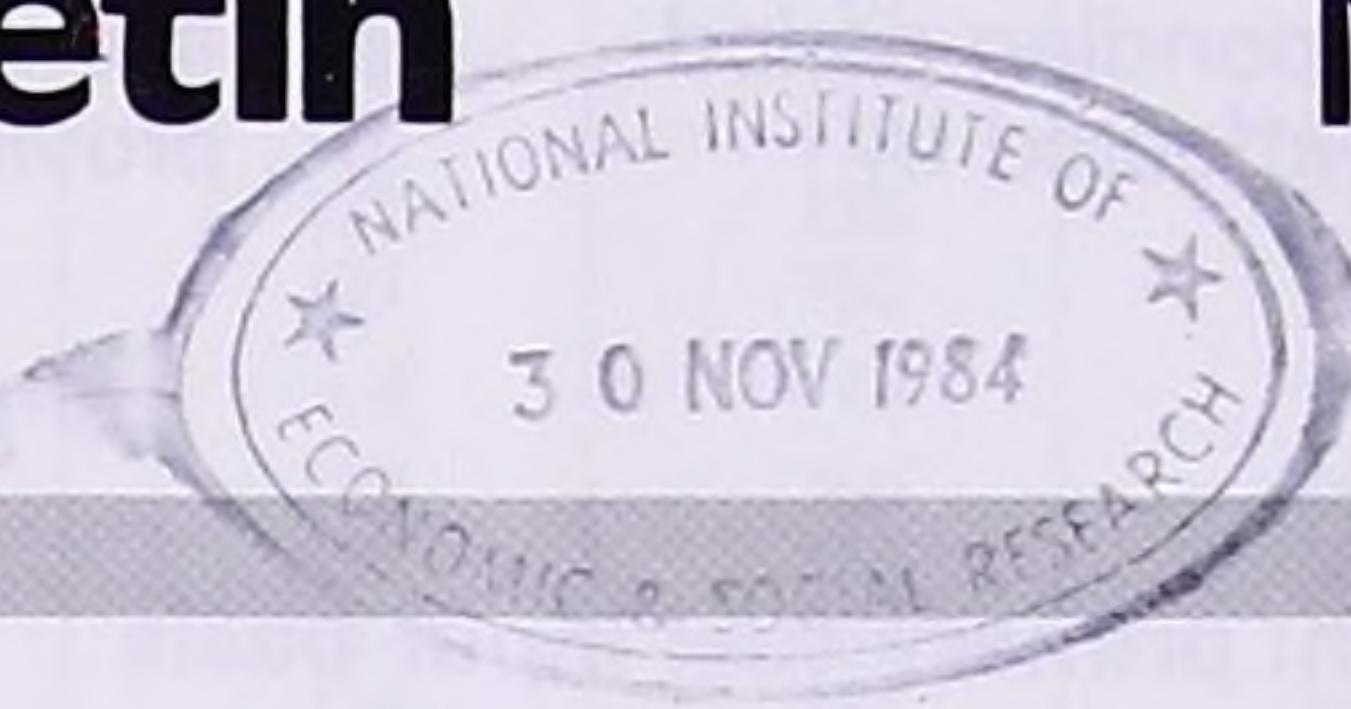


DEPARTMENT OF ENERGY

ENERGY TRENDS

A Statistical Bulletin

NOVEMBER 1984



Total Energy

Total inland energy consumption, on a primary fuel input basis, in the three months July to September 1984 was 1.8 per cent less than in the same period in 1983. Consumption of coal was 47.5 per cent lower, whilst consumption of petroleum and natural gas were 39.4 per cent and 6.6 per cent higher respectively. Consumption of nuclear electricity rose by 6.0 per cent, whilst consumption of hydro-electricity fell by 24.5 per cent.

On a seasonally adjusted and temperature corrected basis total consumption was 3.9 per cent lower. Consumption of coal was down by 48.5 per cent, whilst consumption of petroleum was 35.4 per cent higher and natural gas 5.7 per cent higher.

Fuel Price Indices

Domestic Sector

In **current** terms the price index for fuel, light, petrol and oil increased by two per cent between the third quarter of 1983 and that of 1984, whilst the index for fuel and light only increased by 3 per cent. The coal and coke index rose by 8 per cent and that for gas by 4 per cent over the same period. The electricity price index rose by two per cent, whilst that for heating oils fell by 3 per cent.

The Retail Prices Index (excluding fuels) rose by 5 per cent. Hence in **deflated** terms the price index for fuel, light, petrol and oil fell by 3 per cent between the third quarter of 1983 and that of 1984. The index for fuel and light only fell by two per cent over this period. The coal and coke price index rose by 3 per cent. The gas, electricity and heating oils indices fell by one, 3 and 7 per cent respectively.

Industrial Sector

In **current** terms the price index for all fuels increased by 7 per cent between the second quarter of 1983 and that of 1984. The coal price index fell by one per cent. The price index for heavy fuel oil rose by 18 per cent and the indices for gas and electricity both rose by two per cent.

The Producer Price Index of materials rose by 10 per cent. Hence in **deflated** terms the price index for all fuels fell by 3 per cent between the second quarter of 1983 and that of 1984. The coal price index fell by 10 per cent over this period. The heavy fuel oil price index increased by 7 per cent. The gas and electricity price indices fell by 7 and 8 per cent respectively.

Coal

All the latest figures are provisional.

Total coal production in the three months July to September 1984 was 9.2 million tonnes. Production of deep-mined coal was 5.2 million tonnes, 16.7 million tonnes less than a year ago. Opencast production was 3.6 million tonnes.

Use of coal in this period, at 12.9 million tonnes, was 47.5 per cent lower than in the same period a year ago.

Gas

In the three month period July to September 1984 2,420 million therms of natural gas were supplied into the public supply system, 5.9 per cent more than in the same period in 1983. Indigenous supplies fell by 1.6 per cent, whilst imported supplies rose by 25.4 per cent.

Electricity

During the period July to September 1984 3.2 per cent more electricity was supplied by the public supply system compared with the same period a year ago. Total fuel used, on a coal equivalent basis, was 2.3 per cent higher.

Petroleum

Production of crude oil in the three months July to September 1984 was 29.3 million tonnes. Production of natural gas liquids was 1.1 million tonnes.

Total output of petroleum products increased by 5.3 per cent, with increased output of petroleum gases, motor spirit, kerosene, gas/diesel oil, fuel oil and lubricating oils. Deliveries of petroleum products for inland consumption in the period were 28.6 per cent higher than a year ago, with increased deliveries of butane and propane, motor spirit, aviation turbine fuel, standard burning oil and gas/diesel oil. Fuel oil deliveries increased substantially.

Supplementary Data

Typical Retail Prices of Motor Spirit and Derv

In this month's table typical prices for October 1984 are shown.

SUBSCRIPTION RENEWAL

Enclosed with this edition of ENERGY TRENDS are forms to be used for renewal of subscriptions for 1985. Completed forms should be returned, with the appropriate remittance, by 13 January 1985.

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Han

Figures for the latest periods and the corresponding averages or totals are provisional and are liable to subsequent revision.

The figures have not been adjusted for temperature or seasonal factors except where noted in Table 1. Monthly figures relate to four week periods except where otherwise indicated.

Due to rounding the sum of the constituent items may not equal the totals.

Percentage changes relate to the corresponding period a year ago. These comparisons can be affected by calendar differences.

They are calculated from unrounded figures but are shown only as (+) or (-) when the percentage change is very large. All figures relate to the United Kingdom unless otherwise indicated.

Symbols used in the tables

.. not available

- nil or less than half the final digit shown

* five-week period

p provisional

Total energy

TABLE 1. Inland energy consumption: primary fuel input basis

	Total	Coal ¹	Petroleum ²	Natural ³ gas	Nuclear electricity	Hydro electricity
Million tonnes of coal or coal equivalent						
1980	328.7	120.8	121.4	71.1	13.40	2.00
1981	317.2	118.2	110.9	72.1	13.70	2.30
1982	311.9	110.7	111.1	71.7	16.00	2.40
1983	312.9	111.5	106.1	74.8	18.10	2.37
Per cent change	+0.3	+0.8	-4.5	+4.2	+13.3	+0.1
1983 Jan-Sep	227.2	82.0	78.5	51.7	13.37	1.63
1984 Jan-Sep p	225.4	60.8	94.9	54.1	14.15	1.38
Per cent change	-0.8	-25.8	+20.9	+4.6	+5.8	-15.6
1983 Jul	18.2	7.2	7.1	2.7	1.18	0.07
Aug	18.7	7.3	7.3	2.8	1.31	0.07
Sep*	26.6	10.0	10.2	4.6	1.60	0.12
Total ¹	63.5	24.5	24.5	10.1	4.09	0.26
1984 Jul	18.2	4.2	9.6	3.1	1.30	0.05
Aug	17.9	3.7	9.9	2.9	1.27	0.05
Sep *p	26.3	4.9	14.7	4.8	1.77	0.09
Total ¹	62.4	12.9	34.2	10.8	4.34	0.19
Per cent change	-1.8	-47.5	+39.4	+6.6	+6.0	-24.5

	Total	Coal ¹	Petroleum ²	Natural ³ gas	Nuclear electricity	Hydro electricity
Million tonnes of oil or oil equivalent						
1980	193.3	71.1	71.4	41.8	7.80	1.20
1981	186.6	69.6	65.2	42.4	8.10	1.30
1982	183.5	65.1	65.4	42.2	9.40	1.40
1983	184.1	65.6	62.5	44.0	10.65	1.39
Per cent change	+0.3	+0.8	-4.5	+4.2	+13.3	+0.1
1983 Jan-Sep	133.7	48.2	46.2	30.4	7.86	0.96
1984 Jan-Sep p	132.6	35.8	55.8	31.8	8.32	0.81
Per cent change	-0.8	-25.8	+20.9	+4.6	+5.8	-15.6
1983 Jul	10.7	4.2	4.2	1.6	0.70	0.04
Aug	11.0	4.3	4.3	1.6	0.77	0.04
Sep*	15.6	5.9	6.0	2.7	0.94	0.07
Total ¹	37.4	14.4	14.4	6.0	2.41	0.15
1984 Jul	10.7	2.5	5.6	1.8	0.76	0.03
Aug	10.5	2.2	5.8	1.7	0.75	0.03
Sep *p	15.5	2.9	8.7	2.8	1.04	0.05
Total ¹	36.7	7.6	20.1	6.3	2.55	0.11
Per cent change	-1.8	-47.5	+39.4	+6.6	+6.0	-24.5

Seasonally adjusted and temperature corrected⁴ (annual rates)

1983 Jan-Sep	314.5	112.8	108.0	73.0	18.37	2.39
1984 Jan-Sep p	308.8	80.6	130.6	76.2	19.51	1.97
Per cent change	-1.8	-28.5	+20.9	+4.3	+6.2	-17.8
1983 Jul	316.3	113.2	111.7	70.3	18.99	2.06
Aug	331.3	123.0	115.9	71.9	18.85	1.62
Sep*	321.3	115.4	110.1	75.4	18.99	1.41
Average	323.0	117.2	112.6	72.6	18.95	1.70
1984 Jul	306.1	63.9	145.4	74.7	20.30	1.69
Aug	313.8	61.8	155.9	76.8	17.88	1.53
Sep *p	311.8	55.6	156.0	78.5	20.27	1.41
Average	310.5	60.4	152.4	76.7	19.48	1.54
Per cent change	-3.9	-48.5	+35.4	+5.7	+2.8	-8.9

185.0	66.3	63.5	42.9	10.81	1.41
181.7	47.4	76.8	44.8	11.47	1.16
Per cent change	-1.8	-28.5	+20.9	+4.3	+6.2
-185.0	-66.3	-63.5	-42.9	-10.81	-1.41
186.1	66.6	65.7	41.4	11.17	1.21
194.9	72.3	68.2	42.3	11.09	0.95
189.0	67.9	64.8	44.4	11.17	0.83
190.0	69.0	66.2	42.7	11.15	1.00
180.0	37.6	85.5	44.0	11.94	1.00
184.6	36.3	91.7	45.2	10.52	0.90
183.4	32.7	91.8	46.2	11.92	0.83
182.7	35.5	89.7	45.1	11.46	0.91
Per cent change	-3.9	-48.5	+35.4	+5.7	+2.8
-182.7	-35.5	-89.7	-45.1	-11.46	-0.91

1. Consumption by fuel producers plus disposals (including imports) to final users, plus (for annual figures only) net foreign trade and stock change in other solid fuels. 2. Inland deliveries for energy use plus refinery fuel and losses minus the differences between deliveries and actual consumption at power stations and gas works. 3. Including non-energy use and excluding gas flared or re-injected. 4. Coal, petroleum and natural gas are temperature corrected.

Energy: Total inland consumption (primary fuel input basis)¹

Million tonnes coal equivalent

Million tonnes oil equivalent

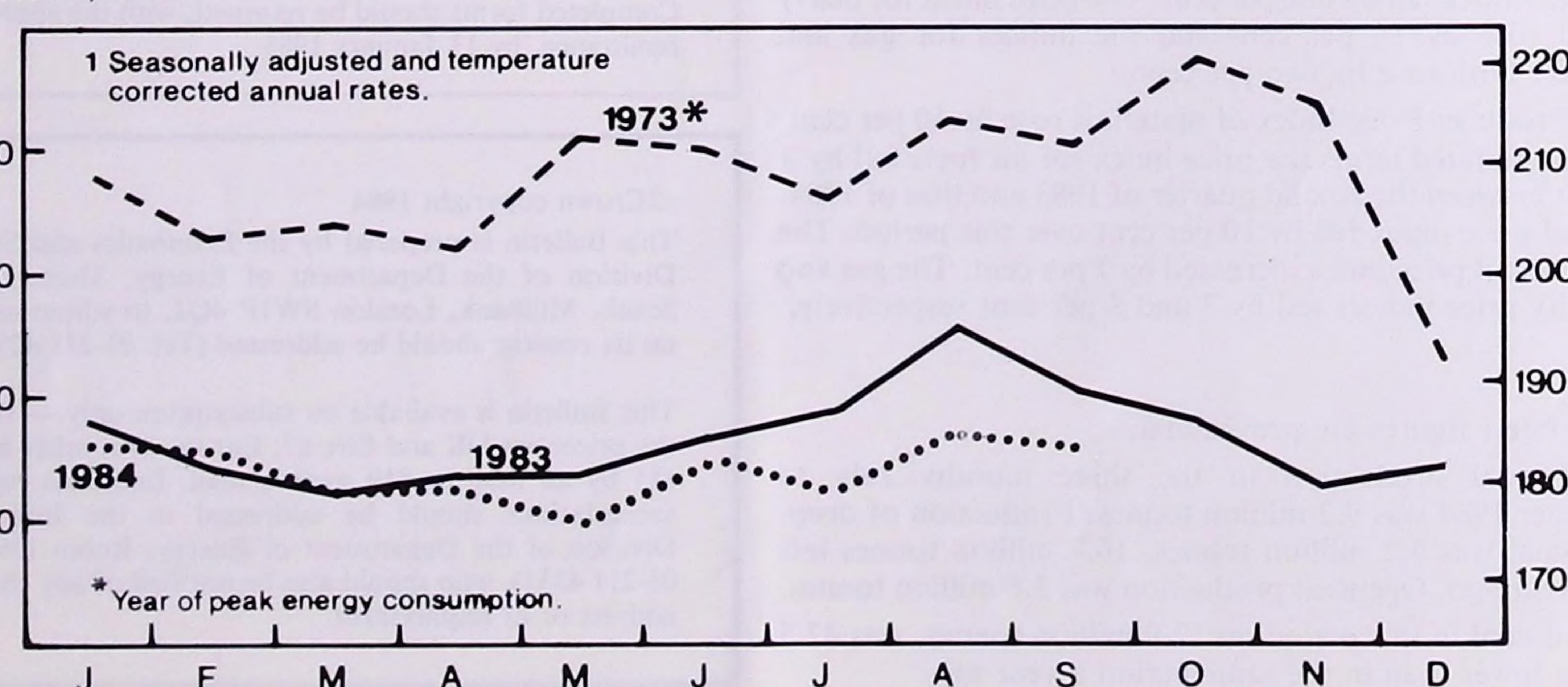


TABLE 2. Fuel price indices for the domestic and industrial sectors¹ 1980=100

	Coal and Coke	Gas	Electricity	Heating Oils ²	Fuel and Light	Petrol and Oil	Fuel, Light, Petrol and Oil	Retail Price Index — All items excluding fuels
DOMESTIC SECTOR: Current fuel price index numbers								
1970	22	40	22	15	25	25	25	28
1979	78	86	79	75	80	78	79	85
1980	100	100	100	100	100	100	100	100
1981	118	126	120	119	121	118	120	111
1982	126	157	132	135	138	128	134	120
1983	134	176	137	153	149	137	144	125
Per cent change 1982 to 1983	+6	+12	+4	+13	+7	+7	+8	+4
1983 3rd quarter	132	176	137	156	148	140	145	126
4th quarter	140	176	137	155	150	140	146	128
1984 1st quarter	142	179	137	153	151	139	146	129
2nd quarter	142	183	138	151	153	140	147	131
3rd quarter	142	183	140	152	153	141	148	132
Per cent change 3rd quarter 1983 to 3rd quarter 1984	+8	+4	+2	-3	+3	+1	+2	+5
DOMESTIC SECTOR: Deflated³ fuel price index numbers								
1970	78	143	78	54	88	88	88	
1979	92	101	92	88	94	92	93	
1980	100	100	100	100	100	100	100	
1981	106	114	108	107	109	107	108	
1982	105	131	110	113	115	106	112	
1983	107	141	110	122	119	109	115	
Per cent change 1982 to 1983	+2	+8	-	+9	+3	+3	+3	
1983 3rd quarter	105	140	109	123	118	111	115	
4th quarter	110	138	107	121	117	110	114	
1984 1st quarter	110	140	107	119	117	108	113	
2nd quarter	108	140	105	115	116	107	112	
3rd quarter	107	139	106	115	116	107	112	
Per cent change 3rd quarter 1983 to 3rd quarter 1984	+3	-1	-3	-7	-2	-4	-3	
	Coal ⁴	Heavy Fuel Oil ⁴	Gas ⁵		Electricity ⁵	Total Fuel	Producer Price Index of Materials	
INDUSTRIAL SECTOR: Current fuel price index numbers								
1970	18	10	26	24	19	19	29 ⁶	
1979	78	71	73	81	76	76	96	
1980	100	100	100	100	100	100	100	
1981	116	120	122	116	118	118	106	
1982	126	126	129	127	127	127	113	
1983	130	139	131	127	132	132	121	
Per cent change 1982 to 1983	+4	+10	+2	-	+4	+4	+7	
1982 3rd quarter	126	124	129	117	123	123	112	
4th quarter	129	132	130	137	134	134	114	
1983 1st quarter	130	137	133	144	138	138	118	
2nd quarter	128	136	132	117	127	127	120	
3rd quarter	129	138	129	116	127	127	121	
4th quarter	135	145	131	133	137	137	125	
1984 1st quarter	132	154	133	140	143	143	130	
2nd quarter	127	161	135	119	137	137	133	
Per cent change 2nd quarter 1983 to 2nd quarter 1984	-1	+18	+2	+2	+7	+7	+10	
INDUSTRIAL SECTOR: Deflated⁷ fuel price index numbers								
1970	61	36	87	83	66	66		
1979	81	74	76	84	79	79		
1980	100	100	100	100	100	100		
1981	109	113	115	109	112	112		
1982	111	111	114	112	112	112		
1983	107	115	108	105	109	109		
Per cent change 1982 to 1983	-3	+3	-5	-6	-3	-3		
1982 3rd quarter	112	111	115	104	109	109		
4th quarter	113	116	115	121	117	117		
1983 1st quarter	110	116	112	121	117	117		
2nd quarter	107	113	110	97	106	106		
3rd quarter	106	114	107	96	105	105		
4th quarter	108	116	104	107	109	109		
1984 1st quarter	102	119	103	108	110	110		
2nd quarter	96	121	102	89	103	103		
Per cent change 2nd quarter 1983 to 2nd quarter 1984	-10	+7	-7	-8	-3	-3		

1. Index numbers shown represent the average for the period specified. 2. Standard grade burning oil and premium kerosene.

3. Obtained by deflating the domestic sector current fuel price index by the Retail Price Index series above. 4. Indices based on a survey of the prices of fuels delivered to large industrial consumers.

5. Indices based on the average unit value of sales to industrial consumers. 6. Wholesale Price Index for materials (excluding crude oil and carbonising coal). 7. Obtained by deflating the industrial sector current fuel price index by the Producer Price Index series above.

Coal

TABLE 3. Coal production, foreign trade and deep-mined tonnage lost

Thousand tonnes

	Production			Net imports	Imports ²	Shipments ³	Tonnage lost (deep-mined) ⁴	
	Total ¹	Deep-mined	Opencast				Recognised holidays and rest days	Disputes
1979	122,369	107,775	12,862	+ 2,000	4,375	2,175	12,385	888
1980	130,097	112,430	15,779	+ 3,525	7,334	3,809	12,039	1,226
1981	127,469	110,473	14,828	- 4,823	4,290	9,113	13,204	1,191
1982	124,711	106,161	15,266	- 3,384	4,063	7,447	12,401	3,468
1983	119,254	101,742	14,706	- 2,201	4,360	6,561	12,021	4,499
Per cent change	- 4.4	- 4.2	- 3.7		+ 7.3	- 11.9	- 3.1	+ 29.7
1983 Jan-Sep	90,999	77,698	10,996	- 1,493	3,458	4,951	9,764	1,362
1984 Jan-Sep p	39,952	28,035	10,751	+ 3,552	5,685	2,133	9,106	46,662
Per cent change	- 56.1	- 63.9	- 2.2		+ 64.4	- 56.9	- 6.7	(+)
1983 Jul	7,648	6,407	1,054	- 227	327	554	2,403	53
Aug	7,731	6,113	1,251	+ 201	671	470	2,400	78
Sep*	11,129	9,360	1,511	- 176	422	598	1,116	387
Total	26,508	21,880	3,816	- 202	1,419	1,621	5,918	518
1984 Jul	2,594	1,472	1,050	+ 508	531	23	1,994	5,000
Aug	2,834	1,550	1,118	+ 744	762	18	2,424	4,293
Sep *p	3,734	2,185	1,432	+ 991	1,030	39	993	7,232
Total	9,161	5,206	3,600	+ 2,243	2,323	80	5,411	16,525
Per cent change	- 65.4	- 76.2	- 5.7		+ 63.7	- 95.1	- 8.6	(+)

1. Includes an estimate for slurry, etc., recovered and disposed of otherwise than by the National Coal Board. 2. As recorded in the "Overseas Trade Statistics of the United Kingdom". 3. Shipments as recorded by the NCB; the figures may differ from those published in Overseas Trade Statistics.

4. NCB only.

TABLE 4. Inland coal use

Thousand tonnes

	Total	Fuel producers (consumption)				Final users (disposals by collieries and opencast sites)		
		Collieries	Secondary			Industry	Domestic	
			Power stations ¹	Coke ovens	Other ² conversion industries		House coal ³	Other ⁴
1979	129,378	834	88,790	15,081	2,883	9,232	8,922	1,585
1980	123,460	663	89,569	11,610	3,022	7,841	7,262	1,684
1981	118,386	616	87,226	10,805	2,458	6,990	6,851	1,603
1982	110,998	534	80,228	10,406	2,326	7,122	6,719	1,756
1983	111,475	486	81,565	10,448	2,114	7,193	6,212	1,660
Per cent change	+ 0.4	- 9.1	+ 1.7	+ 0.4	- 9.1	+ 1.0	- 7.5	- 5.5
1983 Jan-Sep	82,016	356	59,212	9,426	5,383	4,760	1,242	1,636
1984 Jan-Sep p	60,849	168	43,763	6,763 ⁶	3,933	2,530	1,079	2,613
Per cent change	- 25.8	- 52.7	- 26.1	- 28.3	- 26.9	- 46.8	- 13.1	+ 59.7
1983 Jul	7,220	23	5,045	1,008	464	488	131	60
Aug	7,259	18	5,019	982	536	319	160	224
Sep*	10,039	33	7,013	1,285	825	520	184	179
Total	24,517	74	17,078	3,275	1,825	1,327	475	463
1984 Jul p	4,246	7	2,659	696 ⁶	377	143	114	250
Aug p	3,717	5	2,278	595 ⁶	304	172	121	243
Sep *p	4,905	9	2,989	775 ⁶	482	236	147	267
Total	12,868	21	7,926	2,066 ⁶	1,163	550	382	760
Per cent change	- 47.5	- 71.6	- 53.6	- 36.9	- 36.3	- 58.6	- 19.6	+ 64.1

1. Public supply and railway and transport power stations. 2. Gas works, low temperature carbonisation and patent fuel plants. 3. Including miners' coal.

4. Anthracite, dry steam coal and imported naturally smokeless fuels. 5. Includes public administration and commerce. Short term data includes coal imports for final users (including merchants' yards etc.) for which no reliable allocation by sector is available. 6. Partly estimated.

TABLE 5. Stocks of coal¹ at end of period: Great Britain

Thousand tonnes

	Total	Distributed				Undistributed		
		Total distributed stocks	Power stations	Coke ovens	Other	Total undistributed stocks	Collieries	Opencast sites
1979	27,908	18,339	16,258	1,854	227	9,569	7,803	1,766
1980	37,687	20,370	18,616	1,611	143	17,317	13,091	4,226
1981	42,253	20,136	18,263	1,730	143	22,117	17,435	4,682
1982	52,377	30,422	28,291	1,992	139	21,955	17,675	4,280
1983	57,960	33,964	31,907	1,786	271	23,996	18,909	5,088
1983 Jul	57,146	33,083	31,421	1,497	164	24,063	19,334	4,730
Aug	57,585	33,969	32,282	1,531	156	23,616	18,798	4,818
Sep	58,835	35,113	33,271	1,678	165	23,722	18,692	5,030
1984 Jul p	39,475	17,159	15,930	1,045	183	22,316	14,693	7,624
Aug p	39,181	16,648	15,527	932	188	22,533	14,236	8,298
Sep p	38,938	16,838	15,564	1,105	170	22,100	13,095	9,005
Absolute change: in latest month on a year ago	- 243	+ 190	+ 37	+ 173	- 18	- 433	- 1,141	+ 707
	- 19,897	- 18,275	- 17,707	- 573	+ 5	- 1,622	- 5,597	+ 3,975

1. Excluding distributed stocks held in merchants' yards, etc., mainly for the domestic market, and stocks held by the industrial sector.

TABLE 6. Colliery manpower and productivity at NCB mines

	Wage earners on colliery books ¹		Recruitment	Wastage	Absence percentage			Average output per manshift ²			
	Total	Underground			Total	Voluntary	Involuntary	Overall	Underground ³	Total	
	Thousands				Number		Per cent			Tonnes	
1979	233	184	26,551	25,407	15.7	4.5	11.2	2.25	2.86	..	4
1980	228	182	14,749	19,383	13.1	4.1	9.0	2.32	2.95	9.05	
1981	215	174	6,123	18,771	11.4	3.5	7.9	2.38	3.00	9.43	
1982	206	167	6,709	16,327	10.6	3.6	7.0	2.41	3.03	9.88	
1983	187	152	3,180	22,318	10.6	3.4	7.2	2.51	3.14	10.58	
Per cent change	-9.3	-8.8	-52.6	+36.7				+3.9	+3.4	+7.1	
1983 Jan-Sep	1995	162 ⁵	2,444	17,612	10.5	3.3	7.1	2.51	3.15	10.64	
1984 Jan-Sep p	179 ⁵	146 ⁵	973	12,042	8.6	1.7	7.0	2.21	2.73	10.04	
Per cent change	-9.9	-9.7	-60.2	-31.6				-11.9	-13.6	-5.6	
1983 Jul	194	158	166	2,218	9.3	2.7	6.5	2.37	3.01	10.57	
Aug	193	157	449	1,770	9.2	2.8	6.4	2.29	2.88	9.96	
Sep*	190	155	357	3,017	10.6	3.4	7.2	2.47	3.09	10.43	
1984 Jul p	177	144	65	856	7.0	0.7	6.2	2.04	2.52	10.26	
Aug p	176	143	148	963	6.5	0.7	5.8	2.21	2.72	11.13	
Sep *p	175	142	238	841	6.2	0.9	5.4	2.19	2.69	11.10	

1. At the end of period. 2. Excluding capital working and tip coal. 3. For information on this new series, see commentary in May 1979 issue.

4. Later figures are a new series. For further explanation and definition, see commentary on first page of May 1980 issue. 5. Average number during the period.

Gas

TABLE 7. Sources of supply and gas sent out by the public supply system

	Natural gas supply					Gas sent out ²	
	Total into system	Source ¹					
		Indigenous	Imported	Indigenous	Imported		
		Million therms		Percentage of total			
1979	17,319	13,976	3,343	80.7	19.3	17,338	
1980	17,075	13,116	3,959	76.8	23.2	17,105	
1981	17,153	12,899	4,254	75.2	24.8	17,130	
1982	16,806	12,905	3,901	76.8	23.2	16,740	
1983	17,344	13,090	4,254	75.5	24.5	17,204	
Per cent change	+3.2	+1.4	+9.0			+2.8	
1983 Jan-Sep	12,168	9,371	2,797	77.0	23.0	12,064	
1984 Jan-Sep p	12,667	9,070	3,597	71.6	28.4	12,610	
Per cent change	+4.1	-3.2	+28.6			+4.5	
1983 Jul	598	418	179	70.0	30.0	590	
Aug	616	435	181	70.6	29.4	609	
Sep*	1,072	797	274	74.4	25.6	1,055	
Total	2,285	1,650	635	72.2	27.8	2,254	
1984 Jul	678	448	231	66.0	34.0	669	
Aug	646	413	232	64.0	36.0	639	
Sep *p	1,096	762	333	69.6	30.4	1,090	
Total	2,420	1,623	796	67.1	32.9	2,398	
Per cent change	+5.9	-1.6	+25.4			+6.4	

1. Figures differ from production and imports respectively because of stock changes and small quantities not entering the public supply system.

2. Includes small quantities of Substitute Natural Gas and Town Gas.

TABLE 8. Sales of gas by the public supply system

	Total	Power stations ¹	Iron and steel industry	Other industries	Domestic	Million therms	
						Other ²	
1979	16,591	239	538	5,622	8,225	1,967	
1980	16,630	140	451	5,539	8,439	2,061	
1981	16,622	78	409	5,261	8,764	2,110	
1982	16,657	76	365	5,319	8,719	2,178	
1983	16,844	77	342	5,295	8,871	2,260	
Per cent change	+1.1	+1.3	-6.3	-0.5	+1.7	+3.8	
1982 2nd quarter	3,244	18	95	1,255	1,450	426	
3rd quarter	2,275	18	80	1,048	923	206	
4th quarter	5,000	20	80	1,439	2,804	657	
1983 1st quarter	5,963	20	91	1,519	3,451	883	
2nd quarter	3,677	19	86	1,284	1,793	494	
3rd quarter	2,190	18	77	1,043	836	215	
4th quarter	5,014	20	88	1,448	2,790	668	
1984 1st quarter p	6,417	21	101	1,627	3,719	950	
2nd quarter p	3,504	19	97	1,275	1,655	458	
Per cent change	-4.7	+3.7	+12.8	-0.7	-7.7	-7.3	

1. Public supply and transport power stations. 2. Public administration and commerce.

Electricity

TABLE 9. Fuel used by, and electricity production and availability from the public supply system

	Fuel used						Electricity generated			Own ⁵ use	Electricity supplied	Electricity ⁶ available			
	Total ¹	Coal ²	Oil ^{2,3}	Natural gas	Nuclear electricity	Hydro electricity	Total ⁴	By steam plant							
								Nuclear	Other						
Million tonnes coal or coal equivalent															
United Kingdom															
1979	121.89	88.79	18.13	0.64	12.31	1.88	279.48	34.60	239.32	19.64	259.84	263.65			
1980	114.77	89.57	11.23	0.22	11.93	1.72	266.38	33.46	227.97	18.71	246.67	251.34			
1981	110.19	87.23	8.69	—	12.17	2.03	259.73	34.04	220.26	17.62	242.11	246.22			
1982	107.07	79.95	10.63	—	14.41	2.02	255.44	40.00	209.96	17.65	237.79	242.02			
1983	108.03	81.44	8.08	—	16.47	2.02	260.44	45.78	208.51	19.13	241.31	246.02			
<i>Per cent change</i>	+0.9	+1.9	-24.0	—	+14.3	+0.2	+2.0	+14.5	-0.7	+8.4	+1.5	+1.9			
1983 Jan-Sep	78.57	59.21	5.78	—	12.17	1.38	189.61	33.85	151.57	13.98	175.63	179.08			
1984 Jan-Sep p	79.77	43.76	21.88	0.12	12.88	1.12	194.21	35.95	154.10	14.36	179.85	182.92			
<i>Per cent change</i>	+1.5	-26.1	(+)	(+)	+5.8	-18.8	+2.4	+6.2	+1.7	+2.7	+2.4	+2.1			
1983 Jul	6.61	5.05	0.44	—	1.07	0.05	15.92	3.04	12.62	1.35	14.58	14.89			
Aug	6.66	5.02	0.40	—	1.19	0.05	16.07	3.35	12.49	1.30	14.77	15.09			
Sep*	9.25	7.01	0.72	—	1.43	0.09	22.32	3.97	17.95	1.69	20.63	21.12			
Total	22.52	17.08	1.56	—	3.69	0.19	54.31	10.36	43.06	4.34	49.97	51.10			
1984 Jul	6.74	2.66	2.86	—	1.19	0.03	16.42	3.32	12.90	1.26	15.16	15.42			
Aug	6.86	2.28	3.37	0.02	1.15	0.03	16.60	3.26	13.07	1.29	15.32	15.56			
Sep *p	9.43	2.99	4.74	0.09	1.55	0.06	22.84	4.39	17.89	1.76	21.08	21.48			
Total	23.03	7.93	10.97	0.12	3.89	0.12	55.86	10.97	43.86	4.30	51.56	52.46			
<i>Per cent change</i>	+2.3	-53.6	(+)	(+)	+5.4	-34.4	+2.9	+5.9	+1.9	-0.8	+3.2	+2.7			
England and Wales															
1979	105.39	79.81	14.12	0.64	10.55	0.13	242.12	29.67	211.54	16.55	225.57	228.30			
1980	99.21	80.77	8.56	0.22	9.44	0.12	230.94	26.55	203.71	15.59	215.25	217.71			
1981	94.47	78.63	6.11	—	9.53	0.13	224.32	26.70	196.85	14.83	209.49	213.36			
1982	91.84	72.97	7.57	—	11.13	0.11	220.51	30.97	188.77	14.70	205.81	211.02			
1983	93.57	76.31	4.40	—	12.72	0.11	226.32	35.53	189.42	16.11	210.21	214.75			
<i>Per cent change</i>	+1.9	+4.6	-41.9	—	+14.3	-2.6	+2.6	+14.7	+0.3	+9.6	+2.1	+1.9			
1983 Jan-Sep	68.40	55.60	3.24	—	9.46	0.08	165.53	26.43	138.20	11.78	153.74	156.59			
1984 Jan-Sep p	68.05	40.41	17.56	0.12	9.90	0.04	166.00	27.84	136.77	12.02	153.98	160.33			
<i>Per cent change</i>	-0.5	-27.3	(+)	(+)	+4.7	-44.0	+0.3	+5.3	-1.0	+2.0	+0.2	+2.4			
1983 Jul	5.92	4.80	0.24	—	0.88	—	14.24	2.49	11.64	1.15	13.09	13.29			
Aug	5.88	4.75	0.18	—	0.94	—	14.18	2.66	11.44	1.09	13.09	13.32			
Sep*	8.05	6.53	0.41	—	1.10	0.01	19.44	3.06	16.25	1.42	18.02	18.52			
Total	19.84	16.07	0.84	—	2.91	0.01	47.85	8.21	39.33	3.65	44.20	45.12			
1984 Jul	5.81	2.43	2.41	—	0.97	—	14.18	2.74	11.36	1.08	13.11	13.76			
Aug	5.86	2.04	2.83	0.02	0.96	—	14.16	2.73	11.25	1.09	13.07	13.73			
Sep *p	8.16	2.92	3.98	0.09	1.17	—	19.59	3.33	15.88	1.47	18.12	19.00			
Total	19.83	7.39	9.21	0.12	3.10	—	47.93	8.80	38.49	3.64	44.29	46.48			
<i>Per cent change</i>	-0.1	-54.0	(+)	(+)	+6.5	-71.4	+0.2	+7.2	-2.1	-0.4	+0.2	+3.0			

1. Including coke. 2. Including quantities used in the production of steam for sale. 3. Including oil used in gas turbine and diesel plant and for lighting up coal fired boilers. 4. Including generation by gas turbine, diesel and hydro-electric plant. 5. Used in works and for pumping at pumped storage stations. 6. Includes net imports and purchases from outside sources mainly UKAEA and British Nuclear Fuels. The England and Wales figures include net exchanges with Scotland.

TABLE 10. Sales of electricity by the public supply system

	Total	Iron and steel industry	Other industries	Domestic	Other ¹
1979	240,786	13,778	81,037	89,672	56,299
1980	229,909	9,529	77,543	86,107	56,730
1981	226,195	10,490	74,055	84,439	57,211
1982	221,630	9,764	71,483	82,787	57,596
1983	224,907	9,363	72,057	82,953	60,534
<i>Per cent change</i>	+ 1.5	- 4.1	+ 0.8	+ 0.2	+ 5.1
 1982 2nd quarter	50,265	2,569	17,460	17,359	12,877
3rd quarter	46,084	2,181	16,646	15,007	12,250
4th quarter	60,019	2,185	18,129	23,876	15,829
 1983 1st quarter	64,234	2,479	18,963	25,620	17,176
2nd quarter	52,885	2,334	17,660	18,698	14,192
3rd quarter	47,061	2,133	16,910	15,022	12,993
4th quarter	60,727	2,417	18,524	23,613	16,173
 1984 1st quarter p	67,451	2,540	19,749	26,894	18,269
2nd quarter p	52,536	2,362	17,612	18,213	14,348
<i>Per cent change</i>		- 0.7	+ 1.2	- 0.3	+ 1.1

1. Mainly commerce, public administration and agriculture

Petroleum

TABLE 11. Indigenous production, refinery receipts, arrivals and shipments¹

	Indigenous Oil Production			Crude Oil ³						Petroleum Products		
				Refinery Receipts			Foreign Trade ⁷			Foreign Trade ⁷		
	Total ²	Crude Oil	NGLs	Indigenous ⁴	Other ⁵	Net Foreign ⁶ Arrivals	Arrivals	Shipments	Arrivals	Shipments	Bunkers ⁹	
	Million tonnes											
1979	77.9	76.6	1.3	38,445	606	59,226	60,380	39,044	1,154	12,035	13,359	2,671
1980	80.5	78.9	1.6	39,844	2,005	45,556	46,717	38,531	1,161	9,246	14,598	2,457
1981	89.5	88.0	1.5	37,769	2,486	36,361	36,855	51,149	494	9,402	12,793	2,073
1982	103.2	100.3	2.9	40,294	3,162	33,249	33,754	60,195	505	12,524	13,585	2,583
1983	114.9	110.8	4.1	44,815	2,366	29,163	30,324	67,397	1,161	9,907	14,674	2,019
Per cent change	+ 11.3	+ 10.5	+ 41.4	+ 11.2	- 25.2	- 12.3	- 10.2	+ 12.0	(+)	- 20.9	+ 8.0	- 21.8
1983 Jan-Sep	83.6	80.7	2.9	34,394	1,865	21,830	22,451	47,972	621	7,225	10,904	1,519
1984 Jan-Sep p	92.6	89.2	3.4	34,677	1,532	22,499	23,542	55,492	1,042	13,412	10,468	1,540
Per cent change	+ 10.8	+ 10.5	+ 17.2	+ 0.8	- 17.9	+ 3.1	+ 4.9	+ 15.7	+ 67.8	+ 85.6	- 4.0	+ 1.4
1983 Jul	9.8	9.5	0.3	3,911	174	2,701	2,778	5,990	77	794	1,466	183
Aug	9.7	9.4	0.3	3,937	103	2,719	2,823	5,165	103	694	1,310	174
Sep	9.7	9.4	0.3	4,120	203	2,480	2,543	5,808	63	727	1,172	172
Total	29.2	28.2	1.0	11,968	480	7,900	8,143	16,962	243	2,215	3,948	528
1984 Jul	10.5	10.1	0.4	3,594	180	2,464	2,526	6,929	62	1,243	1,265	191
Aug	9.9	9.5	0.4	3,919	196	3,052	3,132	5,510	80	2,355	1,176	213
Sep p	10.1	9.7	0.4	3,234	160	3,015	3,081	6,397	66	1,927	1,322	179
Total	30.4	29.3	1.1	10,746	536	8,530	8,739	18,836	208	5,525	3,764	582
Per cent change	+ 4.1	+ 3.9	+ 10.0	- 10.2	+ 11.7	+ 8.0	+ 7.3	+ 11.0	- 14.4	(+)	- 4.7	+ 10.2

1. Calendar Months. Indigenous is used in this table for convenience to include oil from the UK Continental Shelf as well as the amounts produced on land. 2. Crude oil plus condensates and petroleum gases derived at onshore treatment plants. 3. Includes process (partly refined) oils. 4. Includes condensate for distillation. 5. Mainly recycled products. 6. Arrivals less re-exports. 7. Foreign Trade recorded by the Petroleum Industry and may differ from figures published in Overseas Trade Statistics. 8. Mainly process oils but may include re-exports of crude oil. 9. International marine bunkers.

TABLE 12. Refinery throughput and output of petroleum products¹

Thousand tonnes

	Throughput of crude and process oil	Refinery use		Total ² output of petroleum products	Gases		Naphtha (LDF)	Motor spirit	Kerosene		Gas/diesel oil	Fuel oil	Lubricating oils	Bitumen
		Fuel	Losses/(Gains)		Butane and propane	Other Petroleum			Aviation turbine fuel	Burning ³ oil				
1979	97,806	6,490	733	90,583	1,604	168	5,242	16,111	5,236	2,709	25,449	28,600	1,330	2,066
1980	86,341	6,265	849	79,227	1,366	92	3,541	16,609	5,198	2,034	22,153	23,700	1,250	1,928
1981	78,287	5,445	836	72,006	1,391	75	3,405	17,140	4,559	1,904	20,410	19,069	1,063	1,735
1982	77,130	5,549	834	70,747	1,400	75	3,492	19,134	4,457	1,851	20,581	15,808	990	1,862
1983	76,876	5,297	652	70,927	1,482	56	3,550	21,053	4,723	1,770	21,029	13,483	936	1,798
Per cent change	- 0.3	- 4.5	- 21.8	+ 0.3	+ 5.9	- 25.3	+ 1.7	+ 10.0	+ 6.0	- 4.4	+ 2.2	- 14.7	- 5.5	- 3.4
1983 Jan-Sep	57,614	3,966	508	53,141	1,174	44	2,593	15,816	3,665	1,159	15,631	10,191	693	1,404
1984 Jan-Sep p	58,535	3,980	380	54,174	1,170	56	2,299	16,526	4,087	1,426	16,173	9,409	797	1,401
Per cent change	+ 1.6	+ 0.4	- 25.2	+ 1.9	- 0.3	+ 27.3	- 11.3	+ 4.5	+ 11.5	+ 23.0	+ 3.5	- 7.7	+ 15.0	- 0.2
1983 Jul	6,458	427	53	5,978	117	5	228	1,899	484	100	1,656	1,093	97	218
Aug	6,367	434	88	5,844	130	7	246	1,849	506	69	1,739	978	82	157
Sep	6,130	392	64	5,674	104	6	308	1,699	427	114	1,649	1,041	58	180
Total	18,955	1,253	205	17,496	351	18	781	5,447	1,416	284	5,043	3,112	237	555
1984 Jul	6,620	442	56	6,122	147	7	173	1,961	563	153	1,598	1,119	104	190
Aug	6,511	438	18	6,055	151	7	200	1,947	547	109	1,631	1,096	94	179
Sep p	6,767	443	68	6,256	144	6	242	1,948	451	176	1,880	1,082	87	157
Total	19,897	1,323	142	18,432	442	21	616	5,856	1,561	438	5,109	3,298	285	526
Per cent change	+ 5.0	+ 5.6	- 30.7	+ 5.3	+ 25.9	+ 16.7	- 21.1	+ 7.5	+ 10.2	+ 54.2	+ 1.3	+ 6.0	+ 20.3	- 5.2

1. Calendar Months. 2. Including output of products not shown separately, namely aviation spirit, wide-cut gasoline, industrial and white spirits, petroleum wax and miscellaneous products. 3. Including vaporising oil.

TABLE 13. Deliveries of petroleum products for inland consumption¹

Thousand tonnes

	Total ² ³	Butane ⁴ and propane	Naphtha ⁵ (LDF)	Motor spirit	Aviation turbine fuel	Kerosene		
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TABLE 14. Deliveries of petroleum products for inland consumption: energy uses^{1,2}

Thousand tonnes

	Total	Power stations ³	Gas works	Iron and steel industry	Other industries	Transport ⁴	Domestic	Other ⁵
1979	75,023	11,188	366	2,853	17,611	31,588	3,195	8,222
1980	64,176	6,516	310	1,588	14,517	31,738	2,553	6,954
1981	58,707	4,863	252	1,381	12,624	30,622	2,301	6,664
1982	59,643	6,873	213	1,224	11,600	31,315	2,146	6,272
1983	56,446	4,647	159	1,046	10,291	32,249	2,044	6,011
Per cent change	-5.4	-32.4	-25.4	-14.5	-11.3	+3.0	-4.8	-4.2
1983 Jan-Aug	37,074	2,893	106	693	6,772	21,367	1,246	3,997
1984 Jan-Aug p	44,141	9,604	107	609	6,219	22,415	1,205	3,981
Per cent change	+19.1	(+)	+0.9	-12.1	-8.2	+4.9	-3.3	-0.4
1983 Jun	4,430	410	11	81	692	2,812	99	325
Jul	4,211	338	14	62	609	2,831	85	271
Aug	4,455	442	11	70	634	2,891	106	301
Total	13,096	1,190	37	212	1,935	8,534	290	898
1984 Jun	5,980	2,011	11	65	612	2,865	92	325
Jul	5,465	1,407	10	48	558	3,060	84	298
Aug p	6,205	2,162	10	57	573	2,990	89	324
Total	17,650	5,579	31	171	1,742	8,914	266	947
Per cent change	+34.8	(+)	-16.2	-19.3	-10.0	+4.5	-8.3	+5.5

1. Calendar months. 2. Excludes non-energy products and non-energy use of naphtha (LDF). 3. Public supply, railway and transport power stations.

4. Including fishing, coastal and inland shipping. 5. Mainly public administration, commerce and agriculture.

TABLE 15. Stocks of petroleum at end of month¹

	Million tonnes	Estimated days supply	Power stations ² Million tonnes
1983 Jul	16.1	90	1.12
Aug	16.5	89	1.25
Sep	16.8	91	1.33

To	From	Million tonnes coal equiv.	Million tonnes oil equiv.	Million therms	TWh electrical energy
Million tonnes coal equivalent	1	1.7	0.004	0.135 ¹	0.500 ²
Million tonnes oil equivalent	0.60	1	0.00235	0.0800 ¹	0.280 ²
Million therms	250	425	1	34.0	115
TWh electrical energy	7.35	12.5	0.0295	1	..
TWh electricity generated	2.00 ³	3.60 ³	0.00880 ³	..	1

APPROXIMATE CONVERSION FACTORS

(last digit rounded to nought or five)

To convert from one fuel to another, multiply by the factor shown

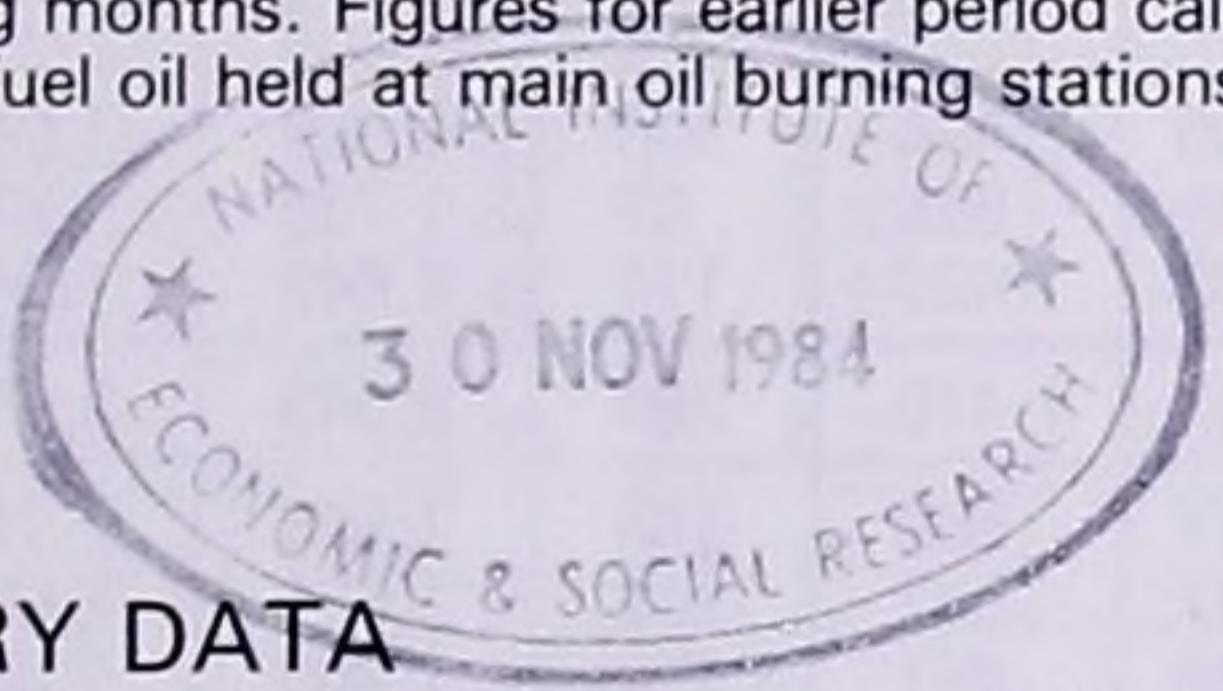
1. The amount of fuel (average grade) equivalent to a TWh of energy.

2. The amount of primary fuel (power station grade) to generate 1 TWh.

3. The amount of electricity generated by one million units of fuel shown.

The Digest of U.K. Energy Statistics 1984 gives more detailed factors.

1. Stocks of petroleum products plus the product equivalent of crude and process oils held at refineries and terminals. Stocks in the wholesale distribution system and those held abroad for U.K. use under approved bilateral agreements are also included. Latest three months are provisional and days supply is calculated on forecast deliveries for the ensuing months. Figures for earlier period calculated on actual deliveries. 2. Fuel oil held at main oil burning stations in Great Britain.



SUPPLEMENTARY DATA

Typical retail prices of motor spirit and derv¹

pence per gallon

	Motor Spirit		Derv		Motor Spirit		Derv
	2 Star	4 Star			2 Star	4 Star	
1973 January	34	35	34	1982 January	156	159	159
1974 January ²	40.5	42	41.5	April	158	162	163
1975 January	71	73	56	July	165	169	162
1976 January	75	77	62	October	171	174	166
1977 January	78	80	78	1983 January	163	167	171
1978 January	74	76	84	April	175	179	171
1979 January	78	80	84	July	180	184	169
1980 January	118	120	126	October	179	183	168
1981 January	130	132	140	1984 January	179	183	167
				April	179	183	173
				July	179	184	173
				October p	180	184	173

1. The approximate estimates are generally representative of prices paid at the pump on or about the 15th of the month. Estimates since 1977 are based on information provided by oil companies. 2. Maximum retail prices imposed by Order during the period 15th December 1973 to 20th December 1974.