

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

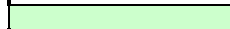
The Guideline and tables are available on the Environment Agency website at www.environment-agency.gov.uk/business/sectors/39687.aspx

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: Guildford
Resource Zone Number: 6 of 6
Planning Scenario Name: Dry Year Annual Average
Chosen Level of Service: Company Preferred Level of Service

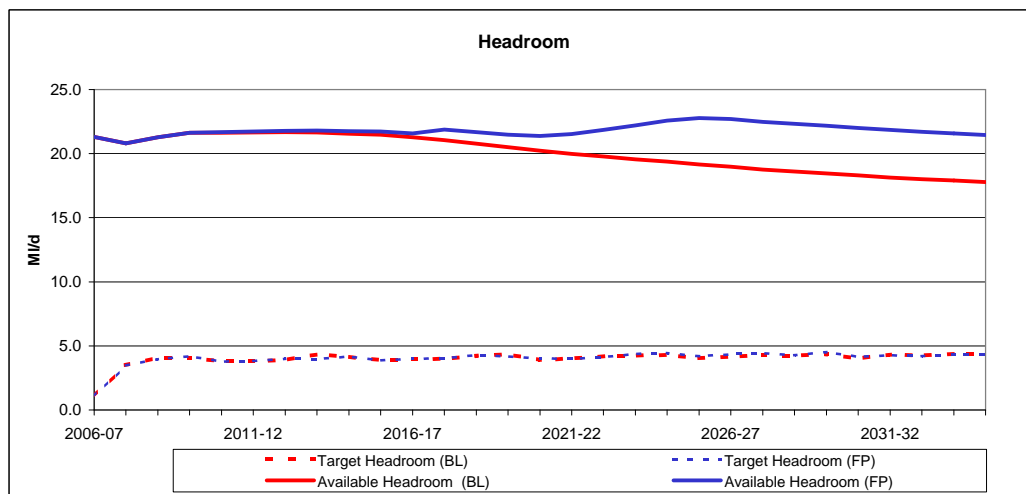
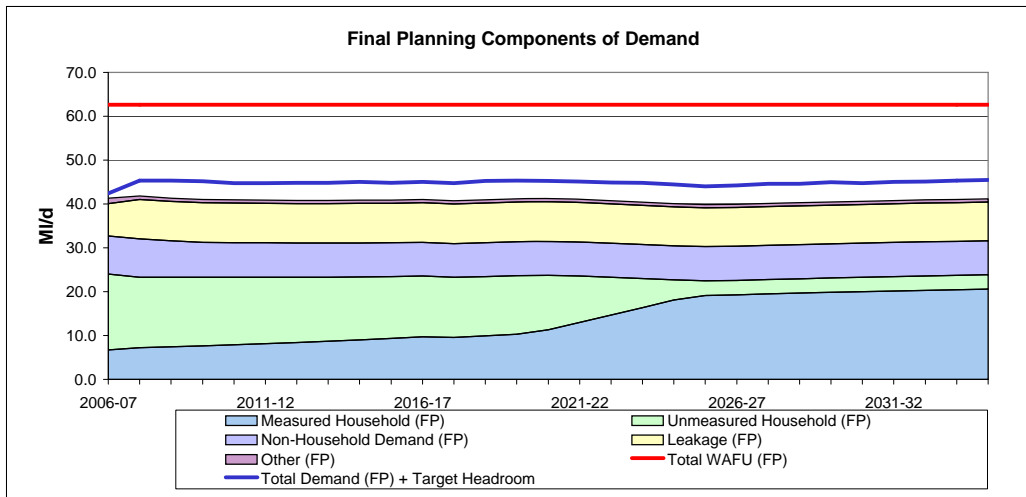
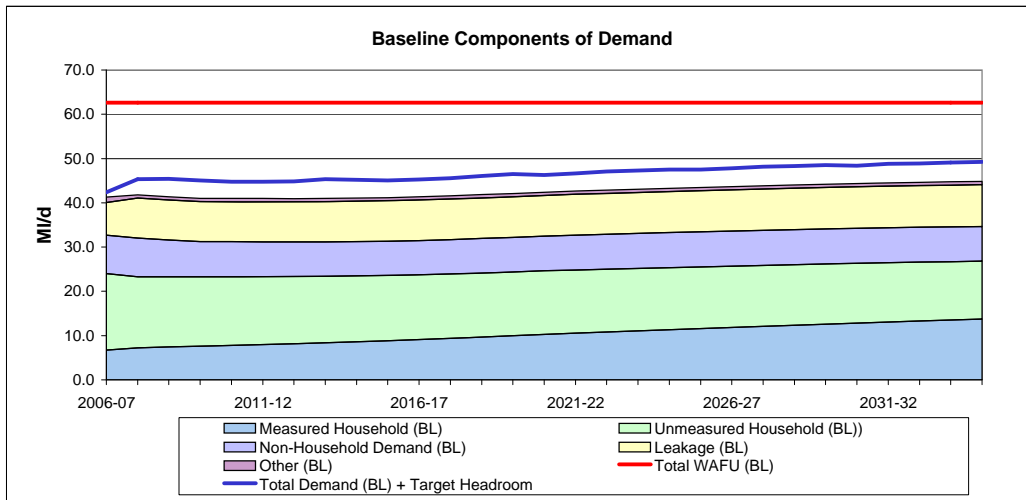
Responsible Officer: Brian Connorton Signed: _____ Dated: _____

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

Workbook contents

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Company:	<u>Thames Water</u>
Resource Zone Name	<u>Guildford</u>
Resource Zone Number:	<u>6 of 6</u>
Planning Scenario Name:	<u>Dry Year Annual Average</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	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	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	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	0.00	0.00		
			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	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	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	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	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	
		to Three Valleys Water Co (Ext)	M/d	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
		to	M/d																																		
		to	M/d																																		
		to	M/d																																		
		to	M/d																																		
13a _{BL}	Input as appropriate	Baseline Potable Water Imported. Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		from South East Water (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	0.00	0.00		
		from	M/d																																		
		from	M/d																																		
		from	M/d																																		
		from	M/d																																		

Company:	<u>Thames Water</u>
Resource Zone Name	<u>Guildford</u>
Resource Zone Number:	<u>6</u> of <u>6</u>
Planning Scenario Name:	<u>Dry Year Annual Average</u>
Chosen Level of Service:	<u>Company Preferred Level of Service</u>

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)		3.39	2010/11	15872.27	7252.74	1602.49	-576.23	231.43	9086.67	52.16	53.62
		Targetted compulsory metering (New Powers)		3.39	2010/11	15872.27	4910.48	1335.41	-576.23	231.43	6477.33	35.72	37.18
		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)		0.14	2010/11	858.32	3252.30	377.70	-14.62	231.43	3861.43	421.22	448.18
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....											
		Mousehill and Rodborough	PR09 GUI 01	1.55	2011	12200.59	234.08	0.00	0.00	223.77	457.85	1.92	3.75
		ASR - Guildford (Abbotswood)	PR09 GUI 02	1.5	2015	11807.03	11049.45	1673.47	0.00	447.06	13169.98	107.76	111.54

Company:	<u>Thames Water</u>
Resource Zone Name	<u>Guildford</u>
Resource Zone Number:	<u>6</u> of <u>6</u>
Planning Scenario Name:	<u>Dry Year Annual Average</u>
Chosen Level of Service:	<u>Company Preferred Level of Service</u>

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	
		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	
		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	
		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	
			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	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	
		to Three Valleys Water Co (Ext)	M/d	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
		to	M/d																															
		to	M/d																															
		to	M/d																															
		to	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	
		from South East Water (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	
		from	M/d																															
		from	M/d																															
		from	M/d																															
		from	M/d																															

Company: Thames Water

Resource Zone Name: Guildford

Resource Zone Number: 6 of 6

Planning Scenario Name: Dry Year Annual Average

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 (M/d)	Critical period deployable output (M/d)	Annual licenced quantity (M/d)	Constraint	Length of record assessed (Years)	Critical event (Year)
5.1	Input	28/39/30/0092B	Ladymead*	GW	9		20.51	L	1992-2007	
5.2	Input	28/39/30/0092C	Dapdune*	GW	8		**	L	1992-2003	
5.3	Input	28/39/30/0092A	Millmead* (Licence Aggregated with Ladymead, Dapdune, and Millmead)	GW	3.5		**	L	1906-2005	
5.4	Input	28/39/30/0088	Netley Mill	GW	4.6		4.56	L	1962-1997	
5.5	Input	28/39/30/0289A	Blackheath Lane* (Disused)	GW	0		6.82	Disused		1964
5.6	Input	28/39/30/0289B	Brook*	GW	2.3		**	L	1964-1997	
5.7	Input	28/39/30/0289C	Cotterells Farm*	GW	1.9		**	L	1964-1997	
5.8	Input	28/39/30/0289D	Shere Heath* (licence aggregated with Blackheath Lane, Brook, Cotterells Farm and Shere Heath)	GW	2.2		**	L	1965-1997	
5.9	Input	28/39/30/0089	Mousehill & *	GW	3.3		5.46		1992-2006	
5.10	Input	28/39/30/0089	Rodborough * (Licence aggregated with Mousehill)	GW	2.2		**	L	1978-2003	
5.11	Input	28/39/30/0086	Sturt Road	GW	1.9		2.84	GWL	1990-2006	1992
5.12	Input	28/39/30/0319	Shalford	SW	26.4		30.00		1954-2007	1956
5.13	Input									
5.14	Input									
5.15	Input									
5.16	Input		* Licenced volume or DO aggregated with another source							
5.17	Input		** Aggregated with the source value above it							
5.18	Input									
5.19	Input		L = Licence							
5.20	Input		Q = Quality							
5.21	Input		P = Pump Size or Depth							
5.22	Input		GWL = Low Groundwater Levels							
5.23	Input		B = Borehole depth or restriction							
5.24	Input		T = Treatment							
5.25	Input		RWL = Rest Water Level							
5.26	Input		PWL = Pumping Water Level							
5.27	Sum (5.1-6.40) Total reconciled DO				65.30	0.00	70.19			

Company:	<u>Thames Water</u>
Resource Zone Name	<u>Guildford</u>
Resource Zone Number:	<u>6</u> of <u>6</u>
Planning Scenario Name:	<u>Dry Year Annual Average</u>
Chosen Level of Service:	<u>Company Preferred Level of Service</u>

Table WRP6: Baseline breakdown of measured households

Row Ref	Derivation	Description	Units	Scenario Year	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
6.1 _{TL}	6.5 _{TL} +6.9 _{TL} +6.13 _{TL} +6.17 _{TL}	Total	Population	000's	40.86	44.98	46.54	47.83	49.18	50.21	51.28	52.64	54.28	55.88	57.81	59.72	61.65	63.61	65.59	67.35	68.83	70.32	71.75	73.23	74.76	76.49	77.98	79.35	80.91	82.58	84.09	85.67	87.26	
6.2 _{TL}	6.6 _{TL} +6.10 _{TL} +6.14 _{TL} +6.18 _{TL} +6.22 _{TL} +6.26 _{TL}	Total	Properties	000's	19.43	20.35	21.12	21.84	22.51	23.06	23.66	24.39	25.22	26.09	27.01	27.92	28.82	29.74	30.68	31.54	32.32	33.08	33.84	34.58	35.40	36.30	37.14	37.92	38.78	39.67	40.46	41.24	42.03	
6.3 _{TL}	6.1 _{TL} /6.2 _{TL}	Total	Occupancy	h/prop	2.10	2.21	2.20	2.19	2.18	2.18	2.17	2.16	2.15	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.13	2.13	2.12	2.12	2.11	2.11	2.10	2.09	2.08	2.08	2.08	2.08	2.08	
6.5 _{TL}	Input	Meter optants	Population	000's		0.58	1.25	1.86	2.42	2.97	3.52	4.07	4.61	5.17	5.72	6.28	6.84	7.40	7.95	8.50	9.05	9.59	10.14	10.68	11.21	11.73	12.25	12.78	13.43	14.10	14.78	15.33		
6.6 _{TL}	Input	Meter optants	Properties	000's		0.37	0.79	1.18	1.53	1.88	2.23	2.58	2.93	3.28	3.63	3.96	4.33	4.68	5.03	5.38	5.73	6.08	6.43	6.78	7.13	7.48	7.83	8.18	8.53	8.88	9.23	9.58		
6.7 _{TL}	6.5 _{TL} /6.6 _{TL}	Meter optants	Occupancy	h/prop	#DIV/0!	#DIV/0!	1.59	1.58	1.59	1.59	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.57	1.57	1.57	1.56	1.58	1.59	1.60	1.60	
6.8 _{TL}	Input	Meter optants	pcc	h/nd		157.23	157.12	156.79	156.54	156.33	156.37	156.38	156.65	156.78	157.21	157.73	158.32	159.06	159.86	160.93	161.96	162.99	164.08	164.41	164.86	165.28	165.60	166.58	166.08	165.59	165.12	165.22		
6.9 _{TL}	Input	New properties	Population	000's		0.95	1.65	2.33	2.80	3.39	4.28	5.41	6.61	7.93	9.26	10.57	11.92	13.31	14.52	15.52	16.48	17.40	18.33	19.40	20.65	21.75	22.70	23.84	25.00	25.96	26.91	27.93		
6.10 _{TL}	Input	New properties	Properties	000's		0.40	0.70	0.99	1.18	1.44	1.82	2.30	2.82	3.38	3.95	4.50	5.07	5.65	6.17	6.60	7.01	7.41	7.81	8.27	8.82	9.32	9.74	10.26	10.80	11.24	11.67	12.10		
6.11 _{TL}	6.9 _{TL} /6.10 _{TL}	New properties	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.36	2.36	2.36	2.36	2.36	2.35	2.35	2.34	2.35	2.35	2.36	2.36	2.35	2.35	2.35	2.35	2.35	2.35	2.34	2.34	2.33	2.32	2.32	2.31	2.31	2.31		
6.12 _{TL}	Input	New properties	pcc	h/nd		144.98	144.89	143.91	142.98	141.73	140.15	138.32	136.76	135.66	134.99	134.74	134.67	134.61	135.14	135.61	136.47	136.47	137.21	137.26	137.35	137.48	137.58	137.48	137.31	137.19	137.64	138.09		
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!	#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																														
6.18 _{TL}	Input	Selective metering	Properties	000's																														
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!	#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!	#DIV/0!
6.24 _{TL}	Input	Compulsory metering	pcc	h/nd																														
6.25 _{TL}	Input	Existing Metering	Population	000's	40.86	44.98	45.01	44.92	44.99	45.00	44.92	44.84	44.81	44.67	44.71	44.74	44.80	44.85	44.89	44.88	44.82	44.80	44.76	44.76	44.69	44.63	44.50	44.40	44.29	44.14	44.03	43.97	44.00	
6.26 _{TL}	Input	Existing Metering	Properties	000's	19.43	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35
6.27 _{TL}	6.25 _{TL} /6.26 _{TL}	Existing Metering	Occupancy	h/prop	2.10	2.21	2.21	2.21	2.21	2.21	2.20	2.20	2.19	2.20	2.20	2.20	2.20	2.21	2.21	2.20	2.20	2.20	2.20	2.20	2.19	2.19	2.18	2.18	2.17	2.16	2.16	2.16		
6.28 _{TL}	Input	Existing Metering	pcc	h/nd	160.33	160.64	160.51	160.35	160.23	160.30	160.51	160.76	161.17	161.43	161.88	162.36	162.90	163.53	164.28	165.13	165.85	166.83	167.47	168.68	169.89	171.16	172.21	172.89	173.77	174.45	174.46	174.10		

Company:	Thames Water
Resource Zone Name:	Guildford
Resource Zone Number:	6 of 6
Planning Scenario Name:	Dry Year Annual Average
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	40.86	44.98	46.54	47.83	49.52	51.21	52.92	54.91	57.15	59.31	61.79	64.23	66.68	69.14	76.36	88.11	99.79	111.84	124.24	131.11	132.00	133.10	133.88	134.58	135.46	136.48	137.24	138.05	138.87
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	19.43	20.35	21.12	21.84	22.66	23.50	24.39	25.40	26.49	27.60	28.74	29.87	30.97	32.08	35.14	40.08	44.93	49.74	54.52	57.11	57.57	58.12	58.62	59.04	59.56	60.10	60.54	60.97	61.40
6.3 _{pp}	6.1 _{pp} /6.2 _{pp}	Total	Occupancy	h/prop	2.10	2.21	2.20	2.19	2.19	2.18	2.17	2.16	2.16	2.15	2.15	2.15	2.15	2.16	2.17	2.20	2.22	2.25	2.28	2.30	2.29	2.29	2.28	2.28	2.27	2.27	2.27	2.26	2.26
6.5 _{pp}	Input	Meter optants	Population	000's		0.58	1.25	1.92	2.59	3.25	3.87	4.48	5.04	5.60	6.14	6.67	7.17	7.66	8.14	8.58	9.14	9.68	9.96	9.95	9.93	9.91	9.88	9.86	9.84	9.83	9.81	9.80	
6.6 _{pp}	Input	Meter optants	Properties	000's		0.37	0.79	1.21	1.63	2.05	2.45	2.84	3.20	3.55	3.89	4.22	4.53	4.84	5.14	5.43	5.71	5.97	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10
6.7 _{pp}	6.5 _{pp} /6.6 _{pp}	Meter optants	Occupancy	h/prop	#DIV/0!	#DIV/0!	1.59	1.58	1.59	1.59	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.60	1.62	1.63	1.63	1.63	1.62	1.62	1.62	1.61	1.61	1.61	1.61	1.61
6.8 _{pp}	Input	Meter optants	pcc	h/nd		157.23	157.12	156.64	156.43	156.27	156.31	156.31	156.55	156.64	149.15	149.54	149.98	150.48	150.96	151.67	151.65	151.61	151.92	152.22	152.64	153.04	153.33	154.29	154.40	154.47	154.52	154.60	
6.9 _{pp}	Input	New properties	Population	000's		0.95	1.65	2.33	2.90	3.39	4.28	5.41	6.61	7.93	9.26	10.57	11.92	13.31	14.52	15.50	16.46	17.38	18.26	19.33	20.58	21.67	22.62	23.76	24.96	25.93	26.89	27.86	
6.10 _{pp}	Input	New properties	Properties	000's		0.40	0.70	0.99	1.18	1.44	1.82	2.30	2.82	3.38	3.95	4.50	5.07	5.65	6.17	6.60	7.01	7.41	7.81	8.27	8.82	9.32	9.74	10.26	10.80	11.24	11.67	12.10	
6.11 _{pp}	6.9 _{pp} /6.10 _{pp}	New properties	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.36	2.36	2.36	2.36	2.36	2.35	2.34	2.35	2.36	2.36	2.36	2.36	2.35	2.35	2.35	2.34	2.34	2.33	2.33	2.32	2.32	2.31	2.31	2.30	2.30		
6.12 _{pp}	Input	New properties	pcc	h/nd		144.96	144.89	143.80	142.91	141.72	140.17	138.35	136.80	135.68	128.24	127.93	127.78	127.76	127.82	128.20	128.56	128.84	128.87	128.96	129.07	129.14	129.04	128.87	128.76	129.16	129.58		
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																													
6.18 _{pp}	Input	Selective metering	Properties	000's																													
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		0.27	0.82	1.37	1.91	2.46	3.00	3.54	4.09	4.64	5.19	5.73	6.28	6.83	7.38	7.93	8.48	9.03	9.58	10.13	10.68	11.23	11.78	12.33	12.88	13.43	13.98	14.53	15.08
6.22 _{pp}	Input	Compulsory metering	Properties	000's		0.11	0.34	0.56	0.78	1.01	1.23	1.46	1.68	1.91	2.13	2.35	2.57	2.80	3.02	3.24	3.46	3.68	3.90	4.12	4.34	4.56	4.78	5.00	5.22	5.44	5.66	5.88	
6.23 _{pp}	6.21 _{pp} /6.22 _{pp}	Compulsory metering	Occupancy	h/prop	#DIV/0!	#DIV/0!	2.45	2.45	2.44	2.44	2.44	2.43	2.43	2.44	2.44	2.44	2.44	2.44	2.44	2.47	2.49	2.52	2.55	2.55	2.54	2.54	2.53	2.52	2.52	2.51	2.51	2.51	
6.24 _{pp}	Input	Compulsory metering	pcc	h/nd		164.96	164.58	164.25	163.94	163.64	163.44	163.23	163.08	162.93	162.78	162.63	162.48	162.33	162.18	162.03	161.88	161.73	161.58	161.43	161.28	161.13	160.98	160.83	160.68	160.53	160.38	160.23	
6.25 _{pp}	Input	Existing Metering	Population	000's	40.86	44.98	45.01	44.92	44.99	45.00	44.92	44.84	44.81	44.67	44.71	44.74	44.80	44.85	44.89	44.89	44.77	44.75	44.72	44.60	44.53	44.47	44.34	44.25	44.15	44.07	43.99	43.93	43.88
6.26 _{pp}	Input	Existing Metering	Properties	000's	19.43	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35
6.27 _{pp}	6.25 _{pp} /6.26 _{pp}	Existing Metering	Occupancy	h/prop	2.10	2.21	2.21	2.21	2.21	2.21	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.21	2.21	2.20	2.20	2.20	2.20	2.19	2.19	2.18	2.17	2.17	2.17	2.16	2.16	2.16	
6.28 _{pp}	Input	Existing Metering	pcc	h/nd	160.33	160.64	160.51	160.13	159.89	159.88	159.98	160.11	160.40	160.49	162.70	162.90	163.12	163.12	149.58	147.09	143.62	141.60	140.13	139.76	138.62	140.09	141.25	142.09	142.77	143.37	143.29	143.06	

Company: Thames Water

Resource Zone Name: Guildford

Resource Zone Number: 6 of 6

Planning Scenario Name: Dry Year Annual Average

Chosen Level of Service: Company Preferred Level of Service

Table WRP7: Baseline household micro-component consumption

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
7.1	Input	Unmeasured toilet flushing	l/h/d	42.68	41.22	40.45	39.75	39.10	38.49	37.92	37.39	36.89	36.43	36.00	35.59	35.22	34.87	34.54	34.24	33.96	33.69	33.45	33.22	33.01	32.82	32.63	32.47	32.31	32.16	32.04	31.92	31.81
7.2	Input	Unmeasured bath use	l/h/d	22.96	21.51	20.84	20.19	19.54	18.88	18.23	17.57	16.91	16.25	15.58	15.43	15.27	15.11	14.96	14.80	14.64	14.49	14.33	14.17	14.02	13.99	13.97	13.95	13.92	13.90	13.89	13.87	13.85
7.3	Input	Unmeasured shower use	l/h/d	28.59	28.57	29.48	30.55	31.61	32.68	33.77	34.85	35.94	37.04	38.14	38.89	39.64	40.39	41.14	41.91	42.68	43.45	44.23	45.01	45.79	46.47	47.16	47.85	48.54	49.24	49.96	50.67	51.38
7.4	Input	Unmeasured hand basin	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	
7.5	Input	Unmeasured clothes washing	l/h/d	17.12	15.99	15.63	15.31	15.03	14.77	14.55	14.35	14.17	14.01	13.87	13.74	13.63	13.53	13.44	13.36	13.29	13.23	13.18	13.13	13.09	13.06	13.03	13.00	12.98	12.97	12.96	12.96	12.95
7.6	Input	Unmeasured dish washing	l/h/d	12.02	11.22	11.20	11.14	11.08	11.02	10.98	10.95	10.91	10.87	10.83	10.80	10.77	10.73	10.70	10.68	10.66	10.64	10.62	10.61	10.60	10.58	10.58	10.57	10.56	10.55	10.55	10.55	10.55
7.7	Input	Unmeasured garden use	l/h/d	23.43	22.54	22.63	22.84	23.01	23.19	23.39	23.58	23.74	23.90	24.01	24.13	24.23	24.31	24.39	24.49	24.60	24.69	24.78	24.87	24.95	25.03	25.11	25.19	25.24	25.28	25.34	25.39	25.43
7.8	Input	Unmeasured car washing	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	
7.9	Input	Unmeasured miscellaneous use	l/h/d	36.26	35.41	35.40	35.44	35.47	35.50	35.53	35.55	35.57	35.60	35.61	35.63	35.64	35.66	35.67	35.68	35.70	35.72	35.73	35.75	35.76	35.77	35.79	35.80	35.81	35.83	35.85	35.87	35.88
7.10	Input	Unmeasured wastage	l/h/d	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
7.11	Input	Unmeasured water efficiency	l/h/d	-0.39	-0.12	-0.25	-0.38	-0.51	-0.64	-0.77	-0.90	-1.02	-1.13	-1.23	-1.31	-1.36	-1.41	-1.44	-1.46	-1.48	-1.49	-1.50	-1.51	-1.53	-1.54	-1.56	-1.58	-1.59	-1.60	-1.62	-1.63	-1.65
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	191.68	185.34	184.38	183.85	183.32	182.90	182.59	182.34	182.11	181.97	181.82	181.90	182.03	182.19	182.41	182.69	183.06	183.43	183.82	184.24	184.69	185.18	185.71	186.25	186.78	187.33	187.97	188.60	189.20
7.20	Input	Measured toilet flushing	l/h/d	37.80	36.94	36.16	35.52	34.92	34.37	33.84	33.34	32.84	32.37	31.90	31.46	31.04	30.65	30.28	29.95	29.65	29.36	29.08	28.82	28.56	28.30	28.05	27.80	27.54	27.27	27.01	26.73	26.46
7.21	Input	Measured bath use	l/h/d	21.85	19.15	18.54	17.88	17.21	16.54	15.87	15.17	14.46	13.74	12.99	12.75	12.51	12.28	12.05	11.83	11.62	11.41	11.20	10.98	10.75	10.64	10.54	10.42	10.28	10.11	9.94	9.76	9.56
7.22	Input	Measured shower use	l/h/d	28.47	29.19	30.16	31.20	32.25	33.30	34.35	35.40	36.43	37.46	38.46	39.07	39.68	40.30	40.93	41.57	42.23	42.89	43.55	44.21	44.86	45.41	45.96	46.50	47.02	47.52	48.02	48.50	48.99
7.23	Input	Measured hand basin	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	
7.24	Input	Measured clothes washing	l/h/d	14.27	13.76	13.27	12.88	12.52	12.21	11.93	11.66	11.40	11.16	10.90	10.66	10.45	10.25	10.06	9.91	9.77	9.64	9.52	9.40	9.28	9.15	9.03	8.90	8.75	8.59	8.42	8.24	8.06
7.25	Input	Measured dish washing	l/h/d	10.13	10.03	10.00	9.96	9.91	9.86	9.83	9.80	9.74	9.68	9.59	9.51	9.43	9.36	9.29	9.25	9.23	9.20	9.16	9.13	9.09	9.03	8.98	8.91	8.82	8.70	8.58	8.44	8.29
7.26	Input	Measured garden use	l/h/d	18.14	16.85	17.89	18.46	18.92	19.37	19.84	20.28	20.67	21.06	21.41	21.77	22.11	22.44	22.77	23.12	23.50	23.84	24.18	24.50	24.81	25.07	25.36	25.62	25.81	25.97	26.13	26.24	26.34
7.27	Input	Measured car washing	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	
7.28	Input	Measured miscellaneous use	l/h/d	32.29	32.10	32.23	32.26	32.28	32.30	32.32	32.31	32.29	32.25	32.19	32.13	32.07	32.01	31.96	31.91	31.89	31.85	31.81	31.77	31.72	31.65	31.58	31.51	31.40	31.28	31.15	31.00	30.84
7.29	Input	Measured wastage	l/h/d	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
7.30	Input	Measured water efficiency	l/h/d	-0.89	-0.28	-0.59	-0.89	-1.19	-1.48	-1.77	-2.06	-2.35	-2.60	-2.80	-2.98	-3.11	-3.21	-3.28	-3.33	-3.35	-3.38	-3.40	-3.44	-3.47	-3.50	-3.54	-3.57	-3.60	-3.63	-3.66	-3.69	-3.71
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	164.65	160.33	160.27	159.87	159.42	159.06	158.80	158.50	158.08	157.72	157.23	156.97	156.79	156.68	156.65	156.81	157.14	157.41	157.70	157.96	158.20	158.35	158.55	158.68	158.62	158.40	158.18	157.83	157.42

Company:	Thames Water
Resource Zone Name	Guildford
Resource Zone Number:	6 of 6
Planning Scenario Name:	Dry Year Annual Average
Chosen Level of Service:	Company Preferred Level of Service

Table WRP7a: Final planning household micro-component consumption

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
7.1	Input	Unmeasured toilet flushing	l/h/d	42.68	41.24	40.48	39.78	39.14	38.55	37.99	37.48	36.99	36.55	36.13	35.74	35.38	35.04	34.89	34.82	34.68	34.68	35.02	34.41	33.17	32.97	32.79	32.62	32.46	32.31	32.18	32.05	31.94
7.2	Input	Unmeasured bath use	l/h/d	22.96	21.53	20.86	20.21	19.57	18.92	18.27	17.61	16.95	16.29	15.63	15.48	15.32	15.17	15.18	15.25	15.23	15.33	15.74	15.20	14.02	13.99	13.97	13.95	13.93	13.90	13.88	13.85	13.83
7.3	Input	Unmeasured shower use	l/h/d	28.59	28.58	29.50	30.56	31.64	32.72	33.80	34.89	35.98	37.08	38.18	38.93	39.68	40.44	41.36	42.35	43.25	44.28	45.62	46.02	45.79	46.47	47.15	47.84	48.54	49.23	49.94	50.64	51.35
7.4	Input	Unmeasured hand basin	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	
7.5	Input	Unmeasured clothes washing	l/h/d	17.12	16.02	15.66	15.35	15.07	14.83	14.60	14.40	14.22	14.06	13.92	13.79	13.68	13.58	13.66	13.81	13.88	14.08	14.62	14.19	13.11	13.07	13.04	13.02	13.00	12.98	12.97	12.96	12.95
7.6	Input	Unmeasured dish washing	l/h/d	12.02	11.25	11.23	11.17	11.11	11.05	10.98	10.92	10.85	10.79	10.73	10.68	10.64	10.60	10.71	10.85	10.89	11.06	11.57	11.18	10.15	10.16	10.18	10.20	10.21	10.23	10.24	10.26	10.28
7.7	Input	Unmeasured garden use	l/h/d	23.43	22.43	22.50	22.71	22.86	22.98	23.11	23.21	23.27	23.35	23.38	23.43	23.48	23.54	23.65	23.72	23.72	23.77	24.18	24.01	23.33	23.47	23.63	23.78	23.91	24.02	24.15	24.26	24.38
7.8	Input	Unmeasured car washing	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	
7.9	Input	Unmeasured miscellaneous use	l/h/d	36.26	35.41	35.40	35.44	35.48	35.52	35.55	35.57	35.59	35.61	35.63	35.65	35.66	35.67	35.85	36.08	36.24	36.50	37.09	36.74	35.75	35.76	35.77	35.79	35.80	35.81	35.83	35.84	35.85
7.10	Input	Measured wastage	l/h/d	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
7.11	Input	Measured water efficiency	l/h/d	-0.39	-0.12	-0.25	-0.38	-0.57	-0.70	-0.80	-0.92	-1.04	-1.14	-1.23	-1.31	-1.37	-1.42	-1.42	-1.35	-1.25	-1.12	-0.97	-0.85	-0.87	-0.88	-0.89	-0.91	-0.92	-0.93	-0.94	-0.96	-0.97
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	191.68	185.34	184.38	183.85	183.29	182.86	182.50	182.16	181.83	181.60	181.37	181.38	181.47	181.62	182.87	184.53	185.65	187.58	191.88	189.89	183.43	184.02	184.64	185.29	185.92	186.56	187.23	187.91	188.60
7.20	Input	Measured toilet flushing	l/h/d	37.80	36.90	36.11	35.48	34.87	34.31	33.77	33.26	32.76	32.29	31.81	30.33	29.91	29.52	29.11	28.72	28.37	28.03	27.71	27.44	27.22	27.01	26.82	26.63	26.43	26.23	26.04	25.84	25.64
7.21	Input	Measured bath use	l/h/d	21.85	19.12	18.51	17.85	17.17	16.48	15.80	15.10	14.38	13.65	12.89	11.61	11.37	11.13	10.85	10.57	10.31	10.05	9.79	9.55	9.37	9.31	9.26	9.20	9.13	9.03	8.94	8.83	8.72
7.22	Input	Measured shower use	l/h/d	28.47	29.16	30.13	31.18	32.21	33.25	34.29	35.33	36.35	37.38	38.38	37.93	38.54	39.16	39.73	40.31	40.91	41.52	42.12	42.77	43.47	44.06	44.67	45.26	45.85	46.42	47.00	47.56	48.12
7.23	Input	Measured hand basin	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	
7.24	Input	Measured clothes washing	l/h/d	14.27	13.70	13.21	12.82	12.45	12.11	11.80	11.52	11.24	10.99	10.73	9.46	9.24	9.05	8.82	8.60	8.42	8.25	8.08	7.95	7.88	7.81	7.75	7.69	7.61	7.52	7.44	7.34	7.24
7.25	Input	Measured dish washing	l/h/d	10.13	9.97	9.94	9.90	9.82	9.72	9.64	9.56	9.47	9.36	9.22	8.06	7.92	7.78	7.60	7.42	7.28	7.11	6.93	6.82	6.81	6.79	6.78	6.76	6.73	6.67	6.62	6.55	6.48
7.26	Input	Measured garden use	l/h/d	18.14	17.06	18.12	18.68	19.16	19.62	20.10	20.53	20.90	21.25	21.54	20.54	20.76	20.96	21.01	20.99	21.00	20.96	20.86	20.90	21.14	21.34	21.57	21.78	21.95	22.08	22.22	22.34	22.44
7.27	Input	Measured car washing	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	
7.28	Input	Measured miscellaneous use	l/h/d	32.29	32.10	32.23	32.26	32.27	32.28	32.28	32.27	32.23	32.20	32.13	30.99	30.92	30.86	30.76	30.64	30.55	30.46	30.36	30.30	30.29	30.27	30.26	30.24	30.20	30.14	30.09	30.01	29.93
7.29	Input	Measured wastage	l/h/d	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
7.30	Input	Measured water efficiency	l/h/d	-0.89	-0.28	-0.59	-0.89	-1.31	-1.53	-1.72	-1.94	-2.14	-2.30	-2.42	-2.50	-2.55	-2.58	-2.61	-2.64	-2.66	-2.67	-2.68	-2.62	-2.66	-2.70	-2.74	-2.78	-2.82	-2.86	-2.90	-2.94	
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	164.65	160.33	160.27	159.87	159.24	158.83	158.56	158.24	157.79	157.41	156.88	149.00	148.71	148.47	147.88	147.21	146.79	146.31	145.79	145.71	146.12	146.48	146.97	147.38	147.67	147.84	148.04	148.14	148.20

Company:	Thames Water
Resource Zone Name	Guildford
Resource Zone Number:	6 of 6
Planning Scenario Name:	Dry Year Annual Average
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	0.85	0.98	1.00	0.96	0.93	0.91	0.88	0.85	0.83	0.80	0.78	0.78	0.78	0.78	0.77	0.77	0.76	0.75	0.73	0.72	0.70	0.69	0.67	0.66	0.65	0.63	0.62	0.61		
8.2	Input	Extraction of metals, minerals and energy producing materials	B5, B6, B7, B8, B9	M/d	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8.3	Input	Food and drink (manufacture)	C10, C11, C12	M/d	0.20	0.22	0.19	0.17	0.16	0.15	0.14	0.14	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11		
8.4	Input	Textile, fur and leather (manufacture)	C13, C14, C15	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		
8.5	Input	Other manufacturing	C16, C26, C27, C31, C32, C33	M/d	0.09	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	
8.6	Input	Paper (manufacture)	C17, C18	M/d	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
8.7	Input	Fuel refining	C19	M/d	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.8	Input	Chemicals, rubbers, plastics and man-made material (manufacture)	C20, C21, C22	M/d	0.43	0.57	0.53	0.50	0.49	0.47	0.46	0.46	0.45	0.44	0.44	0.43	0.43	0.42	0.42	0.41	0.41	0.40	0.40	0.39	0.39	0.38	0.38	0.37	0.37	0.36	0.35	0.35	0.35	
8.9	Input	Manufacture of non-metallic minerals	C23	M/d	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.10	Input	Manufacture of basic metals, fabricated metal products and	C24, C25, C28, C29	M/d	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
8.11	Input	Transportation and manufacture of transport equipment	C30, H49, H50, H51, H52, H53	M/d	0.23	0.24	0.22	0.20	0.20	0.19	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	
8.12	Input	Electricity, gas and water supplies	D35, E36, E37, E38, E39	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	
8.13	Input	Construction	F41, F42, F43	M/d	0.09	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
8.14	Input	Wholesale and retail	G45, G46, G47	M/d	0.66	0.60	0.57	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
8.15	Input	Hotels, bars and restaurants	I55, I56	M/d	1.03	0.91	0.86	0.81	0.81	0.83	0.83	0.84	0.85	0.86	0.88	0.89	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.05	1.07	1.09	1.10	1.12	1.14	1.15	1.17	1.18	1.18	
8.16	Input	Other services	J, K, L, M, N, O, R, S, T, U	M/d	2.83	2.76	2.59	2.49	2.47	2.47	2.48	2.49	2.49	2.50	2.50	2.51	2.51	2.52	2.52	2.53	2.53	2.54	2.54	2.55	2.55	2.55	2.55	2.54	2.54	2.54	2.54	2.54	2.53	2.53
8.17	Input	Education and Health	P, Q	M/d	1.89	1.84	1.73	1.69	1.69	1.70	1.71	1.71	1.72	1.72	1.72	1.73	1.74	1.75	1.75	1.76	1.77	1.78	1.79	1.80	1.81	1.82	1.82	1.81	1.81	1.81	1.81	1.81	1.81	
8.18	Input			M/d																														
8.19	Input			M/d																														
8.20	Input			M/d																														

Company:	<u>Thames Water</u>
Resource Zone Name	<u>Guildford</u>
Resource Zone Number:	<u>6</u> of <u>6</u>
Planning Scenario Name:	<u>Dry Year Annual Average</u>
Chosen Level of Service:	<u>Company Preferred Level of Service</u>

