

# Energy consumption lower in October

### Total Energy

#### Small rise in petroleum deliveries

Total inland energy consumption on a primary fuel input basis during the three month period August to October was 3.5 per cent higher than in the corresponding period of 1976. In the last month of the period however, which was very mild, consumption fell below last year's level for the first time since March. The seasonally adjusted and temperature corrected consumption series, measured at an annual rate, indicates that of the major fuels, natural gas consumption and petroleum deliveries increased during the August to October period by 6.8 per cent and 3.8 per cent respectively while the level of coal consumption was maintained at about last year's level. Total consumption rose by 3.3 per cent, compared with an overall rate of increase of 2.3 per cent for the year to date.

### Coal

#### Domestic grades in demand

Total production during the three months September to November was 31 million tons, 0.3 million tons less than in the comparable period of last year. Deep-mined output was lower by 1 million tons but the decline was largely offset by an increase of 0.7 million tons in opencast production.

Total coal consumption during the same period was 1.2 million tons (4 per cent) lower than a year ago. The recent buoyant demand for supplies for the domestic market continued, but coal consumption at power stations fell by 3.1 per cent and at coke ovens it was down by nearly a fifth. The reduction in consumption at power stations occurred wholly in November and was the result of the unofficial stoppage in the electricity industry which led to widespread cuts in electricity supplies.

Undistributed coal stocks rose by 1.1 million tons in November to just over 10 million tons and distributed stocks rose slightly to 21.4 million tons, over 19 million tons of which were at power stations.

### Gas

#### Continuing growth

Total gas sent out during the three month period September to November at 3584 million therms was 7.3 per cent higher than in the comparable period of 1976. Town gas has now shrunk to a negligible proportion of the total supplied in the United Kingdom, and most of the 10 million therms sent out during this latest three month period came from the public gas supply system in Northern Ireland where natural gas is not available.

### Electricity

#### Warm October lowers demand

Total electricity supplied during the three months August to October was 6.6 per cent higher than in the corresponding period of last year. Most of the increase occurred in the first two months of the period although demand in October, despite the warm weather, was still a little higher than in October last year.

### Petroleum

#### Decline in output of products

Refinery output of products during the period August to October was nearly 1.7 million tonnes lower than in the corresponding months last year with fuel oil output, which fell by 14 per cent, accounting for two-thirds of the total decline. Output of most oil products was lower than a year ago with the notable exception of burning oil which rose by over 20 per cent.

Total deliveries of products during the period rose by 3.6 per cent and of the major products only naphtha, which fell by 13.6 per cent, was below last year's level of demand. The greatest increases were in deliveries of gas/diesel oil which rose by over 15 per cent, and standard grade and premium grade burning oils used for domestic heating which were higher by 11.6 and 7.8 per cent respectively during the period as a whole.

### Supplementary Data

#### Industrial fuel prices

Provisional results for the third quarter are now available and are shown in the final table of this month's bulletin.

Average coal, gas and electricity prices paid by large industrial consumers have all risen while heavy fuel oil and gas oil are slightly cheaper than in the previous quarter.

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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.

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 gas <sup>3</sup>	Nuclear electricity	Hydro-electricity	Total	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Natural gas <sup>3</sup>	Nuclear electricity	Hydro-electricity
	<i>Million tons of coal or coal equivalent</i>						<i>Million metric tonnes of oil or oil equivalent</i>					
1973	347.9	130.8	161.6	43.6	9.9	2.0	207.9	78.2	96.6	26.0	5.9	1.2
1974	332.2	116.0	150.1	52.1	11.9	2.1	198.6	69.3	89.7	31.2	7.1	1.3
1975	319.7	118.1	134.4	54.5	10.8	1.9	191.1	70.6	80.3	32.6	6.4	1.2
1976	324.7	120.1	132.1	57.9	12.7	1.9	194.0	71.8	78.9	34.6	7.6	1.1
Per cent change	+1.5	+1.7	-1.7	+6.1	+17.8	-4.4	+1.5	+1.7	-1.7	+6.1	+17.8	-4.4
1976 Jan-Oct	259.0	96.9	105.8	44.6	10.2	1.5	154.8	57.9	63.2	26.7	6.1	0.9
1977 Jan-Oct p	267.7	99.6	106.8	48.2	11.7	1.4	160.0	59.5	63.8	28.8	7.0	0.9
Per cent change	+3.3	+2.7	+0.9	+8.0	+14.5	-4.3	+3.3	+2.7	+0.9	+8.0	+14.5	-4.3
1976 Aug	18.5	6.8	7.9	2.7	1.0	0.1	11.1	4.1	4.7	1.6	0.6	0.1
Sept*	26.8	10.3	11.5	3.6	1.3	0.1	16.0	6.1	6.9	2.2	0.8	—
Oct	25.1	9.4	9.8	4.8	1.0	0.1	14.9	5.6	5.8	2.8	0.6	0.1
Total	70.4	26.5	29.2	11.1	3.3	0.3	42.0	15.8	17.4	6.6	2.0	0.2
1977 Aug	19.9	7.1	8.4	3.2	1.1	0.1	11.9	4.3	5.0	1.9	0.6	0.1
Sept*	28.0	10.5	12.1	3.9	1.4	0.1	16.7	6.2	7.2	2.3	0.9	0.1
Oct p	24.8	9.2	9.7	4.7	1.0	0.2	14.8	5.5	5.8	2.8	0.6	0.1
Total	72.7	26.8	30.2	11.8	3.5	0.4	43.4	16.0	18.0	7.0	2.1	0.3
Per cent change	+3.5	+1.3	+3.5	+6.8	+7.9	+30.9	+3.5	+1.3	+3.5	+6.8	+7.9	+30.9

Seasonally adjusted and temperature corrected<sup>4</sup> (annual rates).

1976 Jan-Oct	326.1	121.8	133.4	56.4	12.6	1.9	194.9	72.8	79.7	33.7	7.5	1.2
1977 Jan-Oct p	333.4	121.7	134.1	61.1	14.5	2.0	199.2	72.7	80.1	36.5	8.7	1.2
Per cent change	+2.3	-0.1	+0.5	+8.4	+15.4	+4.2	+2.3	-0.1	+0.5	+8.4	+15.4	+4.2
1976 Aug	319.1	116.8	133.5	52.6	14.5	1.7	190.7	69.8	79.8	31.4	8.6	1.1
Sept*	326.7	118.3	133.7	58.3	15.3	1.1	195.2	70.7	79.9	34.9	9.1	0.6
Oct	314.8	120.0	122.1	57.4	13.6	1.7	188.1	71.7	73.0	34.3	8.1	1.0
Average	320.7	118.3	130.1	56.3	14.5	1.5	191.7	70.7	77.8	33.6	8.7	0.9
1977 Aug	339.3	118.5	139.6	63.2	16.5	1.5	202.8	70.8	83.5	37.8	9.8	0.9
Sept*	337.7	117.1	140.0	61.2	17.5	1.9	201.8	70.0	83.7	36.6	10.4	1.1
Oct p	315.4	119.5	124.3	55.9	13.4	2.3	188.5	71.4	74.3	33.4	8.0	1.4
Average	331.3	118.3	135.1	60.1	15.9	1.9	198.0	70.7	80.7	36.0	9.5	1.1
Per cent change	+3.3	—	+3.8	+6.8	+9.6	+29.3	+3.3	—	+3.8	+6.8	+9.6	+29.3

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. Only coal and petroleum are temperature corrected.

## Energy: Total inland consumption (primary fuel input basis)<sup>1</sup>

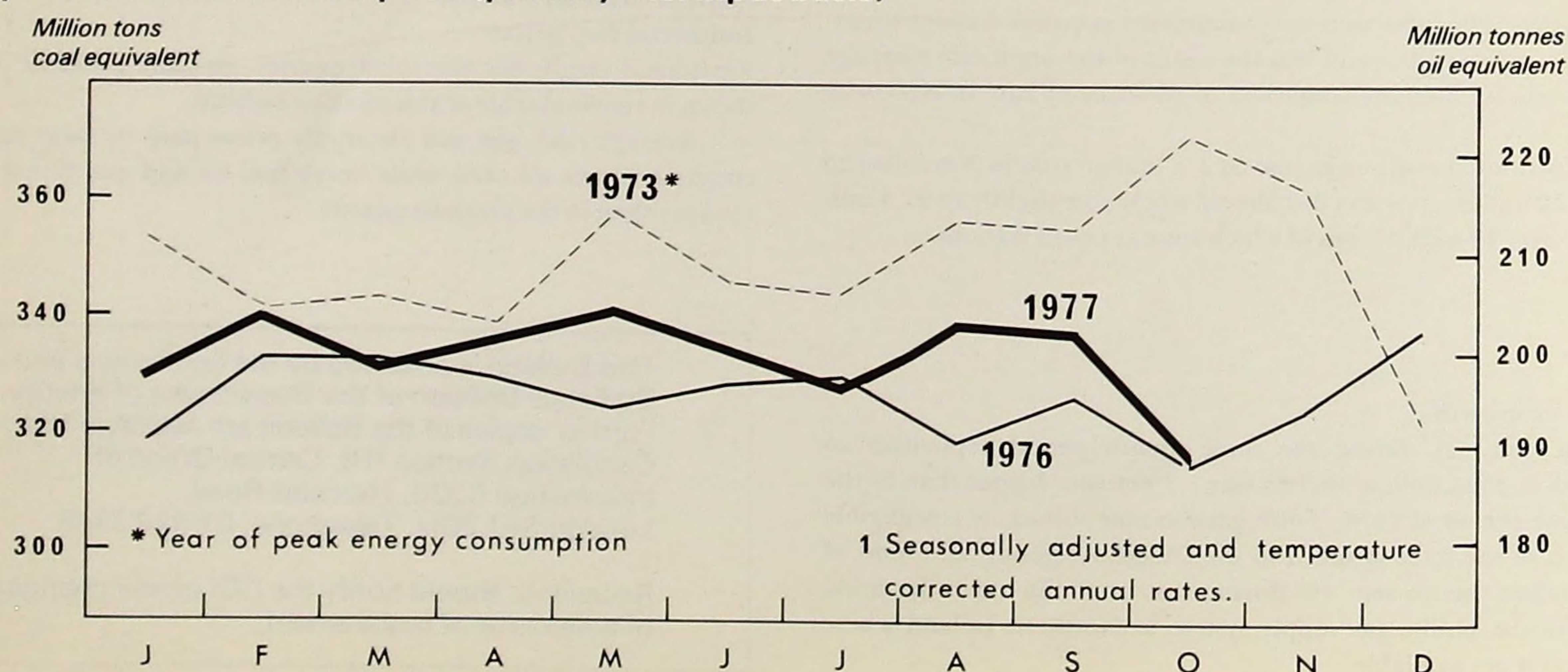




TABLE 2. Supply and use of fuels

Million therms

	1975	1976	Per cent change	1975			1976				1977 p		Per <sup>1</sup> cent change
				2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	
PRIMARY FUELS AND EQUIVALENTS:													
Production of primary fuels													
Coal	31,430	30,166	− 4.0	7,904	6,602	8,442	8,006	7,635	6,378	8,147	7,567	7,538	− 1.3
Petroleum <sup>2</sup>	665	5,206	(+)	57	137	415	574	1,020	1,335	2,277	3,295	4,218	(+)
Natural gas <sup>3</sup>	13,578	14,379	+5.9	2,980	2,191	4,214	4,727	2,962	2,173	4,517	4,910	3,448	+16.4
Primary electricity	2,982	3,411	+14.4	617	580	841	926	786	770	929	1,070	877	+11.6
Total	48,655	53,162	+9.3	11,558	9,510	13,912	14,233	12,403	10,656	15,870	16,842	16,081	+29.7
Arrivals. Petroleum <sup>4</sup>	44,216	43,174	− 2.4	11,200	10,521	11,117	10,992	10,949	10,160	11,073	9,613	9,114	− 16.8
Other	1,616	1,183	− 26.8	417	380	430	351	336	270	226	193	197	− 41.4
Shipments	7,243	9,176	+26.7	1,638	1,993	1,882	1,745	2,068	2,507	2,856	2,973	3,649	+76.5
Bunkers	1,418	1,468	+3.5	345	354	344	371	346	381	370	316	303	− 12.4
Stock change <sup>5</sup>													
Solid fuels	− 2,576	− 634	..	− 1,085	− 891	− 703	+ 312	− 820	− 388	+ 262	+ 1,195	− 336	..
Crude petroleum	+ 475	− 378	..	− 248	+ 220	+ 78	+ 354	− 196	− 25	− 511	+ 159	− 231	..
Petroleum products	+ 978	+ 240	..	+ 20	− 503	+ 707	+ 648	− 431	− 367	+ 390	+ 560	− 222	..
Non-energy use	4,106	4,448	+8.3	956	960	1,135	1,138	1,111	1,159	1,040	929	1,066	− 4.1
Statistical difference <sup>6</sup>	− 176	+ 54	..	+ 17	− 13	− 12	+ 58	− 23	− 2	+ 21	− 210	+ 72	..
Total primary <sup>7</sup> energy input	80,421	81,709	+ 1.6	18,940	15,917	22,168	23,694	18,693	16,257	23,065	24,134	19,657	+ 5.2
Conversion losses etc. <sup>8</sup>	24,545	24,380	− 0.7	5,693	4,954	6,905	6,913	5,596	4,905	6,966	7,260	5,846	+ 4.5
FINAL CONSUMPTION BY USER:													
Iron and steel industry													
Coal	72	66	− 8.3	18	10	19	23	14	9	20	23	15	+7.1
Other solid fuel <sup>9</sup>	2,374	2,723	+14.7	575	482	571	631	719	670	703	655	584	− 18.8
Other coal-derived fuels <sup>10</sup>	372	401	+7.8	97	76	92	98	109	97	97	95	90	− 17.4
Gas <sup>11</sup>	371	438	+18.1	91	79	100	108	112	99	119	128	125	+11.6
Electricity	344	395	+14.8	84	75	91	100	96	90	109	102	94	− 2.1
Petroleum	1,357	1,279	− 5.7	334	244	330	354	306	273	346	351	285	− 6.9
Total	4,890	5,302	+8.4	1,199	966	1,203	1,314	1,356	1,238	1,394	1,354	1,193	− 12.0
Other industries													
Coal	2,458	2,277	− 7.4	613	528	657	547	564	470	696	617	530	− 6.0
Other solid fuel <sup>9</sup>	164	126	− 23.2	47	40	30	38	24	27	37	39	39	+62.5
Other coal-derived fuels <sup>10</sup>	78	76	− 2.6	23	22	16	13	23	25	15	17	17	− 26.1
Gas <sup>11</sup>	4,701	5,241	+11.5	1,091	1,007	1,308	1,456	1,236	1,083	1,466	1,431	1,373	+11.1
Electricity	2,228	2,364	+ 6.1	540	508	592	617	563	546	638	646	603	+ 7.1
Petroleum	7,434	7,441	+0.1	1,770	1,300	2,224	2,255	1,696	1,400	2,090	2,254	1,784	+ 5.2
Total	17,063	17,525	+ 2.7	4,084	3,405	4,827	4,926	4,106	3,551	4,942	5,004	4,346	+ 5.8
Transport sector													
Coal and other solid fuel	19	21	+10.5	3	3	7	7	4	2	8	6	4	−
Electricity	99	98	+1.0	25	23	25	26	24	22	26	27	26	+8.3
Petroleum	12,143	12,597	+3.7	3,104	3,225	3,043	2,889	3,198	3,333	3,177	2,988	3,224	+0.8
Total	12,261	12,716	+3.7	3,132	3,251	3,075	2,922	3,226	3,357	3,211	3,021	3,254	+0.9
Domestic sector													
Coal	3,381	3,143	− 7.0	903	699	766	932	765	634	812	851	774	+ 1.2
Other solid fuel <sup>9</sup>	962	869	− 9.7	231	260	201	277	196	208	188	231	208	+ 6.1
Gas <sup>11</sup>	5,891	6,194	+ 5.1	1,119	615	1,828	2,403	1,055	686	2,050	2,412	1,370	+29.9
Electricity	3,045	2,905	− 4.6	681	485	838	993	585	464	863	972	638	+ 9.1
Petroleum	1,434	1,435	− 0.1	306	194	461	519	268	176	472	514	291	+ 8.6
Total	14,713	14,546	− 1.1	3,240	2,253	4,094	5,124	2,869	2,168	4,385	4,980	3,281	+14.4
Other final users <sup>12</sup>													
Coal	490	516	+ 5.3	123	78	160	172	113	73	158	165	117	+ 3.5
Other solid fuel <sup>9</sup>	219	166	− 24.2	49	63	43	51	44	37	34	52	39	− 11.4
Gas <sup>11</sup>	1,347	1,521	+12.9	310	171	394	571	317	169	464	561	380	+19.9
Electricity	1,546	1,596	+ 3.2	347	300	437	478	345	308	405	497	381	+10.4
Petroleum	3,347	3,441	+ 2.8	764	474	1,028	1,223	721	451	1,046	1,240	820	+13.7
Total	6,949	7,240	+ 4.2	1,593	1,086	2,062	2,495	1,540	1,038	2,167	2,515	1,737	+12.8
Total final users	55,876	57,329	+ 2.6	13,248	10,961	15,261	16,781	13,097	11,352	16,099	16,874	13,811	+ 5.5
FINAL CONSUMPTION BY FUEL:													
Coal	6,420	6,022	− 6.2	1,660	1,318	1,609	1,681	1,460	1,188	1,693	1,662	1,440	− 1.4
Other solid fuel <sup>9</sup>	3,719	3,885	+ 4.5	902	845	845	997	983	942	963	977	870	− 11.5
Other coal-derived fuels <sup>10</sup>	450	477	+ 6.0	120	98	108	111	132	122	112	112	107	− 18.9
Gas <sup>11</sup>	12,310	13,394	+ 8.8	2,611	1,872	3,630	4,538	2,720	2,037	4,099	4,532	3,248	+19.4
Electricity	7,262	7,358	+ 1.3	1,677	1,391	1,983	2,214	1,613	1,430	2,101	2,244	1,742	+ 8.0
Petroleum	25,715	26,193	+ 1.9	6,278	5,437	7,086	7,240	6,189	5,633	7,131	7,347	6,404	+ 3.5
Total all fuels	55,876	57,329	+ 2.6	13,248	10,961	15,261	16,781	13,097	11,352	16,099	16,874	13,811	+ 5.5

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 tons

	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	128,904	129,906	118,140	9,964	-1,002	1,649	2,651	10,313	5,569
1974	110,362	108,707	98,413	9,085	+1,655	3,491	1,836	10,352	15,996
1975	129,505	126,650	115,557	10,249	+2,855	5,003	2,148	12,105	347
1976	123,224	121,845	108,523	11,755	+1,379	2,792	1,413	12,150	1,140
Per cent change	-4.9	-3.8	-6.1	+14.7	-51.7	-44.2	-34.2	+0.4	(+)
1976 Jan-Nov	110,748	109,335	97,259	10,649	+1,413	2,677	1,264	11,578	1,102
1977 Jan-Nov p	107,822	107,442	94,253	11,959	+380	2,112	1,732	12,172	733
Per cent change	-2.6	-1.7	-3.1	+12.3	-73.1	-21.1	+37.0	+5.1	-33.5
1976 Sept*	10,842	10,898	9,495	1,255	-56	92	148	1,336	313
Oct	9,918	9,851	8,954	848	+67	197	130	34	132
Nov	10,629	10,546	9,438	961	+83	216	133	3	89
Total	31,389	31,295	27,887	3,064	+94	505	411	1,373	534
1977 Sept*	10,856	10,736	9,209	1,478	+120	310	190	1,475	81
Oct	10,060	10,065	8,765	1,142	-5	130	135	73	63
Nov p	10,366	10,202	8,896	1,149	+164	246	82	-	86
Total	31,282	31,003	26,870	3,769	+279	686	407	1,548	230
Per cent change	-0.3	-0.9	-3.6	+23.0	(+)	+35.8	-1.0	+12.7	-56.9

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 mines only.

TABLE 4. Inland consumption of coal

Thousand tons

	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	131,270	1,359	75,628	21,543	504	3,550	11,890	12,466	1,790	2,540
1974	116,025	1,236	65,967	18,169	105	3,728	10,902	11,793	1,660	2,465
1975	120,286	1,218	73,391	18,783	9	3,999	9,532	9,759	1,677	1,918
1976	121,651	1,114	76,589	19,095	8	3,351	8,828	9,301	1,352	2,013
Per cent change	+1.1	-8.5	+4.4	+1.7	-11.1	-16.2	-7.4	-4.7	-19.4	+5.0
1976 Jan-Nov	107,333	986	66,956	17,287	7	3,079	7,753	8,309	1,223	1,733
1977 Jan-Nov p	108,767	976	69,851	15,744	6	2,771	7,859	8,463	1,310	1,787
Per cent change	+1.3	-1.0	+4.3	-8.9	-14.3	-10.0	+1.4	+1.9	+7.1	+3.1
1976 Sept *	10,304	82	6,117	1,868	1	305	799	854	136	142
Oct	9,358	86	5,757	1,502	-	235	785	719	112	162
Nov	10,412	98	6,756	1,514	1	228	837	680	121	177
Total	30,074	266	18,630	4,884	2	768	2,421	2,253	369	481
1977 Sept*	10,460	77	6,496	1,579	1	324	778	889	164	152
Oct	9,231	84	5,818	1,207	-	255	733	832	129	173
Nov p	9,185	89	5,740	1,205	-	240	804	780	136	191
Total	28,876	250	18,054	3,991	1	819	2,315	2,501	429	516
Per cent change	-4.0	-6.0	-3.1	-18.3	-50.0	+6.6	-4.4	+11.0	+16.3	+7.3

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 tons

	Total	Distributed					Undistributed		
		Total distributed stocks	Power stations	Coke ovens	Gas works	Other	Total undistributed stocks	Collieries	Opencast sites and central stocking grounds
1971	28,211	17,982	15,712	1,777	72	421	10,229	6,973	3,256
1972	29,979	19,045	16,791	1,890	50	314	10,934	7,558	3,376
1973	27,445	16,766	14,537	1,937	27	265	10,679	7,529	3,150
1974	21,462	15,577	13,414	1,822	3	338	5,885	3,946	1,939
1975	30,666	20,216	17,668	2,296	2	250	10,450	8,767	1,683
1976	32,592	22,102	19,288	2,642	2	170	10,490	9,148	1,342
1976 Sept	33,810	23,277	20,785	2,250	2	240	10,533	8,916	1,617
Oct	34,326	23,717	21,185	2,331	1	200	10,609	9,135	1,474
Nov	34,500	23,644	20,927	2,536	1	180	10,856	9,451	1,405
1977 Sept	29,407	20,471	18,421	1,869	1	180	8,936	7,348	1,588
Oct	30,314	21,317	19,103	2,013	1	200	8,997	7,464	1,533
Nov p	31,476	21,390	19,083	2,106	1	200	10,086	8,545	1,541
Absolute change:									
In latest month	+1,162	+73	-20	+93	-	-	+1,089	+1,081	+8
On a year ago	-3,024	-2,254	-1,844	-429	-1	+20	-770	-906	+136

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	At the face
	Thousands	Number	Per cent	Cwt.					
1971	279	218	28,010	32,309	18.1	4.4	13.7	43.94	143.08
1972	266	210	13,255	26,114	16.6	3.9	12.7	43.60	144.35
1973	245	193	17,402	37,961	18.0	4.1	13.9	45.00	150.00
1974	246	194	26,436	25,133	16.3	4.1	12.2	42.83	..
1975	245	194	21,347	22,451	16.2	4.0	12.2	44.92	155.85
1976	241	192	17,061	21,239	17.4	3.7	13.7	43.81	152.59
1976 Sept*	242	192	1,987	2,060	17.2	3.8	13.4	41.09	143.77
Oct	242	192	1,453	1,886	17.9	3.9	14.0	43.29	149.35
Nov	241	191	1,536	1,804	17.8	4.1	13.7	44.94	155.61
1977 Sept *	239	189	3,206	2,330	17.0	3.9	13.1	40.35	144.44
Oct	239	188	2,200	2,450	17.8	4.2	13.6	42.85	150.53
Nov p	239	189	2,114	1,885	17.5	4.2	13.3	42.57	150.64

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

## 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>2</sup>	Total	Town gas	Natural <sup>3</sup> gas for direct supply
		Indigenous	Imported					
Million therms				Thousand tons		Million therms		
1973	10,916	10,639	277	503	2,286	11,620	2,434	9,186
1974	13,102	12,861	241	105	1,256	13,451	1,598	11,853
1975	13,692	13,367	325	9	579	13,822	752	13,070
1976	14,420 <i>34</i>	14,030 <i>33</i>	390	8	241	14,445	226	14,219
Per cent change	+ 5.3	+ 5.0	+ 20.0	- 11.1	- 58.4	+ 4.5	- 69.9	+ 8.8
1976 Jan-Nov	12,414	12,054	360	7	216	12,444	212	12,232
1977 Jan-Nov p	13,425	12,958	467	7	142	13,382	71	13,311
Per cent change	+ 8.1	<i>914977</i> + 7.5 <i>235</i>	+ 29.7	- 1.5	- 34.3	+ 7.5	- 66.5	+ 8.8
1976 Sept*	979	946	33	1	14	991	10	981
Oct	997	980	17	—	15	1,003	11	992
Nov	1,346	1,324 <i>Da 1976</i>	22	1	24	1,346	11	1,335
Total	3,322	3,250	72	2	53	3,340	32	3,308
1977 Sept*	1,098	1,045 <i>41,022</i>	53	1	10	1,089	3	1,086
Oct	1,074	968	106	—	19	1,063	3	1,060
Nov p	1,434	1,310 <i>209</i>	124	—	18	1,432	4	1,428
Total	3,606	3,323	283	1	47	3,584	10	3,574
Per cent change	+ 8.5	+ 2.2	(+)	- 17.6	- 11.3	+ 7.3	- 68.7	+ 8.0

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

TABLE 8. Sales of gas by the public supply system

	Total	Power stations <sup>1</sup>	Iron and steel industry	Other industries	Domestic	Other <sup>2</sup>
1971	7,520	263	343	2,118	3,930	866
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
Per cent change	+ 6.8	- 22.8	+ 18.1	+ 11.6	+ 5.1	+ 12.9
1975 2nd quarter	2,798	200	91	1,078	1,119	310
3rd quarter	2,067	208	79	994	615	171
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 p	4,633	118	128	1,414	2,412	561
2nd quarter p	3,316	82	125	1,359	1,370	380
Per cent change	+ 15.7	- 48.7	+ 11.6	+ 11.3	+ 29.9	+ 19.9

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 tons of coal or coal equivalent						TWh					
United Kingdom												
1973	114.68	75.57	28.04	1.13	8.22	1.66	258.80	23.66	229.89	18.43	240.37	244.76
1974	110.49	65.97	28.51	3.86	10.28	1.81	250.47	29.40	215.70	18.07	232.40	236.68
1975	108.97	73.39	21.14	3.37	9.29	1.64	251.26	26.52	219.69	18.02	233.24	237.30
1976	108.76	76.59	16.78	2.51	11.22	1.61	254.92	32.42	217.50	19.16	235.76	239.47
Per cent change	− 0.2	+ 4.4	− 20.6	− 25.4	+ 20.8	− 2.0	+ 1.5	+ 22.2	− 1.0	+ 6.3	+ 1.1	+ 0.9
1976 Jan-Oct	85.91	60.20	13.14	2.20	9.01	1.33	201.38	26.05	171.33	15.25	186.13	189.11
1977 Jan-Oct p	90.13	63.77	13.24	1.30	10.54	1.23	211.14	30.27	176.85	15.94	195.20	197.98
Per cent change	+ 4.9	+ 5.9	+ 0.76	− 40.9	+ 17.0	− 7.5	+ 4.8	+ 16.2	+ 3.2	+ 4.5	+ 4.9	+ 4.7
1976 Aug	5.95	4.15	0.73	0.16	0.85	0.06	14.10	2.45	11.43	1.21	12.89	13.14
Sept *	8.77	6.12	1.26	0.19	1.15	0.05	20.58	3.31	17.02	1.66	18.92	19.24
Oct	8.10	5.76	1.17	0.16	0.91	0.10	19.00	2.63	16.03	1.45	17.55	17.82
Total	22.82	16.03	3.16	0.51	2.91	0.21	53.68	8.39	44.48	4.32	49.36	50.20
1977 Aug	6.65	4.68	0.75	0.22	0.95	0.05	15.73	2.75	12.77	1.28	14.45	14.73
Sept*	9.53	6.63	1.33	0.16	1.29	0.11	22.02	3.72	17.92	1.72	20.30	20.65
Oct p	8.36	5.79	1.36	0.15	0.90	0.15	19.36	2.62	16.27	1.47	17.89	18.14
Total	24.54	17.10	3.44	0.53	3.14	0.31	57.11	9.09	46.96	4.47	52.64	53.52
Per cent change	+ 7.5	+ 6.7	+ 8.9	+ 3.9	+ 7.9	+ 47.6	+ 6.4	+ 8.3	+ 5.6	+ 3.5	+ 6.6	+ 6.6
England and Wales												
1973	99.43	67.14	23.56	1.13	7.45	0.09	225.24	21.42	202.18	16.24	209.00	212.72
1974	96.09	58.63	24.00	3.86	9.43	0.12	218.85	26.93	190.43	15.89	202.96	205.55
1975	94.62	64.67	17.95	3.37	8.40	0.09	219.25	23.94	194.33	15.32	203.93	206.39
1976	94.29	67.97	13.84	2.51	9.84	0.08	222.12	28.30	193.11	15.94	206.18	207.62
Per cent change	− 0.4	+ 5.1	− 22.9	− 25.4	+ 17.2	− 11.4	+ 1.3	+ 18.2	− 0.6	+ 4.0	+ 1.1	+ 0.6
1976 Jan-Oct	74.50	53.45	10.86	2.20	7.90	0.06	175.49	22.71	152.23	12.70	162.79	164.11
1977 Jan-Oct p	78.00	56.79	10.91	1.30	8.87	0.08	183.42	25.44	157.20	13.24	170.18	171.93
Per cent change	+ 4.7	+ 6.2	+ 0.5	− 40.9	+ 12.3	+ 33.3	+ 4.5	+ 12.0	+ 3.3	+ 4.3	+ 4.5	+ 4.8
1976 Aug	5.19	3.75	0.56	0.16	0.72	—	12.38	2.10	10.24	1.00	11.38	11.47
Sept *	7.61	5.42	1.02	0.19	0.97	0.01	17.90	2.78	15.08	1.35	16.55	16.77
Oct	7.06	5.20	0.96	0.16	0.73	0.01	16.62	2.12	14.46	1.20	15.42	15.55
Total	19.86	14.37	2.54	0.51	2.42	0.02	46.90	7.00	39.78	3.55	43.35	43.79
1977 Aug	5.83	4.21	0.60	0.22	0.80	—	13.82	2.31	11.48	1.06	12.76	12.89
Sept*	8.20	5.81	1.09	0.16	1.12	0.01	19.06	3.22	15.77	1.43	17.63	17.94
Oct p	7.20	5.12	1.08	0.15	0.83	0.01	16.79	2.40	14.27	1.25	15.54	15.75
Total	21.23	15.14	2.77	0.53	2.75	0.02	49.67	7.93	41.52	3.74	45.93	46.58
Per cent change	+ 6.9	+ 5.4	+ 9.1	+ 3.9	+ 13.6	+ 38.5	+ 5.9	+ 13.3	+ 4.4	+ 5.4	+ 6.0	+ 6.4

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 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 <sup>1</sup>
1971	203,433	10,837	69,337	80,674	42,585
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
Per cent change	+1.3	+12.9	+5.8	-4.6	+3.1
1975 2nd quarter	50,344	2,732	17,196	19,940	10,476
3rd quarter	42,042	2,407	16,219	14,218	9,198
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	67,165	3,268	20,445	28,488	14,964
2nd quarter p	52,346	3,050 <sup>2</sup>	19,064 <sup>2</sup>	18,686	11,546
Per cent change	+7.8	-0.7	+6.4	+9.0	+10.9

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
Per cent change	(+)	+ 6.6	(+)	— 4.1	— 45.7	— 1.0	(+)	— 16.4	+ 15.1	(+)	+ 3.2
1976 Jan-Oct	8,406	80,195	8,058	+ 71,460	677	74,482	3,022	8,802	12,741	— 3,939	2,919
1977 Jan-Oct p	31,014	77,613	30,879	+ 46,292	442	60,070	13,778	9,816	12,185	— 2,369	2,430
Per cent change	(+)	— 3.2	(+)	— 35.2	— 34.7	— 19.4	(+)	+ 11.5	— 4.4	— 40.0	— 16.7
1976 Aug	1,080	7,882	974	+ 6,907	1	7,311	404	727	1,114	— 387	343
Sept	1,249	7,556	1,195	+ 6,383	— 22	6,964	581	559	1,624	— 1,065	274
Oct	1,637	8,796	1,630	+ 7,150	16	7,682	532	595	1,507	— 912	251
Total	3,966	24,234	3,799	+ 20,440	— 5	21,957	1,517	1,881	4,245	— 2,364	868
1977 Aug	3,422	7,127	3,422	+ 3,640	65	5,635	1,995	953	1,480	— 527	234
Sept	3,443	7,278	3,418	+ 3,818	42	5,316	1,498	987	1,111	— 124	240
Oct p	3,517	8,164	3,649	+ 4,451	64	5,993	1,542	920	1,214	— 294	209
Total	10,382	22,569	10,489	+ 11,909	171	16,944	5,035	2,860	3,805	— 945	683
Per cent change	(+)	— 6.9	(+)	— 41.7	(+)	— 22.8	(+)	+ 52.0	— 10.4	— 60.0	— 21.3

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 oils	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 oils	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	2,099
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
Per cent change	+4.5	+5.2	+28.5	+4.2	+8.8	+4.4	+15.5	+9.3	+5.2	+6.9	+3.7	-0.0	+14.8	-9.6
1976 Jan-Oct	80,369	5,262	890	74,217	1,281	134	3,679	12,635	3,571	1,879	20,123	26,463	1,082	1,621
1977 Jan-Oct p	77,657	5,144	859	71,654	1,275	117	3,708	12,329	3,425	1,935	19,498	25,204	1,139	1,601
Per cent change	-3.4	-2.3	-3.5	-3.5	-0.4	-12.5	+0.8	-2.4	-4.1	+3.0	-3.1	-4.8	+5.2	-1.2
1976 Aug	7,508	532	93	6,883	115	15	338	1,363	395	130	1,828	2,270	107	152
Sept	8,183	527	27	7,629	124	14	398	1,296	411	150	1,963	2,838	124	155
Oct	8,658	524	112	8,022	134	11	413	1,352	410	192	2,067	3,020	129	141
Total	24,349	1,583	232	22,534	373	40	1,150	4,011	1,216	472	5,858	8,128	360	448
1977 Aug	7,687	531	75	7,081	128	11	415	1,313	416	111	1,921	2,330	116	177
Sept	7,450	528	82	6,840	134	14	327	1,265	343	209	1,797	2,309	111	164
Oct p	7,510	527	34	6,949	142	11	349	1,237	277	251	1,901	2,354	118	179
Total	22,647	1,586	191	20,870	404	36	1,091	3,815	1,036	571	5,619	6,993	345	520
Per cent change	-7.0	+0.2	-17.1	-7.4	+8.2	-8.3	-5.1	-4.9	-14.8	+21.1	-4.1	-14.0	-3.9	+16.1

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 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	Lubri- cating oils	Bitumen
					Aviation turbine fuel	Burning oil							
						Premier	Standard						
							Domestic	Other <sup>6</sup>					
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
Per cent change	− 1.7	+ 4.3	+ 5.6	+ 4.7	+ 4.0	+ 7.1	− 1.3	− 7.2	+ 3.3	− 0.5	− 8.7	+ 1.9	− 10.6
1976 Jan-Oct	65,163	1,065	4,562	14,068	3,430	391	1,295	294	4,640	10,111	22,207	834	1,608
1977 Jan-Oct p	66,191	1,079	4,391	14,332	3,538	410	1,324	305	4,702	10,968	21,896	864	1,573
Per cent change	+ 1.6	+ 1.4	− 3.8	+ 1.9	+ 3.1	+ 4.9	+ 2.2	+ 3.5	+ 1.3	+ 8.5	− 1.4	+ 3.5	− 2.2
1976 Aug	5,417	87	499	1,494	400	5	46	18	416	578	1,572	79	151
Sept	6,071	100	479	1,461	388	24	99	26	480	813	1,884	90	163
Oct	6,555	109	471	1,472	340	36	144	30	505	1,025	2,141	88	142
Total	18,043	296	1,449	4,427	1,128	65	289	74	1,401	2,416	5,597	257	456
1977 Aug	5,728	85	455	1,631	404	10	69	21	452	695	1,592	80	161
Sept	6,389	98	419	1,526	377	28	125	29	491	999	1,923	93	185
Oct p	6,579	108	377	1,465	370	34	128	30	484	1,092	2,155	85	166
Total	18,696	291	1,251	4,622	1,151	72	322	80	1,427	2,786	5,670	258	512
Per cent change	+ 3.6	− 1.2	− 13.6	+ 4.4	+ 2.1	+ 7.9	+ 11.6	+ 7.8	+ 1.8	+ 15.3	+ 1.3	+ 0.8	+ 12.2

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. 4. Including very small amounts for petro-chemicals. 5. Now mainly for petro-chemical feedstock. 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>
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
Per cent change	-2.6	-21.8	-47.3	-5.5	+1.4	+3.7	-0.0	+3.1
1976 Jan-Sept	51,887	7,527	282	2,280	12,508	21,389	2,205	5,696
1977 Jan-Sept p	52,815	7,353	192	2,178	12,806	21,852	2,286	6,148
Per cent change	+1.8	-2.3	-31.8	-4.5	+2.4	+2.2	+3.7	+7.9
1976 Jul	4,946	659	16	212	1,015	2,574	134	336
Aug	4,627	612	16	206	929	2,482	88	294
Sept	5,286	690	19	250	1,191	2,511	179	446
Total	14,859	1,961	51	668	3,135	7,567	401	1,076
1977 Jul	4,797	672	13	187	944	2,526	108	347
Aug	4,967	566	13	193	1,045	2,659	126	365
Sept p	5,609	757	16	244	1,248	2,576	221	547
Total	15,373	1,995	42	624	3,237	7,761	455	1,259
Per cent change	+3.5	+1.7	-17.0	-6.5	+3.2	+2.6	+13.2	+17.0

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
1976 Sept	21.7	89	0.98
Oct	22.0	85	0.98
Nov	22.1	86	0.91
1977 Sept	20.8	84	1.03
Oct	21.1	84	0.98
Nov p	19.5	76	0.82

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 tons coal equiv.	Million tonnes oil equiv.	Million therms	TWh Electrical energy	TWh Electricity generated
Million tons coal equivalent	1	1.65	0.00390	0.135 <sup>1</sup>	0.500 <sup>2</sup>
Million tonnes oil equivalent	0.600	1	0.00235	0.0800 <sup>1</sup>	0.280 <sup>2</sup>
Million therms	255	425	1	34.0	115
TWh Electrical energy	7.45	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 the fuel shown.

The Digest of UK Energy Statistics 1976 gives more detailed factors.

## SUPPLEMENTARY DATA

Prices of fuels used by Industry in Great Britain<sup>1</sup>

	Delivered to large industrial consumers <sup>2</sup>					Realised in new and renewed medium size contracts <sup>3</sup>	
	Coal	Heavy Fuel Oil	Gas Oil	Gas	Electricity	Heavy Fuel Oil	Gas Oil
	£ per ton			Pence per therm	Pence per KWh	£ per ton	
1975 1st quarter	13.3	38.8	55.0	3.65	1.179	41.1	59.4
2nd quarter	15.1	38.2	54.2	4.15	1.178	40.6	55.5
3rd quarter	14.9	37.5	50.7	4.43	1.249	39.4	54.0
4th quarter	15.6	38.7	53.9	4.84	1.354	46.4	70.3
1976 1st quarter	17.4	42.1	64.0	5.73	1.453	45.3	70.8
2nd quarter	17.8	41.5	62.0	5.72	1.447	44.2	69.5
3rd quarter	18.0	43.1	61.7	6.74	1.461	45.1	70.6
4th quarter	19.4	47.9	68.2	7.58	1.592	55.2	82.1
1977 1st quarter	20.3	54.2	77.3	8.58	1.714	56.1	83.2
2nd quarter p	21.5	57.0	81.0	9.12	1.656	60.0	88.6
3rd quarter p	22.5	55.7	80.8	9.27	1.676	57.9	86.1

1. Prices for oil products include hydrocarbon oil duty.

2. Derived from data relating to purchases received; the data can include business under contracts made in earlier times. Prices vary widely around the average values shown above.

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.