

**Extract from *Every Drop Counts Achieving greater water efficiency* – IPPR
September 2006**

Appendix 2a Calculations on water company activity on water efficiency (Average annual basis)

WATER EFFICIENCY MEASURES (not including supply pipe leakage)									
company	Av. annual expenditure ¹ (£) (2002-2005)	water savings ² (Ml/d)	Expenditure ¹ (£K) per Ml/d saved ²	Population (average over period)	Expenditure per person (£)	Savings per person (l/d)	No. billed properties ⁴	Expenditure per property (£)	Savings per property (l/d)
Cambridge	35,016	0.0833	420	293,650	0.119	0.284	119,826	0.292	0.695
Tendring Hundred	8,741	0.023	380	148,690	0.059	0.155	69,216	0.126	0.332
Portsmouth	5,379	0.018	299	672,120	0.008	0.026	287,849	0.019	0.063
Sutton & E. Surrey Bournemouth/W. Hants ³	98,270	0	n/a	641,520	0.153	0	262,823	0.374	0
3 Valleys	69,781	0.121	577	423,900	0.165	0.285	185,287	0.377	0.653
Mid Kent ³	287,473	0.0068	42,275	3,032,520	0.095	0.002	1,213,245	0.237	0.006
Anglian	91,375	0.769	119	580,973	0.157	1.324	237,021	0.386	3.24
Southern ³	776,011	1.2	647	4,227,860	0.184	0.284	1,913,447	0.406	0.627
Essex and Suffolk	41,675	0.2733	152	2,280,410	0.018	0.12	990,328	0.042	0.276
Thames	481,803	0.3688	1,306	1,767,990	0.273	0.209	727,428	0.662	0.506
Folkestone & Dover	420,223	1.272	330	8,131,980	0.05	0.156	3,389,121	0.124	0.375
South East Water ³	1,100	0.011	100	159,620	0.007	0.069	70,433	0.016	0.156
Greater South East	Total: 2,612,707	Total: 4.612	Average: 3936	Total: 23,749,273	Average: 0.115	Average: 0.250	Total: 10,043,150	Average: 0.275	Average: 0.596
Northumbrian (N)	295,860	0.4733	625	1,388,040	0.213	0.341	577,126	0.513	0.82
Wessex	241,274	0.15	1,608	2,487,500	0.097	0.06	1,089,692	0.221	0.138
Yorkshire	59,405	0.013	4,570	1,209,210	0.049	0.011	525,842	0.113	0.275
Bristol	133,802	5.56	24	4,666,400	0.029	1.19	2,007,050	0.067	2.77
Dee Valley ³	539,460	0.009	59,940	1,058,050	0.509	0.0085	472,724	1.14	0.019
South Staffordshire	n/a	0	n/a	257,300	n/a	n/a	112,488	0.026	n/a
United Utilities	81,512	0.267	305	1,234,570	0.066	0.22	530,628	0.154	0.503
South West	111,814	0.21	532	6,694,890	0.017	0.031	2,945,296	0.038	0.071
Dwr Cymru	155,296	2.85	54.5	1,554,020	0.1	1.83	713,404	0.218	3.995
	42,032	0	n/a	2,846,770	0.0015	0	1,262,337	0.033	0

Severn Trent	272,156	1.9	143	7,281,640	0.037	0.261	3,224,000	0.084	0.589
England and Wales	Total:	Total:	Average:	Total:	Average:	Average:	Total:	Average:	Average:
	4,249,458	15.58	5720	53,039,623	0.109	0.327	22,926,611	0.246	0.721

Notes

¹ Costs for three years 2002-03, 2003-04 and 2004-05, all transformed to 2004-05 prices, the first two years being adjusted upwards for inflation by the RPI. Costs may include research, water fitting regulations enforcement and other activities that may not directly relate to attributable water savings. Metering costs and savings are not included under water efficiency and water companies do not report costs of metering separately.

² Savings figures have been given with variable levels of confidence and should be treated with caution. The lifetime of savings is not accounted for.

³ Data is not available or not clear for all years from 2002-03, 2003-04 and 2004-05.

⁴ Includes measured and unmeasured households and non-households.

Water efficiency measures may include those targeted at businesses, schools, hospitals etc as well as households.

Source: Data sourced from June return 2005, table 1, supplied by Ofwat. Specific data on costs and water savings of water efficiency measures were sourced from company and auditor appendices to Table 1 of the June returns for each year 2002-03, 2003-04 and 2004-05

Appendix 2b Calculations on water company activity on supply pipe leakage (Average annual basis)

SUPPLY PIPE LEAKAGE									
company	Av. annual expenditure ¹ (£) (2002-2005)	Water savings ² (MI/d)	Expenditure (£K) per MI/d saved	Population (av. over period)	Expenditure per person (£)	Savings ² per person (l/d)	No. of billed properties ⁴	Expenditure per property (£)	Savings per property (l/d)
Cambridge	60,812	0.1	608	293,650	0.21	0.34	119,826	0.508	0.835
Tendring Hundred	35,876	0.01	3,588	148,690	0.24	0.07	69,216	0.52	0.144
Portsmouth	42,674	0.09	474	672,120	0.063	0.134	287,849	0.148	0.313
Sutton & E. Surrey	115,241	0.069	1,670	641,520	0.18	0.108	262,823	0.438	0.263
Bournemouth/W. Hants ³	105,805	0.23	460	423,900	0.25	0.543	185,287	0.57	1.24
3 Valleys	737,119	0.82	898	3,032,520	0.24	0.27	1,213,245	0.608	0.676
Mid Kent ³	106,728	0.599	178	580,973	0.18	1.031	237,021	0.45	2.527
Anglian	1,830,578	3.68	497	4,227,860	0.43	0.87	1,913,447	0.957	1.923
Southern ³	905,094	6.76	134	2,280,410	0.4	2.96	990,328	0.914	6.826
Essex and Suffolk ⁵	509,111	1.09	467	1,767,990	0.29	0.617	727,428	0.7	1.498
Thames	4,630,737	22.2	209	8,131,980	0.57	2.73	3,389,121	1.502	6.55
Folkestone & Dover	197,270	0.08	2,466	159,620	1.24	0.501	70,433	2.8	1.136
South East Water ³	1,405,000	0.43	3267	1,388,040	1.01	0.31	577,126	2.43	0.745
Greater South East	Total: 15,264,041	Total: 36.158	Average: 1,128	Total: 23,749,273	Average: 0.408	Average: 0.806	Total: 10,043,150	Average: 0.965	Average: 1.898
Northumbrian (N)	197,170	0.85	232	2,487,500	0.08	0.03	1,089,692	0.181	0.78
Wessex	1,366,584	0.1	13,666	1,209,210	1.13	0.08	525,842	2.599	0.19
Yorkshire	1,220,367	0.6	2,034	4,666,400	0.26	0.13	2,007,050	0.608	0.299
Bristol	158,398	0.59	158	1,058,050	0.15	0.56	472,724	0.335	1.249
Dee Valley ³	n/a	0.25	n/a	257,300	n/a	0.97	112,488	0.301	2.222
South Staffordshire	419,881	0.16	2,624	1,234,570	0.34	0.13	530,628	0.791	0.302
United Utilities	183,262	0.02	91,618	6,694,890	0.27	0.003	2,945,296	0.62	0.007
South West	1,658,462	2.71	612	1,554,020	1.07	1.74	713,404	2.325	3.799
Dwr Cymru	435,853	2.65	164	2,846,770	0.15	0.93	1,262,337	0.345	2.099
Severn Trent	3,094,158	2.69	1,150	7,281,640	0.42	0.37	3,224,000	0.96	0.834
England and Wales	Total: 25,647,276	Total: 46.778	Average: 5769	Total: 53,039,623	Average: 0.417	Average: 0.67	Total: 22,926,611	Average: 0.94	Average: 1.590

Notes

¹ Costs for three years 2002-03, 2003-04 and 2004-05, all transformed to 2004-05 prices, the first two years being adjusted upwards for inflation by the RPI. Costs may include some other activities that may not directly relate to attributable water savings.

² Savings figures have been given with variable levels of confidence and should be treated with caution. The lifetime of savings is not accounted for.

³ Data is not available or not clear for all years from 2002-03, 2003-04 and 2004-05.

⁴ Includes measured and unmeasured households and non-households.

⁵ Essex and Suffolk's supply pipe leakage costs data was adjusted for 2004-05 following new information from the 2006 June returns (source: Ofwat)

Source: Data sourced from June return 2005, table 1 and table 7 supplied by Ofwat. Specific data on costs and water savings of supply pipe measures were checked against company and auditor commentaries to Table 1 of the June returns for each year 2002-03, 2003-04 and 2004-05