

DEPARTMENT OF ENERGY

ENERGY TRENDS

A Statistical Bulletin

MAY 1985



Total Energy

Total inland energy consumption, on a primary fuel input basis, in the first quarter of 1985 was 3.8 per cent higher than in the same period a year ago. The exceptionally cold weather in January and February 1985 partly accounted for this increase. Consumption of coal was 33.6 per cent lower, whilst consumption of petroleum was 37.9 per cent higher. Consumption of natural gas and nuclear electricity rose by 7.8 per cent and 29.0 per cent respectively.

On a seasonally adjusted and temperature corrected basis total consumption was 1.8 per cent higher. Because of the extreme temperatures in January and February the corrected figures should be used with caution. Consumption of coal was down by 36.0 per cent, whilst consumption of petroleum was 36.5 per cent higher and natural gas 4.8 per cent higher.

Fuel Price Indices

Domestic Sector

Between the first quarters of 1984 and 1985 the current price index for fuel and light increased by 4 per cent and those for petrol and oil and all fuels by 6 per cent and 5 per cent respectively. The coal and coke index rose by 10 per cent, the gas index by 3 per cent, the electricity index by 2 per cent and that for heating oils by 7 per cent. The Retail Price Index (excluding fuels) rose by 6 per cent. Hence the deflated price index for fuel and light fell by 2 per cent and that for all fuels by one per cent over the same period. The deflated index for petrol and oil was unchanged. The corresponding indices for gas and electricity fell by 3 per cent each, whilst those for coal and coke and heating oils rose by 4 per cent and 2 per cent respectively.

Industrial Sector

Between 1983 and 1984 the current price index for all industrial fuels rose by 7 per cent. The indices for coal and electricity were unchanged, whilst those for heavy fuel oil and gas rose by 19 per cent and 3 per cent respectively. The Producer Price Index (PPI) for materials increased by 9 per cent. Hence the deflated index for all fuels fell by 2 per cent. The deflated indices for coal, gas and electricity fell by 8 per cent, 6 per cent and 9 per cent respectively. The deflated index for heavy fuel oil rose by 9 per cent.

The current price index for all fuels increased by 10 per cent between the fourth quarter of 1983 and that of 1984. The index for heavy fuel oil rose by 26 per cent and the index for gas by 4 per cent. The actual electricity index rose by one per cent but was unchanged after seasonal adjustment. The coal price index fell by one per cent.

The Producer Price Index of materials rose by 9 per cent between the fourth quarter of 1983 and that of 1984. Hence the deflated price index for all fuels increased by 2 per cent over this period. The coal and gas price indices fell by 9 per cent and 4 per cent respectively, whilst the heavy fuel oil price index increased by 16 per cent. The actual deflated electricity price index fell by 7 per cent, and by 8 per cent after seasonal adjustment.

Coal

Provisional figures for the three months January to March 1985 show total coal production at 14.6 million tonnes, of

which deep-mined coal accounted for 10.4 million tonnes and opencast 3.7 million tonnes.

Use of home produced and imported coal in this period was 21.0 million tonnes, 33.6 per cent less than in the same period a year ago.

Total stocks of coal at the end of March amounted to 33.4 million tonnes, a fall of 0.7 million tonnes during the month and 12.8 million tonnes lower than at the end of March 1984.

Gas

In the first quarter of 1985 7,095 million therms of natural gas were supplied into the public supply system, 7.3 per cent more than in the same period a year ago. Indigenous and imported supplies were higher by 9.0 per cent and 2.1 per cent respectively.

Electricity

During the first quarter of 1985 4.5 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 3.9 per cent higher.

Petroleum

Production of crude oil in the first three months of 1985 was 31.6 million tonnes. Production of natural gas liquids was 1.4 million tonnes.

Total output of petroleum products in the period increased by 5.0 per cent compared with the same period a year ago, with increased output of motor spirit, kerosene, gas/diesel oil, fuel oil and lubricating oils. Deliveries of petroleum products for inland consumption in the period were 32.4 per cent higher than a year ago; excluding fuel oil there was a decrease of 0.4 per cent. Deliveries of kerosene and gas/diesel oil increased and fuel oil deliveries more than doubled.

Supplementary Data

Typical Retail Prices of Motor Spirit and Derv.

In this month's table typical retail prices of motor spirit and derv. for April 1985 are shown.

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HARVEY

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
1984 p	312.3	79.0	135.1	76.7	19.48	2.07
Per cent change	-0.2	-29.2	+27.3	+2.6	+7.6	-12.7
1984 Jan	29.0	10.0	8.3	8.8	1.59	0.31
Feb	29.5	10.0	8.9	8.7	1.67	0.25
Mar*	35.3	11.6	11.5	10.1	1.79	0.26
Total	93.8	31.6	28.7	27.6	5.05	0.82
1985 Jan	30.7	6.0	12.7	9.8	2.07	0.18
Feb	30.9	6.1	13.2	9.3	2.05	0.18
Mar *p	35.7	8.8	13.6	10.7	2.40	0.19
Total	97.3	21.0	39.5	29.8	6.52	0.54
Per cent change	+3.8	-33.6	+37.9	+7.8	+29.0	-33.8

Seasonally adjusted and temperature corrected⁴ (annual rates)

1984 Jan	312.9	117.3	99.6	76.3	17.20	2.60
Feb	313.4	111.3	103.8	77.2	18.79	2.39
Mar *	306.4	105.7	105.8	76.3	16.42	2.16
Average	310.9	111.4	103.1	76.6	17.47	2.38
1985 Jan	314.6	67.2	145.8	77.7	22.37	1.48
Feb	323.9	66.7	151.0	81.5	23.01	1.65
Mar *p	310.6	80.0	125.3	81.7	22.00	1.61
Average	316.4	71.3	140.7	80.3	22.46	1.58
Per cent change	+1.8	-36.0	+36.5	+4.8	+28.6	-33.7

	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
1984 p	183.8	46.5	79.5	45.1	11.46	1.22
Per cent change	-0.2	-29.2	+27.3	+2.6	+7.6	-12.7
1984 Jan	17.1	5.9	4.9	5.2	0.94	0.18
Feb	17.4	5.9	5.2	5.1	0.98	0.15
Mar *	20.7	6.8	6.7	5.9	1.05	0.15
Total	55.1	18.6	16.9	16.3	2.97	0.48
1985 Jan	18.1	3.5	7.5	5.8	1.22	0.10
Feb	18.2	3.6	7.8	5.5	1.20	0.10
Mar *p	21.0	5.2	8.0	6.3	1.41	0.11
Total	57.3	12.3	23.2	17.5	3.83	0.32
Per cent change	+3.8	-33.6	+37.9	+7.8	+29.0	-33.8

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

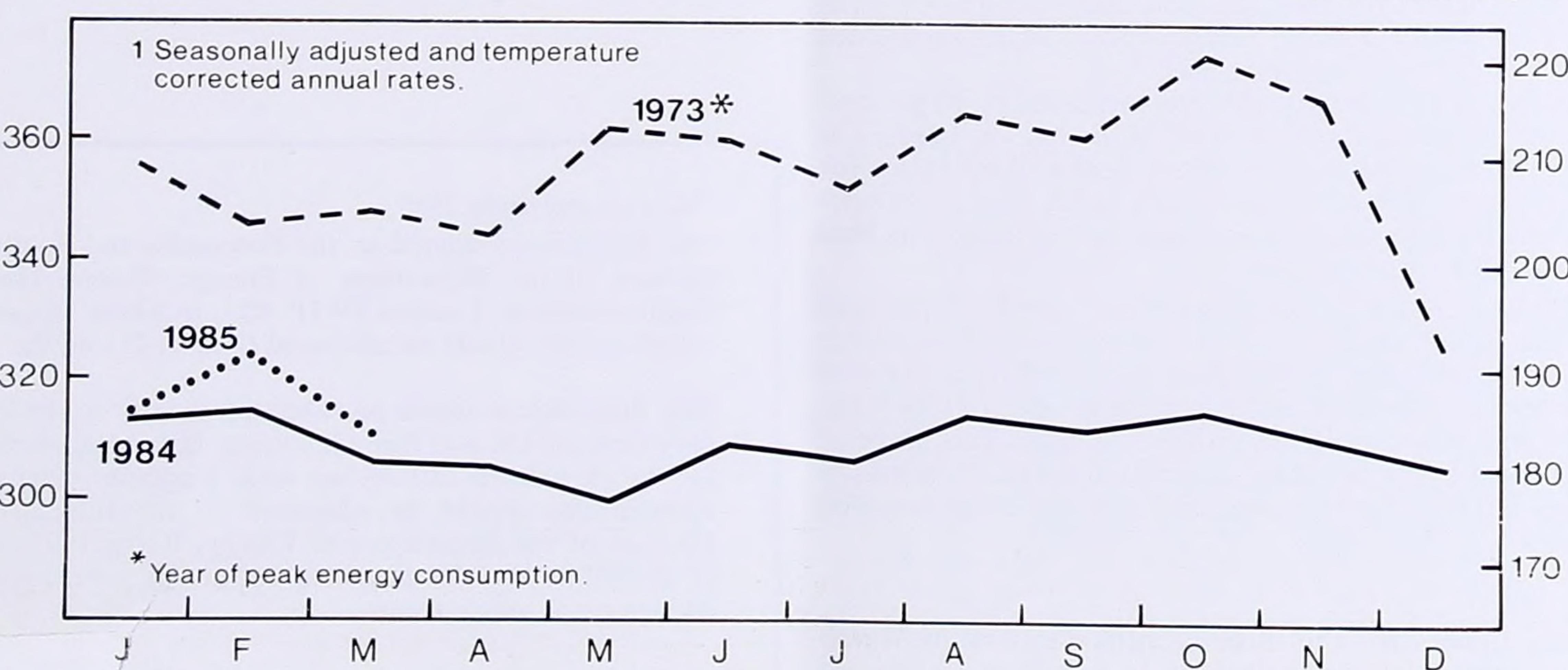


TABLE 2. Fuel price indices for the domestic and industrial sectors¹ 1980=100

	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
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
1984	145	182	139	154	153	141	148	132
Per cent change 1983 to 1984	+8	+4	+1	+1	+3	+3	+3	+5
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
4th quarter	152	183	140	159	155	145	151	134
1985 1st quarter	156	185	140	164	156	147	152	136
Per cent change 1st quarter 1984 to 1st quarter 1985	+10	+3	+2	+7	+4	+6	+5	+6
DOMESTIC SECTOR: Deflated ³ fuel price index numbers								
1970	78	143	78	54	88	88	88	
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	
1984	110	139	105	117	116	107	112	
Per cent change 1983 to 1984	+2	-2	-4	-5	-2	-2	-2	
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	
4th quarter	114	137	104	118	116	108	112	
1985 1st quarter	115	136	103	121	115	108	112	
Per cent change 1st quarter 1984 to 1st quarter 1985	+4	-3	-3	+2	-2	-	-1	
	Coal ⁴	Heavy Fuel Oil ⁵	Gas ⁵	Electricity ⁵	Total Fuel	Producer Price Index of Materials		
INDUSTRIAL SECTOR: Current fuel price index numbers								
1970	18	10	26	24	19	29 ⁶		
1980	100	100	100	100	100	100		
1981	116	120	122	116	118	106		
1982	126	126	129	127	127	113		
1983	130	139	131	127	132	121		
1984	131	166	135	127	142	133		
Per cent change 1983 to 1984	-	+19	+3	-	+7	+9		
				Actual	Seasonally adjusted			
1983 1st quarter	130	137	133	144	131	138	118	
2nd quarter	128	136	132	117	124	127	120	
3rd quarter	129	138	129	116	126	127	121	
4th quarter	135	145	131	133	128	137	125	
1984 1st quarter	132	154	133	140	127	143	130	
2nd quarter	127	161	135	119	127	137	133	
3rd quarter	131	168	135	116	127(r)	138	132	
4th quarter	133	183	136	134	128(r)	151	136	
Per cent change 4th quarter 1983 to 4th quarter 1984	-1	+26	+4	+1	-	+10	+9	
INDUSTRIAL SECTOR: Deflated ⁷ fuel price index numbers								
1970	61	36	87	83	66			
1980	100	100	100	100	100			
1981	109	113	115	109	112			
1982	111	111	114	112	112			
1983	107	115	108	105	109			
1984	99	125	102	96	107			
Per cent change 1983 to 1984	-8	+9	-6	-9	-2			
				Actual	Seasonally adjusted			
1983 1st quarter	110	116	112	121	111	117		
2nd quarter	107	113	110	97	105	106		
3rd quarter	106	114	107	96	103	105		
4th quarter	108	116	104	107	101	109		
1984 1st quarter	102	119	103	108	99	110		
2nd quarter	96	121	102	89	97	103		
3rd quarter	99	127	102	88	95(r)	105		
4th quarter	98	135	101	99	94(r)	111		
Per cent change 4th quarter 1983 to 4th quarter 1984	-9	+16	-4	-7	-8	+2		

1. Index numbers shown represent the average for the period specified. 2. Bottled gas, paraffin and oil fuel.

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. (r) = subject to revision.

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
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	- 2,105	4,456	6,561	12,021	4,499
1984 p	51,182	35,243	14,306	+ 6,601	8,894	2,293	11,083	64,972
Per cent change	- 57.1	- 65.4	- 2.7		+ 99.6	- 65.1	- 7.8	(+)
1984 Jan	7,558	6,426	858	- 172	448	620	496	1,899
Feb	7,943	6,628	1,084	- 437	282	719	-	2,374
Mar*	6,164	4,458	1,571	- 84	473	557	-	6,671
Total	21,666	17,512	3,513	- 693	1,203	1,896	496	10,944
1985 Jan p	3,244	2,328	863	+ 1,046	1,079	33	1,008	5,032
Feb p	4,438	3,062	1,221	+ 1,000	1,024	24	-	5,562
Mar *p	6,940	5,039	1,645	+ 1,012	1,072	60	-	2,601
Total	14,621	10,428	3,729	+ 3,058	3,175	117	1,008	13,195
Per cent change	- 32.5	- 40.5	+ 6.1		(+)	- 93.8	(+)	+ 20.6

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. 3. Shipments as recorded by the NCB; the figures may differ from those published in the 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)		
		Primary		Secondary		Industry ³	Domestic	
		Collieries	Power stations ¹	Coke ovens	Other ² conversion industries		House coal ^{3 4}	Other ⁵
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
1984 p	77,309	209	53,411	8,246	1,300	6,003	4,844	1,562
Per cent change	- 30.6	- 56.9	- 34.5	- 21.1	- 38.5	- 16.5	- 22.0	- 5.9
1984 Jan	9,986	38	7,702	900		528	537	138
Feb	9,976	42	7,649	921		526	551	116
Mar *	11,625	38	9,113	1,045		613	483	129
Total	31,586	118	24,465	2,866		1,666	1,570	382
1985 Jan p	6,031	21	3,918	868 ⁷		468	466	129
Feb p	6,150	27	3,886	885 ⁷		513	525	122
Mar *p	8,780	36	6,019	1,132 ⁷		644	534	214
Total	20,960	84	13,823	2,884 ⁷		1,625	1,524	466
Per cent change	- 33.6	- 29.2	- 43.5	+ 0.7		- 2.4	- 2.9	+ 21.8
								+ 6.6

1. Public supply and railway and transport power stations. 2. Gas works, low temperature carbonisation and patent fuel plants. 3. For 1984 onwards, includes estimated proportion of total imports. 4. Including miners' coal. 5. Anthracite, dry steam coal and imported naturally smokeless fuels.

6. Includes public administration and commerce. 7. 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
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
1984 p	36,548	15,794	14,402	1,199	193	20,753	10,969	9,784
1984 Jan	54,072	30,566	28,778	1,609	179	23,506	18,585	4,921
Feb	51,497	28,831	27,166	1,482	183	22,667	17,959	4,708
Mar	46,178	24,455	23,014	1,216	225	21,723	16,954	4,769
1985 Jan p	34,709	14,139	12,799	1,156	184	20,570	10,694	9,875
Feb p	34,092	12,979	11,606	1,175	198	21,113	10,873	10,240
Mar p	33,410	13,479	11,916	1,395	169	19,931	10,159	9,772
Absolute change:								
in latest month	- 682	+ 500	+ 310	+ 220	- 29	- 1,182	- 714	- 468
on a year ago	- 12,768	- 10,976	- 11,098	+ 179	- 56	- 1,792	- 6,795	+ 5,003

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				Absence percentage			Average output per manshift worked ⁴		
					Total ¹	Underground ¹	Recruitment	Wastage	Total	Voluntary ²
	Thousands				Number			Per cent		
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	22,218	10.6	3.4	7.2	2.51	3.14	10.58
1984 p	174 ⁶	141 ⁶	1,511	14,001	7.9	1.5	6.4	2.24	2.77	10.31
Per cent change	- 6.8	- 6.9	- 52.5	- 37.3				- 10.6	- 11.7	- 2.6
1984 Jan	184	150	189	2,210	11.9	4.1	7.8	2.27	2.80	9.69
Feb	183	149	93	1,588	12.0	3.8	8.2	2.29	2.82	9.75
Mar *	181	147	150	1,876	10.4	2.2	8.1	2.18	2.67	9.66
1985 Jan p	173	141	249	1,120	5.4	1.3	4.2	2.09	2.65	10.72
Feb p	172	140	390	870	5.6	1.4	4.2	2.20	2.84	11.19
Mar *p	171	139	555	1,660	8.9	3.2	5.7	1.63	2.06	8.92

1. At the end of period. 2. Absence for which no reason has been given (ie excludes absence through industrial disputes). 3. Absence mainly for sickness or injury. 4. Saleable deep-mined revenue coal. 5. Output from production faces divided by production manshifts. 6. Average numbers during 1984 were: Total 178 thousand (- 9.4 per cent compared with 1983), Underground 145 thousand (- 9.3 per cent compared with 1983).

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		Million therms	
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	
1984 p	17,884	12,893	4,992	72.1	27.9	17,788	
Per cent change	+ 3.1	- 1.5	+ 17.3			+ 3.4	
1984 Jan	2,104	1,613	491	76.7	23.3	2,092	
Feb	2,077	1,587	491	76.4	23.6	2,078	
Mar *	2,430	1,821	610	74.9	25.1	2,436	
Total	6,611	5,020	1,591	75.9	24.1	6,607	
1985 Jan	2,331	1,824	507	78.2	21.8	2,337	
Feb	2,224	1,719	504	77.3	22.7	2,254	
Mar *p	2,540	1,927	614	75.8	24.2	2,537	
Total	7,095	5,470	1,625	77.1	22.9	7,128	
Per cent change	+ 7.3	+ 9.0	+ 2.1			+ 7.9	

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	
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	
1984 p	17,302	181	387	5,475	8,931	2,330	
Per cent change	+ 2.7	(+)	+ 13.2	+ 3.4	+ 0.7	+ 3.1	
1982 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	
3rd quarter p	2,336	48	85	1,078	902	222	
4th quarter p	5,047	93	103	1,495	2,656	700	
Per cent change ³	+ 0.7	(+)	+ 17.0	+ 3.2	- 4.8	+ 4.8	

1. Public supply and transport power stations. 2. Public administration and commerce. 3. Per cent change on the corresponding period of the previous year.

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				
	<i>Million tonnes coal or coal equivalent</i>						<i>TWh</i>						
United Kingdom													
1980	114.77	89.57	11.23	0.22	11.93	1.72	266.38	33.46	227.97	18.71	246.67		
1981	110.19	87.23	8.69	—	12.17	2.03	259.73	34.04	220.26	17.62	242.11		
1982	107.07	79.95	10.63	—	14.41	2.02	255.44	40.00	209.96	17.65	237.79		
1983	108.03	81.44	8.08	—	16.47	2.02	260.44	45.78	208.51	19.13	241.31		
1984 p	109.45	53.41	36.17	0.39	17.72	1.75	265.92	49.50	209.10	19.62	246.30		
<i>Per cent change</i>	+ 1.3	-34.4	(+)	(+)	+ 7.6	-13.5	+ 2.1	+ 8.1	+ 0.3	+ 2.6	+ 2.1		
1984 Jan	10.20	7.70	0.76	—	1.45	0.28	24.62	4.02	19.83	1.77	22.85		
Feb	10.20	7.65	0.78	—	1.54	0.23	24.61	4.27	19.70	1.75	22.86		
Mar *	12.11	9.11	1.16	—	1.61	0.22	29.31	4.49	24.13	2.10	27.20		
Total	32.50	24.47	2.70	—	4.60	0.73	78.53	12.77	63.66	5.62	72.91		
1985 Jan	10.78	3.92	4.70	0.08	1.93	0.15	26.22	5.32	19.95	1.89	24.33		
Feb	10.70	3.89	4.72	0.07	1.87	0.15	26.03	5.18	20.11	1.84	24.20		
Mar *p	12.29	6.02	3.83	0.12	2.17	0.16	29.86	6.02	23.23	2.21	27.65		
Total	33.77	13.82	13.26	0.27	5.97	0.46	82.11	16.52	63.29	5.94	76.17		
<i>Per cent change</i>	+ 3.9	-43.5	(+)	(+)	+ 29.8	-36.9	+ 4.6	+ 29.4	-0.6	+ 5.5	+ 4.5		
England and Wales													
1980	99.21	80.77	8.56	0.22	9.44	0.12	230.94	26.55	203.71	15.59	215.25		
1981	94.47	78.63	6.11	—	9.53	0.13	224.32	26.70	196.85	14.83	209.49		
1982	91.84	72.97	7.57	—	11.13	0.11	220.51	30.97	188.77	14.70	205.81		
1983	93.57	76.31	4.40	—	12.72	0.11	226.32	35.53	189.42	16.11	210.21		
1984 p	93.44	49.87	29.30	0.39	13.78	0.09	226.97	38.76	185.02	16.50	210.46		
<i>Per cent change</i>	-0.1	-34.6	(+)	(+)	+ 8.3	-23.2	+ 0.3	+ 9.1	-2.3	+ 2.4	+ 0.1		
1984 Jan	8.66	7.10	0.37	—	1.17	0.02	21.05	3.25	17.64	1.50	19.55		
Feb	8.65	7.06	0.40	—	1.18	0.01	21.00	3.29	17.57	1.47	19.53		
Mar *	10.36	8.53	0.68	—	1.15	0.01	25.15	3.25	21.76	1.75	23.40		
Total	27.67	22.68	1.45	—	3.50	0.04	67.19	9.78	56.97	4.71	62.48		
1985 Jan	9.26	3.80	3.80	0.08	1.57	0.01	22.40	4.35	17.45	1.60	20.80		
Feb	9.18	3.78	3.83	0.07	1.49	0.01	22.20	4.15	17.66	1.54	20.65		
Mar *p	10.54	5.49	3.22	0.12	1.71	0.01	25.57	4.77	20.57	1.88	23.68		
Total	28.98	13.07	10.85	0.27	4.77	0.02	70.16	13.27	55.68	5.02	65.14		
<i>Per cent change</i>	+ 4.7	-42.4	(+)	(+)	+ 36.3	-37.1	+ 4.4	+ 35.7	-2.3	+ 6.6	+ 4.3		

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

GWh

	Total	Iron and steel industry	Other industries	Domestic	Other ¹
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
1984 p	229,955	9,289	73,956	83,975	62,733
<i>Per cent change</i>	+ 2.2	-0.8	+ 2.6	+ 1.2	+ 3.6
1982 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
3rd quarter p	48,349	2,097	17,445	15,331	13,476
4th quarter p	61,617	2,291	19,149	23,537	16,640
<i>Per cent change²</i>	+ 1.5	-5.2	+ 3.4	-0.3	+ 2.9

1. Mainly commerce, public administration and agriculture. 2. Per cent change on the corresponding period of the previous year.

Petroleum

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

	Indigenous Production ²			Crude Oil ⁴							Petroleum Products		
				Refinery Receipts			Foreign Trade ⁸				Foreign Trade ⁸		
	Total	Crude Oil	NGLs ³	Indigenous ⁵	Other ⁶	Net Foreign ⁷ Arrivals	Arrivals	Shipments	Arrivals	Shipments	Bunkers ¹⁰		
	<i>Million tonnes</i>												<i>Thousand tonnes</i>
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	
1984 p	125.9	121.2	4.8	45,345	2,196	30,908	32,272	77,271	1,363	23,082	14,234	2,248	
Per cent change	+ 9.6	+ 9.4	+ 17.1	+ 1.2	- 7.2	+ 6.0	+ 6.4	+ 14.7	+ 17.4	(+)	- 3.0	+ 11.3	
1984 Jan	10.8	10.4	0.4	5,092	73	1,964	2,032	5,946	69	909	1,313	135	
Feb	10.4	10.0	0.4	3,428	133	2,031	2,262	6,570	230	929	1,049	133	
Mar	10.6	10.2	0.4	3,191	196	1,827	2,003	7,115	176	1,109	778	142	
Total	31.9	30.6	1.3	11,711	402	5,822	6,297	19,630	475	2,947	3,140	409	
1985 Jan	11.7	11.2	0.5	3,388	113	2,667	2,807	7,780	141	2,526	1,495	152	
Feb	10.3	9.8	0.4	3,375	8	2,446	2,500	6,440	53	3,040	1,149	152	
Mar p	11.1	10.6	0.5	3,752	128	3,598	3,671	7,465	73	1,793	1,199	156	
Total	33.0	31.6	1.4	10,515	249	8,711	8,978	21,685	267	7,359	3,843	460	
Per cent change	+ 3.4	+ 3.3	+ 7.7	- 10.2	- 38.1	+ 49.6	+ 42.6	+ 10.5	- 43.8	(+)	+ 22.4	+ 12.5	

1. Calendar Months. 2. Includes for convenience offshore and land production. 3. Condensates and petroleum gases derived at onshore treatment plants. 4. Includes process (partly refined) oils. 5. Includes condensate for distillation. 6. Mainly recycled products. 7. Arrivals less re-exports. 8. Foreign Trade recorded by the Petroleum Industry and may differ from figures published in the Overseas Trade Statistics. 9. Mainly process oils but may include re-exports of crude oil. 10. International marine bunkers.

TABLE 12. Refinery throughput and output of petroleum products¹

	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
					Butane and propane	Other Petroleum			Aviation turbine fuel	Burn-ing oil				
		Fuel	Losses/(Gains)											
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
1984 p	79,117	5,350	579	73,187	1,578	78	3,206	22,236	5,352	2,066	21,547	13,071	1,108	1,795
Per cent change	+ 2.9	+ 1.0	- 11.2	+ 3.2	+ 6.5	+ 39.3	- 9.7	+ 5.6	+ 13.3	+ 16.7	+ 2.5	- 3.1	+ 18.4	- 0.2
1984 Jan	6,597	483	36	6,078	140	7	352	1,706	380	212	1,927	1,066	96	79
Feb	6,314	446	40	5,829	123	5	330	1,666	389	206	1,751	1,040	92	132
Mar	6,079	398	22	5,659	80	5	312	1,612	441	153	1,825	903	103	166
Total	18,990	1,326	97	17,566	343	16	993	4,983	1,210	572	5,502	3,009	290	377
1985 Jan	6,748	444	29	6,276	101	6	334	1,678	398	239	1,970	1,302	94	61
Feb	6,119	410	(12)	5,721	117	6	271	1,534	364	209	1,846	1,087	99	92
Mar p	6,906	441	24	6,440	125	6	243	1,860	443	224	1,931	1,226	98	168
Total	19,773	1,295	40	18,437	343	17	848	5,072	1,206	673	5,747	3,615	291	320
Per cent change	+ 4.1	- 2.3	- 58.8	+ 5.0	-	+ 6.3	- 14.6	+ 1.8	- 0.3	+ 17.7	+ 4.5	+ 20.1	+ 0.3	- 15.1

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.

TABLE 13. Deliveries of petroleum products for inland consumption¹

	Total ² ³	Butane ⁴ and propane	Naphtha ⁵ (LDF)	Motor spirit	Kerosene			Gas/diesel oil		Fuel oil	Lubricating oils	Bitumen			
					Aviation turbine fuel	Burning oil									
						Premier	Domestic	Other							
1980	71,177	1,287	3,277	19,145	4,685	348	1,356	399	5,854	11,771	19,157	896	1,826		
1981	66,256	1,209	3,656	18,718	4,495	258	1,230	417	5,549	11,554	15,656	837	1,666		
1982	67,246	1,449	3,412	19,247	4,474	199	1,142	404	5,731	11,023	16,191	827	1,956		
1983	64,464	1,778	3,570	19,566	4,566	156	1,121								

TABLE 14. Deliveries of petroleum products for inland consumption: energy uses^{1 2}

Thousand tonnes

	Total	Power ³ stations	Gas works	Iron and steel industry	Other industries	Transport ⁴	Domestic	Other ⁵
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
1984 p	73,259	20,913	157	866	9,364	33,823	2,139	5,996
Per cent change	+29.8	(+)	-1.3	-17.2	-9.0	+4.9	+4.6	-0.2
1983 Dec	4,976	413	14	89	956	2,674	230	601
1984 Jan	4,898	457	17	91	964	2,436	239	694
Feb	4,853	324	20	88	955	2,557	236	672
Total	14,727	1,194	51	268	2,875	7,666	705	1,967
1984 Dec	7,356	3,003	14	68	825	2,683	217	546
1985 Jan	7,494	2,483	16	91	1,169	2,591	299	844
Feb p	7,444	2,821	15	88	1,041	2,519	250	711
Total	22,294	8,307	45	247	3,035	7,794	766	2,101
Per cent change	+51.4	(+)	-11.8	-7.8	+5.6	+1.7	+8.7	+6.8

1. Calendar Months. 2. Excludes non-energy use. 3. Public supply, railway and transport power stations. 4. Includes coastal shipping and fishing.

5. Mainly public administration, commerce and agriculture.

TABLE 15. Stocks of petroleum at end of month¹

	Oil Industry		Power stations ³
	Million tonnes	Estimated days supply ²	Million tonnes
1984 Jan	16.7	82	1.29
Feb	16.1	77	1.21
Mar	15.3	70	1.14
1985 Jan p	13.9	53	1.11
Feb p	13.3	67	1.04
Mar p	14.4	82	1.13

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. 2. Based on actual deliveries, with forecasts beyond the latest period. 3. Fuel oil held at main oil burning stations in Great Britain.

APPROXIMATE CONVERSION FACTORS

(last digit rounded to nought or five)

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

To \ From	Million tonnes coal equiv.	Million tonnes oil equiv.	Million therms	TWh electrical energy	TWh electricity generated
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

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.

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 July October	165	169	162
1974 January ²	40.5	42	41.5		171	174	166
1975 January	71	73	56	1983 January April July October	163	167	171
1976 January	75	77	62		175	179	171
1977 January	78	80	78	1984 January April July October	180	184	169
1978 January	74	76	84		179	183	168
1979 January	78	80	84	1985 January April p	179	183	167
1980 January	118	120	126		186	189	173
1981 January	130	132	140		185	189	173
1982 January	156	159	159		201	205	183

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.