

Water Resources Planning Guideline supply-demand workbook - Version 2.6

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: Essex & Suffolk Water
Resource Zone Name Suffolk Blyth
Resource Zone Number: 2 of 4
Planning Scenario Name: Dry Year (except where stated otherwise)
Chosen Level of Service: Company Specified

Responsible Officer: Martin Lunn

Signed: M. Lunn

Dated: January 2010

Version: **Final**

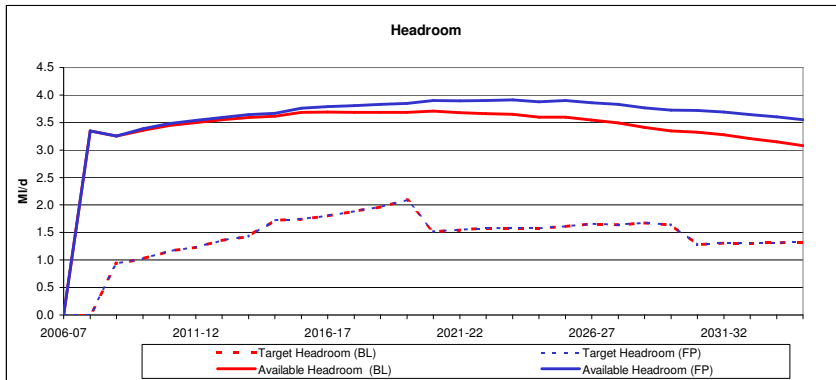
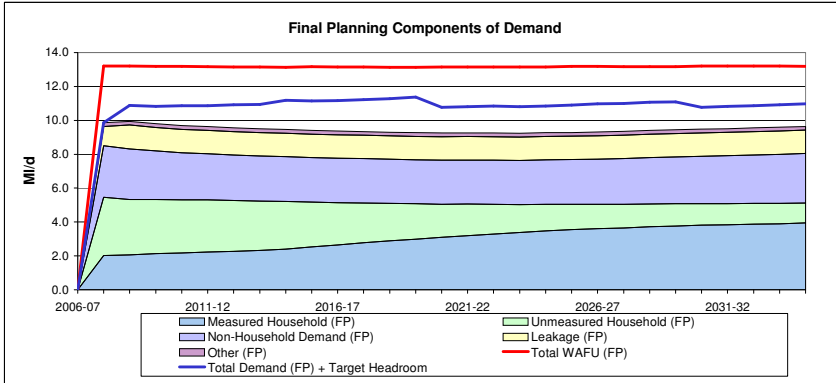
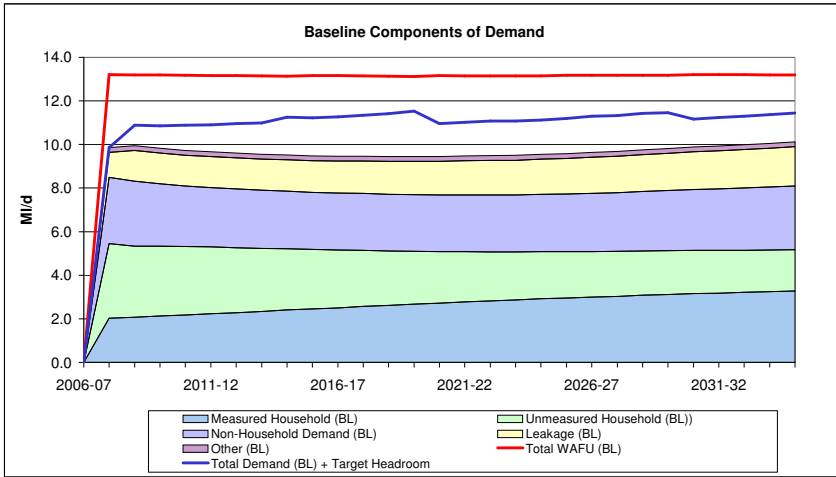
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Workbook contents

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Summary graphs of WRP tables input data

DERIVATION	DESCRIPTION	UNITS	2006-07	2007-08	2008-09	2009-10	2010-11	
SUPPLY								
50BL	Total WAFU (BL)	MI/d	0.00	13.21	13.20	13.19	13.18	
50FP	Total WAFU (FP)	MI/d	0.00	13.21	13.20	13.19	13.18	
DEMAND								
35BL	Unmeasured Household (BL)	MI/d	0.00	3.43	3.26	3.20	3.14	
35FP	Unmeasured Household (FP)	MI/d	0.00	3.43	3.26	3.20	3.14	
39BL	Measured Household (BL)	MI/d	0.00	2.03	2.07	2.13	2.17	
39FP	Measured Household (FP)	MI/d	0.00	2.03	2.07	2.13	2.17	
43BL+46BL	Non-Household Demand (BL)	MI/d	0.00	3.04	2.99	2.86	2.78	
43FP+46FP	Non-Household Demand (FP)	MI/d	0.00	3.04	2.99	2.86	2.78	
48BL	Leakage (BL)	MI/d	0.00	1.14	1.40	1.41	1.41	
48FP	Leakage (FP)	MI/d	0.00	1.14	1.40	1.38	1.38	
14BL-(35BL+39BL+43BL+46BL+48BL)	Other (BL)	MI/d	0.00	0.23	0.22	0.22	0.22	
14FP-(35FP+39FP+43FP+46FP+48FP)	Other (FP)	MI/d	0.00	0.23	0.22	0.22	0.22	
Total Demand (BL) + Target Headroom			MI/d	0.00	9.86	10.88	10.85	10.89
Total Demand (FP) + Target Headroom and Suffolk			MI/d	0.00	9.86	10.88	10.83	10.86
SUPPLY-DEMAND BALANCE								
52BL	Target Headroom (BL)	1 of 1	0.00	0.00	0.94	1.02	1.16	
52FP	Target Headroom (FP)	MI/d	0.00	0.00	0.94	1.02	1.16	
Total Supply - Total Demand			MI/d	0.00	3.35	3.25	3.36	3.45
Total Supply - Total Demand			MI/d	0.00	3.35	3.25	3.39	3.48



Company:	Essex & Suffolk Water
Resource Zone Name	Suffolk Blyth
Resource Zone Number:	2 of 4
Planning Scenario Name:	Dry Year (except where stated otherwise)
Chosen Level of Service:	Company Specified

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	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 _{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		
		none	M/d																															
			M/d																															
			M/d																															
			M/d																															
7a _{BL}	Input as appropriate	Baseline Raw Water Exported (existing). Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	M/d																															
		to	M/d																															
		to	M/d																															
8a _{BL}	Input as appropriate	Baseline Raw Water Imported (existing). Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		from	M/d																															
		from	M/d																															
		from	M/d																															
10a _{BL}	Input as appropriate	Baseline Non Potable Supplies (existing). Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	M/d																															
		to	M/d																															
		to	M/d																															
12a _{BL}	Input as appropriate	Baseline Potable Water Exported. Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	M/d																															
		to	M/d																															
		to	M/d																															
13a _{BL}	Input as appropriate	Baseline Potable Water Imported. Total here and specify below	M/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		from	M/d																															
		from	M/d																															
		from	M/d																															

Company:	Essex & Suffolk Water
Resource Zone Name:	Suffolk Blyth
Resource Zone Number:	2 of 4
Planning Scenario Name:	Dry Year (except where stated otherwise)
Chosen Level of Service:	Company Specified

Table WRP2: Feasible list of water management options

ROW Ref.	DERIVATION	OPTION DESCRIPTION <i>[Insert / delete non-numbered lines to suit]</i>	WATER MANAGEMENT OPTION COST AND SOLUTION - TO BE COMPLETED FOR ALL FEASIBLE OPTIONS										
			OPTION REFERENCE No.	WAFU ON FULL IMPLEMENTATION (MI/d)	EARLIEST POTENTIAL OPTION START DATE (YEAR)	NPV of WAFU (MI)	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....											
		none											
55	Input as appropriate	Distribution Side Management, Specify Below....											
		none											
56	Input as appropriate	Production Side Management, Specify Below....											
		none											
57	Input as appropriate	Resource Management, Specify Below....											
		none											

Company:	<u>Essex & Suffolk Water</u>
Resource Zone Name	<u>Suffolk Blyth</u>
Resource Zone Number:	<u>2 of 4</u>
Planning Scenario Name:	<u>Dry Year (except where stated otherwise)</u>
Chosen Level of Service:	<u>Company Specified</u>

Table WRP4-FP: Final planning supply-demand components

ROW Ref.	DERIVATION	DESCRIPTION	UNITS	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35		
BASIC RESOURCES FINAL PLANNING																																	
1 _{FP}	WRP1-BL 1 _{BL} + WRP3 65	Deployable Output	MI/d	14.69	14.68	14.67	14.66	14.65	14.64	14.63	14.62	14.61	14.60	14.59	14.57	14.56	14.56	14.55	14.55	14.55	14.55	14.54	14.54	14.54	14.53	14.53	14.53	14.53	14.52	14.52	14.52		
2 _{FP}	WRP4a-FP 2a _{FP}	Reductions in Deployable Output	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
3 _{FP}	Input	Outage Allowance	MI/d	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09			
4 _{FP}	9 _{FP} +11 _{FP}	Process Losses	MI/d	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.35	0.35	0.35	0.35	0.31	0.31	0.31	0.31	0.31	0.27	0.27	0.27	0.27	0.27	0.23	0.23	0.23	0.23			
5 _{FP}	1 _{FP} -(2 _{FP} +3 _{FP} +4 _{FP})	Water Available For Use (own sources)	MI/d	13.21	13.20	13.19	13.18	13.17	13.16	13.15	13.14	13.17	13.16	13.15	13.14	13.13	13.16	13.16	13.15	13.15	13.15	13.18	13.18	13.18	13.17	13.17	13.21	13.20	13.20	13.20	13.19		
RAW WATER FINAL PLANNING																																	
6 _{FP}	Input	Raw Water Abstracted	MI/d	9.43	9.51	9.38	9.27	9.21	9.15	9.09	9.06	8.99	8.96	8.93	8.90	8.87	8.85	8.86	8.85	8.84	8.87	8.88	8.91	8.94	9.00	9.03	9.07	9.10	9.14	9.18	9.22		
7 _{FP}	WRP4a-FP 7a _{FP}	Raw Water Exported	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
8 _{FP}	WRP4a-FP 8a _{FP}	Raw Water Imported	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
9 _{FP}	Input	Raw Water Losses and Operational Use	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
10 _{FP}	WRP4a-FP 10a _{FP}	Non Potable Supplies	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
POTABLE WATER TO POINT OF DELIVERY FINAL PLANNING																																	
11 _{FP}	Input	Treatment Works Losses and Operational Use	MI/d	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.35	0.35	0.35	0.35	0.35	0.31	0.31	0.31	0.31	0.31	0.27	0.27	0.27	0.27	0.27	0.23	0.23	0.23	0.23			
12 _{FP}	WRP4a-FP 12a _{FP}	Potable Water Exported	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
13 _{FP}	WRP4a-FP 13a _{FP}	Potable Water Imported	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
14 _{FP}	Input	Distribution Input	MI/d	9.86	9.95	9.80	9.70	9.63	9.56	9.51	9.47	9.40	9.36	9.34	9.30	9.28	9.26	9.26	9.25	9.24	9.27	9.28	9.32	9.35	9.40	9.44	9.49	9.51	9.56	9.59	9.64		
15 _{FP}	Input	Distribution Losses	MI/d	0.84	1.14	1.11	1.11	1.11	1.12	1.12	1.11	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12	1.12	1.12			
16 _{FP}	Input	Distribution System Operational Use	MI/d	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
17 _{FP}	14 _{FP} -15 _{FP} -16 _{FP}	Water Delivered	MI/d	8.95	8.74	8.62	8.51	8.44	8.38	8.32	8.28	8.22	8.18	8.15	8.11	8.08	8.06	8.07	8.06	8.04	8.07	8.09	8.12	8.15	8.21	8.25	8.29	8.32	8.36	8.40	8.45		
POTABLE WATER CUSTOMER USE FINAL PLANNING																																	
18 _{FP}	Input	Unmeasured Household - Population	000's	22.16	21.32	21.02	20.70	20.32	19.83	19.31	18.76	17.74	16.78	15.86	14.94	14.10	13.33	12.63	12.00	11.35	10.71	10.33	9.97	9.69	9.36	9.10	8.85	8.70	8.52	8.37	8.15		
19 _{FP}	Input	Unmeasured Household - Properties	000's	7.15	6.93	6.76	6.61	6.46	6.31	6.16	6.01	5.44	5.17	4.91	4.66	4.43	4.23	4.03	3.84	3.65	3.52	3.44	3.36	3.28	3.20	3.13	3.09	3.04	2.99	2.92			
20 _{FP}	18 _{FP} /19 _{FP}	Unmeasured Household - Occupancy Rate	h/pr	3.10	3.08	3.11	3.13	3.15	3.14	3.13	3.12	3.11	3.09	3.07	3.04	3.03	3.01	2.99	2.98	2.96	2.93	2.90	2.88	2.85	2.84	2.82	2.80	2.80	2.80	2.77			
21 _{FP}	WRP6a-6.1 _{FP}	Measured Household - Population	000's	15.526	15.927	16.454	16.867	17.332	17.794	18.331	19.008	19.426	19.838	20.377	20.794	21.272	21.654	22.180	22.581	23.031	23.567	23.845	24.152	24.460	24.891	25.177	25.496	25.710	25.960	26.252	26.542		
22 _{FP}	WRP6a-6.2 _{FP}	Measured Household - Properties	000's	8.484	8.689	8.957	9.168	9.398	9.627	9.885	10.205	10.406	10.598	10.842	11.036	11.256	11.442	11.672	11.851	12.049	12.284	12.421	12.546	12.670	12.847	12.963	13.127	13.215	13.317	13.437	13.556		
23 _{FP}	21 _{FP} /22 _{FP}	Measured Household - Occupancy Rate	h/pr	1.83	1.83	1.84	1.84	1.84	1.85	1.85	1.86	1.87	1.88	1.88	1.89	1.90	1.91	1.91	1.92	1.92	1.93	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.95	1.96			
24 _{FP}	Input	Unmeasured Non Household - Population	000's	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
25 _{FP}	Input	Unmeasured Non Household - Properties	000's	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003			
26 _{FP}	Input	Measured Non Household - Population	000's	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315	0.315			
27 _{FP}	Input	Measured Non Household - Properties	000's	1.409	1.412	1.420	1.429	1.438	1.446	1.455	1.463	1.472	1.481	1.489	1.498	1.506	1.515	1.524	1.532	1.541	1.549	1.558	1.566	1.575	1.583	1.592	1.600	1.609	1.617	1.625	1.634		
28 _{FP}	18 _{FP} +21 _{FP} +24 _{FP} +26 _{FP}	Total Population	000's	37.997	37.565	37.789	37.883	37.964	37.941	37.957	38.085	37.485	36.936	36.553	36.051	35.689	35.300	35.129	34.894	34.696	34.593	34.435	34.460	34.564	34.587	34.657	34.728	34.797	34.833	34.933	35.011		
29 _{FP}	Input	Void Households	000's	0.546	0.651	0.655	0.657	0.661	0.664	0.669	0.676	0.679	0.683	0.690	0.694	0.699	0.703	0.710	0.715	0.721	0.728	0.732	0.737	0.741	0.748	0.752	0.759	0.762	0.766	0.770			
30 _{FP}	Input	Void Non Households	000's	0.135	0.141	0.142	0.143	0.144	0.145	0.146	0.146	0.147	0.148	0.149	0.150	0.151	0.151	0.152	0.153	0.154	0.155	0.156	0.157	0.157	0.158	0.159	0.160	0.161	0.162	0.162			
30.1 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP})	Total Household Metering penetration (excl. voids)	%	54%	56%	57%	58%	59%	60%	62%	63%	65%	66%	68%	69%	71%	72%	73%	75%	76%	77%	78%	79%	80%	80%	81%	81%	81%	82%	82%			
30.2 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP} +29 _{FP})	Total Household Metering penetration (incl. voids)	%	52%	53%	55%	56%	57%	58%	59%	60%	62%	63%	65%	66%	68%	69%	70%	71%	73%	74%	75%	76%	76%	77%	77%	77%	78%	78%	78%			
31 _{FP}	19 _{FP} +22 _{FP} +25 _{FP} +27 _{FP} +29 _{FP} +30 _{FP}	Total Properties	000's	17.727	17.827	17.941	18.005	18.101	18.194	18.319	18.506	18.418	18.351	18.345	18.294	18.276	18.247	18.288	18.283	18.305	18.371	18.391	18.448	18.506	18.619	18.667	18.783	18.836	18.904	18.990	19.076		
POTABLE WATER DELIVERED FINAL PLANNING																																	
32 _{FP}	Input	Water Taken Unbilled	MI/d	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17			
33 _{FP}	Input	Water Delivered Unmeasured Household	MI/d	3.58	3.41	3.34	3.28	3.21	3.12																								

Table WRP4a-FP: Final planning WRP4a supporting transfer and DO reduction data

ROW Ref.	DERIVATION	DESCRIPTION <i>(insert / delete non-numbered lines to suit)</i>	UNITS	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
2a _{FP}	Input as appropriate	Reductions in Final Planning Deployable Output. Total here and specify below	Ml/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		none	Ml/d																														
			Ml/d																														
			Ml/d																														
			Ml/d																														
7a _{FP}	Input as appropriate	Final Planning Raw Water Exported. Total here and specify below	Ml/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	Ml/d																														
		to	Ml/d																														
		to	Ml/d																														
8a _{FP}	Input as appropriate	Final Planning Raw Water Imported. Total here and specify below	Ml/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		from	Ml/d																														
		from	Ml/d																														
		from	Ml/d																														
10a _{FP}	Input as appropriate	Final Planning Non Potable Supplies. Total here and specify below	Ml/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	Ml/d																														
		to	Ml/d																														
		to	Ml/d																														
12a _{FP}	Input as appropriate	Final Planning Potable Water Exported. Total here and specify below	Ml/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		to	Ml/d																														
		to	Ml/d																														
		to	Ml/d																														
13a _{FP}	Input as appropriate	Final Planning Potable Water Imported. Total here and specify below	Ml/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
		from	Ml/d																														
		from	Ml/d																														
		from	Ml/d																														

Company:	<u>Essex & Suffolk Water</u>
Resource Zone Name	<u>Suffolk Blyth</u>
Resource Zone Number:	<u>2 of 4</u>
Planning Scenario Name:	<u>Dry Year (except where stated otherwise)</u>
Chosen Level of Service:	<u>Company Specified</u>

Table WRP6: Baseline breakdown of measured households

Row Ref	Derivation	Description	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35			
6.1 _{BL}	6.5 _{BL} +6.9 _{BL} +6.13 _{BL} +6.17 _{BL} +6.21 _{BL} +6.25 _{BL}	Total	Population	000's	0.00	15.53	15.93	16.45	16.87	17.33	17.79	18.33	19.01	19.45	19.88	20.44	20.88	21.38	21.78	22.31	22.72	23.18	23.72	24.01	24.33	24.65	25.10	25.40	25.73	25.96	26.22	26.53	26.83		
6.2 _{BL}	6.6 _{BL} +6.10 _{BL} +6.14 _{BL} +6.18 _{BL} +6.22 _{BL} +6.26 _{BL}	Total	Properties	000's	0.00	8.48	8.69	8.96	9.17	9.40	9.63	9.89	10.20	10.42	10.62	10.88	11.09	11.32	11.51	11.75	11.93	12.13	12.37	12.51	12.65	12.78	12.96	13.09	13.26	13.36	13.47	13.59	13.72		
6.3 _{BL}	6.1 _{BL} /6.2 _{BL}	Total	Occupancy	h/prop	#DIV/0!	1.83	1.83	1.84	1.84	1.84	1.85	1.85	1.86	1.87	1.87	1.88	1.88	1.89	1.89	1.90	1.90	1.91	1.92	1.92	1.93	1.94	1.94	1.94	1.94	1.95	1.95	1.96			
6.5 _{BL}	Input	Meter optants	Population	000's	0.00	0.33	0.63	0.90	1.16	1.42	1.67	1.93	2.15	2.34	2.52	2.71	2.90	3.05	3.16	3.28	3.39	3.51	3.58	3.62	3.65	3.68	3.72	3.75	3.78	3.82	3.85	3.89			
6.6 _{BL}	Input	Meter optants	Properties	000's	0.00	0.20	0.37	0.54	0.69	0.84	1.00	1.15	1.28	1.39	1.50	1.61	1.72	1.81	1.88	1.95	2.02	2.09	2.13	2.15	2.17	2.19	2.21	2.21	2.23	2.25	2.27	2.29	2.31		
6.7 _{BL}	6.5 _{BL} /6.6 _{BL}	Meter optants	Occupancy	h/prop	#DIV/0!	0.00	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68		
6.8 _{BL}	Input	Meter optants	pcc	l/h/d	0.00	130.82	130.24	129.69	129.38	128.90	128.44	128.02	127.61	127.25	126.87	126.57	126.19	125.70	125.39	124.73	124.16	124.05	123.69	123.63	123.51	123.49	123.35	123.10	122.93	122.85	122.83	123.01			
6.9 _{BL}	Input	New properties	Population	000's	0.00	0.22	0.48	0.61	0.82	1.03	1.31	1.73	1.95	2.19	2.57	2.82	3.13	3.38	3.79	4.08	4.42	4.85	5.05	5.33	5.61	6.02	6.28	6.57	6.76	6.98	7.24	7.50			
6.10 _{BL}	Input	New properties	Properties	000's	0.00	0.09	0.20	0.25	0.34	0.42	0.54	0.72	0.80	0.91	1.06	1.17	1.29	1.41	1.58	1.70	1.84	2.02	2.12	2.24	2.36	2.53	2.64	2.80	2.88	2.97	3.08	3.19			
6.11 _{BL}	6.9 _{BL} /6.10 _{BL}	New properties	Occupancy	h/prop	#DIV/0!	0.00	2.45	2.44	2.44	2.43	2.43	2.43	2.42	2.42	2.42	2.42	2.40	2.40	2.40	2.40	2.40	2.40	2.38	2.38	2.38	2.38	2.38	2.35	2.35	2.35	2.35	2.35			
6.12 _{BL}	Input	New properties	pcc	l/h/d	0.00	146.42	146.79	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62			
6.13 _{BL}	Input	Metering on change of occupancy (Selectives)	Population	000's																															
6.14 _{BL}	Input	Metering on change of occupancy (Selectives)	Properties	000's																															
6.15 _{BL}	6.13 _{BL} /6.14 _{BL}	Metering on change of occupancy (Selectives)	Occupancy	h/prop	#DIV/0!																														
6.16 _{BL}	Input	Metering on change of occupancy (Selectives)	pcc	l/h/d																															
6.17 _{BL}	Input		Population	000's																															
6.18 _{BL}	Input		Properties	000's																															
6.19 _{BL}	6.17 _{BL} /6.18 _{BL}		Occupancy	h/prop																															
6.20 _{BL}	Input		pcc	l/h/d																															
6.21 _{BL}	Input	Compulsory metering	Population	000's																															
6.22 _{BL}	Input	Compulsory metering	Properties	000's																															
6.23 _{BL}	6.21 _{BL} /6.22 _{BL}	Compulsory metering	Occupancy	h/prop																															
6.24 _{BL}	Input	Compulsory metering	pcc	l/h/d																															
6.25 _{BL}	Input	Existing metering	Population	000's	15.53	15.37	15.35	15.35	15.35	15.35	15.35	15.34	15.35	15.35	15.35	15.35	15.35	15.36	15.36	15.36	15.37	15.37	15.38	15.38	15.39	15.40	15.40	15.41	15.42	15.43	15.44	15.44			
6.26 _{BL}	Input	Existing metering	Properties	000's	8.48	8.40	8.39	8.38	8.37	8.36	8.35	8.34	8.33	8.32	8.31	8.31	8.30	8.29	8.28	8.28	8.27	8.26	8.26	8.25	8.25	8.24	8.24	8.23	8.23	8.22	8.22	8.21			
6.27 _{BL}	6.25 _{BL} /6.26 _{BL}	Existing metering	Occupancy	h/prop	#DIV/0!	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85	1.85	1.86	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.87	1.87	1.88	1.88	1.88			
6.28 _{BL}	Input	Existing metering	pcc	l/h/d	130.27	129.34	128.93	128.50	128.23	127.41	126.61	125.84	125.19	124.54	123.93	123.36	122.78	122.10	121.47	120.67	119.91	119.43	118.89	118.46	118.02	117.62	117.18	116.73	116.30	115.91	115.54	115.32			

Company:	<u>Essex & Suffolk Water</u>
Resource Zone Name:	<u>Suffolk Blyth</u>
Resource Zone Number:	<u>2 of 4</u>
Planning Scenario Name:	<u>Dry Year (except where stated otherwise)</u>
Chosen Level of Service:	<u>Company Specified</u>

Table WRP6a: Final planning breakdown of measured households

Row Ref	Derivation	Description	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35			
6.1 _{FP}	6.5 _{FP} +6.9 _{FP} +6.13 _{FP} +6.17 _{FP} +6.21 _{FP} +6.25 _{FP}	Total	Population	000's	0.00	15.53	15.93	16.45	16.87	17.33	17.79	18.33	19.01	19.43	19.84	20.38	20.79	21.27	21.65	22.18	22.58	23.03	23.57	23.85	24.15	24.46	24.89	25.18	25.50	25.71	25.96	26.25	26.54		
6.2 _{FP}	6.6 _{FP} +6.10 _{FP} +6.14 _{FP} +6.18 _{FP} +6.22 _{FP} +6.26 _{FP}	Total	Properties	000's	0.00	8.48	8.69	8.96	9.17	9.40	9.63	9.89	10.20	10.41	10.60	10.84	11.04	11.26	11.44	11.67	11.85	12.05	12.28	12.42	12.55	12.67	12.85	12.96	13.13	13.21	13.32	13.44	13.56		
6.3 _{FP}	6.1 _{FP} /6.2 _{FP}	Total	Occupancy	h/prop	#DIV/0!	1.83	1.83	1.84	1.84	1.84	1.85	1.85	1.86	1.87	1.87	1.88	1.88	1.89	1.89	1.90	1.91	1.91	1.92	1.92	1.93	1.93	1.94	1.94	1.95	1.95	1.95	1.96			
6.5 _{FP}	Input	Meter optants	Population	000's		0.00	0.33	0.63	0.90	1.16	1.42	1.67	1.93	2.14	2.32	2.49	2.66	2.84	2.98	3.09	3.21	3.32	3.44	3.50	3.53	3.55	3.57	3.59	3.61	3.63	3.66	3.68	3.70		
6.6 _{FP}	Input	Meter optants	Properties	000's		0.00	0.20	0.37	0.54	0.69	0.84	1.00	1.15	1.28	1.38	1.48	1.59	1.69	1.77	1.84	1.91	1.98	2.05	2.09	2.10	2.11	2.12	2.14	2.15	2.16	2.18	2.19	2.20		
6.7 _{FP}	6.5 _{FP} /6.6 _{FP}	Meter optants	Occupancy	h/prop	#DIV/0!	0.00	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68		
6.8 _{FP}	Input	Meter optants	pcc	l/h/d		0.00	130.82	130.24	129.69	129.38	128.90	128.44	128.02	127.63	127.29	126.94	126.67	126.29	125.81	125.46	124.78	124.13	124.10	123.75	123.79	123.65	123.64	123.47	123.23	122.98	122.86	122.69	122.95		
6.9 _{FP}	Input	New properties	Population	000's		0.00	0.22	0.48	0.61	0.82	1.03	1.31	1.73	1.95	2.19	2.57	2.82	3.13	3.37	3.78	4.07	4.41	4.83	5.04	5.32	5.60	6.01	6.26	6.56	6.74	6.96	7.22	7.48		
6.10 _{FP}	Input	New properties	Properties	000's		0.00	0.09	0.20	0.25	0.34	0.42	0.54	0.72	0.80	0.91	1.06	1.16	1.29	1.40	1.58	1.70	1.84	2.01	2.12	2.23	2.35	2.52	2.63	2.79	2.87	2.96	3.07	3.18		
6.11 _{FP}	6.9 _{FP} /6.10 _{FP}	New properties	Occupancy	h/prop	#DIV/0!	0.00	2.45	2.44	2.44	2.43	2.43	2.43	2.42	2.42	2.42	2.42	2.42	2.42	2.40	2.40	2.40	2.40	2.40	2.38	2.38	2.38	2.38	2.38	2.35	2.35	2.35	2.35	2.35		
6.12 _{FP}	Input	New properties	pcc	l/h/d		0.00	146.42	146.79	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62	129.62		
6.13 _{FP}	Input	Metering on change of occupancy (Selectives)	Population	000's																															
6.14 _{FP}	Input	Metering on change of occupancy (Selectives)	Properties	000's																															
6.15 _{FP}	6.13 _{FP} /6.14 _{FP}	Metering on change of occupancy (Selectives)	Occupancy	h/prop	#DIV/0!																														
6.16 _{FP}	Input	Metering on change of occupancy (Selectives)	pcc	l/h/d																															
6.17 _{FP}	Input		Population	000's																															
6.18 _{FP}	Input		Properties	000's																															
6.19 _{FP}	6.17 _{FP} /6.18 _{FP}		Occupancy	h/prop	#DIV/0!																														
6.20 _{FP}	Input		pcc	l/h/d																															
6.21 _{FP}	Input	Compulsory metering	Population	000's																															
6.22 _{FP}	Input	Compulsory metering	Properties	000's																															
6.23 _{FP}	6.21 _{FP} /6.22 _{FP}	Compulsory metering	Occupancy	h/prop	#DIV/0!																														
6.24 _{FP}	Input	Compulsory metering	pcc	l/h/d																															
6.25 _{FP}	Input	Existing metering	Population	000's		15.53	15.37	15.35	15.35	15.35	15.35	15.35	15.34	15.33	15.33	15.32	15.32	15.31	15.31	15.30	15.30	15.30	15.30	15.31	15.31	15.32	15.32	15.33	15.34	15.34	15.34	15.35	15.36		
6.26 _{FP}	Input	Existing metering	Properties	000's		8.48	8.40	8.39	8.38	8.37	8.36	8.35	8.34	8.33	8.31	8.30	8.29	8.28	8.27	8.25	8.24	8.24	8.23	8.22	8.21	8.21	8.20	8.19	8.19	8.18	8.18	8.17	8.17		
6.27 _{FP}	6.25 _{FP} /6.26 _{FP}	Existing metering	Occupancy	h/prop	#DIV/0!	1.83	1.83	1.83	1.83	1.83	1.84	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.85	1.85	1.86	1.86	1.86	1.86	1.86	1.87	1.87	1.87	1.87	1.88	1.88	1.88			
6.28 _{FP}	Input	Existing metering	pcc	l/h/d		130.27	129.34	128.93	128.50	128.23	127.41	126.61	125.84	125.18	124.52	123.91	123.35	122.76	122.09	121.46	120.66	119.89	119.43	118.89	118.48	118.03	117.63	117.19	116.74	116.29	115.90	115.49	115.30		

Company:	<u>Essex & Suffolk Water</u>
Resource Zone Name	<u>Suffolk Blyth</u>
Resource Zone Number:	<u>2 of 4</u>
Planning Scenario Name:	<u>Dry Year (except where stated otherwise)</u>
Chosen Level of Service:	<u>Company Specified</u>

Table WRP7: Baseline household micro-component consumption

Row Ref	Derivation	Description <i>Insert additional components as required</i>	Units	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
7.1	Input	Toilet Flushing	l/h/d		40.43	40.17	39.93	39.69	39.46	39.23	39.02	38.81	38.61	38.41	38.22	38.04	37.86	37.69	37.53	37.37	37.22	37.07	36.93	36.80	36.66	36.54	36.41	36.30	36.18	36.08	35.97	35.87
7.2	Input	Personal Washing	l/h/d		63.00	62.81	62.85	63.08	63.46	63.65	63.82	64.00	64.14	64.29	64.46	64.64	64.83	64.95	65.08	65.22	65.37	65.53	65.70	65.88	66.07	66.27	66.48	66.71	66.94	67.18	67.44	67.71
7.3	Input	Clothes Washing	l/h/d		13.04	12.22	12.26	12.29	12.36	12.38	12.42	12.46	12.51	12.58	12.62	12.69	12.70	12.68	12.69	12.27	11.86	11.96	11.92	12.02	12.09	12.19	12.22	12.20	12.19	12.23	12.28	12.55
7.4	Input	Dishwashing	l/h/d		11.28	11.08	10.97	10.88	10.82	10.75	10.69	10.64	10.60	10.57	10.53	10.52	10.47	10.41	10.37	10.37	10.41	10.44	10.40	10.45	10.48	10.53	10.54	10.52	10.51	10.54	10.57	10.60
7.5	Input	Outdoor Total Use	l/h/d		9.62	9.35	9.15	8.98	8.85	8.76	8.69	8.63	8.59	8.57	8.54	8.53	8.49	8.44	8.53	8.60	8.71	8.82	8.84	8.97	9.07	9.21	9.30	9.35	9.42	9.53	9.65	9.78
7.6	Input	General Use	l/h/d		15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28
7.7	Input	Dry Year Increase	l/h/d		2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	
7.8	Input		l/h/d																													
7.9	Input		l/h/d																													
7.10	Input		l/h/d																													
7.11	Input		l/h/d																													
7.12	Input		l/h/d																													
7.13	Input		l/h/d																													
7.14	Input		l/h/d																													
7.15	Input		l/h/d																													
7.16	Input		l/h/d																													
7.17	Input		l/h/d																													
7.18	Input		l/h/d																													
7.19	Sum(7.1:7.18)	Unmeasured pcc	l/h/d	0.00	154.75	153.02	152.55	152.29	152.32	152.15	152.01	151.92	151.83	151.80	151.75	151.80	151.74	151.56	151.59	151.21	150.95	151.21	151.17	151.50	151.75	152.12	152.34	152.44	152.63	152.93	153.29	153.89
7.20	Input	Toilet Flushing	l/h/d		40.44	40.18	39.92	39.67	39.43	39.20	38.98	38.76	38.55	38.35	38.15	37.96	37.78	37.60	37.43	37.27	37.11	36.95	36.81	36.66	36.53	36.39	36.27	36.14	36.02	35.91	35.80	35.70
7.21	Input	Personal Washing	l/h/d		54.84	54.73	54.83	55.09	55.46	55.47	55.50	55.53	55.66	55.80	55.95	56.11	56.29	56.37	56.46	56.56	56.67	56.78	56.90	57.02	57.15	57.29	57.44	57.59	57.75	57.91	58.08	58.26
7.22	Input	Clothes Washing	l/h/d		9.19	8.83	8.82	8.83	8.87	8.83	8.81	8.80	8.80	8.81	8.81	8.84	8.84	8.82	8.83	8.56	8.32	8.34	8.29	8.33	8.35	8.40	8.37	8.36	8.37	8.39	8.55	
7.23	Input	Dishwashing	l/h/d		9.60	9.53	9.51	9.48	9.46	9.31	9.17	9.03	8.88	8.74	8.59	8.45	8.31	8.16	8.02	7.97	7.93	7.88	7.84	7.79	7.75	7.70	7.66	7.62	7.57	7.53	7.48	7.44
7.24	Input	Outdoor Use	l/h/d		4.17	4.08	4.07	4.05	4.03	4.02	4.00	3.99	3.97	3.92	3.90	3.89	3.87	3.86	3.85	3.84	3.83	3.82	3.81	3.81	3.80	3.79	3.78	3.77	3.76	3.75	3.74	
7.25	Input	General Use	l/h/d		7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	
7.26	Input	Dry Year Increase	l/h/d		0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	
7.27	Input		l/h/d																													
7.28	Input		l/h/d																													
7.29	Input		l/h/d																													
7.30	Input		l/h/d																													
7.31	Input		l/h/d																													
7.32	Input		l/h/d																													
7.33	Input		l/h/d																													
7.34	Input		l/h/d																													
7.35	Input		l/h/d																													
7.36	Input		l/h/d																													
7.37	Input		l/h/d																													
7.38	Sum(7.20:7.37)	Existing Measured pcc (excl UR)	l/h/d	0.00	126.47	125.57	125.37	125.35	125.47	125.06	124.68	124.32	124.08	123.84	123.63	123.47	123.30	123.03	122.81	122.42	122.07	122.00	121.87	121.84	121.80	121.80	121.77	121.71	121.69	121.70	121.73	121.91

Company:	Essex & Suffolk Water
Resource Zone Name	Suffolk Blyth
Resource Zone Number:	2 of 4
Planning Scenario Name:	Dry Year (except where stated otherwise)
Chosen Level of Service:	Company Specified

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	Toilet Flushing	l/h/d		40.43	40.17	39.93	39.69	39.46	39.23	39.02	38.81	38.61	38.41	38.22	38.04	37.86	37.69	37.53	37.37	37.22	37.07	36.93	36.80	36.66	36.54	36.41	36.30	36.18	36.08	35.97	35.87		
7.2	Input	Personal Washing	l/h/d		63.00	62.81	62.85	63.08	63.46	63.65	63.82	64.00	64.14	64.29	64.46	64.64	64.83	64.95	65.08	65.22	65.37	65.53	65.70	65.88	66.07	66.27	66.48	66.71	66.94	67.18	67.44	67.71		
7.3	Input	Clothes Washing	l/h/d		13.04	12.22	12.26	12.29	12.36	12.38	12.42	12.46	12.54	12.64	12.72	12.81	12.83	12.82	12.80	12.35	11.85	12.02	12.01	12.17	12.23	12.34	12.36	12.32	12.26	12.26	12.21	12.52		
7.4	Input	Dishwashing	l/h/d		11.28	11.08	10.97	10.88	10.82	10.75	10.69	10.64	10.60	10.57	10.54	10.52	10.47	10.41	10.36	10.37	10.40	10.44	10.40	10.47	10.48	10.54	10.54	10.53	10.51	10.53	10.53	10.59		
7.5	Input	Outdoor Total Use	l/h/d		9.62	9.35	9.15	8.98	8.85	8.76	8.69	8.63	8.58	8.55	8.52	8.51	8.47	8.43	8.52	8.59	8.69	8.82	8.83	8.99	9.08	9.22	9.30	9.36	9.41	9.52	9.60	9.76		
7.6	Input	General Use	l/h/d		15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28	15.28		
7.7	Input	Dry Year Increase	l/h/d		2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10		
7.8	Input		l/h/d																															
7.9	Input		l/h/d																															
7.10	Input		l/h/d																															
7.11	Input		l/h/d																															
7.12	Input		l/h/d																															
7.13	Input		l/h/d																															
7.14	Input		l/h/d																															
7.15	Input		l/h/d																															
7.16	Input		l/h/d																															
7.17	Input		l/h/d																															
7.18	Input		l/h/d																															
7.19	Sum(7.1:7.18)	Unmeasured pcc	l/h/d	0.00	154.75	153.02	152.55	152.29	152.32	152.15	152.01	151.92	151.85	151.85	151.83	151.90	151.85	151.69	151.67	151.27	150.91	151.27	151.24	151.69	151.91	152.28	152.48	152.59	152.69	152.94	153.13	153.83		
7.20	Input	Toilet Flushing	l/h/d		40.44	40.18	39.92	39.67	39.43	39.20	38.98	38.76	38.55	38.35	38.15	37.96	37.78	37.60	37.43	37.27	37.11	36.95	36.81	36.66	36.53	36.39	36.27	36.14	36.02	35.91	35.80	35.70		
7.21	Input	Personal Washing	l/h/d		54.84	54.73	54.83	55.09	55.46	55.47	55.50	55.53	55.66	55.80	55.95	56.11	56.29	56.37	56.46	56.56	56.67	56.78	56.90	57.02	57.15	57.29	57.44	57.59	57.75	57.91	58.08	58.26		
7.22	Input	Clothes Washing	l/h/d		9.19	8.83	8.82	8.83	8.87	8.83	8.81	8.80	8.79	8.80	8.80	8.83	8.82	8.81	8.82	8.55	8.31	8.34	8.28	8.35	8.36	8.41	8.40	8.38	8.35	8.36	8.35	8.53		
7.23	Input	Dishwashing	l/h/d		9.60	9.53	9.51	9.48	9.46	9.31	9.17	9.03	8.88	8.74	8.59	8.45	8.31	8.16	8.02	7.97	7.93	7.88	7.84	7.79	7.75	7.70	7.66	7.62	7.57	7.53	7.48	7.44		
7.24	Input	Outdoor Use	l/h/d		4.17	4.08	4.07	4.05	4.03	4.02	4.00	3.99	3.97	3.92	3.90	3.89	3.87	3.86	3.85	3.84	3.83	3.82	3.81	3.81	3.80	3.79	3.78	3.77	3.76	3.75	3.74			
7.25	Input	General Use	l/h/d		7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38		
7.26	Input	Dry Year Increase	l/h/d		0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	
7.27	Input		l/h/d																															
7.28	Input		l/h/d																															
7.29	Input		l/h/d																															
7.30	Input		l/h/d																															
7.31	Input		l/h/d																															
7.32	Input		l/h/d																															
7.33	Input		l/h/d																															
7.34	Input		l/h/d																															
7.35	Input		l/h/d																															
7.36	Input		l/h/d																															
7.37	Input		l/h/d																															
7.38	Sum(7.20:7.37)	Existing Measured pcc (excl UR)	l/h/d	0.00	126.47	125.57	125.37	125.35	125.47	125.06	124.68	124.32	124.07	123.82	123.62	123.46	123.28	123.02	122.80	122.41	122.06	122.00	121.86	121.86	121.81	121.81	121.77	121.72	121.68	121.69	121.69	121.89		

Company:	Essex & Suffolk Water
Resource Zone Name	Suffolk Blyth
Resource Zone Number:	2 of 4
Planning Scenario Name:	Dry Year (except where stated otherwise)
Chosen Level of Service:	Company Specified

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	MI/d		0.72	0.73	0.71	0.70	0.68	0.67	0.66	0.66	0.65	0.65	0.64	0.64	0.63	0.63	0.63	0.63	0.62	0.63	0.63	0.63	0.64	0.65	0.65	0.66	0.67	0.68	0.68
8.2	Input	Extraction of metals, minerals and energy producing materials	B5, B6, B7, B8, B9	MI/d		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.3	Input	Food and drink (manufacture)	C10, C11, C12	MI/d		0.07	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
8.4	Input	Textile, fur and leather (manufacture)	C13, C14, C15	MI/d		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.5	Input	Other manufacturing	C16, C26, C27, C31, C32, C33	MI/d		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
8.6	Input	Paper (manufacture)	C17, C18	MI/d		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.7	Input	Fuel refining	C19	MI/d		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.8	Input	Chemicals, rubbers, plastics and man-made material (manufacture)	C20, C21, C22	MI/d		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
8.9	Input	Manufacture of non-metallic minerals	C23	MI/d		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.10	Input	Manufacture of basic metals, fabricated metal products and	C24, C25, C28, C29	MI/d		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8.11	Input	Transportation and manufacture of transport equipment	C30, H49, H50, H51, H52, H53	MI/d		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
8.12	Input	Electricity, gas and water supplies	D35, E36, E37, E38, E39	MI/d		1.20	1.17	1.12	1.10	1.09	1.09	1.09	1.10	1.10	1.11	1.11	1.12	1.13	1.15	1.16	1.17	1.19	1.21	1.22	1.24	1.25	1.27	1.28	1.29	1.31	1.32	1.34
8.13	Input	Construction	F41, F42, F43	MI/d		0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
8.14	Input	Wholesale and retail	G45, G46, G47	MI/d		0.10	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
8.15	Input	Hotels, bars and restaurants	I55, I56	MI/d		0.26	0.25	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	
8.16	Input	Other services	J, K, L, M, N, O, R, S, T, U	MI/d		0.41	0.41	0.39	0.38	0.37	0.37	0.36	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	
8.17	Input	Education and Health	P, Q	MI/d		0.25	0.21	0.18	0.17	0.16	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	
8.18	Input			MI/d																												
8.19	Input			MI/d																												
8.20	Input			MI/d																												

Company:	<u>Essex & Suffolk Water</u>
Resource Zone Name	<u>Suffolk Blyth</u>
Resource Zone Number:	<u>2 of 4</u>
Planning Scenario Name:	<u>Dry Year (except where stated otherwise)</u>
Chosen Level of Service:	<u>Company Specified</u>

