

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 Essex
Resource Zone Number: 1 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**

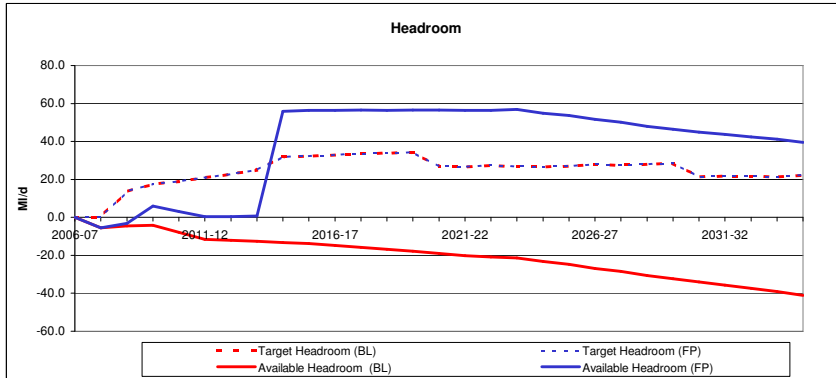
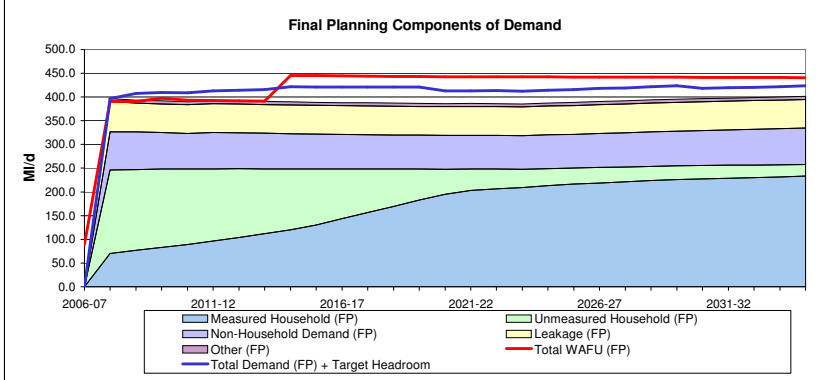
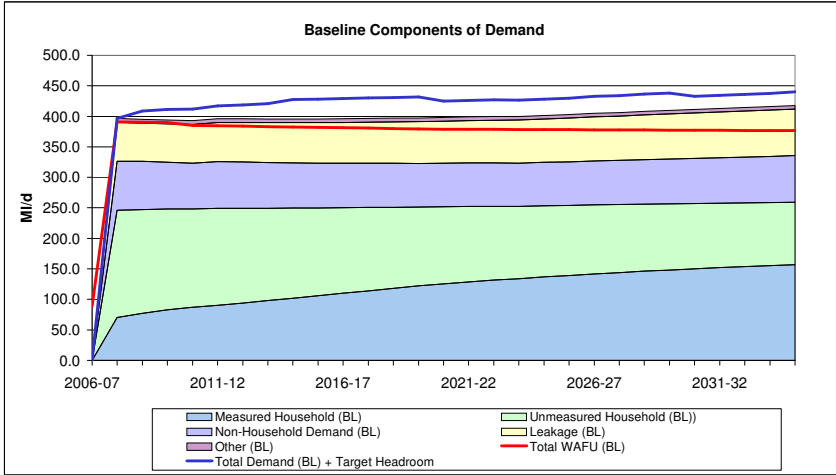
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Summary graphs of WRP tables input data

DERIVATION	DESCRIPTION	UNITS	2006-07	2007-08	2008-09	2009-10	2010-11
SUPPLY							
50BL	Total WAFU (BL)	MI/d	89.10	391.02	390.39	389.75	385.12
50FP	Total WAFU (FP)	MI/d	89.10	391.02	390.39	397.75	393.12
DEMAND							
35BL	Unmeasured Household (BL)	MI/d	0.00	176.23	170.26	165.31	161.51
35FP	Unmeasured Household (FP)	MI/d	0.00	176.23	170.26	165.31	159.25
39BL	Measured Household (BL)	MI/d	0.00	70.08	76.91	82.91	86.85
39FP	Measured Household (FP)	MI/d	0.00	70.08	76.91	82.91	88.95
43BL+46BL	Non-Household Demand (BL)	MI/d	0.00	80.09	79.23	76.71	74.96
43FP+46FP	Non-Household Demand (FP)	MI/d	0.00	80.09	79.23	76.71	74.96
48BL	Leakage (BL)	MI/d	0.00	64.07	62.33	62.92	63.51
48FP	Leakage (FP)	MI/d	0.00	64.07	61.00	60.60	60.60
14BL-(35BL+39BL+43BL+46BL+48BL)	Other (BL)	MI/d	0.00	6.07	6.13	6.12	6.11
14FP-(35FP+39FP+43FP+46FP+48FP)	Other (FP)	MI/d	0.00	6.07	6.16	6.18	6.21
Total Demand (BL) + Target Headroom			0.00	396.54	408.54	411.58	411.80
Total Demand (FP) + Target Headroom and Suffix			0.00	396.54	407.25	409.33	408.84
SUPPLY-DEMAND BALANCE							
52BL	Target Headroom (BL)	1 of 1	0.00	0.00	13.69	17.60	18.87
52FP	Target Headroom (FP)	MI/d	0.00	0.00	13.69	17.60	18.87
Total Supply - Total Demand			0.00	-5.52	-4.47	-4.22	-7.81
Total Supply - Total Demand			0.00	-5.52	-3.18	6.03	3.15



Company:	Essex & Suffolk Water
Resource Zone Name	Essex
Resource Zone Number:	1 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	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 _{BL}	Input as appropriate	Reductions in Baseline Deployable Output: Total here and specify below	M/d	0.00	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00		
		<i>Sustainability Reduction - Blackwater Estuary</i>	M/d	0.00	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00		
			M/d																																	
			M/d																																	
			M/d																																	
7 _{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		
		<i>to</i>	M/d																																	
		<i>to</i>	M/d																																	
		<i>to</i>	M/d																																	
8 _{BL}	Input as appropriate	Baseline Raw Water Imported (existing). Total here and specify below	M/d	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	
		<i>from Thames Water Utilities to Chigwell</i>	M/d	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	
		<i>from</i>	M/d																																	
		<i>from</i>	M/d																																	
10 _{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		
		<i>to</i>	M/d																																	
		<i>to</i>	M/d																																	
		<i>to</i>	M/d																																	
12 _{BL}	Input as appropriate	Baseline Potable Water Exported. Total here and specify below	M/d	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	
		<i>to Anglian Water Services (Tiptree)</i>	M/d	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	
		<i>to Three Valleys Water</i>	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	0.02	0.02	0.02	
		<i>to</i>	M/d																																	
13 _{BL}	Input as appropriate	Baseline Potable Water Imported. Total here and specify below	M/d	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	
		<i>from Anglian Water Services (Cressing)</i>	M/d	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
		<i>from</i>	M/d																																	
		<i>from</i>	M/d																																	

Company:	Essex & Suffolk Water
Resource Zone Name	Essex
Resource Zone Number:	1 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....											
		Universal Metering by 2015	C1	9.63	2015	37218.95	51985.48	0.00		-279.46	51706.02	137.83	137.08
		Universal Metering by 2020	C2	9.63	2020	29245.67	43359.73	0.00		-231.25	43128.48	145.53	144.75
		(Note - water efficiency projects included in baseline)											
55	Input as appropriate	Distribution Side Management, Specify Below....											
		<i>Leakage Reduction Bands Below ELL:</i>											
		Current Target - 4 % to Current Target - 6%	D1	1.16	2010	5680.16	0.00	24146.35		0.00	24146.35	425.10	425.10
		Current Target - 2 % to Current Target - 4%	D1	1.16	2010	5680.16	0.00	15376.19		0.00	15376.19	270.70	270.70
		Current Target to Current Target - 2%	D1	1.16	2010	5680.16	0.00	9684.67		0.00	9684.67	170.50	170.50
		<i>Dagenham Supply Pipe Leakage Reduction:</i>											
		Year 1	D2	0.5	2010	2448.34	1308.66	0.00		0.00	1308.66	53.26	53.26
		Years 1 to 10	D2	5.0	2019	15941.39	8356.74	0.00		0.00	8356.74	53.26	53.26
		<i>Generic Mains Replacement:</i>											
		DMA Group 1 - AMP5 Mains Renewals	D3	2.65	2015	10241.98	13286.42	0.00		0.00	13286.42	133.99	133.99
		DMA Group 2 - AMP6 Mains Renewals	D3	2.65	2020	8047.87	9927.14	0.00		0.00	9927.14	127.76	127.76
		DMA Group 3 - AMP7 Mains Renewals	D3	2.65	2025	6287.22	13728.41	0.00		0.00	13728.41	236.57	236.57
		DMA Group 4 - AMP8 Mains Renewals	D3	2.65	2030	4874.37	10727.57	0.00		0.00	10727.57	230.37	230.37
		DMA Group 5 - AMP9 Mains Renewals	D3	2.65	2035	3740.64	9970.07	0.00		0.00	9970.07	266.81	266.81
		DMA Group 1 - any AMP Mains Renewals	D3	2.65	2015	10241.98	27283.86	0.00		0.00	27283.86	275.15	275.15
		DMA Group 2 - any AMP Mains Renewals	D3	2.65	2015	10241.98	29134.19	0.00		0.00	29134.19	293.81	293.81
		DMA Group 3 - any AMP Mains Renewals	D3	2.65	2015	10241.98	41178.93	0.00		0.00	41178.93	415.28	415.28
		DMA Group 4 - any AMP Mains Renewals	D3	2.65	2015	10241.98	41021.02	0.00		0.00	41021.02	413.68	413.68
		DMA Group 5 - any AMP Mains Renewals	D3	2.65	2015	10241.98	42768.17	0.00		0.00	42768.17	431.30	431.30
56	Input as appropriate	Production Side Management, Specify Below....											
		Algae Outage Reduction	P2	1.6	2012	7130.48	8508.35	4373.33		133.32	13015.00	178.81	180.67
57	Input as appropriate	Resource Management, Specify Below....											
		Abberton Scheme	R2	64	2014	257884.73	95133.01	55067.40		1632.41	151832.82	56.95	57.57
		Reverse Osmosis Desalination	R3	30	2018	100393.01	83125.44	89116.23		13634.16	185875.83	170.54	183.94
		Colchester Effluent Recycling	R4	10	2018	34133.62	10215.63	26984.63		500.30	37700.56	108.42	109.87
		River Trent Transfer	R5	64	2018	214171.75	94021.35	52378.17		30671.63	177071.15	66.34	80.47
		Canal Transfer	R6	64	2018	214171.75	140442.98	52366.71		8091.63	200901.32	87.02	90.74

Company:	<u>Essex & Suffolk Water</u>
Resource Zone Name	<u>Essex</u>
Resource Zone Number:	<u>1 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	316.88	316.25	323.62	322.99	322.35	321.72	321.09	375.46	374.97	374.48	373.99	373.50	373.01	372.72	372.58	372.45	372.31	372.17	372.04	371.90	371.76	371.63	371.49	371.35	371.22	371.08	370.94	370.80		
2 _{FP}	WRP4a-FP 2a _{FP}	Reductions in Deployable Output	MI/d	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00		
3 _{FP}		Outage Allowance	MI/d	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79	14.79		
4 _{FP}	9 _{FP} +11 _{FP}	Process Losses	MI/d	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16		
5 _{FP}	1 _{FP} (2 _{FP} +3 _{FP} +4 _{FP})	Water Available For Use (own sources)	MI/d	301.92	301.29	308.66	304.03	303.40	302.76	302.13	356.50	356.01	355.53	355.04	354.55	354.06	353.77	353.63	353.49	353.36	353.22	353.08	352.95	352.81	352.67	352.54	352.40	352.26	352.13	351.99	351.85		
RAW WATER FINAL PLANNING																																	
6 _{FP}		Raw Water Abstracted	MI/d	332.77	330.27	328.73	327.26	329.11	328.49	327.73	327.09	326.26	325.77	325.31	324.93	324.49	324.16	324.23	324.10	323.54	325.08	325.99	327.63	328.74	330.42	331.65	332.74	333.69	334.68	335.64	336.82		
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	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00		
9 _{FP}		Raw Water Losses and Operational Use	MI/d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
10 _{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	0.00		
POTABLE WATER TO POINT OF DELIVERY FINAL PLANNING																																	
11 _{FP}		Treatment Works Losses and Operational Use	MI/d	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16		
12 _{FP}	WRP4a-FP 12a _{FP}	Potable Water Exported	MI/d	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07		
13 _{FP}	WRP4a-FP 13a _{FP}	Potable Water Imported	MI/d	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17		
14 _{FP}		Distribution Input	MI/d	396.54	393.56	391.72	389.97	392.18	391.44	390.54	389.77	388.79	388.20	387.66	387.19	386.67	386.28	386.37	386.21	385.55	387.38	388.47	390.41	391.74	393.74	395.20	396.51	397.64	398.82	399.96	401.36		
15 _{FP}		Distribution Losses	MI/d	42.41	40.80	40.96	41.55	42.11	42.62	43.08	43.52	44.22	45.17	46.09	46.54	47.00	47.47	47.69	47.68	47.68	47.66	47.63	47.54	47.48	47.40	47.35	47.30	47.25	47.22	47.18	47.14		
16 _{FP}		Distribution System Operational Use	MI/d	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66		
17 _{FP}	14 _{FP} +15 _{FP} +16 _{FP}	Water Delivered	MI/d	353.48	352.10	350.11	347.77	349.42	348.16	346.80	345.60	343.91	342.36	340.91	340.00	339.01	338.16	338.02	337.88	337.21	339.06	340.18	342.22	343.61	345.69	347.20	348.55	349.73	350.94	352.12	353.56		
POTABLE WATER CUSTOMER USE FINAL PLANNING																																	
18 _{FP}		Unmeasured Household - Population	000's	1,021.60	990.37	963.50	931.77	891.69	849.76	804.62	760.15	699.01	621.09	544.75	466.23	389.58	316.22	271.36	252.67	234.96	216.33	205.20	197.58	189.73	181.42	174.17	168.95	163.71	159.17	154.41	149.72		
19 _{FP}		Unmeasured Household - Properties	000's	351.27	338.80	326.00	311.28	295.60	280.29	265.22	250.52	230.30	204.56	179.31	154.43	129.79	105.40	90.85	86.03	81.21	76.39	73.01	71.07	69.14	67.20	65.26	63.33	61.39	59.46	57.52	55.59		
20 _{FP}	18 _{FP} +19 _{FP}	Unmeasured Household - Occupancy Rate	h/pr	2.91	2.92	2.96	2.99	3.02	3.03	3.03	3.04	3.04	3.04	3.04	3.02	3.00	2.99	2.94	2.89	2.83	2.81	2.78	2.74	2.70	2.67	2.67	2.67	2.68	2.68	2.69			
21 _{FP}	WRP6a-6.1 _{FP}	Measured Household - Population	000's	472,519	514,286	553,505	597,446	650,617	704,893	761,288	817,423	890,787	981,028	1,070,141	1,160,677	1,249,519	1,334,965	1,393,507	1,424,604	1,453,255	1,485,043	1,506,657	1,526,821	1,543,502	1,562,080	1,577,644	1,592,026	1,606,556	1,618,408	1,631,481	1,644,473		
22 _{FP}	WRP6a-6.2 _{FP}	Measured Household - Properties	000's	236,260	254,471	271,443	290,053	311,522	333,796	356,893	379,828	408,602	442,837	476,251	509,966	542,694	574,927	597,283	609,519	620,731	633,297	642,749	651,900	659,613	668,191	675,521	682,458	689,497	695,415	701,897	708,382		
23 _{FP}	21 _{FP} +22 _{FP}	Measured Household - Occupancy Rate	h/pr	2.00	2.02	2.04	2.06	2.09	2.11	2.13	2.15	2.18	2.22	2.25	2.28	2.30	2.32	2.33	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.33	2.33	2.33	2.32		
24 _{FP}		Unmeasured Non Household - Population	000's	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973	1,973		
25 _{FP}		Unmeasured Non Household - Properties	000's	2,694	2,679	2,666	2,654	2,641	2,628	2,616	2,603	2,591	2,578	2,566	2,553	2,541	2,529	2,517	2,505	2,493	2,481	2,469	2,457	2,445	2,433	2,422	2,410	2,399	2,387	2,376	2,364		
26 _{FP}		Measured Non Household - Population	000's	10,357	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356		
27 _{FP}		Measured Non Household - Properties	000's	28,016	28,619	29,029	29,352	29,588	29,823	30,058	30,292	30,525	30,758	30,990	31,221	31,452	31,682	31,912	32,141	32,369	32,596	32,823	33,050	33,275	33,500	33,725	33,949	34,172	34,394	34,616	34,837		
28 _{FP}	18 _{FP} +21 _{FP} +24 _{FP} +26 _{FP}	Total Population	000's	1,506,446	1,516,988	1,529,339	1,541,549	1,554,637	1,566,982	1,578,239	1,589,904	1,602,121	1,614,447	1,627,224	1,639,231	1,651,425	1,663,517	1,677,197	1,689,598	1,700,547	1,713,698	1,724,187	1,736,731	1,745,563	1,755,831	1,764,141	1,773,300	1,782,593	1,789,904	1,798,216	1,806,525		
29 _{FP}		Void Households	000's	25,985	24,720	24,893	25,055	25,297	25,587	25,921	26,264	26,621	26,975	27,315	27,683	28,020	28,347	28,672	28,981	29,248	29,570	29,823	30,124	30,365	30,641	30,866	31,074	31,287	31,453	31,642	31,832		
30 _{FP}		Void Non Households	000's	5,429	5,505	5,568	5,616	5,651	5,685	5,719	5,753	5,787	5,821	5,855	5,889	5,923	5,956	5,990	6,023	6,057	6,090	6,123	6,156	6,189	6,222	6,255	6,288	6,320	6,353	6,385	6,418		
30.1 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP})	Total Household Metering penetration (excl. voids)	%	40%	43%	45%	48%	51%	54%	57%	60%	64%	68%	73%	77%	81%	85%	87%	88%	89%	90%	91%	91%	91%	91%	91%	91%	92%	92%	92%	93%		
30.2 _{FP}	22 _{FP} /(22 _{FP} +19 _{FP} +29 _{FP})	Total Household Metering penetration (incl. voids)	%	39%	41%	44%	46%	49%	52%	55%	58%	61%	66%	70%	74%	77%	81%	83%	84%	85%	86%	86%	87%	87%	87%	87%	88%	88%	88%	89%	89%		
31 _{FP}	19 _{FP} +22 _{FP} +25 _{FP} +27 _{FP} +29																																

Table WRP4a - FP: Final Planning Supporting transfer and DO reductions data

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	
2aFP	Input as appropriate	Reductions in Final Planning Deployable Output. Total here and specify below	Ml/d	0.00	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00		
		<i>Sustainability Reduction - Blackwater Estuary</i>	Ml/d	0.00	0.00	0.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00		
			Ml/d																														
			Ml/d																														
			Ml/d																														
7aFP	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		
		<i>to</i>	Ml/d																														
		<i>to</i>	Ml/d																														
		<i>to</i>	Ml/d																														
8aFP	Input as appropriate	Final Planning Raw Water Imported. Total here and specify below	Ml/d	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	
		<i>from Thames Water Utilities to Chigwell</i>	Ml/d	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00	91.00
		<i>from</i>	Ml/d																														
		<i>from</i>	Ml/d																														
10aFP	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		
		<i>to</i>	Ml/d																														
		<i>to</i>	Ml/d																														
		<i>to</i>	Ml/d																														
12aFP	Input as appropriate	Final Planning Potable Water Exported. Total here and specify below	Ml/d	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07		
		<i>to Anglian Water Services (Tiptree)</i>	Ml/d	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	
		<i>to Three Valleys Water</i>	Ml/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	
		<i>to</i>	Ml/d																														
13aFP	Input as appropriate	Final Planning Potable Water Imported. Total here and specify below	Ml/d	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17		
		<i>from Anglian Water Services (Cressing)</i>	Ml/d	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	
		<i>from</i>	Ml/d																														
		<i>from</i>	Ml/d																														

Company:	Essex & Suffolk Water
Resource Zone Name	Essex
Resource Zone Number:	1 of 4
Planning Scenario Name:	Dry Year (except where stated otherwise)
Chosen Level of Service:	Company Specified

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	472.52	514.29	553.51	584.26	611.53	640.67	672.36	704.52	737.20	769.52	800.80	833.43	864.04	892.13	918.90	943.86	965.56	989.60	1008.57	1030.11	1048.17	1068.13	1085.10	1101.36	1117.80	1131.61	1146.67	1161.67	
6.2 _{BL}	6.6 _{BL} +6.10 _{BL} +6.14 _{BL} +6.18 _{BL} +6.2 _{BL} +6.26 _{BL}	Total	Properties	000's	0.00	236.26	254.47	271.44	285.60	298.41	312.34	327.28	342.35	357.59	372.58	387.04	401.97	415.96	429.13	441.54	453.07	463.09	473.99	482.98	493.10	501.79	511.34	519.65	527.56	535.57	542.46	549.92	557.37	
6.3 _{BL}	6.1 _{BL} /6.2 _{BL}	Total	Occupancy	h/prop	#DIV/0!	2.00	2.02	2.04	2.05	2.05	2.05	2.05	2.06	2.06	2.07	2.07	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.08	
6.5 _{BL}	Input	Meter optants	Population	000's	0.00	8.04	16.10	25.96	37.64	49.30	60.89	72.40	83.70	94.72	105.46	115.91	126.08	135.31	143.35	150.60	157.06	162.71	167.99	173.28	178.61	183.95	189.33	194.74	200.17	205.64	211.12	216.62		
6.6 _{BL}	Input	Meter optants	Properties	000's	0.00	5.03	10.00	16.08	23.27	30.39	37.45	44.42	51.23	57.83	64.23	70.42	76.41	81.81	86.46	90.61	94.28	97.43	100.36	103.27	106.19	109.11	112.03	114.96	117.89	120.82	123.75	126.68		
6.7 _{BL}	6.5 _{BL} /6.6 _{BL}	Meter optants	Occupancy	h/prop	#DIV/0!	0.00	1.60	1.61	1.61	1.62	1.62	1.63	1.63	1.64	1.64	1.65	1.65	1.65	1.66	1.66	1.67	1.67	1.67	1.68	1.68	1.69	1.69	1.69	1.70	1.70	1.71	1.71		
6.8 _{BL}	Input	Meter optants	pcc	l/h/d	0.00	143.03	142.73	142.16	141.77	141.29	140.94	140.60	140.22	139.85	139.44	139.13	138.75	138.26	137.82	137.12	136.38	136.19	135.94	135.72	135.51	135.33	135.11	134.82	134.55	134.24	133.95	133.86		
6.9 _{BL}	Input	New properties	Population	000's	0.00	10.78	21.19	30.96	45.41	62.74	82.72	103.22	124.46	145.56	165.85	187.79	207.92	226.69	245.29	262.81	277.76	295.91	309.40	325.49	337.99	352.41	363.75	374.37	385.14	393.21	402.52	411.76		
6.10 _{BL}	Input	New properties	Properties	000's	0.00	4.59	9.02	13.15	19.26	26.56	34.96	43.55	52.47	61.32	69.80	78.97	87.36	95.49	103.58	111.27	117.90	125.92	132.22	139.69	145.68	152.56	158.15	163.34	168.63	172.76	177.48	182.20		
6.11 _{BL}	6.9 _{BL} /6.10 _{BL}	New properties	Occupancy	h/prop	#DIV/0!	0.00	2.35	2.35	2.35	2.36	2.37	2.37	2.37	2.38	2.38	2.38	2.37	2.37	2.36	2.36	2.35	2.34	2.33	2.32	2.31	2.30	2.29	2.28	2.27	2.26				
6.12 _{BL}	Input	New properties	pcc	l/h/d	0.00	146.84	147.20	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03		
6.13 _{BL}	Input	Metering on change of occupancy (Selectives)	Population	000's	0.00	23.17	45.20	57.35	57.50	57.64	57.78	57.92	58.03	58.15	58.27	58.39	58.52	58.36	58.20	58.06	57.92	57.78	57.53	57.27	57.02	56.77	56.52	56.24	55.95	55.67	55.39	55.11		
6.14 _{BL}	Input	Metering on change of occupancy (Selectives)	Properties	000's	0.00	8.71	16.92	21.37	21.34	21.30	21.26	21.22	21.18	21.14	21.11	21.08	21.05	21.02	21.00	20.98	20.96	20.94	20.92	20.90	20.89	20.87	20.86	20.84	20.83	20.82	20.81	20.80		
6.15 _{BL}	6.13 _{BL} /6.14 _{BL}	Metering on change of occupancy (Selectives)	Occupancy	h/prop	#DIV/0!	0.00	2.66	2.67	2.68	2.70	2.71	2.72	2.73	2.74	2.75	2.76	2.77	2.78	2.78	2.77	2.77	2.76	2.76	2.75	2.74	2.73	2.72	2.71	2.70	2.69	2.67	2.66	2.65	
6.16 _{BL}	Input	Metering on change of occupancy (Selectives)	pcc	l/h/d	0.00	157.27	156.94	156.32	155.89	155.36	154.97	154.60	154.18	153.77	153.32	152.98	152.57	152.03	151.54	150.77	149.96	149.75	149.47	149.22	149.00	148.80	148.55	148.24	147.94	147.60	147.28	147.18		
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	472.52	472.29	471.01	469.99	470.98	470.99	470.97	470.98	471.01	471.09	471.21	471.34	471.53	471.77	472.06	472.40	472.81	473.19	473.65	474.07	474.55	475.00	475.50	476.02	476.54	477.09	477.63	478.17		
6.26 _{BL}	Input	Existing metering	Properties	000's	236.26	236.14	235.51	235.00	234.55	234.09	233.62	233.16	232.71	232.29	231.90	231.50	231.14	230.81	230.50	230.21	229.96	229.70	229.48	229.24	229.03	228.81	228.61	228.42	228.23	228.06	227.88	227.70		
6.27 _{BL}	6.25 _{BL} /6.26 _{BL}	Existing metering	Occupancy	h/prop	#DIV/0!	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.02	2.03	2.03	2.04	2.04	2.04	2.05	2.05	2.06	2.06	2.06	2.07	2.07	2.08	2.08	2.08	2.09	2.09	2.10	2.10		
6.28 _{BL}	Input	Existing metering	pcc	l/h/d	148.07	148.24	148.29	148.04	147.81	147.19	146.58	145.98	145.47	144.97	144.49	144.01	143.55	143.00	142.51	141.69	140.89	140.44	140.00	139.57	139.15	138.73	138.32	137.92	137.52	137.13	136.75	136.57		

Company:	<u>Essex & Suffolk Water</u>
Resource Zone Name:	<u>Essex</u>
Resource Zone Number:	<u>1 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	472.52	514.29	553.51	597.45	650.62	704.89	761.29	817.42	890.79	981.03	1070.14	1160.68	1249.52	1334.97	1393.51	1424.60	1453.25	1485.04	1506.66	1526.82	1543.50	1562.08	1577.64	1592.03	1606.56	1618.41	1631.48	1644.47	
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	236.26	254.47	271.44	290.05	311.52	333.80	356.89	379.83	408.60	442.84	476.25	509.97	542.69	574.93	597.28	609.52	620.73	633.30	642.75	651.90	659.61	668.19	675.52	682.46	689.50	695.41	701.90	708.38	
6.3 _{FP}	6.1 _{FP} /6.2 _{FP}	Total	Occupancy	h/prop	#DIV/0!	2.00	2.02	2.04	2.06	2.09	2.11	2.13	2.15	2.18	2.22	2.25	2.28	2.30	2.32	2.33	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.33	2.33	2.33	2.32	2.32		
6.5 _{FP}	Input	Meter optants	Population	000's		0.00	8.04	16.10	24.15	32.20	40.28	48.38	56.51	63.00	67.44	71.09	74.15	76.81	79.09	80.19	80.32	80.45	80.58	80.72	80.87	81.02	81.17	81.33	81.48	81.64	81.80	81.97	82.13	
6.6 _{FP}	Input	Meter optants	Properties	000's		0.00	5.03	10.00	14.96	19.90	24.83	29.75	34.67	38.55	41.17	43.30	45.05	46.55	47.82	48.37	48.33	48.29	48.25	48.22	48.19	48.17	48.14	48.12	48.10	48.08	48.06	48.05	48.03	
6.7 _{FP}	6.5 _{FP} /6.6 _{FP}	Meter optants	Occupancy	h/prop	#DIV/0!	0.00	1.60	1.61	1.61	1.62	1.62	1.63	1.63	1.63	1.64	1.64	1.65	1.65	1.66	1.66	1.66	1.67	1.67	1.67	1.68	1.68	1.69	1.69	1.69	1.70	1.70	1.71	1.71	
6.8 _{FP}	Input	Meter optants	pcc	l/h/d		0.00	143.03	142.73	142.16	141.76	141.34	141.06	140.79	140.51	140.28	140.04	139.98	139.87	139.46	138.96	138.11	137.01	137.46	137.51	137.65	137.85	138.16	138.33	138.17	138.02	137.74	137.49	137.39	
6.9 _{FP}	Input	New properties	Population	000's		0.00	10.78	21.19	30.89	45.18	62.30	81.97	102.09	122.90	143.47	163.20	184.51	204.01	222.88	241.81	259.92	275.54	294.44	308.51	325.28	338.49	353.70	365.84	377.30	388.96	397.90	408.15	418.36	
6.10 _{FP}	Input	New properties	Properties	000's		0.00	4.59	9.02	13.14	19.23	26.51	34.88	43.44	52.30	61.05	69.45	78.52	86.81	94.84	102.90	110.60	117.25	125.29	131.62	139.13	145.15	152.07	157.69	162.91	168.23	172.40	177.15	181.90	
6.11 _{FP}	6.9 _{FP} /6.10 _{FP}	New properties	Occupancy	h/prop	#DIV/0!	0.00	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	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 _{FP}	Input	New properties	pcc	l/h/d		0.00	146.84	147.20	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	130.03	
6.13 _{FP}	Input	Metering on change of occupancy (Selectives)	Population	000's		0.00	23.17	45.20	72.71	103.05	132.56	161.58	189.77	203.57	203.66	203.80	203.98	204.20	203.44	202.83	202.36	201.92	201.46	200.61	199.76	198.94	198.10	197.28	196.33	195.37	194.43	193.48	192.54	
6.14 _{FP}	Input	Metering on change of occupancy (Selectives)	Properties	000's		0.00	8.71	16.92	27.10	38.24	48.97	59.44	69.51	74.30	74.06	73.84	73.64	73.45	73.28	73.17	73.11	73.05	72.99	72.95	72.91	72.87	72.83	72.80	72.77	72.74	72.71	72.68	72.66	
6.15 _{FP}	6.13 _{FP} /6.14 _{FP}	Metering on change of occupancy (Selectives)	Occupancy	h/prop	#DIV/0!	0.00	2.66	2.67	2.68	2.70	2.71	2.72	2.73	2.74	2.75	2.76	2.77	2.78	2.78	2.77	2.77	2.76	2.76	2.75	2.74	2.73	2.72	2.71	2.70	2.69	2.67	2.66	2.65	
6.16 _{FP}	Input	Metering on change of occupancy (Selectives)	pcc	l/h/d		0.00	157.27	156.94	156.31	155.87	155.42	155.10	154.81	154.50	154.25	153.98	153.92	153.80	153.34	152.79	151.86	150.65	151.14	151.20	151.35	151.57	151.91	152.10	151.93	151.76	151.45	151.17	151.07	
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										32.78	98.59	164.70	231.14	297.95	363.30	402.34	415.25	428.15	440.96	448.72	452.30	455.89	459.41	462.93	466.08	469.18	472.27	475.29	478.26	
6.22 _{FP}	Input	Compulsory metering	Properties	000's										11.96	35.85	59.67	83.45	107.18	130.87	145.14	150.02	154.90	159.77	163.17	165.07	166.99	168.90	170.82	172.75	174.68	176.61	178.55	180.48	
6.23 _{FP}	6.21 _{FP} /6.22 _{FP}	Compulsory metering	Occupancy	h/prop	#DIV/0!									2.74	2.75	2.76	2.77	2.78	2.78	2.77	2.77	2.76	2.76	2.75	2.74	2.73	2.72	2.71	2.70	2.69	2.67	2.66	2.65	
6.24 _{FP}	Input	Compulsory metering	pcc	l/h/d										154.50	154.25	153.98	153.92	153.80	153.34	152.79	151.86	150.65	151.14	151.20	151.35	151.57	151.91	152.10	151.93	151.76	151.45	151.17	151.07	
6.25 _{FP}	Input	Existing metering	Population	000's		472.52	472.29	471.01	469.71	470.18	469.76	469.36	469.05	468.53	467.87	467.35	466.89	466.54	466.27	466.34	466.75	467.19	467.60	468.10	468.61	469.17	469.69	470.26	470.84	471.41	472.01	472.60	473.18	
6.26 _{FP}	Input	Existing metering	Properties	000's		236.26	236.14	235.51	234.85	234.15	233.48	232.82	232.20	231.49	230.71	229.99	229.32	228.70	228.11	227.71	227.46	227.23	226.99	226.79	226.60	226.43	226.25	226.09	225.93	225.77	225.63	225.48	225.33	
6.27 _{FP}	6.25 _{FP} /6.26 _{FP}	Existing metering	Occupancy	h/prop	#DIV/0!	2.00	2.00	2.00	2.00	2.01	2.01	2.02	2.02	2.02	2.03	2.03	2.04	2.04	2.04	2.05	2.05	2.06	2.06	2.06	2.07	2.07	2.08	2.08	2.08	2.09	2.09	2.10	2.10	
6.28 _{FP}	Input	Existing metering	pcc	l/h/d		148.07	148.24	148.29	148.04	147.81	147.19	146.58	145.98	145.47	144.97	144.49	144.01	143.55	143.00	142.51	141.69	140.89	140.44	140.00	139.57	139.15	138.73	138.32	137.92	137.52	137.13	136.75	136.57	

Company: Essex & Suffolk Water
Resource Zone Name: Essex
Resource Zone Number: 1 of 4
Planning Scenario Name: Dry Year (except where stated otherwise)
Chosen Level of Service: Company Specified

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		39.07	38.85	38.64	38.43	38.23	38.04	37.85	37.67	37.49	37.33	37.16	37.01	36.86	36.71	36.57	36.43	36.30	36.18	36.06	35.94	35.83	35.72	35.62	35.52	35.42	35.33	35.24	35.16	
7.2	Input	Personal Washing	l/h/d		68.51	69.36	69.76	70.12	70.49	70.88	71.28	71.69	72.05	72.41	72.79	73.18	73.57	73.88	74.19	74.51	74.84	75.17	75.51	75.86	76.21	76.57	76.93	77.31	77.69	78.08	78.47	78.88	
7.3	Input	Clothes Washing	l/h/d		15.95	15.01	14.99	14.94	14.96	14.87	14.82	14.78	14.72	14.66	14.56	14.50	14.40	14.27	14.10	13.52	12.90	12.86	12.78	12.71	12.64	12.58	12.48	12.35	12.21	12.05	11.88	11.94	
7.4	Input	Dishwashing	l/h/d		11.59	11.42	11.30	11.17	11.09	10.96	10.85	10.75	10.64	10.53	10.42	10.32	10.20	10.08	9.95	9.90	9.85	9.82	9.77	9.72	9.68	9.64	9.59	9.53	9.47	9.40	9.33	9.27	
7.5	Input	Outdoor Total Use	l/h/d		13.25	13.14	12.95	12.71	12.54	12.40	12.32	12.24	12.16	12.09	12.00	11.96	11.89	11.80	11.81	11.82	11.83	11.87	11.88	11.90	11.92	11.95	11.96	11.94	11.93	11.90	11.87	11.85	
7.6	Input	General Use	l/h/d		16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	
7.7	Input	Dry Year Increase	l/h/d		7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	
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	172.51	171.92	171.77	171.50	171.44	171.27	171.25	171.25	171.20	171.15	171.07	171.09	171.05	170.87	170.75	170.32	169.86	170.02	170.12	170.25	170.40	170.58	170.71	170.78	170.84	170.88	170.93	171.21	
7.20	Input	Toilet Flushing	l/h/d		39.50	39.26	39.03	38.81	38.59	38.39	38.18	37.99	37.80	37.62	37.44	37.27	37.11	36.95	36.80	36.65	36.51	36.37	36.24	36.11	35.99	35.88	35.76	35.65	35.55	35.45	35.35	35.26	
7.21	Input	Personal Washing	l/h/d		63.20	64.10	64.54	64.95	65.37	65.63	65.88	66.14	66.48	66.83	67.18	67.54	67.91	68.19	68.48	68.78	69.07	69.37	69.67	69.98	70.29	70.60	70.92	71.24	71.57	71.90	72.23	72.57	
7.22	Input	Clothes Washing	l/h/d		16.14	15.78	15.89	15.96	16.03	15.99	15.95	15.91	15.87	15.83	15.78	15.73	15.68	15.63	15.59	15.13	14.67	14.54	14.42	14.29	14.16	14.03	13.90	13.76	13.62	13.48	13.34	13.39	
7.23	Input	Dishwashing	l/h/d		10.43	10.33	10.30	10.25	10.19	10.03	9.86	9.70	9.54	9.37	9.21	9.04	8.88	8.71	8.55	8.48	8.42	8.35	8.28	8.22	8.15	8.09	8.02	7.96	7.90	7.83	7.77	7.71	
7.24	Input	Outdoor Use	l/h/d		5.98	5.93	5.89	5.84	5.78	5.73	5.68	5.62	5.57	5.52	5.47	5.42	5.36	5.31	5.30	5.28	5.27	5.25	5.24	5.22	5.21	5.19	5.18	5.16	5.15	5.13	5.12	5.10	
7.25	Input	General Use	l/h/d		7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	
7.26	Input	Dry Year Increase	l/h/d		1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	
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	143.75	143.92	144.16	144.31	144.48	144.27	144.06	143.87	143.76	143.67	143.58	143.51	143.46	143.32	143.23	142.83	142.44	142.40	142.37	142.34	142.32	142.30	142.29	142.29	142.29	142.30	142.32	142.54	

Company:	Essex & Suffolk Water
Resource Zone Name	Essex
Resource Zone Number:	1 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		39.07	38.85	38.64	38.43	38.23	38.04	37.85	37.67	37.49	37.33	37.16	37.01	36.86	36.71	36.57	36.43	36.30	36.18	36.06	35.94	35.83	35.72	35.62	35.52	35.42	35.33	35.24	35.16
7.2	Input	Personal Washing	l/h/d		68.51	69.36	69.76	70.12	70.49	70.88	71.28	71.69	72.05	72.41	72.79	73.18	73.57	73.88	74.19	74.51	74.84	75.17	75.51	75.86	76.21	76.57	76.93	77.31	77.69	78.08	78.47	78.88
7.3	Input	Clothes Washing	l/h/d		15.95	15.01	14.99	14.93	14.95	14.92	14.95	14.96	15.01	15.10	15.17	15.32	15.43	15.41	15.18	14.12	12.78	13.11	13.22	13.36	13.52	13.73	13.86	13.82	13.77	13.65	13.53	13.60
7.4	Input	Dishwashing	l/h/d		11.59	11.42	11.30	11.17	11.08	10.97	10.88	10.79	10.70	10.62	10.53	10.48	10.39	10.23	10.03	10.10	10.15	10.25	10.25	10.27	10.31	10.37	10.39	10.34	10.29	10.21	10.14	10.06
7.5	Input	Outdoor Total Use	l/h/d		13.25	13.14	12.95	12.71	12.53	12.39	12.31	12.23	12.15	12.06	11.98	11.98	11.97	11.89	11.96	12.18	12.38	12.67	12.78	12.94	13.12	13.36	13.53	13.55	13.58	13.54	13.52	13.49
7.6	Input	General Use	l/h/d		16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83
7.7	Input	Dry Year Increase	l/h/d		7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30	7.30
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	172.51	171.92	171.77	171.49	171.42	171.33	171.39	171.46	171.53	171.66	171.77	172.09	172.35	172.26	172.07	171.47	170.59	171.50	171.94	172.49	173.12	173.87	174.46	174.67	174.88	174.94	175.04	175.32
7.20	Input	Toilet Flushing	l/h/d		39.50	39.26	39.03	38.81	38.59	38.39	38.18	37.99	37.80	37.62	37.44	37.27	37.11	36.95	36.80	36.65	36.51	36.37	36.24	36.11	35.99	35.88	35.76	35.65	35.55	35.45	35.35	35.26
7.21	Input	Personal Washing	l/h/d		63.20	64.10	64.54	64.95	65.37	65.63	65.88	66.14	66.48	66.83	67.18	67.54	67.91	68.19	68.48	68.78	69.07	69.37	69.67	69.98	70.29	70.60	70.92	71.24	71.57	71.90	72.23	72.57
7.22	Input	Clothes Washing	l/h/d		16.14	15.78	15.89	15.96	16.03	15.99	15.95	15.91	15.87	15.83	15.78	15.74	15.69	15.64	15.59	15.13	14.66	14.54	14.42	14.29	14.16	14.03	13.89	13.76	13.62	13.48	13.34	13.39
7.23	Input	Dishwashing	l/h/d		10.43	10.33	10.30	10.25	10.19	10.03	9.87	9.70	9.54	9.37	9.21	9.04	8.88	8.71	8.55	8.48	8.42	8.35	8.28	8.22	8.15	8.09	8.02	7.96	7.90	7.83	7.77	7.71
7.24	Input	Outdoor Use	l/h/d		5.98	5.93	5.89	5.84	5.78	5.73	5.68	5.62	5.57	5.52	5.47	5.42	5.36	5.31	5.30	5.28	5.27	5.25	5.24	5.22	5.21	5.19	5.18	5.16	5.15	5.13	5.12	5.10
7.25	Input	General Use	l/h/d		7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
7.26	Input	Dry Year Increase	l/h/d		1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
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	143.75	143.92	144.16	144.31	144.48	144.27	144.07	143.87	143.77	143.67	143.59	143.52	143.46	143.32	143.23	142.83	142.44	142.40	142.36	142.33	142.31	142.30	142.29	142.29	142.29	142.30	142.32	142.54

Company:	Essex & Suffolk Water
Resource Zone Name:	Essex
Resource Zone Number:	1 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		1.28	1.29	1.26	1.24	1.21	1.20	1.18	1.16	1.14	1.13	1.11	1.10	1.09	1.08	1.07	1.06	1.04	1.04	1.03	1.04	1.04	1.05	1.06	1.07	1.08	1.09	1.10
8.2	Input	Extraction of metals, minerals and energy producing materials	B5, B6, B7, B8, B9	MI/d		0.28	0.26	0.24	0.23	0.22	0.22	0.21	0.20	0.20	0.20	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18
8.3	Input	Food and drink (manufacture)	C10, C11, C12	MI/d		6.12	6.05	5.83	5.68	5.57	5.50	5.43	5.37	5.29	5.25	5.21	5.17	5.11	5.09	5.06	5.04	5.00	5.00	4.98	5.02	5.05	5.10	5.15	5.19	5.22	5.27	5.32
8.4	Input	Textile, fur and leather (manufacture)	C13, C14, C15	MI/d		0.10	0.11	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15
8.5	Input	Other manufacturing	C16, C26, C27, C31, C32, C33	MI/d		1.52	1.57	1.56	1.57	1.57	1.59	1.61	1.63	1.64	1.67	1.69	1.72	1.74	1.77	1.80	1.83	1.86	1.90	1.94	1.95	1.97	1.99	2.00	2.02	2.03	2.05	2.07
8.6	Input	Paper (manufacture)	C17, C18	MI/d		0.37	0.38	0.37	0.37	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.53	0.53	0.54
8.7	Input	Fuel refining	C19	MI/d		8.12	7.68	7.14	6.73	9.46	9.06	8.68	8.30	7.93	7.62	7.31	7.02	6.73	6.48	6.23	5.99	5.75	5.54	5.34	5.38	5.41	5.47	5.52	5.56	5.59	5.65	5.70
8.8	Input	Chemicals, rubbers, plastics and man-made material (manufacture)	C20, C21, C22	MI/d		3.40	3.27	3.11	3.01	2.93	2.88	2.83	2.79	2.74	2.71	2.68	2.66	2.63	2.61	2.59	2.58	2.56	2.56	2.55	2.57	2.59	2.61	2.64	2.66	2.67	2.70	2.72
8.9	Input	Manufacture of non-metallic minerals	C23	MI/d		2.24	2.37	2.39	2.40	2.40	2.41	2.41	2.41	2.41	2.42	2.42	2.43	2.43	2.45	2.46	2.47	2.48	2.51	2.53	2.55	2.56	2.59	2.61	2.63	2.65	2.68	2.70
8.10	Input	Manufacture of basic metals, fabricated metal products and	C24, C25, C28, C29	MI/d		0.57	0.62	0.63	0.64	0.65	0.67	0.68	0.69	0.70	0.72	0.73	0.75	0.76	0.78	0.80	0.83	0.84	0.87	0.90	0.90	0.91	0.92	0.93	0.93	0.94	0.95	0.96
8.11	Input	Transportation and manufacture of transport equipment	C30, H49, H50, H51, H52, H53	MI/d		6.54	6.63	6.58	6.59	6.63	6.73	6.82	6.92	7.00	7.13	7.26	7.39	7.51	7.68	7.83	8.00	8.15	8.36	8.56	8.63	8.67	8.77	8.84	8.91	8.96	9.06	9.14
8.12	Input	Electricity, gas and water supplies	D35, E36, E37, E38, E39	MI/d		4.43	4.56	4.53	4.51	4.49	4.49	4.49	4.48	4.46	4.46	4.46	4.46	4.45	4.47	4.48	4.48	4.48	4.50	4.51	4.55	4.58	4.63	4.67	4.71	4.73	4.79	4.83
8.13	Input	Construction	F41, F42, F43	MI/d		1.04	1.06	1.03	1.00	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.77	0.75	0.73	0.72	0.70	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75
8.14	Input	Wholesale and retail	G45, G46, G47	MI/d		7.05	7.02	6.80	6.64	6.51	6.43	6.35	6.27	6.18	6.13	6.08	6.03	5.97	5.95	5.92	5.90	5.87	5.87	5.86	5.91	5.95	6.01	6.06	6.11	6.14	6.21	6.26
8.15	Input	Hotels, bars and restaurants	I55, I56	MI/d		5.54	5.46	5.24	5.09	4.96	4.88	4.80	4.73	4.64	4.59	4.53	4.47	4.41	4.38	4.34	4.31	4.27	4.25	4.23	4.26	4.29	4.33	4.37	4.41	4.43	4.48	4.52
8.16	Input	Other services	J, K, L, M, N, O, R, S, T, U	MI/d		18.59	18.31	17.77	17.44	17.21	17.14	17.06	16.99	16.89	16.90	16.90	16.93	16.92	17.03	17.11	17.21	17.28	17.47	17.63	17.78	17.87	18.07	18.22	18.37	18.47	18.68	18.83
8.17	Input	Education and Health	P, Q	MI/d		11.75	11.45	10.96	10.61	10.33	10.15	9.98	9.81	9.62	9.50	9.37	9.25	9.12	9.05	8.95	8.87	8.78	8.74	8.68	8.75	8.80	8.90	8.97	9.05	9.10	9.20	9.27
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>Essex</u>
Resource Zone Number:	<u>1 of 4</u>
Planning Scenario Name:	<u>Dry Year (except where stated otherwise)</u>
Chosen Level of Service:	<u>Company Specified</u>

Table WRP9: Normal year final planning supply-demand components

ROW Ref.	DERIVATION	DESCRIPTION	UNITS	Scenario Year 2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35			
BASIC RESOURCES NORMAL YEAR																																			
3 _N	Input	Outage Allowance	Mi/d																																
5 _N	Input	Water Available For Use (own sources)	Mi/d																																
RAW WATER NORMAL YEAR																																			
6 _N	Input	Raw Water Abstracted	Mi/d																																
7 _N	Input	Raw Water Exported (existing)	Mi/d																																
8 _N	Input	Raw Water Imported (existing)	Mi/d																																
9 _N	Input	Raw Water Losses and Operational Use	Mi/d																																
10 _N	Input	Non Potable Supplies (existing)	Mi/d																																
POTABLE WATER TO POINT OF DELIVERY NORMAL YEAR																																			
11 _N	Input	Treatment Works Losses and Operational Use	Mi/d																																
12 _N	Input	Potable Water Exported	Mi/d																																
13 _N	Input	Potable Water Imported	Mi/d																																
14 _N	Input	Distribution Input	Mi/d																																
15 _N	Input	Distribution Losses	Mi/d																																
16 _N	Input	Distribution System Operational Use	Mi/d																																
17 _N	14 _N -15 _N -16 _N	Essex and Suffolk Water	Mi/d	0.00																															
POTABLE WATER DELIVERED NORMAL YEAR																																			
32 _N	Input	Water Taken Unbilled	Mi/d		6.72	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	
33 _N	Input	Water Delivered Unmeasured Household	Mi/d		183.34	176.14	170.52	163.78	155.87	147.72	139.25	130.96	119.84	105.97	92.45	79.12	66.08	53.49	45.75	42.39	39.15	36.20	34.37	33.14	31.89	30.59	29.42	28.51	27.60	26.77	25.92	25.11			
34 _N	Input	Unmeasured Household - USPL	Mi/d		14.57	13.11	12.25	11.33	10.40	9.50	8.63	7.80	6.82	5.71	4.67	4.02	3.38	2.74	2.37	2.24	2.11	1.99	1.90	1.85	1.80	1.75	1.70	1.65	1.60	1.55	1.50	1.45			
35 _N	33 _N -34 _N	Unmeasured Household - Consumption	Mi/d	0.00	168.77	163.03	158.28	152.45	145.47	138.22	130.62	123.16	113.03	100.26	87.79	75.10	62.71	50.75	43.39	40.15	37.04	34.21	32.46	31.29	30.09	28.84	27.72	26.86	26.00	25.22	24.42	23.67			
36 _N	Input	Unmeasured Household - PCC	l/h/d		165.20	164.62	164.27	163.61	163.14	162.66	162.33	162.02	161.70	161.43	161.15	161.08	160.96	160.48	159.89	158.91	157.63	158.15	158.21	158.37	158.60	158.96	159.17	158.98	158.80	158.47	158.18	158.07			
37 _N	Input	Water Delivered Measured Household	Mi/d		74.71	81.16	87.40	93.70	101.69	109.59	117.76	125.86	136.52	149.66	162.60	175.81	188.76	200.93	208.92	212.32	215.17	219.81	222.69	225.39	227.67	230.30	232.41	234.09	235.80	237.03	238.46	240.10			
38 _N	Input	Measured Household - USPL	Mi/d		5.17	5.31	5.63	5.98	6.38	6.79	7.22	7.65	7.96	8.15	8.33	8.51	8.67	8.83	8.97	9.10	9.21	9.35	9.45	9.58	9.68	9.80	9.90	9.98	10.07	10.14	10.22	10.30			
39 _N	37 _N -38 _N	Measured Household - Consumption	Mi/d	0.00	69.54	75.85	81.77	87.72	95.32	102.80	110.54	118.22	128.56	141.51	154.28	167.30	180.09	192.10	199.94	203.22	205.96	210.46	213.23	215.81	217.99	220.50	222.52	224.11	225.72	226.89	228.24	229.80			
40 _N	Input	Measured Household - PCC	l/h/d		147.17	147.49	147.74	146.82	146.50	145.83	145.20	144.62	144.32	144.24	144.16	144.14	144.12	143.90	143.48	142.65	141.72	141.72	141.53	141.34	141.23	141.16	141.04	140.77	140.50	140.19	139.90	139.74			
41 _N	Input	Water Delivered Unmeasured Non Household	Mi/d		1.79	1.75	1.75	1.74	1.73	1.72	1.71	1.70	1.70	1.69	1.68	1.67	1.66	1.66	1.65	1.64	1.63	1.62	1.62	1.61	1.60	1.59	1.59	1.58	1.57	1.56	1.56	1.55			
42 _N	Input	Unmeasured Non Household - USPL	Mi/d		0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09			
43 _N	41 _N -42 _N	Unmeasured Non Household - Consumption	Mi/d	0.00	1.68	1.65	1.64	1.63	1.62	1.62	1.61	1.60	1.59	1.59	1.58	1.57	1.56	1.56	1.55	1.54	1.53	1.53	1.52	1.51	1.50	1.50	1.49	1.48	1.48	1.47	1.46	1.45			
44 _N	Input	Water Delivered Measured Non Household	Mi/d		78.93	78.09	75.59	73.85	75.60	74.81	73.96	73.17	72.24	71.82	71.32	70.92	70.41	70.35	70.17	70.08	69.87	70.12	70.24	70.82	71.21	71.99	72.59	73.19	73.59	74.41	75.02	75.65			
45 _N	Input	Measured Non Household - USPL	Mi/d		0.52	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.60	0.60	0.61	0.61	0.61	0.62			
46 _N	44 _N -45 _N	Measured Non Household - Consumption	Mi/d	0.00	78.41	77.58	75.07	73.33	75.08	74.28	73.43	72.63	71.70	71.27	70.77	70.37	69.85	69.79	69.61	69.51	69.30	69.54	69.65	70.23	70.62	71.40	71.99	72.59	72.99	73.80	74.41	75.03			
47 _N	Input	Void Properties - USPL	Mi/d		1.30	1.17	1.14	1.12	1.09	1.06	1.03	1.00	0.96	0.92	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.94	0.95	0.96	0.97	0.97	0.98	0.98	0.99	1.00			
LEAKAGE NORMAL YEAR																																			
48 _N	Input	Total Leakage	Mi/d		64.07	61.00	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	60.60	
49 _N	Input	Total Leakage	l/pr/d		98.62	93.16	91.87	91.26	90.39	89.37	88.24	87.11	85.97	84.87	83.85	82.77	81.80	80.88	79.99	79.16	78.45	77.62	76.98	76.23	75.63	74.97	74.43	73.94	73.44	73.05	72.62	72.19			
SUPPLY DEMAND BALANCE NORMAL YEAR																																			
50 _N	5 _N +(8 _N +12 _N)-(7 _N +13 _N)	Total Water Available For Use	Mi/d	0.00																															
51 _N	Input	Available Headroom	Mi/d																																
52 _N	Input	Target Headroom	Mi/d	0.00																															
53 _N	51 _N -52 _N	Supply Demand Balance	Mi/d	0.00																															

Company: Essex & Suffolk Water
Resource Zone Name: Essex
Resource Zone Number: 1 of 4
Planning Scenario Name: Dry Year (except where stated otherwise)
Chosen Level of Service: Company Specified