

# ENERGY TRENDS

## A Statistical Bulletin

## FEBRUARY 1979

# Petroleum consumption higher in 1978

### Total energy

#### Recent increase in coal use

Provisional figures for 1978 indicate that total inland energy consumption of primary fuels was 338.6 million tonnes coal equivalent, virtually the same level of consumption as in the previous year. Of the individual fuels, coal consumption (provisionally adjusted for net foreign trade and stockchange in other solid fuels) fell by 3 million tonnes. Nuclear electricity, measured in terms of fossil fuel input, was also lower by 0.9 mtce, a decline of 6.2 per cent. Petroleum deliveries rose by 3.1 mtce, 1.9 per cent above the 1977 level and natural gas consumption increased by 2.5 per cent (1.5 mtce).

Shorter term figures indicate however, that in the fourth quarter of 1978 the pattern in consumption was changing, with both the actual, and the seasonally adjusted and temperature corrected series, showing coal consumption about three per cent higher and petroleum deliveries about one per cent lower than a year ago.

### Coal

#### Opencast output high in 1978

Total coal production in 1978 rose by 1.4 million tonnes to 123.6 million tonnes, 1.2 per cent higher than in the previous year. Deep-mined production increased by 0.4 per cent and opencast by 4.5 per cent. Coal produced by opencast working totalled nearly 14.2 million tonnes, only slightly below the record level set twenty years ago.

Colliery manpower fell by over 7000 during 1978; at the end of the year there were 232,000 wage earners on colliery books. Productivity at National Coal Board mines, as measured by output per manshift overall, rose by 3.2 per cent during the year.

Total inland coal consumption during 1978 fell by 2.9 per cent to the lowest level since 1974. Power station use, which accounts for two-thirds of total coal consumption, rose by 0.8 per cent, but demand was lower in all other sectors with the exception of anthracite and dry steam coal for the domestic market. Colliery disposals of housecoal fell by nearly 10 per cent and industrial consumers took 5.3 per cent less. Coal carbonised at coke ovens fell by over 14 per cent, a decline similar to that experienced in 1977.

Distributed coal stocks at the end of January totalled 16.4 million tonnes, a fall of 5.7 million tonnes during the month. Power station stocks fell by 5.4 million tonnes, this more rapid than usual decline being due largely to a combination of weather and transport difficulties which impeded the normal flow of coal from collieries and resulted in an addition of 1.9 million tonnes to undistributed stocks.

### Gas

#### Recent very high demand

Total natural gas supplied into the public supply system in 1978 was nearly 500 million therms greater than in the previous year, an increase of 3.1 per cent. Imported gas, mainly from the Norwegian sector of the Frigg gasfield, accounted for nearly one eighth of the total supply during the year and there was a reduction of five per cent compared with 1977, in the amount of gas drawn from the UK sector of the North Sea.

More recently, in December and January, demand has been stimulated by the much colder weather and in the latter month gas sent out in weekly average terms reached 490 million therms, 12 per cent higher than a year ago and a record for the industry.

### Electricity

#### Sharp rise in maximum load

Total electricity supplied in 1978 was nearly 248 Terawatt hours, 2.3 per cent higher than in 1977. Purchases of electricity from sources outside the public supply system, mainly from the nuclear stations of British Nuclear Fuels, brought total electricity available up to nearly 252 Terawatt hours. Fuel used for generation increased in 1978 by one per cent in total, with coal and oil consumption higher by 1.6 and 8.4 per cent respectively. The use of natural gas for generation was down by more than 40 per cent and the fossil fuel equivalent of nuclear electricity generated by public supply stations fell by 7.7 per cent.

The simultaneous maximum load met at any one time in the United Kingdom (not shown in Energy Trends tables) reached 50,900 Megawatts in December, an increase of nearly 1,200 Megawatts on the previous highest maximum load met.

### Petroleum

#### 1978 Crude oil production up by 40 per cent

Gross indigenous production of crude oil, including condensates, in 1978 rose by over 40 per cent to 53.4 million tonnes, 15.5 million tonnes more than in 1977.

Total output of refined products in 1978 was 89.2 million tonnes, 3.3 per cent higher than in the previous year. Although output of all products except lubricating oils was higher, the largest increases were among the lighter products, notably in aviation turbine fuel, motor spirit and burning oil, output of which rose by 19.5, 7.8 and 6.2 per cent respectively.

Deliveries of most principal products were higher in 1978 than in the previous year, with transport fuels accounting for the greater part of the total increase, aviation turbine fuel was up by 8.2 per cent and motor spirit by 5.8 per cent. Deliveries of diesel oil for road vehicles (derv) rose by 2.9 per cent but there was a decline in deliveries of other grades of diesel oil which are used mainly as a heating oil or in large industrial diesel engines.

### Supplementary data

#### Value of fuel imports and exports

The total cif value of imports of crude and refined petroleum during 1978 was £4,486 million, over £600 million less than in 1977, a drop of 12 per cent. The fob value of petroleum exports was £2169 million an increase of £192 million on the previous year.

### Statistical Note

So that short-term data can be more accurately compared, monthly coal figures for 1978 in tables 3-6 inclusive have been adjusted to account for certain calendar differences between 1978 and 1979.

In March Energy Trends a similar practice will be followed with the monthly coal figures in the top half of Table 1.

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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 difference, 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.

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.

# Total energy

TABLE 1: Inland energy consumption: primary fuel input basis

	Total	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Natural <sup>3</sup> gas	Nuclear electricity	Hydro-electricity
<i>Million tonnes of coal or coal equivalent</i>						
1973	353.5	133.0	164.2	44.2	10.1	2.0
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	338.4	122.7	136.6	62.8	14.3	2.0
1978 p	338.6	119.7	139.1	64.3	13.4	2.1
Per cent change	+0.1	–2.5	+1.9	+2.5	–6.2	+1.2
1977 Oct	24.9	9.4	9.9	4.4	1.0	0.2
Nov	28.3	9.3	11.9	5.9	0.9	0.3
Dec*	38.8	13.5	15.7	7.9	1.5	0.2
Total	92.0	32.2	37.5	18.2	3.4	0.7
1978 Oct	25.4	9.2	10.6	4.5	0.9	0.2
Nov	28.2	9.9	11.5	5.6	1.0	0.2
Dec p*	39.1	14.0	15.0	8.4	1.4	0.3
Total	92.7	33.1	37.1	18.5	3.3	0.7
Per cent change	+0.6	+3.0	–1.2	+1.4	–4.5	–1.5

*Seasonally adjusted and temperature corrected\* (annual rates)*

1977 Oct	331.2	123.6	128.2	63.9	13.5	2.0
Nov	336.9	116.4	141.2	65.6	10.5	3.2
Dec*	346.6	124.4	141.5	64.0	14.8	1.9
Average	338.9	121.7	137.3	64.4	13.1	2.4
1978 Oct	339.5	121.0	138.5	65.5	12.3	2.2
Nov	355.1	128.8	140.6	70.8	12.3	2.6
Dec p*	335.8	125.6	131.2	63.5	12.9	2.6
Average	342.9	125.2	136.3	66.4	12.5	2.5
Per cent change	+1.2	+2.9	–0.7	+3.0	–4.1	+4.6

	Total	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Natural <sup>3</sup> gas	Nuclear electricity	Hydro-electricity
<i>Million tonnes of oil or oil equivalent</i>						
1973	207.9	78.2	96.6	26.0	5.9	1.2
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	199.0	72.2	80.3	36.9	8.4	1.2
1978 p	199.2	70.4	81.8	37.9	7.9	1.2
Per cent change	+0.1	–2.5	+1.9	+2.5	–6.2	+1.2
1977 Oct	14.6	5.5	5.8	2.6	0.6	0.1
Nov	16.7	5.5	7.0	3.5	0.5	0.2
Dec*	22.9	8.0	9.2	4.7	0.9	0.1
Total	54.2	19.0	22.0	10.8	2.0	0.4
1978 Oct	15.0	5.5	6.3	2.6	0.5	0.1
Nov	16.6	5.8	6.8	3.3	0.6	0.1
Dec p*	23.0	8.2	8.8	5.0	0.8	0.2
Total	54.6	19.5	21.9	10.9	1.9	0.4
Per cent change	+0.6	+3.0	–1.2	+1.4	–4.5	–1.5

1977 Oct	194.8	72.7	75.4	37.6	7.9	1.2
Nov	198.2	68.4	83.1	38.6	6.2	1.9
Dec*	203.8	73.2	83.2	37.6	8.7	1.1
Average	199.4	71.6	80.8	37.9	7.7	1.4
1978 Oct	199.7	71.2	81.5	38.5	7.2	1.3
Nov	208.8	75.7	82.7	41.7	7.2	1.5
Dec p*	197.5	73.9	77.2	37.3	7.6	1.5
Average	201.7	73.6	80.2	39.0	7.4	1.5
Per cent change	+1.2	+2.9	–0.7	+3.0	–4.1	+4.6

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)<sup>1</sup>

*Million tonnes coal equivalent*

*Million tonnes oil equivalent*

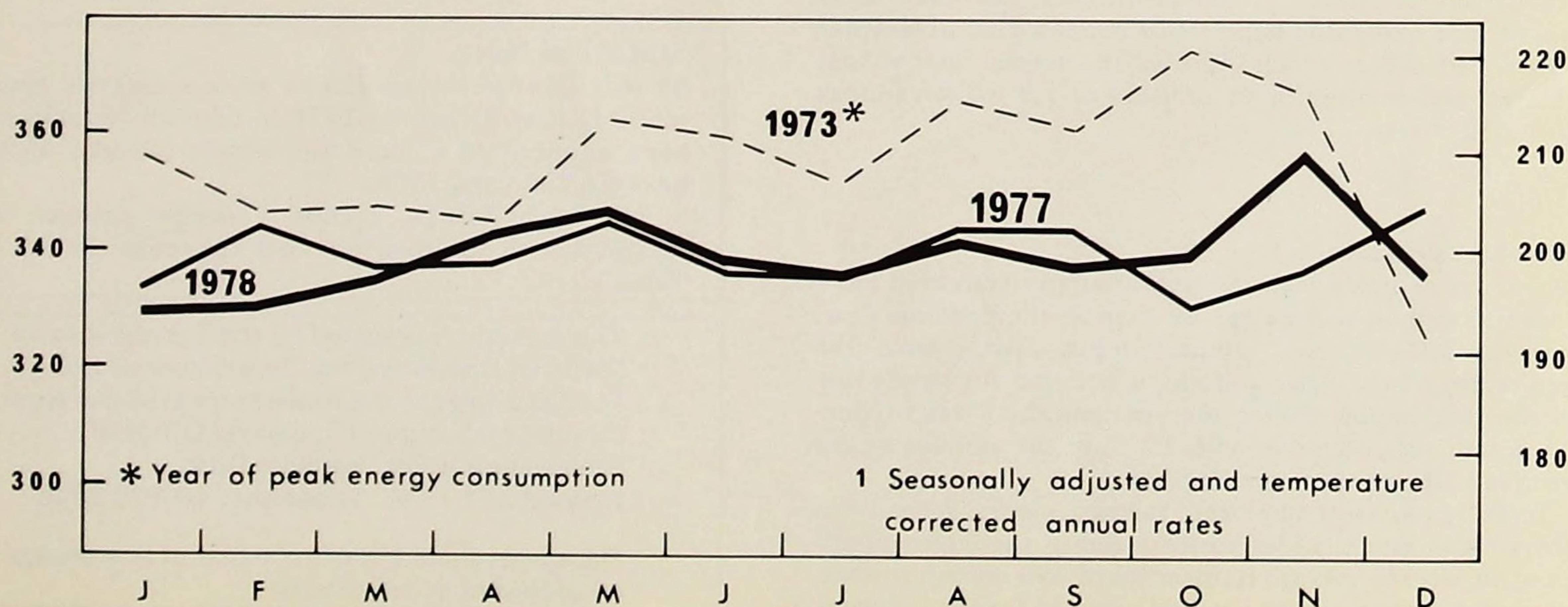




TABLE 2. Supply and use of fuels

Million therms

	1976	1977	Per cent change	1976		1977				1978 p			Per <sup>1</sup> cent change
				3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	
PRIMARY FUELS AND EQUIVALENTS:													
Production of primary fuels													
Coal	30,166	29,682	−1.6	6,378	8,147	7,604	7,514	6,405	8,159	7,643	7,427	6,502	+1.5
Petroleum <sup>2</sup>	5,206	16,350	(+)	1,335	2,277	3,305	4,214	4,337	4,494	4,839	5,701	5,846	+34.8
Natural gas <sup>3</sup>	14,379	15,024	+4.5	2,173	4,517	4,916	3,459	2,497	4,152	4,974	3,228	2,188	−12.4
Primary electricity	3,411	3,761	+10.3	770	929	1,070	877	852	962	1,144	806	732	−14.1
Total	53,162	64,817	+21.9	10,656	15,870	16,895	16,064	14,091	17,767	18,600	17,162	15,268	+8.4
Arrivals, Petroleum <sup>4</sup>	43,174	35,730	−17.2	10,160	11,073	9,615	9,116	8,253	8,746	8,892	8,243	7,860	−4.8
Other	1,183	1,366	+15.5	270	226	195	199	371	601	641	456	512	+38.0
Shipments	9,176	13,841	+50.8	2,507	2,856	2,973	3,651	3,886	3,331	3,407	4,002	4,774	+22.9
Bunkers	1,468	1,168	−20.4	381	370	316	309	292	251	240	279	248	−15.1
Stock change <sup>5</sup>													
Solid fuels	−634	+238	..	−388	+262	+1,252	−385	−194	−435	+459	−483	−369	..
Crude Petroleum	−378	+555	..	−25	−511	+375	−352	+253	−279	+92	−427	+428	..
Petroleum products	+240	+424	..	−367	+390	+564	−225	−309	+394	+185	+215	−480	..
Non-energy use	4,448	4,373	−1.7	1,159	1,040	1,123	1,110	1,109	1,031	1,016	1,018	1,036	−6.6
Statistical difference <sup>6</sup>	+54	−68	..	−2	+21	−337	+319	−10	−40	+8	−190	−188	..
Total primary <sup>7</sup> energy input	81,709	83,680	+2.4	16,257	23,065	24,147	19,666	17,168	22,699	24,200	19,677	16,973	−1.1
Conversion losses etc. <sup>8</sup>	24,382	25,148	+3.2	4,905	6,967	7,274	5,854	5,263	6,757	7,044	5,772	5,145	−2.2
Final energy consumption	57,327	58,532	+2.1	11,352	16,098	16,873	13,812	11,905	15,942	17,156	13,905	11,828	−0.6
FINAL CONSUMPTION BY USER													
Iron and steel industry													
Coal	66	66	—	9	20	23	15	10	18	16	10	9	−10.0
Other solid fuel <sup>9</sup>	2,723	2,394	−12.1	670	703	663	593	600	538	553	568	480	−20.0
Other coal-derived fuels <sup>10</sup>	401	362	−9.7	97	97	94	89	95	84	81	80	73	−23.2
Gas <sup>11</sup>	438	485	+10.7	99	119	128	125	113	119	118	113	110	−2.7
Electricity	395	389	−1.5	90	109	104	96	92	97	106	107	93	+1.1
Petroleum	1,279	1,205	−5.8	273	346	352	286	256	311	336	285	233	−9.0
Total	5,302	4,901	−7.6	1,238	1,394	1,364	1,204	1,166	1,167	1,210	1,163	998	−14.4
Other industries													
Coal	2,277	2,295	+0.8	470	696	618	530	483	664	623	507	402	−16.8
Other solid fuel <sup>9</sup>	126	156	+23.8	27	37	38	38	35	45	51	29	35	—
Other coal-derived fuels <sup>10</sup>	76	74	−2.6	25	15	19	23	19	13	17	15	15	−21.1
Gas <sup>11</sup>	5,241	5,458	+4.1	1,083	1,466	1,431	1,373	1,171	1,483	1,536	1,425	1,169	−0.2
Electricity	2,364	2,411	+2.0	546	638	645	599	559	608	648	594	555	−0.7
Petroleum	7,441	7,520	+1.1	1,400	2,090	2,245	1,774	1,428	2,073	2,150	1,706	1,358	−4.9
Total	17,525	17,914	+2.2	3,551	4,942	4,996	4,337	3,695	4,886	5,025	4,276	3,534	−4.4
Transport sector													
Coal and other solid fuel	21	20	−4.8	2	8	6	4	3	7	6	4	3	—
Electricity	98	100	+2.0	22	26	26	26	23	25	27	25	24	+4.3
Petroleum	12,597	12,931	+2.7	3,333	3,177	2,988	3,218	3,420	3,305	3,048	3,458	3,635	+6.3
Total	12,716	13,051	+2.6	3,357	3,211	3,020	3,248	3,446	3,337	3,081	3,487	3,662	+6.3
Domestic sector													
Coal	3,140	3,230	+2.9	634	811	850	773	703	904	761	724	647	−8.0
Other solid fuel <sup>9</sup>	869	843	−3.0	208	188	227	204	223	189	197	197	196	−12.1
Gas <sup>11</sup>	6,194	6,590	+6.0	686	2,050	2,413	1,371	771	2,035	2,808	1,393	867	+12.5
Electricity	2,905	2,932	+0.9	464	863	972	638	511	811	969	637	519	+1.6
Petroleum	1,435	1,450	+1.1	176	472	518	295	205	432	520	277	201	−2.0
Total	14,543	15,045	+3.5	2,168	4,384	4,980	3,281	2,413	4,371	5,255	3,228	2,430	+0.7
Other final users <sup>12</sup>													
Coal	516	544	+5.4	73	158	166	118	83	177	168	118	85	+2.4
Other solid fuel <sup>9</sup>	166	166	—	37	34	50	36	45	35	43	39	41	−8.9
Gas <sup>11</sup>	1,521	1,587	+4.3	169	464	561	380	180	466	643	404	207	+15.0
Electricity	1,597	1,689	+5.8	308	465	495	386	346	462	519	403	363	+4.9
Petroleum	3,441	3,635	+5.6	451	1,046	1,241	822	531	1,041	1,212	787	508	−4.3
Total	7,247	7,621	+5.2	1,038	2,167	2,513	1,742	1,185	2,181	2,585	1,751	1,204	+1.6
Total final users	57,327	58,532	+2.1	11,352	16,098	16,873	13,812	11,905	15,942	17,156	13,905	11,828	−0.6
FINAL CONSUMPTION BY FUEL													
Coal	6,019	6,154	+2.2	1,188	1,692	1,663	1,440	1,282	1,769	1,574	1,363	1,146	−10.6
Other solid fuel <sup>9</sup>	3,885	3,560	−8.4	942	963	978	871	903	808	844	833	752	−16.7
Other coal derived fuels <sup>10</sup>	477	436	−8.6	122	112	113	112	114	97	98	95	88	−22.8
Gas <sup>11</sup>	13,394	14,120	+5.4	2,037	4,099	4,533	3,249	2,235	4,103	5,105	3,335	2,353	+5.3
Electricity	7,359	7,521	+2.2	1,430	2,101	2,242	1,745	1,531	2,003	2,269	1,766	1,554	+1.5
Petroleum	26,193	26,741	+2.1	5,633	7,131	7,344	6,395	5,840	7,102	7,266	6,513	5,935	+1.6
Total all fuels	57,327	58,532	+2.1	11,352	16,098	16,873	13,812	11,905	15,942	17,156	13,905	11,828	−0.6

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 1978 Tables 9 and 13. 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 <sup>2</sup>	Exports <sup>2</sup>	Tonnage lost (deep-mined) <sup>3</sup>	
		Total <sup>1</sup>	Deep-mined	Opencast				Recognised holidays and rest days	Disputes
1973	130,973	131,991	120,032	10,124	-1,018	1,675	2,693	10,478	5,658
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	122,648	122,150	107,123	13,551	+498	2,439	1,941	12,457	814
1978 p	123,663	123,577	107,528	14,167	+86	2,352	2,266	12,606	1,497
Per cent change	+0.8	+1.2	+0.4	+4.5	-82.7	-3.6	+16.7	+1.2	+83.9
1977 Nov	10,532	10,366	9,039	1,167	+166	250	84	—	87
Dec*	13,071	12,984	11,358	1,400	+87	268	181	90	69
1978 Jan	10,044	9,888	8,910	928	+156	313	157	441	70
Total	33,647	33,238	29,307	3,495	+409	831	422	531	226
1978 Nov	10,952	10,932	9,466	1,279	+20	272	252	5	82
Dec*	13,115	13,230	11,747	1,316	-115	126	241	4	144
1979 Jan p	8,836	8,820	8,138	639	+16	159	143	657	96
Total	32,903	32,982	29,351	3,234	-79	557	636	666	322
Per cent change	-2.2	-0.8	+0.2	-7.5		-33.0	+50.7	+25.4	+42.5

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 <sup>1</sup>			
		Primary	Secondary				Colliery disposals			
		Collieries	Power stations <sup>2</sup>	Coke ovens	Gas works	Other <sup>3</sup> conversion industries	Industry <sup>4</sup>	Domestic <sup>5</sup>		Other <sup>8</sup>
								House coal <sup>6</sup>	Other <sup>7</sup>	
1973	133,291	1,381	76,774	21,890	512	3,586	12,080	12,667	1,819	2,582
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	123,978	1,124	79,956	17,406	7	3,166	9,033	9,635	1,503	2,148
1978 p	120,418	1,010	80,635	14,893	6	3,064	8,550	8,699	1,520	2,041
Per cent change	-2.9	-10.1	+0.8	-14.4	-14.3	-3.2	-5.3	-9.7	+1.1	-5.0
1977 Nov	9,289	91	5,839	1,171	—	247	817	792	138	194
Dec*	13,490	132	8,964	1,454	1	348	1,048	1,036	174	333
1978 Jan	10,856	93	7,530	1,151	1	245	788	725	125	198
Total	33,635	316	22,333	3,776	2	840	2,653	2,553	437	725
1978 Nov	9,879	61	6,543	1,183	—	251	765	770	151	155
Dec*	13,999	119	9,722	1,450	1	281	1,087	907	156	276
1979 Jan p	10,988	88	8,218	1,002	1	200	605	610	62	202
Total	34,866	268	24,483	3,635	2	732	2,457	2,287	369	633
Per cent change	+3.7	-15.2	+9.6	-3.7	—	-12.9	-7.4	-10.4	-15.6	-12.7

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 relate 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 coal<sup>1</sup> 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
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	31,534	21,704	19,128	2,368	2	206	9,830	8,290	1,540
1978 p	34,660	22,171	20,200	1,790	2	179	12,489	9,888	2,601
1977 Nov	32,077	21,829	19,389	2,196	1	243	10,248	8,682	1,566
Dec	31,534	21,704	19,128	2,368	2	206	9,830	8,290	1,540
1978 Jan	29,223	19,657	17,434	2,055	2	166	9,566	8,055	1,511
1978 Nov	35,540	23,444	21,585	1,649	2	208	12,096	9,595	2,501
Dec	34,660	22,171	20,200	1,790	2	179	12,489	9,888	2,601
1979 Jan p	30,872	16,446	14,779	1,466	1	200	14,426	11,706	2,720
Absolute change:									
In latest month*	-3,788	-5,725	-5,421	-324	-1	+21	+1,937	+1,818	+119
On a year ago	+1,649	-3,211	-2,655	-589	-1	+34	+4,860	+3,651	+1,209

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 <sup>1</sup>		Recruitment	Wastage	Absence percentage <sup>2</sup>			Average output per manshift <sup>3</sup>	
	Total	Underground				Total	Voluntary	Involuntary	Overall
	Thousands		Number	Per cent					
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	239	189	29,361	31,647	17.6	3.9	13.7	2.18	7.77
1978 p	232 <sup>4</sup>	184 <sup>4</sup>	20,595	27,653	17.3	4.3	13.0	2.25	8.53
Per cent change	−2.9	−2.6	−29.9	−12.6				+3.2	+9.8
1977 Nov	239	189	2,114	1,885	17.5	4.2	13.3	2.16	7.75
Dec*	239	189	1,816	2,044	18.5	4.8	13.7	2.19	7.81
1978 Jan	239	189	1,843	1,867	18.8	4.7	14.1	2.27	8.17
1978 Nov	232	184	1,450	1,849	17.3	4.5	12.8	2.34	8.75
Dec*	232	184	1,410	1,981	17.5	5.1	12.4	2.32	8.68
1979 Jan p	232	184	1,687	1,529	18.8	5.2	13.6	2.21	8.31

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

4. The average number of wage earners during the period was as follows:—

Total — 237 Thousand (—1.7% compared with 1977).

Underground — 188 Thousand (—1.6% compared with 1977).

## 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 <sup>1</sup>		Coal	Oil <sup>3</sup>	Total	Town gas	Natural <sup>4</sup> gas for direct supply
		Indigenous	Imported <sup>2</sup>					
Million therms			Thousand tonnes		Million therms			
1973	10,916	10,639	277	512	2,320	11,620	2,434	9,186
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	15,373	14,734	639	7	166	15,323	75	15,248
1978 p	15,854	13,997	1,857	6	284	15,854	40	15,814
Per cent change	+3.1	−5.0	(+)	−14.3	+71.1	+3.5	−46.7	+3.7
1977 Nov	1,434	1,316	118	—	19	1,432	4	1,428
Dec*	1,948	1,770	178	1	21	1,940	4	1,936
1978 Jan	1,741	1,590	151	1	32	1,746	4	1,742
Total	5,123	4,676	447	2	72	5,118	12	5,106
1978 Nov	1,266	1,010	256	—	19	1,261	3	1,258
Dec*	2,157	1,808	349	1	25	2,160	4	2,156
1979 Jan p	1,942	1,632	310	1	27	1,956	4	1,952
Total	5,365	4,450	915	2	71	5,377	11	5,366
Per cent change	+4.7	−4.8	(+)	+9.3	−1.4	+5.1	−8.3	+5.1

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

million therms

	Total	Power stations <sup>1</sup>	Iron and steel industry	Other industries	Domestic	Other <sup>2</sup>
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
1976 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	110	1,470	2,035	466
1978 1st quarter p	5,257	165	118	1,523	2,808	643
2nd quarter p	3,344	25	113	1,409	1,393	404
3rd quarter p	2,416	69	110	1,163	867	207
Per cent change	+1.9	-54.9	-2.7	+0.7	+12.5	+15.0

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 <sup>5</sup> use	Electricity supplied	Total <sup>6</sup> electricity available
	Total <sup>1</sup>	Coal <sup>2</sup>	Oil <sup>2,3</sup>	Natural gas	Nuclear electricity	Hydro electricity	Total <sup>4</sup>	By steam plant				
								Nuclear	Other			
Million tonnes coal or coal equivalent						TWh						
United Kindom												
1973	116.52	76.78	28.49	1.15	8.35	1.69	258.80	23.66	229.89	18.43	240.37	244.76
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	113.98	79.56	17.98	1.76	12.88	1.73	262.04	36.42	220.06	19.56	242.48	246.02
1978 p	115.14	80.87	19.49	1.01	11.89	1.76	266.76	33.34	228.24	18.78	247.98	251.85
Per cent change	+1.0	+1.6	+8.4	-42.6	-7.7	+1.7	+1.8	-8.5	+3.7	-4.0	+2.3	+2.4
1977 Oct	8.48	5.90	1.36	0.15	0.91	0.15	19.33	2.62	16.25	1.47	17.86	18.12
Nov	9.85	6.22	2.39	0.19	0.77	0.28	22.09	2.20	18.94	1.54	20.55	20.85
Dec p*	12.56	8.54	2.16	0.25	1.40	0.20	28.84	3.95	24.29	2.08	26.76	27.13
Total	30.89	20.66	5.91	0.59	3.08	0.63	70.26	8.77	59.48	5.09	65.17	66.10
1978 Oct	8.54	6.19	1.30	0.09	0.79	0.16	19.72	2.23	17.05	1.38	18.34	18.66
Nov	9.28	6.71	1.37	0.06	0.90	0.23	21.50	2.53	18.42	1.45	20.05	20.37
Dec p*	13.33	9.55	2.23	0.07	1.19	0.27	30.84	3.34	26.79	2.08	28.76	29.14
Total	31.15	22.45	4.90	0.22	2.88	0.66	72.06	8.10	62.26	4.91	67.15	68.17
Per cent change	+0.8	+8.7	-17.1	-62.7	-6.5	+4.8	+2.6	-7.6	+4.7	-3.5	+3.0	+3.1
Enland and Wales												
1973	101.03	68.22	23.94	1.15	7.57	0.09	225.24	21.42	202.18	16.24	209.00	212.72
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	98.34	70.59	14.93	1.76	10.88	0.11	226.99	30.71	195.10	16.26	210.73	213.19
1978 p	99.50	72.18	15.94	1.01	10.14	0.11	231.41	28.56	202.08	15.81	215.60	218.54
Per cent change	+1.2	+2.3	+6.8	-42.6	-6.8	-2.6	+1.9	-7.3	+3.6	-2.8	+2.3	+2.5
1977 Oct	7.32	5.20	1.10	0.15	0.85	0.01	16.79	2.40	14.27	1.25	15.54	15.75
Nov	8.35	5.43	2.05	0.19	0.66	0.02	18.83	1.88	16.63	1.29	17.54	17.98
Dec*	10.73	7.46	1.80	0.25	1.20	0.01	24.74	3.38	21.26	1.73	23.01	23.28
Total	26.40	18.09	4.95	0.59	2.71	0.04	60.36	7.66	52.16	4.27	56.09	57.01
1978 Oct	7.40	5.55	1.08	0.09	0.66	0.01	17.16	1.88	15.22	1.18	15.98	16.23
Nov	7.96	5.97	1.10	0.06	0.81	0.01	18.63	2.28	16.28	1.27	17.36	17.73
Dec p*	11.38	8.51	1.67	0.07	1.09	0.02	26.48	3.05	23.33	1.76	24.72	25.11
Total	26.74	20.03	3.85	0.22	2.56	0.04	62.27	7.21	54.88	4.21	58.06	58.97
Per cent change	+1.3	+10.0	-22.2	-62.7	-6.5	-14.0	+3.2	-5.9	+5.1	-1.4	+3.5	+3.4

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 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 <sup>1</sup>
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	225,655	12,310 <sup>2</sup>	76,561 <sup>2</sup>	85,902	50,882
Per cent change	+2.2	-2.4	+2.1	+0.9	+5.7
1976 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	67,181	3,273	20,458	28,564	14,886
2nd quarter	52,535	3,054 <sup>2</sup>	18,993 <sup>2</sup>	18,803	11,685
3rd quarter	46,077	2,911 <sup>2</sup>	17,793 <sup>2</sup>	14,938	10,435
4th quarter	59,862	3,072 <sup>2</sup>	19,317 <sup>2</sup>	23,597	13,876
1978 1st quarter p	67,847	3,369 <sup>2</sup>	20,514 <sup>2</sup>	28,380	15,584
2nd quarter p	53,050	3,376 <sup>2</sup>	18,851 <sup>2</sup>	18,674	12,149
3rd quarter p	46,804	2,979 <sup>2</sup>	17,651 <sup>2</sup>	15,206	10,968
Per cent change	+1.6	+2.3	-0.8	+1.8	+5.1

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



# Petroleum

TABLE 11. Production, arrivals and shipments<sup>1</sup>

Thousand tonnes

	Crude Petroleum					Petroleum Products					
	Gross <sup>2</sup> Indigenous Production	Supply				Arrivals <sup>4,5</sup>	Shipments <sup>4,5</sup>	Arrivals <sup>4</sup>	Shipments <sup>4</sup>	Net Arrivals	Bunkers <sup>6</sup>
		Total	Indigenous <sup>2</sup>	Net arrivals	Other <sup>3</sup>						
1973	373	114,032	235	+ 112,237	1,560	115,472	3,235	17,808	16,681	+ 1,127	5,499
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
1978 p	53,378	96,758	52,156	+ 43,686	916	68,144	24,458	11,488	13,536	— 2,048	2,597
Per cent change	+40.9	+4.9	+38.9	— 19.2	+34.2	— 3.6	+46.8	— 9.7	— 2.8		— 8.2
1977 Oct	3,517	8,163	3,586	+ 4,513	64	5,993	1,480	906	1,214	— 308	207
Nov	3,279	6,357	3,343	+ 2,911	103	4,461	1,550	1,303	863	+ 440	185
Dec	3,587	8,289	3,381	+ 4,771	137	6,167	1,396	1,597	880	+ 717	216
Total	10,383	22,809	10,310	+ 12,195	304	16,621	4,426	3,806	2,957	+ 849	608
1978 Oct	4,854	9,035	4,672	+ 4,312	51	6,546	2,234	853	1,263	— 410	237
Nov	5,181	8,852	4,779	+ 3,991	82	6,065	2,074	968	1,138	— 170	228
Dec p	5,638	8,422	5,324	+ 3,034	64	5,611	2,577	1,103	1,230	— 127	273
Total	15,673	26,309	14,775	+ 11,337	197	18,222	6,885	2,924	3,631	— 707	738
Per cent change	+50.9	+15.4	+43.3	— 7.0	— 35.1	+9.6	+55.6	— 23.2	+22.8		+21.4

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 products<sup>1</sup>

Thousand tonnes

	Through- put of crude and process oil	Refinery use		Total output of petrol- eum pro- ducts <sup>2</sup>	Gases		Naphtha (LDF)	Motor spirit	Kerosene		Gas/ diesel oil	Fuel oil	Lubri- cating oil	Bitumen
		Fuel	Losses		Butane and propane	Other petro- leum			Aviation turbine fuel	Burning oil <sup>3</sup>				
1973	114,338	7,053	1,331	105,954	1,655	394	6,607	14,842	4,550	2,717	27,853	42,026	1,477	2,225
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	2,090
1976	97,784	6,342	1,158	90,284	1,575	158	4,583	15,232	4,163	2,458	24,198	32,695	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
1978 p	96,390	6,423	811	89,156	1,613	147	4,626	15,958	4,783	2,614	24,024	30,518	1,203	1,886
Per cent change	+3.0	+3.0	— 21.9	+3.3	+4.8	+3.6	+3.1	+7.8	+19.5	+6.2	+2.3	+0.1	— 12.8	+0.2
1977 Oct	7,510	527	38	6,945	142	11	349	1,237	273	251	1,901	2,354	118	179
Nov	7,341	527	70	6,744	110	9	361	1,144	281	224	1,875	2,355	121	148
Dec	8,617	566	107	7,944	154	15	419	1,332	302	303	2,102	2,922	120	133
Total	23,468	1,620	215	21,633	406	35	1,129	3,713	856	778	5,878	7,631	359	460
1978 Oct	8,409	530	19	7,807	131	8	445	1,386	415	218	1,943	2,871	111	145
Nov	7,880	531	41	7,408	129	11	348	1,373	359	263	2,001	2,554	84	133
Dec p	8,900	596	28	8,176	159	15	397	1,505	372	298	2,201	2,817	101	128
Total	25,189	1,657	141	23,391	419	34	1,190	4,264	1,146	779	6,145	8,242	296	406
Per cent change	+7.3	+2.3	— 34.3	+8.1	+3.3	— 4.4	+5.4	+14.8	+34.0	—	+4.5	+8.0	— 17.5	— 11.4

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

TABLE 13. Deliveries of petroleum products for inland consumption<sup>1</sup>

Thousand tonnes

	Total <sup>2,3</sup>	Butane <sup>4</sup> and propane	Naphtha (LDF) <sup>5</sup>	Motor spirit	Kerosene				Gas/diesel oil		Fuel oil	Lubric- ating oils	Bitumen
					Aviation turbine fuel	Burning oil							
						Premier	Standard						
							Domestic	Other <sup>6</sup>					
									Derv fuel	Other			
1973	99,344	1,600	8,373	16,927	4,202	788	1,931	501	5,658	15,100	39,447	1,185	2,458
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
1978 p	83,932	1,315	4,895	18,347	4,508	532	1,701	417	5,875	13,562	28,117	1,023	1,888
Per cent change	+2.5	−0.4	−5.5	+5.8	+8.2	−4.8	+1.4	+6.5	+2.9	−2.5	+1.2	−0.6	+2.2
1977 Oct	6,563	109	369	1,468	369	31	120	31	488	1,080	2,157	85	165
Nov	7,787	119	392	1,470	316	71	159	41	518	1,445	2,924	85	158
Dec	7,956	124	405	1,532	312	82	203	44	487	1,513	2,949	80	118
Total	21,306	352	1,166	4,470	997	184	482	116	1,493	4,038	8,030	250	441
1978 Oct	7,119	109	406	1,602	404	32	149	30	529	1,085	2,355	91	183
Nov	7,399	114	335	1,552	365	48	158	38	544	1,273	2,582	88	168
Dec p	7,683	126	379	1,501	321	84	216	43	498	1,407	2,778	77	109
Total	22,201	349	1,120	4,655	1,090	164	523	111	1,571	3,765	7,715	256	460
Per cent change	−0.5	−9.8	−4.0	+4.2	+9.3	−10.4	+8.5	−4.9	+5.2	−6.8	−3.9	+2.0	+4.4

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 <sup>1,2</sup>

Thousand tonnes

	Total	Power <sup>3</sup> stations	Gas works	Iron and steel industry	Other industries	Transport <sup>4</sup>	Domestic	Other <sup>5</sup>
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–Nov	65,777	9,580	256	2,697	15,903	26,845	2,853	7,643
1978 Jan–Nov p	67,700	10,380	307	2,589	15,895	28,389	2,816	7,344
Per cent change	+2.9	+8.4	+19.9	-4.0	-0.1	+5.7	-1.3	-3.9
1977 Sept	5,609	751	16	246	1,252	2,576	221	547
Oct	5,876	853	31	245	1,363	2,511	234	639
Nov	7,088	1,381	33	271	1,738	2,480	334	851
Total	18,573	2,985	80	762	4,353	7,567	789	2,037
1978 Sept	5,653	867	24	214	1,174	2,712	191	471
Oct	6,318	970	31	238	1,485	2,704	260	630
Nov p	6,708	1,023	28	260	1,683	2,656	295	763
Total	18,679	2,860	83	712	4,342	8,072	746	1,864
Per cent change	+0.6	-4.2	+2.2	-6.6	-0.3	+6.7	-5.3	-8.5

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 <sup>1</sup>		Power stations <sup>2</sup>
	Million tonnes	Estimated days' supply <sup>3</sup>	Million tonnes
1977 Nov	19.3	73	0.82
Dec	19.1	73	1.02
1978 Jan	19.1	72	1.04
1978 Nov	18.6	70	1.14
Dec	19.1	70	1.17
1979 Jan p	19.5	72	1.03

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 <sup>1</sup>	0.500 <sup>2</sup>
Million tonnes oil equivalent	0.60	1	0.00235	0.0800 <sup>1</sup>	0.280 <sup>2</sup>
Million therms	250	425	1	34.0	115
TWh electrical energy	7.35	12.5	0.0295	1	..
TWh electricity generated	2.00 <sup>3</sup>	3.60 <sup>3</sup>	0.00880 <sup>3</sup>	..	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 1978* gives more detailed factors.

## SUPPLEMENTARY DATA

Values of fuel imports and exports<sup>1</sup>

£ million

	Imports (c.i.f.)							Exports (f.o.b.)				
	Coal	Other solid fuel <sup>2</sup>	Natural gas	Petroleum		Electricity	Total	Coal	Other solid fuel <sup>2</sup>	Petroleum <sup>3</sup>	Electricity	Total
				Crude	Refined <sup>3</sup>							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1973	21.3	7.9	9.4	1,336.3	348.3	0.4	1,723.6	15.2	13.8	341.0	—	370.0
1974	62.1	7.2	8.1	3,856.3	701.9	0.4	4,636.0	20.8	46.9	701.0	—	768.7
1975	105.6	7.8	13.9	3,462.9	718.6	1.1	4,309.0	36.1	54.6	722.9	0.1	813.7
1976	82.7	9.0	20.3	4,585.8	954.1	—	5,651.9	30.6	47.7	1,175.4	1.1	1,254.8
1977	78.1	11.5	43.2	4,094.1	1,001.6	—	5,228.5	43.7	45.6	1,977.4	—	2,006.7
1978 p	77.0	6.5	187.7	3,527.7	958.1	—	4,757.0	51.5	47.2	2,169.1	—	2,267.8
per cent change	-1.3	-43.3	(+)	-13.8	-4.4	—	-9.0	+17.8	+3.6	+9.7	—	+9.7
1976 4th quarter	18.7	2.2	4.5	1,238.3	231.6	—	1,495.3	9.6	12.9	380.7	0.7	403.9
1977 1st quarter	15.3	2.3	3.4	1,173.1	254.1	—	1,448.2	11.3	13.8	454.9	—	480.0
2nd quarter	14.4	3.2	3.8	1,099.4	263.9	—	1,384.7	11.3	12.1	498.2	—	521.6
3rd quarter	27.6	3.1	4.4	923.7	236.1	—	1,194.9	11.6	10.1	586.2	—	607.9
4th quarter	20.8	2.9	31.6	897.9	247.5	—	1,200.7	9.5	9.6	438.1	—	457.2
1978 1st quarter	21.5	2.1	49.9	970.1	268.0	—	1,311.6	11.7	10.3	452.2	—	474.2
2nd quarter	16.5	1.2	35.1	806.7	225.3	—	1,084.8	11.1	13.1	501.2	—	525.4
3rd quarter	21.1	1.5	22.0	890.7	211.5	—	1,146.8	11.8	13.1	639.8	—	664.7
4th quarter p	17.9	1.7	80.7	860.2	253.3	—	1,213.8	16.8	10.7	575.9	—	603.4
Per cent change	-13.9	-42.1	(+)	-4.2	+2.3	—	+1.1	+76.9	+12.0	+31.5	—	+32.0

1. The figures correspond to those published in Section 3 of the "Overseas Trade Statistics".

2. Including coke, breeze, briquettes and pitch.

3. Including liquefied gases other than natural gas and petroleum products not used as fuel e.g., lubricants.