

Small rise in oil deliveries

Total energy

Continuing rise in gas consumption

Total inland energy consumption on a primary fuel input basis during the three-month period February to April was 1.1 per cent higher than in the corresponding period of 1977. Of the individual primary fuels natural gas consumption rose by 9.3 per cent and petroleum deliveries were 2.8 per cent higher, but, continuing the recent pattern, coal consumption fell by 4.7 per cent, the drop of 0.5 million tonnes in April being the seventh successive month of comparable monthly decline.

The period from February to April was substantially colder than last year and after allowing for this, the seasonally adjusted and temperature corrected series indicates that total energy consumption was 1.3 per cent below last year's level. Measured in this way at an annual rate, consumption of coal fell by over 7 per cent and the increases in petroleum and natural gas consumption are about 1 per cent and 5½ per cent respectively.

Coal

Output near to last year's levels

Coal production during the three-month period March to May totalled 33.4 million tonnes, 0.7 per cent lower than in the same period last year. Deep-mined output fell by 2.8 per cent, although this was partly offset by higher opencast production which increased by 9 per cent. The decline in total output was confined to the last month of the period, which this year contained the extra bank holiday. Production of coal at both deep mines and opencast sites was lower than in May last year.

Almost all sectors of demand showed a drop in coal consumption during the latest three-month period from March to May compared with the corresponding months last year: consumption at coke ovens continued at the low level of recent months, and was down by nearly one-fifth while power station consumption was lower by 1.8 per cent. Colliery disposals of coal to the two principal final user markets also declined, industrial consumers taking 4 per cent less than a year ago while disposals of housecoal fell by 7.7 per cent.

Gas

Demand still high

Total gas sent out during the three-month period from March to May inclusive was 6.1 per cent higher than in the corresponding period in 1977 although the increase occurred almost wholly in the first two months of the period. Gas sent out in May was only marginally higher than a year ago possibly as a result of the extra bank holiday this year.

Electricity

Small increase in electricity supplied

Total electricity supplied in the UK during the three-month period February to April was 3.5 per cent higher than in the comparable period of 1977. Generation by nuclear power stations in England and Wales was a little higher than a year ago but generation in Scotland fell by almost 25 per cent and conse-

quently for the UK public supply system as a whole nuclear generation was lower by 3 per cent.

Total fuel used for generation rose by 0.9 million tonnes coal equivalent or 2.9 per cent, with coal consumption lower by 0.4 million tonnes. Oil consumption rose during the period by 1.2 million tonnes coal equivalent, an increase of over a quarter from the very low levels of use a year ago.

Petroleum

North Sea production up by over a third

Gross indigenous production of crude petroleum during the period February to April was 11.3 million tonnes, over a third higher than in the comparable period of last year.

Deliveries of petroleum products during the three-month period February to April totalled 22.4 million tonnes, 3.4 per cent higher than in the corresponding period last year. Deliveries of naphtha, used principally as a petrochemical feedstock, increased by 9 per cent. Of the transport fuels, deliveries of motor spirit and aviation turbine fuel rose by 1.5 and 6.2 per cent respectively but deliveries of derv fuel fell slightly and were 3.6 per cent lower than a year ago. Fuel oil deliveries rose by 0.4 million tonnes, an increase of 5.7 per cent, largely in response to higher demands for electricity generation and deliveries of gas diesel oil rose by 1.5 per cent.

Supplementary Data

Industrial fuel prices

Provisional results for the first quarter of 1978 are shown in the final table of this bulletin which contains for the first time a series provided by the British Gas Corporation for the average price of gas supplied under new or renewed contracts.

The average price paid by large industrial consumers for coal, gas oil, and gas changed only slightly between the fourth quarter of 1977 and the first quarter of this year while for heavy fuel oil it fell by 3 per cent and electricity prices showed an increase of almost 7 per cent.

Provisional prices realised in new and renewed contracts for heavy fuel oil and gas oil fell slightly, the former to a little below the level twelve months previously. In the case of gas average prices increased by some 2 per cent.

Enclosed with this edition of *Energy Trends* is a copy of the 1978 pocket-sized card containing a selection from the statistics covering the last ten years that will be found in the *Digest of United Kingdom Energy Statistics 1978* (due to be published at the end of July).

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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.
Percentage changes relate to the corresponding period a year ago. These comparisons can be affected by calendar differences, especially during periods of rapid change. 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.

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						
1974	337.5	117.9	152.5	52.9	12.1	2.1
1975	324.8	120.0	136.5	55.4	10.9	2.0
1976	329.8	122.0	134.2	58.8	12.9	1.9
1977 p	338.4	122.7	136.6	62.8	14.3	2.0
Per cent change	+2.6	+0.6	+1.7	+6.8	+11.0	+7.2
1977 Jan–Apr	125.6	46.1	48.3	25.2	5.2	0.8
1978 Jan–Apr p	126.0	43.2	49.3	27.4	5.3	0.8
Per cent change	+0.3	–6.3	+2.2	+8.5	+2.1	+8.9
1977 Feb	31.4	11.8	11.9	6.3	1.3	0.1
Mar*	36.1	13.2	14.0	7.0	1.7	0.2
Apr	27.4	10.0	10.7	5.3	1.2	0.2
Total	94.9	35.0	36.6	18.6	4.2	0.5
1978 Feb	32.0	11.3	12.2	7.0	1.4	0.1
Mar*	36.0	12.6	14.2	7.4	1.5	0.3
Apr p	27.8	9.5	11.2	5.8	1.1	0.2
Total	95.8	33.4	37.6	20.2	4.0	0.6
Per cent change	+1.1	–4.7	+2.8	+9.3	–1.2	+3.4
Seasonally adjusted and temperature corrected ⁴ (annual rates)						
1977 Jan–Apr	338.1	127.0	134.1	61.4	13.8	1.8
1978 Jan–Apr p	333.8	117.5	135.3	64.9	14.2	1.9
Per cent change	–1.3	–7.5	+0.9	+5.6	+3.0	+10.2
1977 Feb	343.5	131.0	135.7	61.4	14.0	1.4
Mar*	337.2	125.5	133.5	61.7	14.4	2.1
Apr	338.2	125.7	134.6	61.9	13.7	2.3
Average	339.5	127.2	134.5	61.7	14.1	2.0
1978 Feb	329.6	117.5	134.0	61.5	15.1	1.5
Mar*	335.4	117.8	134.7	68.8	13.9	2.2
Apr p	340.0	119.5	138.4	66.6	13.0	2.5
Average	335.0	118.2	135.6	65.1	14.0	2.1
Per cent change	–1.3	–7.1	+0.8	+5.6	–0.6	+6.4

	Total	Coal ¹	Petroleum ²	Natural ³ gas	Nuclear electricity	Hydro-electricity
Million tonnes of oil or oil equivalent						
1974	198.6	69.3	89.7	31.2	7.1	1.3
1975	191.1	70.6	80.3	32.6	6.4	1.2
1976	194.0	71.8	78.9	34.6	7.6	1.1
1977 p	199.0	72.2	80.3	36.9	8.4	1.2
Per cent change	+2.6	+0.6	+1.7	+6.8	+11.0	+7.2
1977 Jan–Apr	73.8	27.1	28.4	14.8	3.1	0.4
1978 Jan–Apr p	74.1	25.4	29.0	16.1	3.1	0.5
Per cent change	+0.3	–6.3	+2.2	+8.5	+2.1	+8.9
1977 Feb	18.5	7.0	7.0	3.7	0.7	0.1
Mar*	21.2	7.8	8.2	4.1	1.0	0.1
Apr	16.1	5.9	6.3	3.1	0.7	0.1
Total	55.8	20.7	21.5	10.9	2.4	0.3
1978 Feb	18.8	6.6	7.2	4.1	0.8	0.1
Mar*	21.2	7.4	8.3	4.4	0.9	0.2
Apr p	16.4	5.6	6.6	3.4	0.7	0.1
Total	56.4	19.6	22.1	11.9	2.4	0.4
Per cent change	+1.1	–4.7	+2.8	+9.3	–1.2	+3.4
Seasonally adjusted and temperature corrected ⁴ (annual rates)						
1977 Jan–Apr	198.8	74.7	78.9	36.1	8.1	1.0
1978 Jan–Apr p	196.4	69.1	79.6	38.2	8.4	1.1
Per cent change	–1.3	–7.5	+0.9	+5.6	+3.0	+10.2
1977 Feb	201.9	77.0	79.8	36.1	8.2	0.8
Mar*	198.3	73.8	78.5	36.3	8.5	1.2
Apr	199.0	73.9	79.2	36.4	8.1	1.4
Average	199.7	74.8	79.1	36.3	8.3	1.2
1978 Feb	193.9	69.1	78.8	36.2	8.9	0.9
Mar*	197.3	69.3	79.2	39.3	8.2	1.3
Apr p	200.0	70.3	81.4	39.2	7.6	1.5
Average	197.1	69.6	79.8	38.3	8.2	1.2
Per cent change	–1.3	–7.1	+0.8	+5.6	–0.6	+6.4

Explanatory notes on the definitions and concepts used in the tables and on the relationship between some of the main series are given in the Supplement to the March 1976 issue of *Energy Trends* and on the first page of the August 1976 issue. Extra copies of that Supplement may be obtained from the Department of Energy.

Symbols used in the tables

- .. not available.
- nil or less than half the final digit shown.
- * five-week period.
- p provisional.

1. Consumption by fuel producers plus colliery disposals to final users, plus (for annual figures only) net foreign trade and stock change in other solid fuels.
2. Refinery throughput of crude oil, plus net foreign trade and stock change in petroleum products, less deliveries of non-energy products.
3. Excluding gas flared, or reinjected. 4. Coal, petroleum and natural gas are temperature corrected.

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

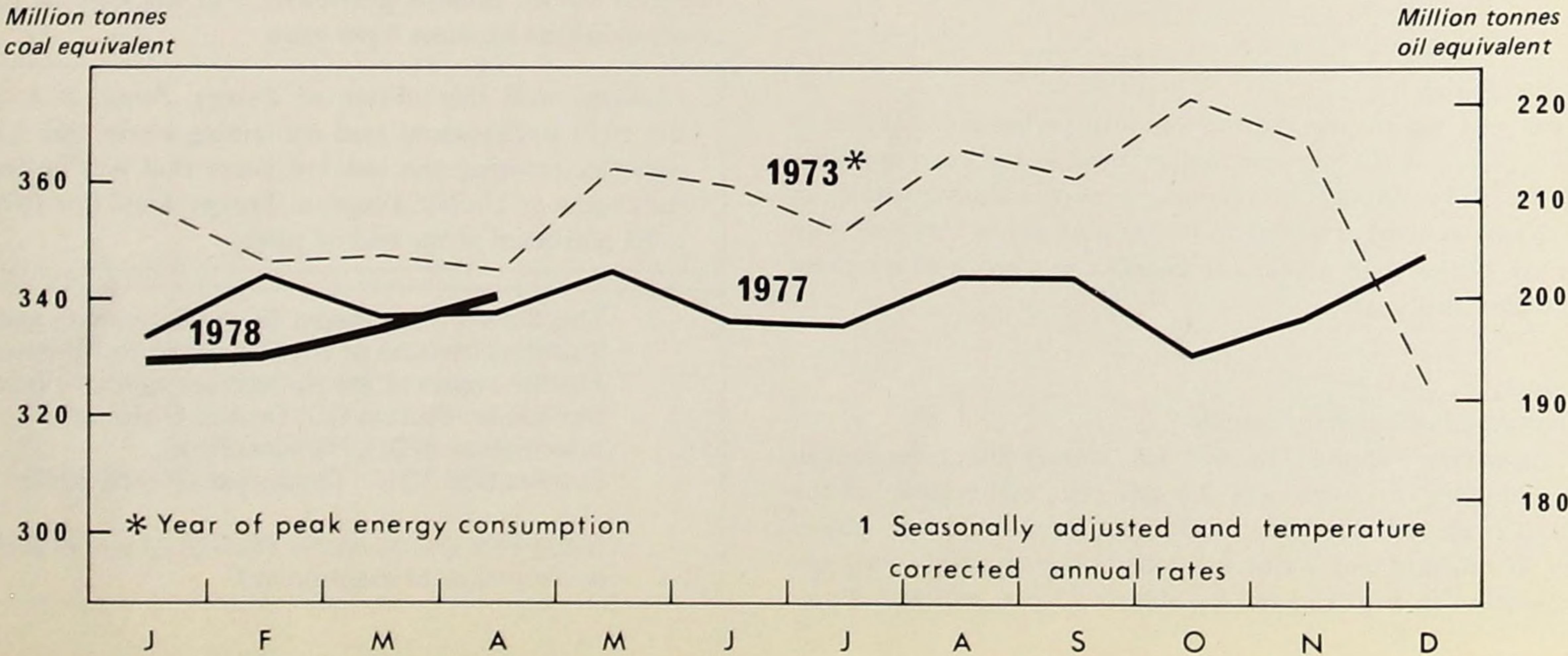


TABLE 2. Supply and use of fuels

Million therms

			Per cent change	1975	1976				1977 p				Per ¹ cent change
	1976	1977 p		4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	
PRIMARY FUELS AND EQUIVALENTS:													
Production of primary fuels													
Coal	30,166	29,737	-1.4	8,442	8,006	7,635	6,378	8,147	7,568	7,538	6,463	8,168	+0.3
Petroleum ²	5,206	16,326	(+)	415	574	1,020	1,335	2,277	3,295	4,209	4,341	4,481	(+)
Natural gas ³	14,379	14,976	+4.2	4,214	4,727	2,962	2,173	4,517	4,910	3,450	2,483	4,133	-8.5
Primary electricity	3,411	3,761	+10.3	841	926	786	770	929	1,070	877	852	962	+3.6
Total	53,162	64,800	+21.9	13,912	14,233	12,403	10,656	15,870	16,843	16,074	14,139	17,744	+11.8
Arrivals. Petroleum ⁴	43,174	35,723	-17.3	11,117	10,992	10,949	10,160	11,073	9,613	9,114	8,251	8,745	-21.0
Other	1,183	1,353	+14.4	430	351	336	270	226	193	197	366	597	(+)
Shipments	9,176	13,827	+50.7	1,882	1,745	2,068	2,507	2,856	2,973	3,649	3,885	3,320	+16.2
Bunkers	1,468	1,163	-20.8	344	371	346	381	370	316	303	293	251	-32.2
Stock change ⁵													
Solid fuels	-634	+231	..	-703	+312	-820	-388	+262	+1,247	-386	-194	-436	..
Crude petroleum	-378	+459	..	+78	+354	-196	-25	-511	+159	-231	+252	+279	..
Petroleum products	+240	+423	..	+707	+648	-431	-367	+390	+560	-222	-314	+399	..
Non-energy use	4,448	4,373	-1.7	1,135	1,138	1,111	1,159	1,040	1,123	1,110	1,109	1,031	-0.9
Statistical difference ⁶	+54	+54	..	-12	+58	-23	-2	+21	-53	+177	-49	-21	..
Total primary ⁷ energy input	81,709	83,680	+2.4	22,168	23,694	18,693	16,257	23,065	24,150	19,661	17,164	22,705	-1.6
Conversion losses etc. ⁸	24,380	25,148	+3.2	6,905	6,913	5,596	4,905	6,966	7,275	5,856	5,261	6,756	-3.0
FINAL CONSUMPTION BY USER													
Iron and steel industry													
Coal	66	65	-1.5	19	23	14	9	20	23	15	9	18	-10.0
Other solid fuel ⁹	2,723	2,363	-13.2	571	631	719	670	703	655	584	593	531	-24.5
Other coal-derived fuels ¹⁰	401	367	-8.5	92	98	109	97	97	95	90	97	85	-12.4
Gas ¹¹	438	485	+10.7	100	108	112	99	119	128	125	113	119	-
Electricity	395	382	-3.3	91	100	96	90	109	102	94	90	96	-11.9
Petroleum	1,279	1,203	-5.9	330	354	306	273	346	351	285	256	311	-10.1
Total	5,302	4,865	-8.2	1,203	1,314	1,356	1,238	1,394	1,354	1,193	1,158	1,160	-16.8
Other industries													
Coal	2,277	2,294	+0.7	657	547	564	470	696	617	530	483	664	-4.6
Other solid fuel ⁹	126	160	+27.0	30	38	24	27	37	39	39	36	46	+24.3
Other coal-derived fuels ¹⁰	76	57	-25.0	16	13	23	25	15	17	17	14	9	-40.0
Gas ¹¹	5,241	5,459	+4.2	1,308	1,456	1,236	1,083	1,466	1,431	1,373	1,171	1,484	+1.2
Electricity	2,364	2,410	+1.9	592	617	563	546	638	646	598	557	609	-4.5
Petroleum	7,441	7,555	+1.5	2,224	2,255	1,696	1,400	2,090	2,254	1,783	1,437	2,081	-0.4
Total	17,525	17,935	+2.3	4,827	4,926	4,106	3,551	4,942	5,004	4,340	3,698	4,893	-1.0
Transport sector													
Coal and other solid fuel	21	19	-9.5	7	7	4	2	8	6	4	2	7	-12.5
Electricity	98	102	+4.1	25	26	24	22	26	27	26	24	25	-3.8
Petroleum	12,597	12,933	+2.7	3,043	2,889	3,198	3,333	3,177	2,988	3,218	3,421	3,306	+4.1
Total	12,716	13,054	+2.7	3,075	2,922	3,226	3,357	3,211	3,021	3,248	3,447	3,338	+4.0
Domestic sector													
Coal	3,143	3,235	+2.9	766	932	765	634	812	851	774	704	906	+11.6
Other solid fuel ⁹	869	860	-1.0	201	277	196	208	188	231	208	228	193	+2.7
Gas ¹¹	6,194	6,587	+6.3	1,828	2,403	1,055	686	2,050	2,412	1,370	770	2,035	-0.7
Electricity	2,905	2,932	+0.9	838	993	585	464	863	972	638	511	811	-6.0
Petroleum	1,435	1,435	-	461	519	268	176	472	514	291	201	429	-9.1
Total	14,546	15,049	+3.5	4,094	5,124	2,869	2,168	4,385	4,980	3,281	2,414	4,374	-0.3
Other final users ¹²													
Coal	516	543	+5.2	160	172	113	73	158	166	118	82	177	+12.0
Other solid fuel ⁹	166	175	+5.4	43	51	44	37	34	52	39	48	36	+5.9
Gas ¹¹	1,521	1,587	+4.3	394	571	317	169	464	561	380	180	466	+0.4
Electricity	1,596	1,692	+6.0	437	478	345	308	465	497	386	345	464	-0.2
Petroleum	3,441	3,632	+5.6	1,028	1,223	721	451	1,046	1,240	820	531	1,041	-0.5
Total	7,240	7,629	+5.4	2,062	2,495	1,540	1,038	2,167	2,516	1,743	1,186	2,184	+0.8
Total final users	57,329	58,532	+2.1	15,261	16,781	13,097	11,352	16,099	16,875	13,805	11,903	15,949	-0.9
FINAL CONSUMPTION BY FUEL													
Coal	6,022	6,156	+2.2	1,609	1,681	1,460	1,188	1,693	1,663	1,441	1,280	1,772	+4.7
Other solid fuel ⁹	3,885	3,558	-8.4	845	997	983	942	963	977	870	905	806	-16.3
Other coal-derived fuels ¹⁰	477	424	-11.1	108	111	132	122	112	112	107	111	94	-16.1
Gas ¹¹	13,394	14,118	+5.4	3,630	4,538	2,720	2,037	4,099	4,532	3,248	2,234	4,104	+0.1
Electricity	7,358	7,518	+2.2	1,983	2,214	1,613	1,430	2,101	2,244	1,742	1,527	2,005	-4.6
Petroleum	26,193	26,758	+2.2	7,086	7,240	6,189	5,633	7,131	7,347	6,397	5,846	7,168	+0.5
Total all fuels	57,329	58,532	+2.1	15,261	16,781	13,097	11,352	16,099	16,875	13,805	11,903	15,949	-0.9

1. Per cent change on the corresponding period of the previous year. 2. Crude petroleum and natural gas liquids. 3. Excluding gas flared or reinjected. 4. Crude petroleum, process oils and petroleum products. 5. Stock fall (+) stock rise (-). 6. Supply greater than recorded demand (-). 7. Thermal equivalent of total inland energy consumption in Table 1. A more detailed analysis of the annual figures is shown in the Digest of United Kingdom Energy Statistics 1977 Tables 8 and 10. 8. Losses in conversion and distribution and used by fuel industries. 9. Coke and other manufactured solid fuels. 10. Coke oven gas, creosote/pitch mixtures and other liquid fuels derived from coal. 11. Natural gas supplied direct, and town gas. 12. Mainly public administration, commerce and agriculture.

Coal

TABLE 3. Supply

Thousand tonnes

	Net inland supply	Production			Net imports	Imports ²	Exports ²	Tonnage lost (deep-mined) ³	
		Total ¹	Deep-mined	Opencast				Recognised holidays and rest days	Disputes
1974	112,132	110,451	99,992	9,231	+1,681	3,546	1,865	10,518	16,253
1975	131,583	128,682	117,411	10,414	+2,901	5,083	2,182	12,300	352
1976	125,201	123,800	110,264	11,944	+1,401	2,837	1,436	12,345	1,157
1977 p	122,623	122,150	107,123	13,551	+473	2,414	1,941	12,457	814
Per cent change	-2.1	-1.3	-2.8	+13.5	-66.2	-14.9	+35.2	+0.9	-29.6
1977 Jan-May	51,507	51,624	46,516	4,738	-117	718	835	3,595	341
1978 Jan-May p	51,819	51,570	45,564	5,236	+249	1,064	815	4,186	769
Per cent change	+0.6	-0.1	-2.0	+10.5		+48.2	-2.4	+16.4	(+)
1977 Mar*	13,146	13,316	12,091	1,165	-170	49	219	—	72
Apr	9,734	9,755	8,691	964	-21	125	146	860	46
May	10,561	10,577	9,385	1,122	-16	159	175	74	91
Total	33,441	33,648	30,167	3,251	-207	333	540	934	209
1978 Mar*	13,543	13,538	12,002	1,361	+5	210	205	162	92
Apr	9,913	9,892	8,692	1,075	+21	153	132	876	198
May p	10,032	9,968	8,639	1,109	+64	223	159	534	339
Total	33,488	33,398	29,333	3,545	+90	586	496	1,572	629
Per cent change	+0.1	-0.7	-2.8	+9.0		+76.0	-8.1	+68.3	(+)

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. NCB only.

TABLE 4. Inland consumption of coal

Thousand tonnes

	Total inland consumption	Fuel producers					Final users ¹			
		Primary	Secondary				Colliery disposals			
		Collieries	Power stations ²	Coke ovens	Gas works	Other ³ conversion industries	Industry ⁴	Domestic ⁵		Other ⁸
								House coal ⁶	Other ⁷	
1974	117,887	1,256	67,025	18,461	107	3,788	11,077	11,981	1,687	2,505
1975	122,216	1,238	74,569	19,085	10	4,063	9,685	9,915	1,703	1,948
1976	123,603	1,132	77,818	19,401	8	3,405	8,970	9,450	1,374	2,045
1977 p	123,978	1,124	79,956	17,406	7	3,166	9,033	9,635	1,502	2,149
Per cent change	+0.3	-0.7	+2.7	-10.3	-12.5	-7.0	+0.7	+2.0	+9.3	+5.1
1977 Jan-May	55,659	502	36,869	7,563	4	1,225	3,824	4,132	562	978
1978 Jan-May p	52,344	477	35,608	6,071	3	1,223	3,749	3,641	577	995
Per cent change	-6.0	-5.0	-3.4	-19.7	-25.0	-0.2	-2.0	-11.9	+2.7	+1.7
1977 Mar*	13,223	128	8,540	1,858	1	284	999	1,021	148	244
Apr	10,006	96	6,590	1,390	1	244	679	734	99	173
May	9,536	104	6,056	1,357	1	250	695	805	48	150
Total	32,765	328	21,186	4,605	3	778	2,373	2,560	365	567
1978 Mar*	12,581	127	8,376	1,419	1	275	973	974	159	277
Apr	9,476	92	6,361	1,188	—	224	644	691	108	168
May p	9,148	85	6,068	1,136	—	232	661	698	98	170
Total	31,205	304	20,805	3,743	1	731	2,278	2,363	365	615
Per cent change	-4.8	-7.3	-1.8	-18.7	-66.6	-6.0	-4.0	-7.7	—	+8.5

1. Disposals by collieries and opencast sites. 2. Public supply and railway and transport power stations. 3. Low temperature carbonisation and patent fuel plants. 4. Prior to October 1973 the figures related to actual consumption. 5. Prior to April 1973 the figures relate to merchants' disposals to the domestic market. 6. Including miners' coal. 7. Anthracite, dry steam coal and imported naturally smokeless fuels. 8. Mainly public administration and commerce.

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

Thousand tonnes

	Total	Distributed					Undistributed		
		Total distributed stocks	Power stations	Coke ovens	Gas works	Other	Total undistributed stocks	Collieries	Opencast sites and central stocking grounds
1972	30,459	19,350	17,060	1,920	51	319	11,109	7,679	3,430
1973	27,885	17,035	14,770	1,968	27	270	10,850	7,650	3,200
1974	21,806	15,827	13,629	1,851	3	344	5,979	4,009	1,970
1975	31,157	20,540	17,951	2,333	2	254	10,617	8,908	1,709
1976	33,115	22,457	19,598	2,684	2	173	10,658	9,295	1,363
1977 p	31,534	21,704	19,128	2,368	2	206	9,830	8,290	1,540
1977 Mar	27,898	18,392	15,836	2,357	2	197	9,506	8,432	1,074
Apr	27,932	18,028	15,519	2,322	2	185	9,904	8,750	1,154
May	28,738	19,114	16,534	2,375	2	203	9,624	8,400	1,224
1978 Mar	29,638	19,389	17,381	1,844	2	162	10,249	8,655	1,594
Apr	30,039	19,261	17,313	1,776	1	171	10,778	9,118	1,660
May p	30,820	19,834	17,824	1,829	1	180	10,986	9,264	1,722
Absolute change: in latest month	+781	+573	+511	+53	—	+9	+208	+146	+62
On a year ago	+2,082	+720	+1,290	-546	-1	-23	+1,362	+864	+498

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 ²			Average output per manshift ³	
	Total	Underground			Total	Voluntary	Involuntary	Overall	At the face
	Thousands								
1972	266	210	13,255	26,114	16.6	3.9	12.7	2.21	7.33
1973	245	193	17,402	37,961	18.0	4.1	13.9	2.29	7.62
1974	246	194	26,436	25,133	16.3	4.1	12.2	2.18	7.56
1975	245	194	21,347	22,451	16.2	4.0	12.2	2.28	7.92
1976	241	192	17,061	21,239	17.4	3.7	13.7	2.23	7.75
1977 p	239	189	29,361	31,647	17.6	3.9	13.7	2.18	7.77
1977 Jan—May	242 ⁽⁴⁾	192 ⁽⁴⁾	12,655	9,794	18.4	4.0	14.4	2.28	7.96
1978 Jan—May p	239 ⁽⁴⁾	190 ⁽⁴⁾	10,118	9,252	18.1	4.4	13.7	2.31	8.60
Per cent change	—1.2	—1.0	—20.0	—5.5				+1.3	+8.0
1977 Mar*	242	192	3,386	2,364	19.7	4.3	15.4	2.33	8.07
Apr	243	193	2,941	1,905	18.5	4.5	14.0	2.26	7.97
May	244	194	2,850	2,077	16.2	3.3	12.9	2.28	8.05
1978 Mar*	239	190	2,620	2,124	19.9	4.9	15.0	2.38	8.88
Apr	240	190	2,421	1,922	17.3	4.6	12.7	2.30	8.62
May p	240	190	1,530	1,720	15.6	3.7	11.9	2.29	8.80

1. At end of period. 2. The definition was changed from 1973. 3. Excluding capital working and tip coal. 4. Average number during the period.

Gas

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

	Natural gas supply			Other fuel used		Gas sent out		
	Total into system	Source ¹		Coal	Oil ³	Total	Town gas	Natural ⁴ gas for direct supply
		Indigenous	Imported ²					
	Million therms			Thousand tonnes		Million therms		
1974	13,102	12,861	241	107	1,276	13,451	1,598	11,853
1975	13,692	13,367	325	9	588	13,822	752	13,070
1976	14,420	14,030	390	8	245	14,445	226	14,219
1977 p	15,373	14,734	639	7	166	15,323	75	15,248
Per cent change	+6.6	+5.0	+63.8	−5.3	−32.2	+6.1	−66.8	+7.2
1977 Jan–May	7,326	7,223	103	4	80	7,323	48	7,275
1978 Jan–May p	7,902	7,256	646	3	142	7,923	18	7,905
Per cent change	+7.9	+0.5	(+)	−25.8	+77.5	+8.2	−62.5	+8.7
1977 Mar*	1,779	1,756	23	1	15	1,783	11	1,772
Apr	1,289	1,281	8	1	10	1,288	8	1,280
May	1,062	1,038	24	—	8	1,055	6	1,049
Total	4,130	4,075	55	2	33	4,126	25	4,101
1978 Mar*	1,871	1,733	138	1	21	1,871	4	1,867
Apr	1,443	1,312	131	—	13	1,443	3	1,440
May p	1,063	975	88	1	20	1,065	4	1,061
Total	4,377	4,020	357	2	54	4,379	11	4,368
Per cent change	+6.0	−1.3	(+)	−27.7	+63.6	+6.1	−56.0	+6.5

1. Figures differ from production and imports respectively because of stock changes and small quantities not entering the public supply system.
 2. Includes imports from the Norwegian sector of the Frigg gasfield. 3. Mainly naphtha (LDF); liquefied petroleum gases (LPG) and refinery gases.
 4. Includes Substitute Natural Gas (SNG).

TABLE 8. Sales of gas by the public supply system

	Total	Power stations ¹	Iron and steel industry	Other industries	Domestic	Other ²
1972	9,787	630	437	3,215	4,509	996
1973	10,729	285	396	4,150	4,815	1,083
1974	12,668	985	395	4,635	5,384	1,269
1975	13,112	858	371	4,645	5,891	1,347
1976	13,997	662	438	5,182	6,194	1,521
1977	14,579	519	485	5,398	6,590	1,587
Per cent change	+4.2	–21.6	+10.7	+4.2	+6.4	+4.3
1975 4th quarter	3,857	243	100	1,292	1,828	394
1976 1st quarter	4,765	240	108	1,443	2,403	571
2nd quarter	2,865	160	112	1,221	1,055	317
3rd quarter	2,149	129	99	1,066	686	169
4th quarter	4,218	133	119	1,452	2,050	464
1977 1st quarter	4,634	118	128	1,414	2,413	561
2nd quarter	3,317	82	125	1,359	1,371	380
3rd quarter	2,372	153	113	1,155	771	180
4th quarter	4,256	166	119	1,470	2,035	466
Per cent change	+0.9	+24.8	–	+1.2	–0.7	+0.4

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

Electricity

TABLE 9. Fuel used and electricity generated by the public supply system

	Fuel used						Electricity generated			Own ⁵ use	Electricity supplied	Total ⁶ electricity available
	Total ¹	Coal ²	Oil ^{2 3}	Natural gas	Nuclear electricity	Hydro electricity	Total ⁴	By steam plant Nuclear	Other			
	Million tonnes of coal or coal equivalent						TWh					
United Kingdom												
1974	112.26	67.03	28.97	3.92	10.44	1.84	250.47	29.40	215.70	18.07	232.40	236.68
1975	110.72	74.57	21.48	3.42	9.44	1.67	251.26	26.52	219.69	18.02	233.24	237.30
1976	110.51	77.82	17.05	2.55	11.40	1.64	254.92	32.42	217.50	19.16	235.76	239.47
1977 p	113.98	79.56	17.98	1.76	12.88	1.73	262.04	36.42	220.06	19.56	242.48	246.02
Per cent change	+3.1	+2.2	+5.5	-31.0	+13.0	+5.5	+2.8	+12.3	+1.2	+2.1	+2.9	+2.7
1977 Jan-Apr	42.99	30.65	6.53	0.39	4.74	0.66	99.33	13.35	83.92	7.24	92.09	93.26
1978 Jan-Apr p	43.57	29.76	7.69	0.58	4.78	0.72	107.06	13.39	85.61	7.10	93.96	95.40
Per cent change	+1.3	-2.9	+17.8	+48.7	+0.8	+9.1	+1.7	+0.3	+2.0	-1.9	+2.0	+2.3
1977 Feb	10.68	7.77	1.47	0.13	1.17	0.14	24.62	3.29	20.88	1.81	22.81	23.06
Mar *	12.13	8.39	1.86	0.13	1.51	0.24	28.33	4.24	23.40	2.09	26.24	26.58
Apr	8.92	6.43	1.30	—	1.04	0.15	20.59	2.92	17.24	1.49	19.10	19.38
Total	31.73	22.59	4.63	0.26	3.72	0.53	73.54	10.45	61.52	5.39	68.15	69.02
1978 Feb	11.24	7.74	1.98	0.16	1.21	0.14	26.09	3.39	22.28	1.82	24.27	24.64
Mar *	12.00	8.06	2.06	0.19	1.43	0.25	28.02	4.01	23.35	1.98	26.04	26.46
Apr p	9.40	6.43	1.82	—	0.98	0.16	21.74	2.74	18.52	1.53	20.21	20.52
Total	32.64	22.23	5.86	0.35	3.62	0.55	75.85	10.14	64.15	5.33	70.52	71.62
Per cent change	+2.9	-1.6	+26.6	+34.6	-2.7	+3.8	+3.1	-3.0	+4.3	-1.1	+3.5	+3.8
England and Wales												
1974	97.63	59.57	24.39	3.92	9.58	0.12	218.85	26.93	190.43	15.89	202.96	205.55
1975	96.14	65.71	18.24	3.42	8.53	0.09	219.25	23.94	194.33	15.32	203.93	206.39
1976	95.80	69.06	14.06	2.55	10.00	0.08	222.12	28.30	193.11	15.94	206.18	207.62
1977 p	98.34	70.59	14.93	1.76	10.88	0.11	226.99	30.71	195.10	16.26	210.73	213.19
Per cent change	+2.7	+2.2	+6.2	-31.0	+8.8	+37.5	+2.2	+8.5	+1.0	+2.0	+2.2	+2.7
1977 Jan-Apr	37.03	27.13	5.36	0.39	4.08	0.05	85.90	11.48	74.01	6.04	79.86	80.51
1978 Jan-Apr p	37.51	26.25	6.40	0.58	4.19	0.05	87.47	11.74	75.39	5.99	81.48	82.62
Per cent change	+1.3	-3.2	+19.4	+48.7	+2.7	-4.2	+1.8	+2.3	+1.9	+0.8	+2.0	+2.6
1977 Feb	9.21	6.87	1.19	0.13	1.00	0.02	21.30	2.81	18.40	1.49	19.81	19.82
Mar *	10.44	7.51	1.52	0.13	1.26	0.01	24.47	3.55	20.81	1.74	22.73	22.93
Apr	7.67	5.70	1.05	—	0.91	0.01	17.82	2.55	15.19	1.28	16.54	16.78
Total	27.32	20.08	3.76	0.26	3.17	0.04	63.59	8.91	54.40	4.51	59.08	59.53
1978 Feb	9.68	6.83	1.60	0.16	1.07	0.01	22.53	2.99	19.46	1.52	21.01	21.31
Mar *	10.32	7.13	1.71	0.19	1.26	0.01	24.27	3.53	20.65	1.68	22.59	22.87
Apr p	8.12	5.62	1.60	—	0.88	0.01	18.89	2.46	16.34	1.29	17.60	17.84
Total	28.12	19.58	4.91	0.35	3.21	0.03	65.69	8.98	56.45	4.49	61.20	62.02
Per cent change	+2.9	-2.5	+30.6	+34.6	+1.3	-5.4	+3.3	+0.8	+3.8	-0.4	+3.6	+4.2

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 on works and for pumping at pumped storage stations. 6. Includes net imports and purchases from outside sources mainly UKAEA and British Nuclear Fuels Ltd. 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
1972	210,417	10,774	68,967	86,889	43,787
1973	225,267	11,646	75,327	91,299	46,995
1974	218,552	11,292	70,967	92,626	43,667
1975	217,924	11,164	70,854	89,214	46,692
1976	220,841	12,607	74,986	85,117	48,131
1977 p	225,655	12,310 ²	76,561 ²	85,902	50,882
Per cent change	+2.2	-2.4	+2.1	+0.9	+5.7
1975 4th quarter	59,498	2,922	18,838	24,545	13,193
1976 1st quarter	66,235	3,208	19,559	29,089	14,379
2nd quarter	48,537	3,071	17,910	17,148	10,408
3rd quarter	43,112	2,875	17,314	13,584	9,339
4th quarter	62,957	3,453	20,203	25,296	14,005
1977 1st quarter p	67,181	3,273	20,458	28,564	14,886
2nd quarter p	52,535	3,054 ²	18,993 ²	18,803	11,685
3rd quarter p	46,077	2,911 ²	17,793 ²	14,938	10,435
4th quarter p	59,862	3,072 ²	19,317 ²	23,597	13,876
Per cent change	-4.9	-11.0	-4.4	-6.7	-0.9

1. Mainly commerce, public administration and agriculture. 2. Contains a small degree of estimation.

Petroleum

TABLE 11. Production, arrivals and shipments¹

Thousand tonnes

	Crude Petroleum						Petroleum products				
	Gross ² Indigenous Production	Supply				Arrivals ^{4 5}	Shipments ^{4 5}	Arrivals ⁴	Shipments ⁴	Net Arrivals	Bunkers ⁶
		Total	Indigenous ²	Net arrivals	Other ³						
1974	410	113,478	250	+111,418	1,810	112,822	1,404	14,256	14,396	-140	4,759
1975	1,564	92,273	1,156	+89,842	1,275	91,366	1,524	12,461	13,664	-1,203	3,444
1976	12,036	98,384	11,511	+86,181	692	90,466	4,285	10,422	15,726	-5,304	3,569
1977	37,879	92,260	37,540	+54,038	682	70,697	16,659	12,716	13,928	-1,212	2,829
Per cent change	(+)	-6.2	(+)	-37.3	-1.4	-21.9	(+)	+22.0	-11.4	(-)	-20.7
1977 Jan-Apr	10,585	31,210	10,047	+21,086	77	25,006	3,920	4,022	4,730	-708	1,011
1978 Jan-Apr p	15,045	32,280	14,966	+17,012	302	23,496	6,484	4,327	3,627	+700	812
Per cent change	+42.1	+3.4	+49.0	-19.3	(+)	-6.0	+65.4	+7.6	-23.3	(-)	-19.6
1977 Feb	2,410	7,777	2,373	+5,389	15	6,289	900	944	1,278	-334	253
Mar	3,018	8,125	2,643	+5,422	60	6,547	1,125	1,022	1,119	-97	264
Apr	2,921	7,612	2,947	+4,634	31	5,706	1,072	803	1,080	-277	246
Total	8,349	23,514	7,963	+15,445	106	18,542	3,097	2,769	3,477	-708	763
1978 Feb	3,610	8,278	3,599	+4,585	94	6,121	1,536	1,094	696	+398	200
Mar	3,683	7,342	3,863	+3,417	62	5,347	1,930	1,070	1,044	+26	195
Apr p	3,985	8,417	3,876	+4,457	84	5,976	1,519	1,049	1,037	+12	202
Total	11,278	24,037	11,338	+12,459	240	17,444	4,985	3,213	2,777	+436	597
Per cent change	+35.1	+2.2	+42.4	-19.3	(+)	-5.9	+61.0	+16.0	-20.1	(-)	-21.7

1. Calendar months. 2. Including natural gas liquids (condensates). 3. Mainly recycled products. 4. Foreign trade as recorded by the Petroleum Industry and may differ from figures published in Overseas Trade Statistics. 5. Including process (partly refined) oils. 6. International bunkers.

TABLE 12. Refinery throughput and output of petroleum products¹

Thousand tonnes

	Through- put of crude and process oils	Refinery use		Total output of petrol- eum prod- ucts ²	Gases		Naphtha (LDF)	Motor spirit	Kerosene		Gas/ diesel oil	Fuel oil	Lubri- cating oils	Bitumen
		Fuel	Losses		Butane and propane	Other petro- leum			Aviation turbine fuel	Burning oil ³				
1974	111,217	6,946	1,211	103,060	1,602	272	6,448	14,520	4,475	2,564	27,641	40,022	1,455	2,129
1975	93,579	6,031	901	86,647	1,447	151	3,968	13,940	3,959	2,299	23,324	32,711	1,141	2,099
1976	97,784	6,342	1,158	90,284	1,575	158	4,583	15,232	4,163	2,458	24,198	32,696	1,310	1,897
1977	93,615	6,238	1,039	86,338	1,539	142	4,488	14,805	4,004	2,462	23,476	30,481	1,380	1,882
Per cent change	-4.3	-1.6	-10.3	-4.4	-2.3	-10.1	-2.1	-2.8	-3.8	+0.2	-3.0	-6.8	+5.3	-0.8
1977 Jan—Apr	32,601	2,017	379	30,205	531	50	1,516	4,807	1,142	975	8,215	11,356	438	556
1978 Jan—Apr p	32,432	2,166	355	29,911	550	48	1,645	4,939	1,421	1,114	8,207	10,591	349	541
Per cent change	-0.5	+7.4	-6.3	-1.0	+3.5	-3.7	+8.5	+2.8	+24.7	+14.3	-0.1	-6.7	-20.2	-2.7
1977 Feb	7,892	470	92	7,420	122	9	398	1,075	289	257	2,001	2,890	118	122
Mar	8,410	515	80	7,815	148	12	363	1,313	274	215	2,169	2,892	105	182
Apr	8,066	497	115	7,454	130	16	352	1,266	346	201	2,044	2,676	99	156
Total	24,458	1,482	287	22,689	400	37	1,113	3,654	909	673	6,214	8,458	322	460
1978 Feb	7,527	515	137	6,875	127	12	370	1,149	341	266	1,897	2,432	67	102
Mar	8,558	567	57	7,934	145	12	462	1,268	369	293	2,232	2,744	106	183
Apr p	7,955	510	105	7,340	131	14	393	1,236	356	219	1,998	2,598	91	144
Total	24,040	1,592	299	22,149	403	38	1,225	3,653	1,066	778	6,127	7,774	264	429
Per cent change	-1.7	+7.5	+4.6	-2.4	+0.9	-1.0	+10.0	-0.0	+17.3	+15.5	-1.4	-8.1	-17.8	-6.5

1. Calendar months. 2. Including output of products not shown separately, namely, aviation spirit, wide-cut gasoline, industrial and white spirits, paraffin 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 (LDF) ⁵	Motor spirit	Kerosene				Gas/diesel oil		Fuel oil	Lubri- cating oils	
					Aviation turbine fuel	Burning oil							
						Premier	Standard		Derv fuel	Other			
							Domestic	Other ⁶					
1974	92,342	1,414	7,700	16,484	3,690	603	1,770	436	5,518	13,581	36,810	1,045	2,241
1975	81,667	1,275	5,116	16,125	3,834	538	1,707	400	5,414	13,050	30,470	992	2,089
1976	80,291	1,330	5,404	16,879	3,989	576	1,686	372	5,594	12,984	27,825	1,011	1,867
1977	81,918	1,320	5,179	17,336	4,165	559	1,677	391	5,711	13,914	27,772	1,029	1,847
Per cent change	+2.0	-0.8	-4.2	+2.7	+4.4	-3.0	-0.5	-5.3	+2.1	+7.2	-0.2	+1.8	-1.1
1977 Jan-Apr	29,433	504	1,815	5,344	1,172	295	763	153	1,877	5,766	10,490	340	546
1978 Jan-Apr p	30,136	502	1,846	5,575	1,237	301	736	171	1,871	5,795	10,753	325	522
Per cent change	+2.4	-0.4	+1.7	+4.3	+5.5	+1.8	-3.5	+12.0	-0.3	+0.5	+2.5	-4.4	-4.4
1977 Feb	7,073	125	380	1,260	277	73	188	37	453	1,410	2,584	84	124
Mar	7,722	130	479	1,462	325	63	195	40	531	1,496	2,624	95	186
Apr	6,866	117	429	1,419	274	55	175	35	474	1,287	2,286	81	139
Total	21,661	372	1,288	4,141	876	191	558	112	1,558	4,193	7,494	260	449
1978 Feb	7,283	124	465	1,191	243	99	196	49	437	1,493	2,693	77	105
Mar	7,814	132	489	1,531	356	60	184	46	483	1,430	2,708	84	170
Apr p	7,300	111	449	1,484	331	50	156	32	485	1,332	2,517	80	146
Total	22,397	367	1,403	4,206	930	209	536	127	1,405	4,255	7,918	241	421
Per cent change	+3.4	-1.4	+9.0	+1.5	+6.2	+9.5	-3.7	+12.3	-3.6	+1.5	+5.7	-7.3	-6.2

1. Calendar months. 2. Including other petroleum gases, aviation spirit, wide-cut gasoline, industrial and white spirits, and paraffin wax. 3. Excluding refinery fuel (and miscellaneous products prior to 1978). 4. Including very small amounts for petro-chemicals. 5. Now mainly for petro-chemical feed-stock. 6. Including vaporising oil.

TABLE 14. Inland deliveries of petroleum products used for energy^{1,2}

Thousand tonnes

	Total	Power ³ stations	Gas works	Iron and steel industry	Other industries	Transport ⁴	Domestic	Other ⁵
1972	87,788	19,039	2,249	5,044	21,899	27,152	3,485	8 920
1973	88,196	16,993	2,355	4,995	22,045	28,971	3,812	9,025
1974	81,547	17,240	1,339	4,019	19,695	27,930	3,378	7,946
1975	73,385	13,345	693	3,309	17,251	27,582	3,270	7,935
1976	71,473	10,441	366	3,128	17,487	28,599	3,269	8,183
1977	73,043	10,875	292	2,938	17,701	29,359	3,263	8,615
Per cent change	+2.2	+4.2	-20.1	-6.1	+1.2	+2.7	-0.2	+5.3
1977 Jan	6,987	1,193	32	302	1,891	2,093	430	1,046
Feb	6,428	922	34	271	1,739	2,163	370	929
Mar	6,889	898	32	285	1,807	2,531	370	966
Total	20,304	3,013	98	858	5,437	6,787	1,170	2,941
1978 Jan	7,016	1,095	34	261	1,903	2,320	412	991
Feb	6,558	1,116	35	264	1,738	2,050	413	942
Mar p	6,946	1,016	29	290	1,768	2,552	357	934
Total	20,520	3,227	98	815	5,409	6,922	1,182	2,867
Per cent change	+1.1	+7.1	-0.6	-5.0	-0.5	+2.0	+1.0	-2.5

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 month

	Held by oil companies ¹		Power stations ²
	Million tonnes	Estimated days' supply ³	Million tonnes
1977 Mar	19.4	87	0.81
Apr	18.8	93	0.75
May	19.8	101	0.77
1978 Mar	17.9	80	1.03
Apr	17.9	88	0.99
May p	18.2	93	1.01

1. Stocks of petroleum products plus the product equivalent of crude and process oils held at refineries, and products in the wholesale distribution system. 2. Fuel oil held at main oil burning stations in Great Britain. 3. Latest three months calculated on forecast deliveries for the ensuing months. Figures for earlier period calculated on actual deliveries.

APPROXIMATE CONVERSION FACTORS

(last digit rounded to nought or five)

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

From \ To	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 1 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 UK Energy Statistics 1976* gives more detailed factors.

SUPPLEMENTARY DATA

Prices of fuels used by Industry in Great Britain¹

	Delivered to large industrial consumers ²					Realised in new and renewed contracts ³		
	Coal	Heavy Fuel Oil	Gas Oil	Gas	Electricity	Heavy Fuel Oil ³	Gas Oil ³	Gas ⁴
	£ per tonne			Pence per therm	Pence per KWh	£ per tonne		Pence per therm
1975 1st quarter	13.1	38.1	54.1	3.65	1.179	40.4	58.5	..
2nd quarter	14.9	37.6	53.4	4.15	1.178	39.9	54.6	..
3rd quarter	14.6	36.9	49.9	4.43	1.249	38.7	53.2	..
4th quarter	15.3	38.1	53.0	4.84	1.354	45.6	69.2	..
1976 1st quarter	17.1	41.5	63.0	5.73	1.453	44.6	69.7	..
2nd quarter	17.5	40.8	61.0	5.72	1.447	43.5	68.4	11.3
3rd quarter	17.7	42.4	60.7	6.74	1.461	44.5	69.5	11.3
4th quarter	19.1	47.1	67.1	7.58	1.592	54.3	80.8	11.6
1977 1st quarter	20.0	53.3	76.1	8.58	1.714	55.2	81.9	12.7
2nd quarter	21.2	56.1	79.8	9.12	1.656	59.1	87.2	13.0
3rd quarter	22.1	54.8	79.6	9.30	1.676	57.0	84.8	14.4
4th quarter	22.3	54.7	80.1	10.13	1.826	55.6	84.2	15.0
1978 1st quarter p	22.6	52.8	80.6	10.35	1.949	55.0	83.3	15.3

1. Prices for oil products include hydrocarbon oil duty. 2. Average prices paid by respondents to a Department of Energy survey covering some 800 establishments. The data relates to purchases received and can include business under contracts made in earlier times. Prices vary widely around the average values shown. 3. Derived from prices reported by the ten main oil marketing companies and relate to average net prices realised on medium sized new contracts or contracts which are renewed at a changed price. The coverage may extend beyond manufacturing industry and may include for example larger commercial users. 4. British Gas Corporation estimates of the average price of new and renewed contracts (including commercial) in the quarter, both firm and interruptible supplies.