	10.04	10.31	10.58	10.87	11.20	11.56	11.93	12.29	13.23	14.69	16.11	17.52	18.93	19.71	19.85	19.97	20.08	20.17	20.26	20.35	20.44	20.54	20.64
6.3 _{pp}	6.1 _{pp} +6.2 _{pp}	Total	Occupancy	h/prop	2.10	2.20	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.18	2.18	2.18	2.19	2.19	2.20	2.23	2.25	2.27	2.30	2.32	2.32	2.31	2.31	2.31	2.30	2.30	2.30	2.29	
6.5 _{pp}	Input	Meter optants	Population	000's		0.16	0.35	0.54	0.73	0.91	1.09	1.26	1.42	1.58	1.73	1.88	2.02	2.15	2.28	2.41	2.54	2.69	2.78	2.78	2.77	2.77	2.76	2.76	2.76	2.75	2.75	2.75	
6.6 _{pp}	Input	Meter optants	Properties	000's		0.10	0.22	0.33	0.45	0.56	0.67	0.78	0.88	0.98	1.07	1.16	1.25	1.33	1.41	1.49	1.57	1.64	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
6.7 _{pp}	6.5 _{pp} +6.6 _{pp}	Meter optants	Occupancy	h/prop	#DIV/0!	#DIV/0!	1.61	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.64	1.66	1.66	1.65	1.65	1.65	1.64	1.64	1.64	1.64	1.64
6.8 _{pp}	Input	Meter optants	pcc	h/nd		139.91	139.78	139.30	139.08	138.91	138.93	138.92	139.13	139.21	132.58	132.95	133.36	133.83	134.28	134.91	135.46	135.44	135.57	136.58	137.72	138.85	139.90	140.84	141.73	142.61	143.47	144.36	
6.9 _{pp}	Input	New properties	Population	000's		0.32	0.31	0.24	0.24	0.39	0.61	0.86	1.15	1.55	2.04	2.55	3.06	3.58	4.00	4.32	4.65	4.97	5.28	5.60	5.87	6.11	6.32	6.54	6.74	6.94	7.15	7.37	
6.10 _{pp}	Input	New properties	Properties	000's		0.14	0.13	0.10	0.10	0.16	0.26	0.36	0.49	0.66	0.86	1.08	1.29	1.51	1.69	1.83	1.97	2.11	2.25	2.39	2.51	2.62	2.71	2.81	2.90	2.98	3.08	3.18	
6.11 _{pp}	6.9 _{pp} +6.10 _{pp}	New properties	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.35	2.36	2.36	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.36	2.36	2.36	2.36	2.34	2.34	2.33	2.33	2.32	2.32	2.32	2.32	
6.12 _{pp}	Input	New properties	pcc	h/nd		144.98	144.68	144.74	144.42	141.42	138.84	136.68	134.82	133.37	125.98	125.65	125.56	125.63	125.62	126.29	126.72	127.12	127.75	128.52	129.42	130.33	131.19	131.92	132.61	133.27	133.90	134.54	
6.13 _{pp}	Input	Metering on change off 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	
6.14 _{pp}	Input	Metering on change off 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	
6.15 _{pp}	6.13 _{pp} +6.14 _{pp}	Metering on change off occupancy	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.16 _{pp}	Input	Metering on change off occupancy	pcc	h/nd		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 _{pp}	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	
6.18 _{pp}	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	
6.19 _{pp}	6.17 _{pp} +6.18 _{pp}	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 _{pp}	Input	Selective metering	pcc	h/nd																													
6.21 _{pp}	Input	Compulsory metering	Population	000's			0.08	0.24	0.40	0.56	0.73	0.89	1.05	1.21	1.37	1.53	1.70	1.87	2.04	2.21	2.38	2.56	2.74	2.92	3.10	3.28	3.46	3.64	3.82	4.00	4.18	4.36	
6.22 _{pp}	Input	Compulsory metering	Properties	000's			0.03	0.09	0.16	0.22	0.28	0.35	0.41	0.47	0.53	0.60	0.67	0.73	0.80	0.87	0.94	1.01	1.08	1.15	1.22	1.29	1.36	1.43	1.50	1.57	1.64	1.71	
6.23 _{pp}	6.21 _{pp} +6.22 _{pp}	Compulsory metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.56	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.56	2.56	2.56	2.56	2.55	2.55	2.55	2.54	2.54	2.54	2.53	2.53	2.53	
6.24 _{pp}	Input	Compulsory metering	pcc	h/nd			147.94	147.49	147.16	146.86	146.57	146.37	146.18	138.89	138.96	139.10	138.93	138.62	138.60	138.60	138.82	141.23	140.83	141.35	141.90	142.46	143.02	143.59	144.17	144.77	145.37		
6.25 _{pp}	Input	Existing Metering	Population	000's	18.63	20.19	20.12	20.15	20.20	20.28	20.28	20.26	20.30	20.27	20.28	20.27	20.28	20.25	20.26	20.24	20.20	20.22	20.15	20.08	20.05	20.01	19.98	19.96	19.94	19.91	19.89	19.86	19.84
6.26 _{pp}	Input	Existing Metering	Properties	000's	8.88	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	9.16	
6.27 _{pp}	6.25 _{pp} +6.26 _{pp}	Existing Metering	Occupancy	h/prop	2.10	2.20	2.20	2.20	2.21	2.21	2.21	2.22	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.20	2.19	2.18	2.18	2.18	2.18	2.17	2.17	2.17	2.17	
6.28 _{pp}	Input	Existing Metering	pcc	h/nd	0.00	152.25	152.03	151.62	151.10	150.85	150.88	151.02	151.17	151.55	151.96	145.04	145.74	146.54	147.64	149.18	150.83	152.27	152.58	152.80	154.56	155.77	156.68	157.50	158.20	158.85	159.50	160.04	160.52

Company: Thames Water

Resource Zone Name: Henley

Resource Zone Number: 4 of 6

Planning Scenario Name: Dry Year Critical Period

Chosen Level of Service: Company Preferred Level of Service

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	Unmeasured wastage	l/h/d																														
7.11	Input	Unmeasured water efficiency	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		
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	Measured wastage	l/h/d																														
7.30	Input	Measured water efficiency	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		

Company:	Thames Water
Resource Zone Name	Henley
Resource Zone Number:	4 of 6
Planning Scenario Name:	Dry Year Critical Period
Chosen Level of Service:	Company Preferred Level of Service

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	Measured wastage	l/h/d																																	
7.11	Input	Measured water efficiency	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	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	Measured wastage	l/h/d																																	
7.30	Input	Measured water efficiency	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	0.00		

Company:	Thames Water
Resource Zone Name	Henley
Resource Zone Number:	4 of 6
Planning Scenario Name:	Dry Year Critical Period
Chosen Level of Service:	Company Preferred Level of Service

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	M/G																																	
5 _n	Input	Water Available For Use (own sources)	M/G																																	
RAW WATER NORMAL YEAR																																				
6 _n	Input	Raw Water Abstracted	M/G																																	
7 _n	Input	Raw Water Exported (existing)	M/G																																	
8 _n	Input	Raw Water Imported (existing)	M/G																																	
9 _n	Input	Raw Water Losses and Operational Use	M/G																																	
10 _n	Input	Non Potable Supplies (existing)	M/G																																	
POTABLE WATER TO POINT OF DELIVERY NORMAL YEAR																																				
11 _n	Input	Treatment Works Losses and Operational Use	M/G																																	
12 _n	Input	Potable Water Exported	M/G																																	
13 _n	Input	Potable Water Imported	M/G																																	
14 _n	Input	Distribution Input	M/G																																	
15 _n	Input	Distribution Losses	M/G																																	
16 _n	Input	Distribution System Operational Use	M/G																																	
17 _n		14 _n -15 _n -16 _n Water Delivered	M/G	0.00																																
POTABLE WATER DELIVERED NORMAL YEAR																																				
32 _n	Input	Water Taken Unbilled	M/G																																	
33 _n	Input	Water Delivered Unmeasured Household	M/G																																	
34 _n	Input	Unmeasured Household - USPL	M/G																																	
35 _n		33 _n -34 _n Unmeasured Household - Consumption	M/G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	M/G																																	
38 _n	Input	Measured Household - USPL	M/G																																	
39 _n		37 _n -38 _n Measured Household - Consumption	M/G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	M/G																																	
42 _n	Input	Unmeasured Non Household - USPL	M/G																																	
43 _n		41 _n -42 _n Unmeasured Non Household - Consumption	M/G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	M/G																																	
45 _n	Input	Measured Non Household - USPL	M/G																																	
46 _n		44 _n -45 _n Measured Non Household - Consumption	M/G	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	M/G																																	
LEAKAGE NORMAL YEAR																																				
48 _n	Input	Total Leakage	M/G																																	
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	M/G	0.00																																
51 _n	Input	Available Headroom	M/G																																	
52 _n	Input	Target Headroom	M/G																																	
53 _n		51 _n -52 _n Supply Demand Balance	M/G	0.00																																

Company:	Thames Water
Resource Zone Name	Henley
Resource Zone Number:	4 of 6
Planning Scenario Name:	Dry Year Critical Period
Chosen Level of Service:	Company Preferred Level of Service