

## 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](http://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](mailto: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: SWOX  
Resource Zone Number: 2 of 6  
Planning Scenario Name: Dry Year Critical Period  
Chosen Level of Service: Company Preferred Level of Service

Responsible Officer: David Spiller Signed: \_\_\_\_\_ Dated: 05/12/2011

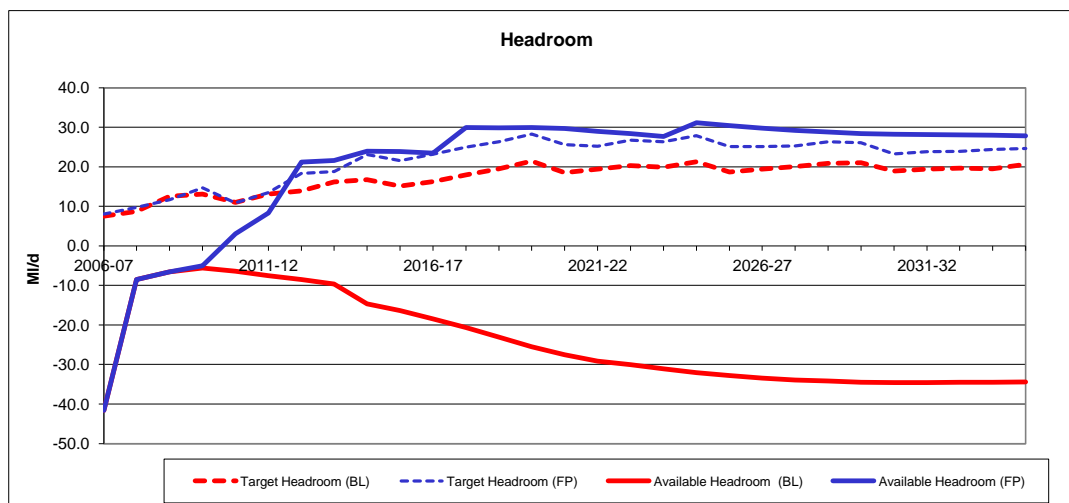
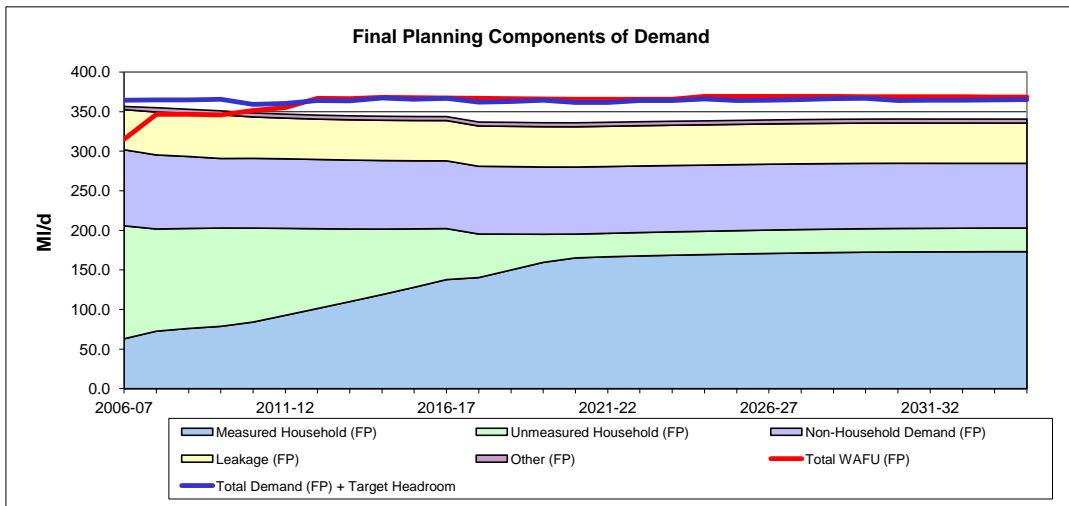
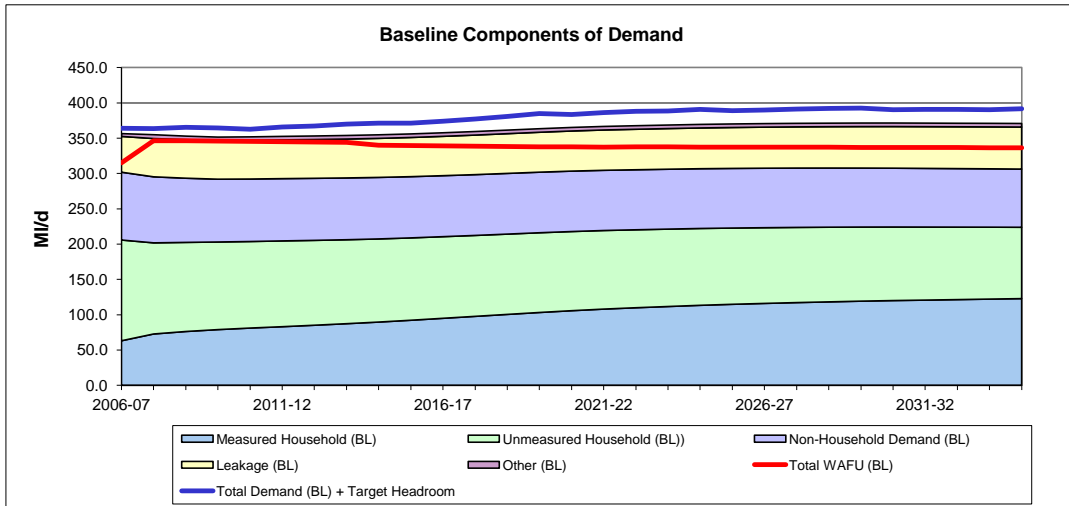
Version: Draft Final WRMP

\* delete as appropriate

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Summary graphs of WRP tables input data



Company:	Thames Water
Resource Zone Name:	SWOX
Resource Zone Number:	2 of 6
Planning Scenario Name:	Dry Year Critical Period
Chosen Level of Service:	Company Preferred Level of Service

**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	
<b>BASIC RESOURCES BASELINE</b>																																	
1 <sub>BL</sub>	Input	Deployable Output (Specify individual Source Yields on Table WRP6)	M/d	341.48	361.71	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12	362.12
2 <sub>BL</sub>	WRP1a-BL 2 <sub>BL</sub>	Reductions in Deployable Output	M/d	20.96	9.61	10.06	10.50	10.98	11.40	11.85	12.30	16.35	16.81	17.25	17.70	18.14	18.57	18.84	18.94	18.82	18.93	19.02	19.11	19.22	19.31	19.39	19.50	19.59	19.70	19.80	19.92	20.05	
3 <sub>BL</sub>	Input	Outage Allowance	M/d	10.61	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62
4 <sub>BL</sub>	9 <sub>BL</sub> +11 <sub>BL</sub>	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	0.00	
5 <sub>BL</sub>	1 <sub>BL</sub> -(2 <sub>BL</sub> +3 <sub>BL</sub> +4 <sub>BL</sub> )	Water Available For Use (own sources)	M/d	309.92	341.48	341.44	340.99	340.52	340.10	339.64	339.20	335.14	334.68	334.25	333.80	333.36	332.92	332.66	332.56	332.68	332.57	332.48	332.39	332.28	332.19	332.11	331.99	331.90	331.80	331.70	331.57	331.45	
<b>RAW WATER BASELINE</b>																																	
6 <sub>BL</sub>	Input	Raw Water Abstracted	M/d	372.69	364.75	362.69	361.21	361.59	362.30	362.87	363.61	364.59	365.89	367.60	369.43	371.52	373.60	375.45	376.95	378.03	379.03	379.97	380.63	381.16	381.55	381.79	381.95	381.99	381.83	381.67	381.52	381.32	
7 <sub>BL</sub>	WRP1a-BL 7 <sub>BL</sub>	Raw Water Exported (existing)	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 <sub>BL</sub>	WRP1a-BL 8 <sub>BL</sub>	Raw Water Imported (existing)	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
9 <sub>BL</sub>	Input	Raw Water Losses and Operational Use	M/d	2.11	1.48	1.47	1.46	1.47	1.47	1.47	1.47	1.48	1.48	1.49	1.50	1.51	1.51	1.52	1.53	1.53	1.54	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	
10 <sub>BL</sub>	WRP1a-BL 10 <sub>BL</sub>	Non Potable Supplies (existing)	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
<b>POTABLE WATER TO POINT OF DELIVERY BASELINE</b>																																	
11 <sub>BL</sub>	Input	Treatment Works Losses and Operational Use	M/d	18.95	13.31	13.23	13.18	13.19	13.22	13.24	13.27	13.30	13.35	13.41	13.48	13.56	13.63	13.70	13.75	13.79	13.83	13.86	13.89	13.91	13.92	13.93	13.94	13.94	13.93	13.93	13.92	13.91	
12 <sub>BL</sub>	WRP1a-BL 12 <sub>BL</sub>	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 <sub>BL</sub>	WRP1a-BL 13 <sub>BL</sub>	Potable Water Imported	M/d	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
14 <sub>BL</sub>	Input	Distribution Input	M/d	356.64	354.96	352.98	351.56	351.93	352.61	353.16	353.86	354.81	356.06	357.69	359.45	361.45	363.45	365.23	366.67	367.70	368.66	369.56	370.20	370.70	371.08	371.31	371.47	371.50	371.35	371.19	371.05	370.86	
15 <sub>BL</sub>	Input	Distribution Losses	M/d	36.31	38.80	39.06	39.53	39.22	39.19	39.22	39.28	39.34	39.44	39.58	39.90	40.36	40.34	40.76	41.16	41.53	41.90	42.13	42.22	42.30	42.37	42.46	42.55	42.61	42.61	42.62	42.72	42.80	
16 <sub>BL</sub>	Input	Distribution System Operational Use	M/d	0.48	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
17 <sub>BL</sub>	14 <sub>BL</sub> -15 <sub>BL</sub> -16 <sub>BL</sub>	Water Delivered	M/d	319.75	315.42	313.18	311.78	312.02	312.68	313.20	313.84	314.73	315.88	317.37	318.96	320.80	322.65	324.14	325.16	325.80	326.38	326.92	327.32	327.73	328.04	328.20	328.26	328.21	328.00	327.79	327.59	327.32	
<b>POTABLE WATER CUSTOMER USE BASELINE</b>																																	
18 <sub>BL</sub>	Input	Unmeasured Household - Population	000's	565.870	520.140	512.556	505.638	500.872	497.820	493.488	488.928	484.756	480.789	477.043	472.625	468.782	465.093	461.048	456.935	452.735	448.063	443.906	439.467	435.192	431.078	426.689	422.170	417.851	413.513	409.077	404.579	400.021	
19 <sub>BL</sub>	Input	Unmeasured Household - Properties	000's	201.265	196.905	193.938	190.761	188.198	186.250	184.302	182.354	180.406	178.510	176.512	174.562	172.614	170.666	168.718	166.770	164.822	162.874	160.926	158.978	157.030	155.082	153.134	151.186	149.238	147.290	145.342	143.394	141.446	
20 <sub>BL</sub>	18 <sub>BL</sub> /19 <sub>BL</sub>	Unmeasured Household - Occupancy Rate	h/pt	2.81	2.64	2.64	2.65	2.66	2.67	2.68	2.68	2.69	2.70	2.71	2.72	2.73	2.73	2.74	2.74	2.75	2.76	2.77	2.78	2.79	2.80	2.81	2.81	2.81	2.81	2.81	2.81	2.81	
21 <sub>BL</sub>	WRP6-6.1 <sub>BL</sub>	Measured Household - Population	000's	325.093	374.833	390.543	404.126	415.792	426.271	437.213	448.936	461.873	476.460	492.623	508.376	524.758	541.278	557.363	573.238	588.943	604.397	619.732	634.949	649.947	664.732	679.309	693.686	707.864	721.842	735.619	749.296	762.873	
22 <sub>BL</sub>	WRP6-6.2 <sub>BL</sub>	Measured Household - Properties	000's	154.329	169.383	177.071	184.063	189.927	195.095	200.940	207.251	213.965	221.338	229.323	237.471	245.669	253.885	262.127	269.881	276.943	283.837	290.739	297.421	303.783	309.930	315.858	321.564	327.049	332.314	337.360	342.187	346.796	351.187
23 <sub>BL</sub>	21 <sub>BL</sub> /22 <sub>BL</sub>	Measured Household - Occupancy Rate	h/pt	2.11	2.21	2.21	2.20	2.19	2.18	2.18	2.17	2.16	2.15	2.15	2.14	2.14	2.13	2.13	2.12	2.11	2.11	2.10	2.09	2.09	2.08	2.08	2.07	2.07	2.07	2.07	2.07		
24 <sub>BL</sub>	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	0.000	
25 <sub>BL</sub>	Input	Unmeasured Non Household - Properties	000's	0.935	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
26 <sub>BL</sub>	Input	Measured Non Household - Population	000's	56.100	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553
27 <sub>BL</sub>	Input	Measured Non Household - Properties	000's	34.810	28.861	27.154	27.447	27.739	28.032	28.325	28.618	28.911	29.204	29.496	29.789	30.082	30.375	30.668	30.960	31.253	31.546	31.839	32.132	32.424	32.717	33.010	33.303	33.596	33.889	34.181	34.474	34.767	
28 <sub>BL</sub>	18 <sub>BL</sub> +21 <sub>BL</sub> +24 <sub>BL</sub> +25 <sub>BL</sub>	Total Population	000's	947.063	853.526	861.651	868.316	875.217	882.644	890.264	898.417	907.182	916.502	926.338	936.633	947.446	958.721	970.514	982.776	1005.182	1015.802	1026.819	1038.254	1050.139	1062.495	1075.351	1088.728	1102.646	1117.125	1132.185	1147.847	1164.122	1181.031
29 <sub>BL</sub>	Input	Void Households	000's	13.193	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323	9.323
30 <sub>BL</sub>	Input	Void Non Households	000's	2.843	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376	2.376
30.1 <sub>BL</sub>	22 <sub>BL</sub> /(22 <sub>BL</sub> +19 <sub>BL</sub> )	Total Household Metering penetration (excl. voids)	%	43%	46%	48%	49%	50%	51%	52%	53%	54%	55%	57%	58%	59%	60%	61%	6														

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 <sub>BL</sub>	Input as appropriate	Reductions in Baseline Deployable Output. Total here and specify below	M/d	20.96	9.61	10.06	10.50	10.98	11.40	11.85	12.30	16.35	16.81	17.25	17.70	18.14	18.57	18.84	18.94	18.82	18.93	19.02	19.11	19.22	19.31	19.39	19.50	19.59	19.70	19.80	19.92	20.05		
		Climate change	M/d	0.00	0.00	0.45	0.91	1.36	1.81	2.26	2.72	3.17	3.62	4.07	4.53	4.98	5.43	5.70	5.83	5.96	6.08	6.21	6.34	6.46	6.59	6.72	6.84	6.97	7.10	7.22	7.35	7.48		
		Sustainability Reduction	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60			
		Network Constraints	M/d	20.96	9.61	9.60	9.60	9.62	9.59	9.59	9.58	9.59	9.59	9.58	9.57	9.56	9.54	9.53	9.51	9.26	9.24	9.21	9.17	9.15	9.12	9.07	9.06	9.02	9.00	8.97	8.97	8.97		
			M/d																															
			M/d																															
7a <sub>BL</sub>	Input as appropriate	Baseline Raw Water Exported (existing). Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
		to	M/d																															
		to	M/d																															
		to	M/d																															
8a <sub>BL</sub>	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			
		from	M/d																															
		from	M/d																															
		from	M/d																															
10a <sub>BL</sub>	Input as appropriate	Baseline Non Potable Supplies (existing). Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
		to	M/d																															
		to	M/d																															
		to	M/d																															
12a <sub>BL</sub>	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 Wessex (Ext)	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 Severn Trent Water Co (Ext)	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																															
13a <sub>BL</sub>	Input as appropriate	Baseline Potable Water Imported. Total here and specify below	M/d	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
		From SWA (Ashendon to Horspath) to North Oxfordshi	M/d	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
		From SWA, Radnage to Bledlow Ridge (To S Oxon)	M/d	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
		From SWA, Stokenchurch to Chinnor (To S Oxon)	M/d	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	
		from	M/d																															
		from	M/d																															

Company: Thames Water

Resource Zone Name: SWOX

Resource Zone Number: 2 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

ROW Ref	DERIVATION	OPTION DESCRIPTION <i>(Insert /delete non-numbered lines to suit)</i>	OPTION REFERENCE No.	WATER MANAGEMENT OPTION COST AND SOLUTION - TO BE COMPLETED FOR ALL FEASIBLE OPTIONS													
				WAFU ON FULL IMPLEMENTATION (Mld)	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 (m³)	AISC (m³)				
54	Input as appropriate	Customer Side Management. Specify Below.....															
		Change of Occupier (Compulsory Current Powers)		22.25	2010/11	124967.05	49549.33	12482.36	-4570.99	2525.10	64556.79	45.98	48.00				
		Tagged compulsory metering (New Powers)		22.25	2010/11	124967.05	33081.99	10401.96	-4570.99	2525.10	46009.06	31.14	33.16				
		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)		0.68	2010/11	4447.41	14039.93	1660.21	-85.54	7547.26	23247.40	351.09	520.79				
55	Input as appropriate	Distribution Side Management. Specify Below.....															
		Leakage scheme (A/C leakage projects)		6.71	2010/11	35432.58	1637.12	9781.14	-3995.32	-1555.86	9862.40	20.95	16.56				
56	Input as appropriate	Production Side Management. Specify Below.....															
57	Input as appropriate	Resource Management. Specify Below.....															
		Goring Gap 1 (Licence transfer)	PR09 SWOX 01	4.5	2010	35421.08	2360.97	5547.80	0.00	351.02	8259.79	22.33	22.86				
		Goring Gap 3	PR09 SWOX 02	10	2012	78713.51	7459.56	12606.15	0.00	552.56	20618.26	25.49	26.16				
		ASR - Clicklade Option 2 (Latter)	PR09 SWOX 03	9.5	2017	74777.83	25794.30	2969.32	0.00	613.97	29377.59	38.47	39.01				
		Lambourn Down	PR09 SWOX 04	0.84	2011	7399.07	466.18	1590.80	0.00	74.91	2131.89	27.80	28.81				
		ASR - Clicklade Option 1 (Buradon)	PR09 SWOX 05	9.5	2017	74777.83	22491.64	2870.81	0.00	891.87	26254.32	33.92	34.09				
		Shalbourne (option B)	PR09 SWOX 06	7.1	2012	55886.59	10525.67	5324.48	0.00	342.68	16192.83	28.36	27.98				
		Goring Gap 2	PR09 SWOX 07	5.8	2013	45653.84	6904.62	696.16	0.00	568.18	8068.96	16.43	16.73				
		Culham (raw water transfer to Farnham)	PR09 SWOX 08	4	2012	31485.40	9516.98	4878.53	0.00	270.42	14665.93	45.72	45.92				
		Goring Gap 4	PR09 SWOX 09	10	2013	78713.51	28310.02	4273.17	0.00	1235.17	33818.36	41.39	41.44				
		Reservoir - Abingdon Phased (75Mm³ + 75Mm³) (P2S)	PR09 SWOX 10	24	2024	188912.42	114279.58	26590.89	0.00	0.00	140370.47	74.62	74.62				
		Reservoir - Abingdon 150Mm³ (3 zones SWOX)	PR09 SWOX 11	48	2021	377824.84	284028.86	39117.29	0.00	3600.56	326906.71	85.53	70.54				
		Reservoir - Abingdon 150Mm³ (SWOX)	PR09 SWOX 12	48	2021	377824.84	312055.43	44496.10	0.00	-3694.69	362855.64	94.37	78.84				
		Reservoir - Abingdon 75Mm³ (SWOX)	PR09 SWOX 13	24	2020	188912.42	172337.93	26590.89	0.00	-25901.75	173027.06	105.30	74.69				
		Reservoir - Abingdon Phased (75Mm³ + 75Mm³) (P1S)	PR09 SWOX 14	24	2020	188912.42	196825.14	26590.89	0.00	1155.14	224571.17	118.26	84.58				
		Reservoir - Longworth 30Mm³	PR09 SWOX 15	69	2021	543123.21	520196.62	60284.22	0.00	-27445.56	553035.27	106.88	97.40				
		Reservoir - Abingdon 30Mm³	PR09 SWOX 17	69	2019	543123.21	565680.85	60033.45	0.00	-26320.29	599394.01	115.21	105.17				
		Outlet Canal Transfer (Gimbury)	PR09 SWOX 18	20.2	2017	159001.29	11479.11	39044.06	0.00	296.12	50819.29	31.78	31.51				
		Reservoir - Marsh Gibbon 30Mm³	PR09 SWOX 19	69	2021	543123.21	624089.17	59856.44	0.00	-27303.92	656641.69	125.93	116.17				
		Culham (+ treatment 4.5Mld)	PR09 SWOX 20	4	2012	31485.40	16344.39	14793.83	0.00	265.07	31403.28	89.90	98.61				
		Reservoir - Quanton 30Mm³	PR09 SWOX 21	69	2021	543123.21	664892.97	61965.83	0.00	-26499.29	700359.51	133.83	124.04				
		Northern Region Transfer - Option 2 (SWOX)	PR09 SWOX 22	48	2020	377824.84	350100.13	57269.56	0.00	24309.36	431679.04	107.82	96.34				
		Goring Gap 5	PR09 SWOX 23	10	2012	78713.51	6948.61	12047.53	0.00	180.19	19176.34	24.13	24.29				
		SWA - SWOX transfer - Option 1 (S3695)	PR09 SWOX 24	8	2014	62970.81	35062.66	1229.92	0.00	263.44	36556.61	57.63	57.86				
		SWA - SWOX transfer - Option 2 (S3698)	PR09 SWOX 25	10	2014	78713.51	46041.15	1446.35	0.00	943.67	48431.17	60.33	59.74				
		SWA - SWOX transfer - Option 3 (S3701)	PR09 SWOX 26	10	2014	78713.51	49053.36	1229.92	0.00	764.44	51047.71	63.88	63.42				
		Northern Region Transfer - Option 1	PR09 SWOX 29	45	2015	354210.79	512821.27	58705.84	0.00	7246.27	578773.38	161.35	162.78				
		Savern-Thames Transfer - Longdon Marsh (SWOX) Case A	PR09 SWOX 30	48	2020	377824.84	340618.63	59124.77	0.00	19181.63	418925.03	105.80	98.47				
		SWOX NC 1	PR09 SWOX 31	1	2010	7871.35	1763.73	47.98	0.00	7.38	1819.10	23.02	23.11				
		SWOX NC 2	PR09 SWOX 32	0.3	2010	2361.41	259.10	0.63	0.00	9.84	269.57	11.00	11.42				
		SWOX NC 3	PR09 SWOX 33	2	2011	15742.70	2347.64	55.53	0.00	13.83	2416.99	15.27	15.33				
		SWOX NC 6	PR09 SWOX 34	2.1	2012	16529.84	5116.36	2463.75	0.00	0.01	7580.12	45.86	45.86				
		SWOX NC 4	PR09 SWOX 35	1.03	2011	8107.49	1023.45	0.00	0.00	102.85	1128.31	12.62	13.88				
		SWOX NC 7	PR09 SWOX 36	0.3	2011	2361.41	1244.58	72.68	0.00	9.37	1326.62	55.78	56.13				
		SWOX NC 5	PR09 SWOX 37	0.3	2011	2361.41	587.37	72.68	0.00	9.40	669.44	27.95	28.30				
		Reservoir - Abingdon 100Mm³ (SWOX)	PR09 SWOX 38	24	2019	188912.42	204555.93	28607.55	0.00	-18965.69	212197.80	122.37	92.44				
		Savern-Thames Transfer - Longdon Marsh (SWOX) Case B	PR09 SWOX 39	24	2022	188912.42	210689.28	34391.13	0.00	12468.45	257488.87	129.74	112.47				
		Reservoir - Abingdon 50Mm³ (SWOX)	PR09 SWOX 40	20	2018	157427.02	185708.00	13080.25	0.00	-33084.63	165703.62	126.27	93.18				

Company: Thames Water

Resource Zone Name: SWOX

Resource Zone Number: 2 of 6

Planning Scenario Name: Dry Year Critical Period

Chosen Level of Service: Company Preferred Level of Service



**Table WRP4-FP: Final planning supply-demand components**

ROW Ref.	DERIVATION	DESCRIPTION	UNITS	Scenario																																				
				Year	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								
<b>BASIC RESOURCES FINAL PLANNING</b>																																								
1 <sub>FP</sub>	Input	Deployable Output	MWD	341.48	361.71	362.12	362.12	367.92	372.19	384.29	384.29	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09	390.09		
2 <sub>FP</sub>	WRP4a-FP 2a <sub>FP</sub>	Reductions in Deployable Output	MWD	20.96	9.61	10.06	10.50	10.98	11.40	11.85	12.30	16.35	16.81	17.25	17.70	18.14	18.57	18.84	18.84	18.82	18.83	19.02	19.11	19.22	19.31	19.39	19.50	19.59	19.70	19.80	19.92	20.05								
3 <sub>FP</sub>	Input	Outage Allowance	MWD	10.61	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62
4 <sub>FP</sub>	0 <sub>FP</sub> +11 <sub>FP</sub>	Process Losses	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>FP</sub>	1 <sub>FP</sub> +2 <sub>FP</sub> +3 <sub>FP</sub> +4 <sub>FP</sub>	Water Available For Use (own sources)	MWD	306.92	341.48	341.44	340.99	346.32	350.17	361.81	361.37	363.11	362.65	362.22	361.77	361.33	360.89	360.63	360.53	360.65	360.54	364.45	364.36	364.25	364.16	364.08	363.96	363.87	363.77	363.67	363.54	363.42								
<b>RAW WATER FINAL PLANNING</b>																																								
6 <sub>FP</sub>	Input	Raw Water Abstracted	MWD	372.59	364.75	362.70	360.63	357.79	356.29	354.97	354.09	353.50	353.15	353.07	345.90	345.49	344.97	344.90	345.56	346.30	346.91	347.41	348.05	348.63	349.09	349.44	349.73	349.85	349.81	349.79	349.77	339.30								
7 <sub>FP</sub>	WRP4a-FP 7a <sub>FP</sub>	Raw Water Exported	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>FP</sub>	WRP4a-FP 8a <sub>FP</sub>	Raw Water Imported	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>FP</sub>	Input	Raw Water Losses and Operational Use	MWD	2.11	1.48	1.47	1.46	1.45	1.44	1.44	1.44	1.43	1.43	1.43	1.40	1.40	1.40	1.40	1.40	1.40	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.38			
10 <sub>FP</sub>	WRP4a-FP 10a <sub>FP</sub>	Non Potable Supplies	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
<b>POTABLE WATER TO POINT OF DELIVERY FINAL PLANNING</b>																																								
11 <sub>FP</sub>	Input	Treatment Works Losses and Operational Use	MWD	18.95	13.31	13.23	13.16	13.06	13.00	12.95	12.92	12.90	12.89	12.88	12.62	12.61	12.59	12.58	12.61	12.64	12.66	12.68	12.70	12.72	12.74	12.75	12.76	12.77	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.38		
12 <sub>FP</sub>	WRP4a-FP 12a <sub>FP</sub>	Potable Water Exported	MWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>FP</sub>	WRP4a-FP 13a <sub>FP</sub>	Potable Water Imported	MWD	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
14 <sub>FP</sub>	Input	Distribution Input	MWD	356.54	354.96	353.00	351.01	348.29	346.84	345.58	344.73	344.17	343.83	343.75	336.87	336.49	335.99	335.91	336.55	337.26	337.85	338.33	338.94	339.50	339.93	340.28	340.55	340.66	340.63	340.60	340.59	340.59	340.59	340.59	340.59	340.59	340.59	340.59	340.59	340.59
15 <sub>FP</sub>	Input	Distribution Losses	MWD	36.31	38.80	39.06	39.61	37.58	36.93	36.51	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52	36.52
16 <sub>FP</sub>	Input	Distribution System Operational Use	MWD	0.48	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
17 <sub>FP</sub>	14 <sub>FP</sub> +15 <sub>FP</sub> +16 <sub>FP</sub>	Water Delivered	MWD	319.75	315.42	313.19	310.66	309.97	309.17	308.26	307.48	306.50	305.56	306.49	299.61	299.52	298.72	298.65	299.28	299.99	300.58	301.06	301.67	302.23	302.67	303.01	303.28	303.40	303.36	303.34	303.33	303.33	303.33	303.33	303.33	303.33	303.33	303.33	303.33	
<b>POTABLE WATER CUSTOMER USE FINAL PLANNING</b>																																								
18 <sub>FP</sub>	Input	Unmeasured Household - Population	000s	565.870	520.140	512.556	505.639	484.649	449.153	412.667	376.284	339.956	302.753	264.561	224.806	184.537	143.444	122.336	122.028	121.646	121.365	121.122	120.800	120.518	120.278	119.958	119.620	119.392	119.200	119.010	118.819	118.819	118.819	118.819	118.819	118.819	118.819	118.819	118.819	
19 <sub>FP</sub>	Input	Unmeasured Household - Properties	000s	201.265	196.905	193.938	190.761	181.473	166.073	150.714	135.436	120.239	105.164	90.170	75.217	60.345	45.554	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	38.178	
20 <sub>FP</sub>	18 <sub>FP</sub> /19 <sub>FP</sub>	Unmeasured Household - Occupancy Rate	h/pt	2.81	2.64	2.64	2.65	2.67	2.70	2.74	2.78	2.83	2.88	2.93	2.99	3.06	3.15	3.20	3.20	3.19	3.18	3.17	3.16	3.15	3.14	3.13	3.12	3.12	3.12	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11		
21 <sub>FP</sub>	WRP6a-6.1 <sub>FP</sub>	Measured Household - Population	000s	325.093	374.833	390.542	404.125	432.016	474.938	518.044	561.580	606.673	654.496	705.105	756.195	809.003	862.928	896.078	907.144	915.995	925.511	934.575	942.827	950.623	958.216	965.535	973.261	980.425	986.543	993.195	1000.522	1007.865								
22 <sub>FP</sub>	WRP6a-6.2 <sub>FP</sub>	Measured Household - Properties	000s	154.329	169.383	177.071	184.063	196.652	215.272	234.528	254.169	274.132	294.631	315.663	338.816	378.997	392.668	398.473	403.587	408.532	413.487	418.221	422.635	426.834	431.214	435.861	439.885	443.320	447.000	450.995	455.054									
23 <sub>FP</sub>	21 <sub>FP</sub> /22 <sub>FP</sub>	Measured Household - Occupancy Rate	h/pt	2.11	2.21	2.21	2.20	2.20	2.21	2.21	2.21	2.22	2.23	2.25	2.26	2.28	2.28	2.28	2.27	2.26	2.26	2.25	2.25	2.24	2.24	2.23	2.23	2.23	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22				
24 <sub>FP</sub>	Input	Unmeasured Non Household - Population	000s	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	0.000	0.000	0.000	0.000	0.000	0.000			
25 <sub>FP</sub>	Input	Unmeasured Non Household - Properties	000s	0.935	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200			
26 <sub>FP</sub>	Input	Measured Non Household - Population	000s	56.100	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553	58.553			
27 <sub>FP</sub>	Input	Measured Non Household - Properties	000s	34.810	26.861	27.154	27.447	27.739	28.032	28.325	28.618	28.911	29.204	29.496	29.789	30.082	30.375	30.668	30.960	31.253	31.546	31.839	32.132	32.424	32.717	33.010	33.303	33.596	33.889	34.181</										

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	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	2006-07																											
2a <sub>FP</sub>	Input as appropriate	Reductions in Final Planning Deployable Output. Total here and specify below	M/d	20.96	9.61	10.06	10.50	10.98	11.40	11.85	12.30	16.35	16.81	17.25	17.70	18.14	18.57	18.84	18.94	18.82	18.93	19.02	19.11	19.22	19.31	19.39	19.50	19.59	19.70	19.80	19.92	20.05
		<i>Climate change</i>	M/d	0.00	0.00	0.45	0.91	1.36	1.81	2.26	2.72	3.17	3.62	4.07	4.53	4.98	5.43	5.70	5.83	5.96	6.08	6.21	6.34	6.46	6.59	6.72	6.84	6.97	7.10	7.22	7.35	7.48
		<i>Sustainability Reduction</i>	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
		<i>Network Constraints</i>	M/d	20.96	9.61	9.60	9.60	9.62	9.59	9.59	9.58	9.59	9.59	9.58	9.57	9.56	9.54	9.53	9.51	9.26	9.24	9.21	9.17	9.15	9.12	9.07	9.06	9.02	9.00	8.97	8.97	8.97
			M/d																													
			M/d																													
7a <sub>FP</sub>	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	
		to	M/d																													
		to	M/d																													
8a <sub>FP</sub>	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	
		from	M/d																													
		from	M/d																													
		from	M/d																													
10a <sub>FP</sub>	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	
		to	M/d																													
		to	M/d																													
		to	M/d																													
12a <sub>FP</sub>	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	
		to Wessex (Ext)	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		to Severn Trent Water Co (Ext)	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		to	M/d																													
		to	M/d																													
		to	M/d																													
13a <sub>FP</sub>	Input as appropriate	Final Planning Potable Water Imported. Total here and specify below	M/d	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
		From SWA (Ashendon to Horapath) to North Oxfordshi	M/d	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
		From SWA, Radnage to Bledlow Ridge (To S Oxon)	M/d	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
		From SWA, Stokenchurch to Chinnor (To S Oxon)	M/d	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
			M/d																													
			M/d																													

Company: Thames Water

Resource Zone Name: SWOX

Resource Zone Number: 2 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	28/39/16/78	Farmoor & Swinford	RES		159.50	300.00		1920-2006	1976
5.2	Input	28/39/15/0006	Culham (Disused)	SW		0.00	4.55			
5.3	Input	28/39/12/0025	Old Chalford	GW		0.00	4.09	GWL	1985-1998	1992
5.4	Input	28/39/14/0234	Bodicote	RES		0.00	4.55			
5.5	Input	28/39/14/0240	Grimsbury	RES		2.80	35.46		1966-2007	1976
5.6	Input	28/39/10/0038	Lower Swell	GW		0.96	1.36	GWL	1976-2007	1991
5.7	Input	28/39/10/0031	Upper Swell	GW		1.75	5.00	GWL	1976-2006	1991
5.8	Input	28/39/10/0030	Seven Springs	GW		2.29	3.41	GWL	1976-2007	1991
5.9	Input	18/54/14/0059	Blockley	GW		1.44	3.55	GWL	1976-1997	1997
5.10	Input	28/39/06/0014	Syreford *	GW		1.10	0.91	L	1991-2006	
5.11	Input	28/39/06/0072	Syreford * (Aggregated)	GW		0.00	1.14			
5.12	Input	28/39/02/0018	Baunton *	GW		0.00	6.28	L	1981-1996	
5.13	Input	28/39/02/0063	Baunton * (Aggregated)	GW		0.00	21.59			
5.14	Input	28/39/06/0015	Bibury (B15) *	GW		6.82	2.27	L	1965-2008	
5.15	Input	28/39/06/0062	Bibury (B15) * (Aggregated)	GW		0.00	12.27			
5.16	Input	28/39/06/0013	Fairford	GW		1.07	1.09	GWL	1976-2006	1990
5.17	Input	18/54/14/0080	Dovecote	GW		1.24	3.19	GWL	1976-2005	1997
5.18	Input	28/39/01/0009	Ashton Keynes	GW		11.59	11.59	L	1978-1992	
5.19	Input	28/39/05/0039	Messy Hampton *	GW		0.00	10.14		1982-1996	
5.20	Input	28/39/05/0044	Messy Hampton (Aggregated)	GW		0.00	11.37	L		
5.21	Input	28/39/22/0081	Ashdown Park *	GW		1.80	2.73	P	1976-2007	1976 RWL, 2007
5.22	Input	28/39/22/0441	Ashdown Park * (Aggregated)	GW		0.00	3.41			
5.23	Input	22/39/22/0027	Axford	GW		13.10	13.10	L	1961-1995	
5.24	Input	22/39/22/0073	Clatford *	GW		1.55	1.11	L	1947-2006	
5.25	Input	22/39/22/0419	Clatford * (Aggregated)	GW		0.00	1.55			
5.26	Input	28/39/22/0074	Ramsbury	GW		1.90	1.91	L	1937-2007	
5.27	Input	28/39/22/0055	Marlborough *	GW		3.20	2.64	L	2003-2006	
5.28	Input	28/39/22/0420	Marlborough * (Aggregated)	GW		0.00	3.18			
5.29	Input	28/39/02/0010	Latton (M1) *	GW		20.00	15.00	L	1975-2008	
5.30	Input	28/39/03/0002	Wroughton (M1) *	GW		0.00	2.73	Disused	1921	
5.31	Input	28/39/22/0075	Ogbourne (M1) (* Aggregated)	GW		3.50	13.64	GWL	1978-2006	1992 RWL, 1997
5.32	Input	28/39/22/0056	Bedwyn	GW		1.70	1.75	L	1994-2008	
5.33	Input	28/39/21/0003	Compton	GW		0.00	6.00	Disused	1964-1995	
5.34	Input	28/39/22/0488	Leckhampstead	GW		3.00	3.00	L	1976-2006	
5.35	Input	28/39/19/0186	Chinnor *	GW		1.80	2.27	B	1976-2002	1976 RWL, 1997
5.36	Input	28/39/19/0040	Lewknor *	GW		0.00	1.31	Disused	1976-1997	
5.37	Input	28/39/19/0042	Watlington *	GW		1.30	1.31	L	1976-1997	
5.38	Input	28/39/19/0060	Britwell * (Aggregated)	GW		1.30	1.31	L	1976-1997	
5.39	Input	28/39/20/0006	Blewbury	GW		0.00	0.00	Revoked	1935-2000	
5.40	Input	28/39/23/0173	Gatehampton	GW		85.50	105.00	L	1991-2007	
5.41	Input	28/39/23/0009	Cleeve No. 3&4 (pou)	GW		9.50	9.55	GWL / L	1994-2007	
5.42	Input	28/39/23/0060	Cleeve No.5 (pou)	GW		6.80	6.82	GWL / L	1994-2007	
5.43	Input	28/39/23/0121	Witheridge Hill	GW		2.40	2.62	P	1971-1997	1975 RWL, 1997
5.44	Input	28/39/20/0011	Woods Farm (20)	GW		5.50	5.50	L	1976-1998	
5.45	Input	28/39/17/0022	Childrey Warren	GW		3.70	4.55	B	1971-2006	1997 RWL & PW
5.46	Input	28/39/17/0006	Manor Road (Wants)	GW		3.60	3.64	L	1991-2008	
5.47	Input									
5.48	Input									
5.49	Input									
5.50	Input									
5.51	Input									
5.52	Input									
5.53	Input		L = Licence							
5.54	Input		Q = Quality							
5.55	Input		P = Pump Size or Depth							
5.56	Input		GWL = Low Groundwater Levels							
5.57	Input		B = Borehole depth or restriction							
5.58	Input		T = Treatment							
5.59	Input		RWL = Rest Water Level							
5.60	Input		PWL = Pumping Water Level							
6.41	Sum (5.1-6.40) Total reconciled DO				0.00	361.71	659.42			

Company: Thames Water  
Resource Zone Name: SWOX  
Resource Zone Number: 2 of 6  
Planning Scenario Name: Dry Year Critical Period  
Chosen Level of Service: Company Preferred Level of Service

Table WRP6: Baseline breakdown of measured households

Row Ref	Derivation	Description	Units	Scenario Year	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
6.1 <sub>BL</sub>	6.5 <sub>BL</sub> +6.9 <sub>BL</sub> +6.13 <sub>BL</sub> +6.17 <sub>BL</sub> +6.21 <sub>BL</sub> +6.25 <sub>BL</sub>	Total	Population	000's	325.09	374.83	390.54	404.13	415.79	426.27	437.21	448.94	461.87	476.46	492.62	508.38	524.76	541.28	557.36	572.24	585.27	598.45	611.79	624.16	635.95	647.42	658.80	670.71	681.97	692.23	703.13	714.76	726.46
6.2 <sub>BL</sub>	6.9 <sub>BL</sub> +6.10 <sub>BL</sub> +6.14 <sub>BL</sub> +6.18 <sub>BL</sub> +6.21 <sub>BL</sub> +6.25 <sub>BL</sub>	Total	Properties	000's	154.33	169.38	177.07	184.06	189.93	195.09	200.94	207.25	213.96	221.34	229.32	237.47	245.67	253.88	262.13	269.88	276.94	283.84	290.74	297.42	303.78	309.93	316.26	322.85	328.83	334.21	339.84	345.78	351.79
6.3 <sub>BL</sub>	6.1 <sub>BL</sub> /6.2 <sub>BL</sub>	Total	Occupancy	h/prop	2.11	2.21	2.21	2.20	2.19	2.18	2.18	2.17	2.16	2.15	2.15	2.14	2.14	2.13	2.13	2.12	2.11	2.11	2.10	2.10	2.09	2.09	2.08	2.08	2.07	2.07	2.07	2.07	2.07
6.5 <sub>BL</sub>	Input	Meter optants	Population	000's	0.00	0.00	3.13	6.74	10.03	13.02	15.96	18.88	21.80	24.71	27.62	30.48	33.35	36.23	39.07	41.89	44.69	47.51	50.35	53.13	55.93	58.01	62.36	65.69	69.09	72.52	75.96	80.07	82.89
6.6 <sub>BL</sub>	Input	Meter optants	Properties	000's	0.00	0.00	2.04	4.39	6.54	8.49	10.44	12.38	14.33	16.28	18.23	20.18	22.12	24.07	26.02	27.97	29.92	31.86	33.81	35.76	37.71	39.66	41.60	43.55	45.50	47.45	49.40	51.34	53.29
6.7 <sub>BL</sub>	6.5 <sub>BL</sub> /6.6 <sub>BL</sub>	Meter optants	Occupancy	h/prop	#DIV/0!	#DIV/0!	1.54	1.54	1.53	1.53	1.53	1.52	1.52	1.52	1.51	1.51	1.50	1.50	1.49	1.49	1.49	1.49	1.48	1.48	1.48	1.48	1.47	1.47	1.46	1.46	1.45	1.45	1.45
6.8 <sub>BL</sub>	Input	Meter optants	pcc	1/h/d	0.00	0.00	143.16	143.04	142.70	142.44	142.23	142.25	142.50	142.62	143.04	143.54	144.12	144.83	144.87	145.17	145.41	145.08	144.78	144.54	144.19	143.59	142.95	142.22	141.48	140.74	139.69	139.35	
6.9 <sub>BL</sub>	Input	New properties	Population	000's	0.00	0.00	10.40	19.34	27.06	34.62	43.64	53.68	64.63	77.09	90.96	105.00	119.21	133.45	147.58	160.52	171.77	182.75	193.78	204.13	213.77	222.87	232.05	241.77	250.33	257.68	265.59	273.92	282.91
6.10 <sub>BL</sub>	Input	New properties	Properties	000's	0.00	0.00	4.42	8.23	11.53	14.75	18.65	23.01	27.78	33.20	39.24	45.44	51.69	57.96	64.25	70.06	75.17	80.12	85.07	89.81	94.22	98.42	102.80	107.45	111.47	114.91	118.59	122.58	126.64
6.11 <sub>BL</sub>	6.9 <sub>BL</sub> /6.10 <sub>BL</sub>	New properties	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.35	2.35	2.35	2.35	2.34	2.33	2.33	2.32	2.31	2.31	2.30	2.29	2.28	2.28	2.27	2.27	2.26	2.26	2.25	2.25	2.24	2.24	2.23	2.23	2.23		
6.12 <sub>BL</sub>	Input	New properties	pcc	1/h/d	0.00	0.00	144.96	144.91	143.92	142.78	141.37	140.02	138.54	137.16	135.32	134.07	133.11	132.36	131.84	131.47	130.67	129.90	129.14	128.43	127.79	127.26	127.45	127.03	126.54	126.05	125.50	124.91	124.33
6.13 <sub>BL</sub>	Input	Metering on change of occupancy	Population	000's	0.00	0.00	3.02	5.02	6.02	6.02	6.00	5.98	5.97	5.96	5.95	5.93	5.92	5.91	5.89	5.88	5.86	5.85	5.84	5.83	5.82	5.81	5.79	5.77	5.76	5.75	5.75	5.73	5.73
6.14 <sub>BL</sub>	Input	Metering on change of occupancy	Properties	000's	0.00	0.00	1.24	2.06	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	
6.15 <sub>BL</sub>	6.13 <sub>BL</sub> /6.14 <sub>BL</sub>	Metering on change of occupancy	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.45	2.44	2.44	2.44	2.43	2.42	2.42	2.41	2.41	2.40	2.39	2.39	2.38	2.37	2.37	2.37	2.36	2.36	2.35	2.34	2.34	2.33	2.33	2.33	2.32	2.32	
6.16 <sub>BL</sub>	Input	Metering on change of occupancy	pcc	1/h/d	0.00	0.00	155.93	155.44	154.97	154.58	154.27	154.03	153.81	153.65	153.50	153.57	153.81	154.00	154.09	154.28	154.46	154.64	154.82	155.00	155.18	155.36	155.54	155.72	155.90	156.08	156.26	156.44	156.62
6.17 <sub>BL</sub>	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 <sub>BL</sub>	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 <sub>BL</sub>	6.17 <sub>BL</sub> /6.18 <sub>BL</sub>	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!	
6.20 <sub>BL</sub>	Input	Selective metering	pcc	1/h/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.21 <sub>BL</sub>	Input	Compulsory metering	Population	000's																													
6.22 <sub>BL</sub>	Input	Compulsory metering	Properties	000's																													
6.23 <sub>BL</sub>	6.21 <sub>BL</sub> /6.22 <sub>BL</sub>	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 <sub>BL</sub>	Input	Compulsory metering	pcc	1/h/d																													
6.25 <sub>BL</sub>	Input	Existing Metering	Population	000's	325.09	374.83	373.99	373.03	372.67	372.61	371.60	370.39	369.47	368.70	368.10	366.97	366.28	365.69	364.82	363.95	362.95	362.34	361.83	361.07	360.43	359.73	358.81	357.48	356.78	356.28	355.83	355.03	354.95
6.26 <sub>BL</sub>	Input	Existing Metering	Properties	000's	154.33	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38
6.27 <sub>BL</sub>	6.25 <sub>BL</sub> /6.26 <sub>BL</sub>	Existing Metering	Occupancy	h/prop	2.11	2.21	2.21	2.20	2.20	2.19	2.19	2.18	2.18	2.17	2.17	2.16	2.16	2.15	2.15	2.14	2.14	2.14	2.13	2.13	2.12	2.12	2.11	2.11	2.10	2.10	2.10	2.10	
6.28 <sub>BL</sub>	Input	Existing Metering	pcc	1/h/d	0.00	142.38	142.99	142.96	142.85	142.73	142.76	142.82	142.78	142.71	142.67	142.72	142.58	142.27	141.83	141.30	141.02	140.44	139.74	138.97	138.03	137.02	135.42	133.90	132.23	130.54	128.73	126.82	124.69

Company:	Thames Water
Resource Zone Name	SWOX
Resource Zone Number:	2 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 <sub>pp</sub>	6.5 <sub>pp</sub> +6.9 <sub>pp</sub> +6.13 <sub>pp</sub> +6.17 <sub>pp</sub> +6.21 <sub>pp</sub> +6.25 <sub>pp</sub>	Total	Population	000's	325.09	374.83	390.54	404.12	432.02	474.94	518.04	561.58	606.67	654.50	705.11	756.20	809.00	862.93	896.08	907.14	916.00	925.15	934.57	942.83	950.62	958.22	965.53	973.26	980.42	986.54	993.20	1000.52	1007.86	
6.2 <sub>pp</sub>	6.6 <sub>pp</sub> +6.10 <sub>pp</sub> +6.14 <sub>pp</sub> +6.18 <sub>pp</sub> +6.22 <sub>pp</sub> +6.26 <sub>pp</sub>	Total	Properties	000's	154.33	169.38	177.07	184.06	196.65	215.27	234.53	254.17	274.13	294.63	315.66	336.82	357.94	379.00	392.67	398.47	403.59	408.53	413.49	418.22	422.63	426.83	431.21	435.86	439.88	443.32	447.00	450.99	455.05	
6.3 <sub>pp</sub>	6.1 <sub>pp</sub> /6.2 <sub>pp</sub>	Total	Occupancy	h/prop	2.11	2.21	2.21	2.20	2.20	2.21	2.21	2.21	2.21	2.22	2.23	2.25	2.26	2.28	2.28	2.28	2.27	2.26	2.26	2.25	2.25	2.24	2.24	2.23	2.23	2.22	2.22	2.22	2.21	
6.5 <sub>pp</sub>	Input	Meter optants	Population	000's	0.00	0.00	3.13	6.74	10.34	13.95	17.46	20.80	24.05	27.15	30.76	35.05	39.18	43.53	45.81	45.70	45.56	45.45	45.37	45.25	45.14	45.06	44.93	44.81	44.72	44.65	44.58	44.51	44.44	
6.6 <sub>pp</sub>	Input	Meter optants	Properties	000's	0.00	0.00	2.04	4.39	6.74	9.10	11.41	13.64	15.79	17.82	19.77	21.68	23.50	25.25	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10	26.10
6.7 <sub>pp</sub>	6.5 <sub>pp</sub> /6.6 <sub>pp</sub>	Meter optants	Occupancy	h/prop	#DIV/0!	#DIV/0!	1.54	1.54	1.53	1.53	1.53	1.53	1.52	1.52	1.56	1.62	1.67	1.72	1.76	1.75	1.75	1.74	1.74	1.73	1.73	1.73	1.72	1.71	1.71	1.71	1.71	1.71	1.70	
6.8 <sub>pp</sub>	Input	Meter optants	pcc	l/h/d	0.00	0.00	143.16	143.04	142.56	142.34	142.17	142.20	142.18	142.40	141.48	133.20	132.37	131.54	131.14	130.98	131.04	131.03	130.46	130.12	129.92	129.82	129.71	129.52	129.22	128.88	128.51	128.13	127.77	
6.9 <sub>pp</sub>	Input	New properties	Population	000's	0.00	0.00	10.40	19.34	27.06	34.62	43.65	53.69	64.71	77.39	91.28	105.28	119.34	133.33	147.19	160.09	171.25	182.09	192.97	203.18	212.67	221.71	230.96	240.73	249.28	256.55	264.35	272.82	281.38	
6.10 <sub>pp</sub>	Input	New properties	Properties	000's	0.00	0.00	4.42	8.23	11.53	14.75	18.65	23.01	27.78	33.20	39.24	45.44	51.69	57.96	64.25	70.06	75.17	80.12	85.07	89.81	94.22	98.42	102.80	107.45	111.47	114.91	118.59	122.58	126.64	
6.11 <sub>pp</sub>	6.9 <sub>pp</sub> /6.10 <sub>pp</sub>	New properties	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.35	2.35	2.35	2.35	2.34	2.33	2.33	2.33	2.32	2.31	2.30	2.29	2.29	2.28	2.27	2.27	2.26	2.26	2.25	2.25	2.24	2.24	2.23	2.23	2.23	2.22		
6.12 <sub>pp</sub>	Input	New properties	pcc	l/h/d	0.00	0.00	144.96	144.91	143.82	142.72	141.37	140.04	138.58	137.20	135.35	127.36	126.38	125.59	124.93	124.35	124.06	123.76	123.43	123.35	123.42	123.61	123.77	123.34	122.84	122.33	121.78	121.19	120.62	
6.13 <sub>pp</sub>	Input	Metering on change off occupancy	Population	000's	0.00	0.00	3.02	5.02	6.02	6.02	6.00	5.99	5.98	5.98	6.05	6.10	6.18	6.27	6.30	6.29	6.27	6.25	6.24	6.23	6.21	6.20	6.18	6.17	6.15	6.14	6.13	6.12	6.11	
6.14 <sub>pp</sub>	Input	Metering on change off occupancy	Properties	000's	0.00	0.00	1.24	2.06	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	
6.15 <sub>pp</sub>	6.13 <sub>pp</sub> /6.14 <sub>pp</sub>	Metering on change off occupancy	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.45	2.44	2.44	2.44	2.43	2.42	2.42	2.42	2.45	2.47	2.50	2.54	2.55	2.55	2.54	2.53	2.53	2.52	2.51	2.51	2.50	2.50	2.49	2.49	2.48	2.48	2.48	
6.16 <sub>pp</sub>	Input	Metering on change off occupancy	pcc	l/h/d	0.00	0.00	156.01	155.49	155.12	154.88	154.58	154.33	154.17	154.21	154.32	147.07	147.74	148.95	147.96	145.78	145.77	145.75	145.87	145.02	144.17	143.36	142.58	141.81	141.04	140.29	139.56	138.83	138.11	
6.17 <sub>pp</sub>	Input	Selective metering	Population	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.18 <sub>pp</sub>	Input	Selective metering	Properties	000's	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.19 <sub>pp</sub>	6.17 <sub>pp</sub> /6.18 <sub>pp</sub>	Selective metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6.20 <sub>pp</sub>	Input	Selective metering	pcc	l/h/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6.21 <sub>pp</sub>	Input	Compulsory metering	Population	000's	0.00	0.00	0.00	0.00	15.90	47.69	79.28	110.63	142.03	173.81	207.62	241.80	277.64	314.44	332.92	332.10	331.07	330.31	329.66	328.79	328.03	327.39	326.52	325.61	325.00	324.48	323.97	323.46	322.92	
6.22 <sub>pp</sub>	Input	Compulsory metering	Properties	000's	0.00	0.00	0.00	0.00	6.52	19.57	32.62	45.66	58.71	71.75	84.80	97.85	110.89	123.94	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	130.46	
6.23 <sub>pp</sub>	6.21 <sub>pp</sub> /6.22 <sub>pp</sub>	Compulsory metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	2.44	2.44	2.43	2.42	2.42	2.42	2.45	2.47	2.50	2.54	2.55	2.55	2.54	2.53	2.52	2.51	2.51	2.50	2.50	2.49	2.49	2.48	2.48	2.48		
6.24 <sub>pp</sub>	Input	Compulsory metering	pcc	l/h/d	0.00	0.00	0.00	0.00	155.12	154.88	154.58	154.33	154.17	154.21	154.32	147.07	147.74	148.95	147.96	145.78	145.77	145.75	145.87	145.02	144.17	143.36	142.58	141.81	141.04	140.29	139.56	138.83	138.11	
6.25 <sub>pp</sub>	Input	Existing Metering	Population	000's	325.09	374.83	373.99	373.03	372.69	372.65	371.66	370.47	369.92	370.15	369.40	367.96	366.66	365.37	363.85	362.97	361.85	361.03	360.33	359.39	358.57	357.87	356.93	355.94	355.28	354.72	354.16	353.61	353.01	
6.26 <sub>pp</sub>	Input	Existing Metering	Properties	000's	154.33	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	169.38	
6.27 <sub>pp</sub>	6.25 <sub>pp</sub> /6.26 <sub>pp</sub>	Existing Metering	Occupancy	h/prop	2.11	2.21	2.21	2.20	2.20	2.20	2.19	2.19	2.19	2.19	2.18	2.17	2.16	2.16	2.15	2.14	2.14	2.13	2.12	2.12	2.11	2.11	2.10	2.10	2.09	2.09	2.09	2.08		
6.28 <sub>pp</sub>	Input	Existing Metering	pcc	l/h/d	0.00	142.38	142.88	142.79	142.26	141.66	141.32	141.01	140.52	139.83	138.99	131.21	129.70	127.20	127.14	128.88	128.45	127.57	126.22	126.23	126.17	125.93	125.57	125.32	124.82	124.29	123.62	122.77	121.83	

Company:	Thames Water
Resource Zone Name:	SWOX
Resource Zone Number:	2 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: SWOX  
Resource Zone Number: 2 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		
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		

Company: Thames Water  
Resource Zone Name: SWOX  
Resource Zone Number: 2 of 6  
Planning Scenario Name: Dry Year Critical Period  
Chosen Level of Service: Company Preferred Level of Service

**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>Thames Water</u>
Resource Zone Name	<u>SWOX</u>
Resource Zone Number:	<u>2</u> of <u>6</u>
Planning Scenario Name:	<u>Dry Year Critical Period</u>
Chosen Level of Service:	<u>Company Preferred Level of Service</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		
<b>BASIC RESOURCES NORMAL YEAR</b>																																		
3 <sub>N</sub>	Input	Outage Allowance	Mld																															
5 <sub>N</sub>	Input	Water Available For Use (own sources)	Mld																															
<b>RAW WATER NORMAL YEAR</b>																																		
6 <sub>N</sub>	Input	Raw Water Abstracted	Mld																															
7 <sub>N</sub>	Input	Raw Water Exported (existing)	Mld																															
8 <sub>N</sub>	Input	Raw Water Imported (existing)	Mld																															
9 <sub>N</sub>	Input	Raw Water Losses and Operational Use	Mld																															
10 <sub>N</sub>	Input	Non Potable Supplies (existing)	Mld																															
<b>POTABLE WATER TO POINT OF DELIVERY NORMAL YEAR</b>																																		
11 <sub>N</sub>	Input	Treatment Works Losses and Operational Use	Mld																															
12 <sub>N</sub>	Input	Potable Water Exported	Mld																															
13 <sub>N</sub>	Input	Potable Water Imported	Mld																															
14 <sub>N</sub>	Input	Distribution Input	Mld																															
15 <sub>N</sub>	Input	Distribution Losses	Mld																															
16 <sub>N</sub>	Input	Distribution System Operational Use	Mld																															
17 <sub>N</sub>	14 <sub>N</sub> +15 <sub>N</sub> +16 <sub>N</sub>	Water Delivered	Mld	0.00																														
<b>POTABLE WATER DELIVERED NORMAL YEAR</b>																																		
32 <sub>N</sub>	Input	Water Taken Unbilled	Mld																															
33 <sub>N</sub>	Input	Water Delivered Unmeasured Household	Mld																															
34 <sub>N</sub>	Input	Unmeasured Household - USPL	Mld																															
35 <sub>N</sub>	33 <sub>N</sub> -34 <sub>N</sub>	Unmeasured Household - Consumption	Mld	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>N</sub>	Input	Unmeasured Household - PCC	l/hd																															
37 <sub>N</sub>	Input	Water Delivered Measured Household	Mld																															
38 <sub>N</sub>	Input	Measured Household - USPL	Mld																															
39 <sub>N</sub>	37 <sub>N</sub> -38 <sub>N</sub>	Measured Household - Consumption	Mld	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>N</sub>	Input	Measured Household - PCC	l/hd																															
41 <sub>N</sub>	Input	Water Delivered Unmeasured Non Household	Mld																															
42 <sub>N</sub>	Input	Unmeasured Non Household - USPL	Mld																															
43 <sub>N</sub>	41 <sub>N</sub> -42 <sub>N</sub>	Unmeasured Non Household - Consumption	Mld	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>N</sub>	Input	Water Delivered Measured Non Household	Mld																															
45 <sub>N</sub>	Input	Measured Non Household - USPL	Mld																															
46 <sub>N</sub>	44 <sub>N</sub> -45 <sub>N</sub>	Measured Non Household - Consumption	Mld	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 <sub>N</sub>	Input	Void Properties - USPL	Mld																															
<b>LEAKAGE NORMAL YEAR</b>																																		
48 <sub>N</sub>	Input	Total Leakage	Mld																															
49 <sub>N</sub>	Input	Total Leakage	l/psd																															
<b>SUPPLY DEMAND BALANCE NORMAL YEAR</b>																																		
50 <sub>N</sub>	5 <sub>N</sub> +(8 <sub>N</sub> +13 <sub>N</sub> )-(7 <sub>N</sub> +12 <sub>N</sub> )-10 <sub>N</sub>	Total Water Available For Use	Mld	0.00																														
51 <sub>N</sub>	Input	Available Headroom	Mld																															
52 <sub>N</sub>	Input	Target Headroom	Mld																															
53 <sub>N</sub>	51 <sub>N</sub> -52 <sub>N</sub>	Supply Demand Balance	Mld	0.00																														

Company:	Thames Water
Resource Zone Name:	SWOX
Resource Zone Number:	2 of 6
Planning Scenario Name:	Dry Year Critical Period
Chosen Level of Service:	Company Preferred Level of Service