

The individual authorities' bills are as follows with the sewerage bill including the environmental service charge element which was only calculated separately from 1976/77. Households not connected to the sewerage system are only billed for the environmental services such as fisheries, recreation, navigation and pollution alleviation. The average environmental charge is £1.13 in 1985/86.

6C. Average household bills for water and sewerage

(i) Water supply

	1975/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84	84/85	85/86
	£	£	£	£	£	£	£	£	£	£	£
Anglian	13.54	16.96	19.96	18.80	22.04	28.93	32.76	35.80	36.20	37.93	41.93
Northumbrian	14.04	16.50	19.95	19.35	19.35	23.70	28.05	32.95	36.90	40.90	43.71
North West	13.60	15.10	16.90	18.94	20.74	26.50	29.33	31.15	31.15	31.70	36.09
Severn Trent	12.40	15.15	15.71	16.17	18.55	22.38	26.56	29.57	30.27	31.40	33.84
Southern	13.80	15.00	17.40	19.00	20.00	26.00	29.10	32.60	34.10	35.60	39.20
South West	16.45	20.25	23.69	24.11	27.50	31.68	35.98	39.07	41.27	42.70	44.52
Thames	10.97	13.39	15.02	18.01	20.28	25.44	27.66	30.71	34.46	36.46	40.13
Welsh	20.50	23.35	26.08	23.35	26.34	31.68	38.11	45.72	47.76	47.76	52.71
Wessex	13.50	17.46	21.29	23.63	29.12	33.48	36.76	38.58	39.55	40.10	43.68
Yorkshire	12.72	14.86	17.66	20.64	22.74	28.14	31.22	34.48	35.95	38.08	42.58
England/Wales	13.31	15.81	17.74	18.99	21.35	26.54	30.11	33.18	34.87	36.18	40.07

(ii) Sewerage (including environmental service charge)

Anglian	17.58	26.52	26.16	26.22	26.79	34.08	41.08	46.86	51.60	56.03	64.05
Northumbrian	7.50	10.29	13.05	15.30	15.30	18.75	21.00	24.10	27.45	35.33	37.72
North West	11.66	14.72	15.04	15.68	17.16	20.30	25.24	28.71	32.01	36.55	41.48
Severn Trent	14.23	21.15	19.96	19.78	21.96	26.61	30.22	32.87	34.36	36.48	42.32
Southern	19.64	19.32	22.96	23.20	23.80	30.60	37.90	41.80	44.26	46.70	52.52
South West	18.56	25.16	24.57	25.57	27.07	35.04	39.24	42.17	46.69	50.78	60.07
Thames	10.83	14.43	14.29	17.23	18.50	22.33	25.81	30.44	33.79	36.95	40.62
Welsh	16.86	20.56	21.58	20.76	23.35	28.14	30.57	35.62	38.59	45.01	51.20
Wessex	17.73	24.59	23.94	23.64	28.10	31.96	36.11	39.91	42.01	45.49	51.67
Yorkshire	12.47	16.51	15.36	14.96	16.62	20.90	26.00	30.82	32.83	34.56	39.72
England/Wales	14.13	18.86	18.27	19.01	20.63	25.44	29.90	33.91	37.13	40.67	45.93

(iii) Total water services

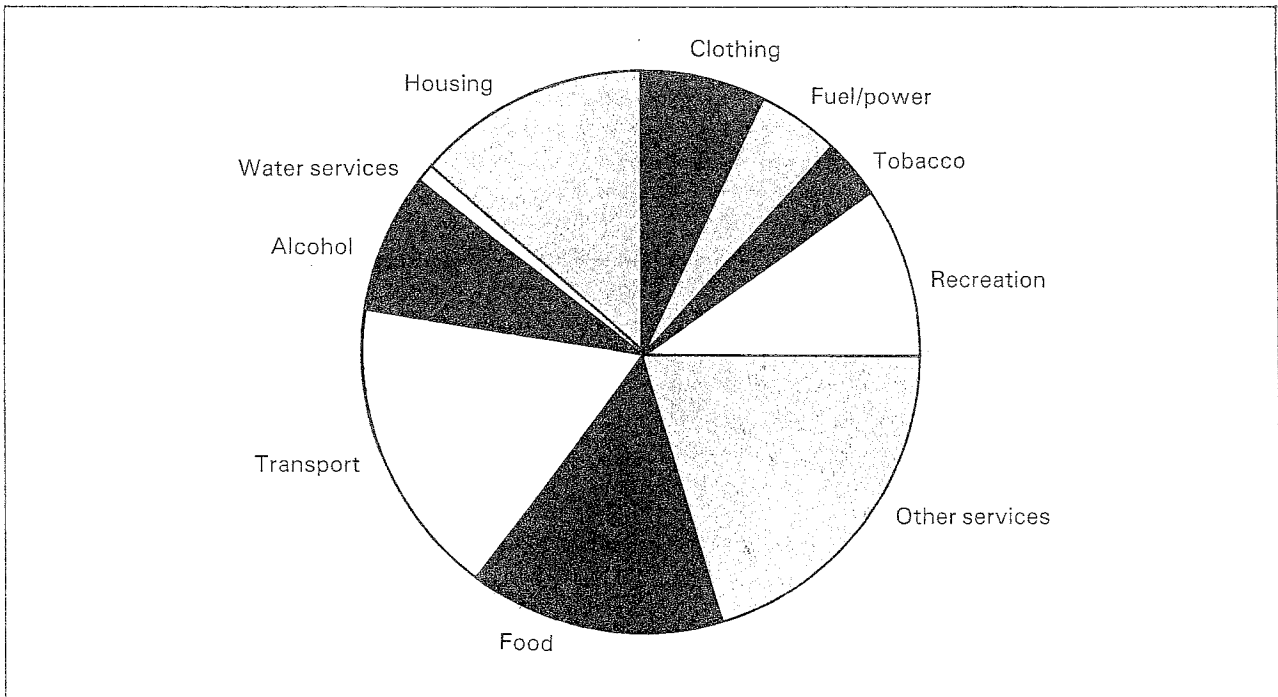
Anglian	31.12	43.48	46.12	45.02	48.83	63.01	75.08	82.66	87.80	93.96	105.98
Northumbrian	21.54	26.79	33.45	35.10	35.10	43.65	50.25	58.05	65.35	77.23	82.43
North West	25.26	29.82	31.94	34.62	37.90	46.80	54.57	59.86	63.16	68.25	77.57
Severn Trent	26.63	36.30	35.67	35.95	40.51	48.99	56.78	62.44	64.63	67.88	76.16
Southern	33.44	34.32	40.36	42.20	43.80	56.60	67.00	74.40	78.36	82.30	91.72
South West	35.01	45.41	48.26	49.68	54.57	66.72	75.22	81.24	87.96	93.48	104.59
Thames	21.80	28.15	29.31	34.66	38.62	47.82	54.47	60.77	66.74	73.41	80.75
Welsh	37.36	43.91	47.66	44.11	49.69	59.82	68.68	81.35	86.35	92.77	103.91
Wessex	31.23	42.05	45.23	47.27	57.22	65.44	72.87	78.49	81.56	85.59	95.35
Yorkshire	25.19	31.37	33.02	35.60	39.36	49.04	57.22	65.30	68.78	72.64	82.30
England/Wales	27.44	34.64	36.01	38.00	41.98	51.98	60.01	67.09	72.00	76.85	86.00

6B. Average charges 1987/88

	Average household bill						Measured supply			
	water supply		sewerage		environmental services		total			
	86/87	87/88	86/87	87/88	86/87	87/88	86/87	87/88	86/87	87/88
	£	£	£	£	£	£	£	£	p/m ³	p/m ³
Anglian	47.06	50.01	67.83	72.03	1.80	1.98	116.69	124.03	29.40	31.41
Northumbrian	44.46	46.09	38.88	41.54	1.00	1.00	84.34	88.63	26.08	27.39
North West	39.80	42.50	44.37	47.60	1.02	1.02	85.19	91.12	27.70	29.70
Severn Trent	36.47	39.12	45.70	49.02	1.38	1.39	83.55	89.53	28.80	30.70
Southern	42.30	45.26	56.00	62.43	1.28	1.41	99.58	109.10	25.70	27.50
South West	47.41	49.28	60.75	63.93	2.74	2.84	110.90	116.05	27.80	29.80
Thames	41.33	43.59	40.92	43.16	0.84	0.99	83.17	87.74	22.80	24.22
Welsh	55.21	60.96	56.80	59.50	2.00	2.15	114.02	122.61	32.45	35.19
Wessex	47.87	50.41	57.66	62.41	1.56	1.63	107.09	114.45	29.50	30.90
Yorkshire	46.97	50.66	43.18	46.24	0.82	0.82	90.97	97.72	28.10	29.30
Authorities	43.20	45.82	48.26	51.67	1.24	1.32	92.84	98.81	27.60	29.31

A full series of average water service bills 1976/77 to 1985/86 was given in WATERFACTS 1986.

Fig 6b. Household expenditure



Miscellaneous

£1 will buy 2 litres of bottled water

£1 will buy 3,000 litres of tap water

1m³ of tap water costs 30p

1m³ of bottled water costs £500

6D. Average charges 1989/90

	Average household bill						Measured supply			
	water supply		sewerage		environmental services		total			
	88/89	89/90	88/89	89/90	88/89	89/90	88/89	89/90	88/89	89/90
	£	£	£	£	£	£	£	£	p/m ³	p/m ³
Anglian	55.86	63.69	79.34	88.69	2.18	2.84	137.38	155.22	32.06	33.61
Northumbrian	48.34	49.86	45.29	51.30	1.00	1.00	94.63	102.16	28.46	31.07
North West	46.06	50.99	52.19	57.97	1.19	1.20	99.44	110.16	32.30	35.60
Severn Trent	42.94	47.56	53.27	58.67	1.45	1.08	97.66	107.31	33.50	36.90
Southern	47.72	50.77	66.46	72.54	1.42	1.05	115.60	124.36	29.50	31.40
South West	54.57	61.53	71.07	81.78	2.75	2.96	128.39	146.27	33.50	38.80
Thames	46.09	50.45	45.70	48.80	1.04	0.91	92.83	100.16	25.58	27.96
Welsh	67.60	75.81	64.65	71.35	2.32	2.54	134.57	149.70	35.14	38.61
Wessex	55.24	60.49	70.44	76.77	1.81	1.98	127.49	139.24	32.90	37.60
Yorkshire	54.50	61.82	49.98	58.65	0.82	1.10	105.30	121.57	31.90	36.80
Weighted average	49.58	55.12	56.16	62.24	1.41	1.41	107.25	118.77	31.85	35.22

A full series of average water service bills from 1976/77 were given in earlier WATERFACTS.

6E. Trade effluent charges 1989/90

	Average regional strength		Apportionment of charge							minimum charge
	Os	Ss	R	V	VB	VM	M	B	S	
	mg/l	mg/l	p/m ³	p/m ³	p/m ³	p/m ³	p/m ³	p/m ³	p/m ³	
Anglian	575	342	5.08	7.96	1.54	3.95	4.27	9.34	3.94	54
Northumbrian	386	187	7.86	4.02	-	-	-	7.48	3.79	35
North West	362	245	5.02	4.08	-	3.82	-	4.84	3.03	
Severn Trent	337	292	7.02	6.44	-	-	-	6.70	3.85	65
Southern *	452	512	10.70	9.08	7.81	1.27	1.18	10.30	7.05	55
South West	680	465	14.41	14.46	-	3.00	-	21.90	16.28	53
Thames **	457	333	3.89	4.77	-	-	-	7.52	9.58	69
Welsh	500	350	4.47	3.60	1.43	3.48	5.49	8.32	5.87	
Wessex	802	313	3.84	6.13	0.65	3.82	7.78	14.10	8.3	90
Yorkshire *	971	321	-	10.58	-	-	-	11.07	6.47	74

Total average charge is for the average strength effluent. Trade effluents are charged using the following formula :

$$C = R + ([V + VB] \text{ or } VM \text{ or } M) + B(Ot / Os) + S(St / Ss)$$

where :- C = total charge for trade effluent treatment

R = reception and conveyance charge

V = volumetric and primary treatment cost/m³

VB = additional charge/m³ where there is a biological treatment

VM = treatment and disposal charge for sea outfalls

M = treatment and disposal charge for designated long sea outfalls

Ot = the chemical oxygen demand (COD) of effluent after one hour quiescent settlement at pH7

Os = COD of crude sewage after one hour quiescent settlement

B = biological oxidation cost/m³ of settlement sewage

St = total suspended solids (mg/litre) of the trade effluent at pH7

Ss = the total suspended solids (mg/litre) of crude sewage

S = treatment and disposal costs of primary sludges /m³ of sewage

* Yorkshire minimum charge is £12 if no sampling needed, ** Thames has a system of standing charges