

Industrial consumption higher



Total Energy

Consumption stays at last year's level

During the latest three month period March to May 1976, total inland energy consumption on a primary fuel input basis was at the same level as in the corresponding period of 1975. The seasonally adjusted and temperature corrected consumption series for the same period at an annual rate of 329½ million tons coal equivalent indicates however, that total consumption is running at a marginally higher level than a year ago.

Provisional figures for energy consumption on a heat supplied basis for the first quarter of 1976 show that total final consumption was nearly 2½ per cent higher than in the corresponding period of 1975. The level of domestic use was virtually unchanged from a year ago in total, but the shares of both gas and petroleum increased, with corresponding declines in the use of coal and electricity. Industries other than iron and steel increased their total consumption by nearly 4½ per cent and a similar increase was recorded in the transport sector.

Of the component fuels within total final consumption, natural gas increased by over 8 per cent but in contrast, coal and fuels derived from coal each declined at a similar rate. There was an increase in petroleum consumption by final users of over 4½ per cent. This increase contrasts with the decrease of over 2 per cent in total petroleum consumption measured on a primary fuel input basis during the same period, the difference being attributable mainly to the much reduced consumption of oil by power stations shown in Table 14.

Coal

Output at low level

During the first half of the year output of deep-mined coal was 4 million tons less than in the corresponding period of 1975, a decline of over 6½ per cent.

Consumption by power stations rose by nearly 3½ per cent but this was against a background of falling consumption in all other sectors and total consumption during the period was lower by nearly 1½ per cent compared with the first half of 1975.

Gas

Higher Industrial use

Total sales of gas in the 1st quarter of 1976 were 8½ per cent higher than in the corresponding period of 1975. Each of the consuming sectors increased their offtake, sales to the iron and steel industry and to other industries increasing by about 7 and 13 per cent respectively, the first quarter on quarter increases

recorded in these sectors for a year. Sales to commercial and other non-industrial consumers rose by over a fifth, but although the quarter was slightly colder than a year ago, domestic consumers took only about 3 per cent more than in the corresponding period of 1975.

Electricity

Total sales level out

Total electricity sales in the 1st quarter of 1976 stabilised at the level of a year ago in contrast to the falling sales which were observed in the previous two quarters. Within the total, sales to the domestic sector declined by 5 per cent compared with the 1st quarter of 1975, but higher sales were recorded to each of the remaining sectors, those to the iron and steel industry and to other industries, up by 3 per cent and 5 per cent respectively, being the first indication for a year of increasing demand in these sectors.

Petroleum

Transport fuels in demand

During the three months March to May, refinery output increased by 5½ per cent compared with the corresponding period of 1975. The increase was shared by most of the principal products with the exception of fuel oil, output of which remains below last year's level.

Total deliveries of products during the period March to May were marginally lower (½ per cent) than last year but deliveries of each of the major transport fuels increased, motor spirit by 4 per cent and DERV and aviation turbine fuel by over 4½ per cent. Deliveries of naphtha, used mainly as a petrochemical feedstock, increased by over 13 per cent compared with the corresponding period a year ago.

Supplementary Data

Fuel Prices

Prices for the first quarter of 1976 have been added to the table of industrial fuel prices and some amendments have been made to the previously published figures.

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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. 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 issue of *Energy Trends*. 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	Petroleum ¹	Natural gas	Nuclear electricity	Hydro-electricity	Total	Coal	Petroleum ¹	Natural gas	Nuclear electricity	Hydro-electricity
	<i>Million tons of coal or coal equivalent</i>						<i>Million metric tonnes of oil or oil equivalent</i>					
1973	346.1	131.3	159.4	43.5	9.9	2.0	206.9	78.5	95.3	26.0	5.9	1.2
1974	331.1	116.0	149.0	52.1	11.9	2.1	197.9	69.3	89.0	31.2	7.1	1.3
1975 p	320.5	120.3	132.9	54.5	10.8	2.0	191.5	71.9	79.4	32.6	6.4	1.2
Per cent change	–3.2	+3.7	–10.8	+4.7	–9.7	–7.9	–3.2	+3.7	–10.8	+4.7	–9.7	–7.9
1975 Jan-May	143.3	53.4	58.4	25.7	4.8	1.0	85.6	31.9	34.9	15.3	2.9	0.6
1976 Jan-May p	143.4	52.5	56.2	28.5	5.2	1.0	85.7	31.4	33.6	17.0	3.1	0.6
Per cent change	+0.1	–1.7	–3.7	+11.2	+6.6	+2.6	+0.1	–1.7	–3.7	+11.2	+6.6	+2.6
1975 Mar*	34.3	13.9	13.3	5.7	1.2	0.2	20.5	8.3	7.9	3.4	0.8	0.1
Apr	27.1	9.8	11.5	4.8	0.9	0.1	16.2	5.8	6.9	2.9	0.5	0.1
May	23.3	9.1	9.3	4.1	0.7	0.1	13.9	5.4	5.6	2.4	0.4	0.1
Total	84.7	32.8	34.1	14.6	2.8	0.4	50.6	19.5	20.4	8.7	1.7	0.3
1976 Mar*	35.7	13.2	14.5	6.5	1.3	0.2	21.3	7.9	8.6	3.9	0.8	0.1
Apr	26.0	9.0	10.6	5.2	1.0	0.2	15.6	5.4	6.4	3.1	0.6	0.1
May p	22.9	8.9	8.8	4.2	0.9	0.1	13.7	5.3	5.3	2.5	0.5	0.1
Total	84.6	31.1	33.9	15.9	3.2	0.5	50.6	18.6	20.3	9.5	1.9	0.3
Per cent change	–	–4.9	–0.3	+8.4	+11.8	+46.9	–	–4.9	–0.3	+8.4	+11.8	+46.9

Seasonally adjusted and temperature corrected² (annual rates)

1975 Jan-May	327.4	125.3	135.8	53.7	10.6	2.0	195.7	74.9	81.2	32.1	6.3	1.2
1976 Jan-May p	327.6	123.3	131.6	59.1	11.3	2.3	195.8	73.7	78.7	35.3	6.7	1.4
Per cent change	+0.1	–1.7	–3.1	+10.2	+6.6	+16.6	+0.1	–1.7	–3.1	+10.2	+6.6	+16.6
1975 Mar*	321.6	129.6	123.3	55.9	11.0	1.8	192.2	77.4	73.7	33.4	6.6	1.1
Apr	343.3	127.5	149.0	53.9	11.5	1.4	205.2	76.2	89.0	32.2	6.9	0.9
May	317.9	120.9	132.4	53.5	9.4	1.7	190.0	72.3	79.1	32.0	5.6	1.0
Average	327.1	126.3	134.0	54.5	10.6	1.7	195.5	75.4	80.1	32.6	6.4	1.0
1976 Mar*	335.6	124.3	135.1	63.0	11.1	2.1	200.6	74.3	80.7	37.7	6.6	1.3
Apr	330.4	118.4	138.2	57.9	12.8	3.1	197.5	70.8	82.6	34.6	7.6	1.9
May p	320.9	120.7	131.3	54.3	12.1	2.5	191.8	72.1	78.5	32.5	7.2	1.5
Average	329.5	121.4	134.9	58.8	11.9	2.5	196.9	72.6	80.6	35.1	7.1	1.5
Per cent change	+0.7	–3.9	+0.7	+7.8	+11.7	+52.0	+0.7	–3.9	+0.7	+7.8	+11.7	+52.0

1. Excludes non-energy use of petroleum products 2. Only coal and petroleum are temperature corrected.

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

Million tons
coal equivalent

Million tonnes
oil equivalent

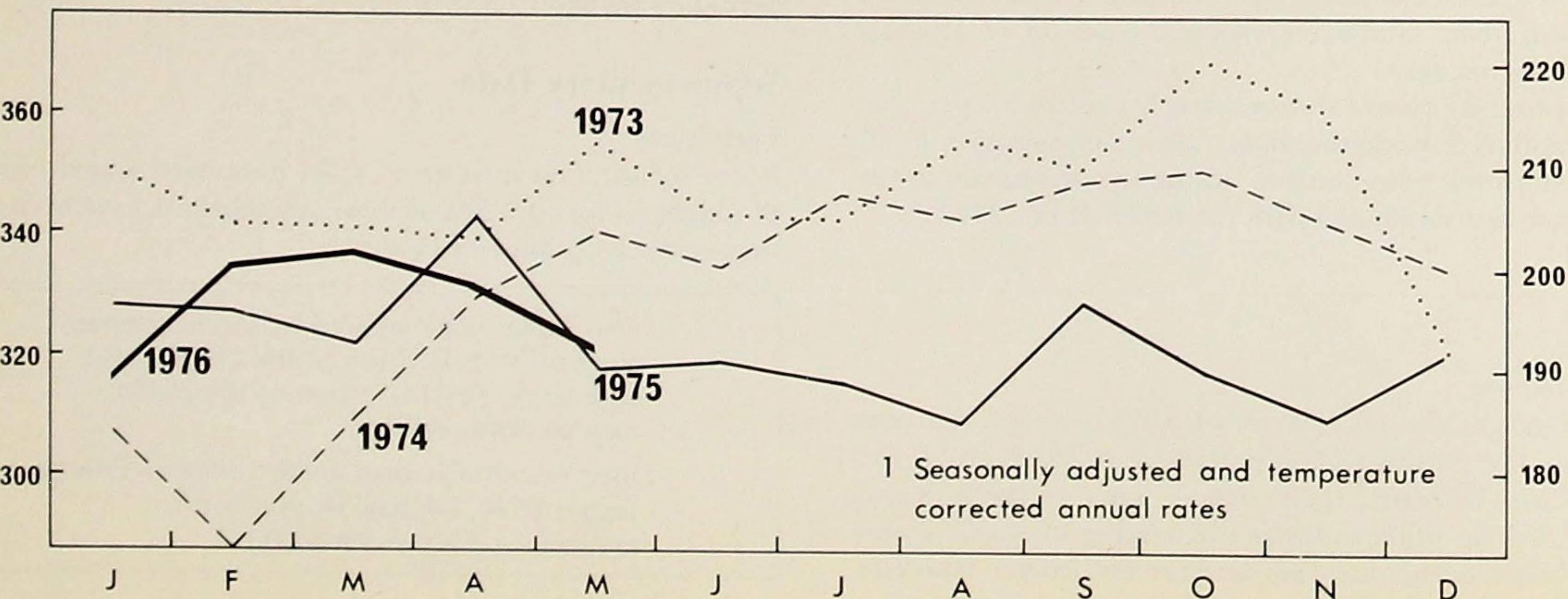


TABLE 2. Inland energy consumption: heat supplied basis

Million therms

	1974	1975	Per cent change	1974				1975 p				1976 p	Per ¹ cent change
				1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	
Total primary ² energy input	83,494	80,584	-3.5	21,866	19,751	17,903	23,974	23,287	18,998	15,955	22,344	23,640	+1.5
Conversion losses etc. ³	25,006	24,747	-1.0	6,293	5,810	5,399	7,504	6,890	5,763	5,008	7,086	6,853	-0.5
Final consumption by user:													
Iron and steel industry													
Coal	99	72	-27.3	23	34	16	26	25	18	10	19	5	-80.0
Other solid fuel ⁴	2,620	2,272	-13.3	564	691	710	655	720	549	459	544	614	-14.7
Other coal-derived fuels ⁵	374	366	-2.1	79	104	96	95	106	96	75	89	99	-6.6
Gas ⁶	395	371	-6.1	110	102	86	97	101	91	79	100	108	+6.9
Electricity	345	344	-0.3	81	87	84	93	94	84	74	92	100	+6.4
Petroleum	1,648	1,357	-17.7	484	366	347	451	449	334	244	330	354	-21.2
Total	5,481	4,782	-12.8	1,341	1,384	1,339	1,417	1,495	1,172	941	1,174	1,280	-14.4
Other industries													
Coal	2,795	2,458	-12.1	514	802	733	746	660	613	528	657	564	-14.5
Other solid fuel ⁴	228	161	-29.4	52	61	52	63	50	48	34	29	41	-18.0
Other coal-derived fuels ⁵	63	94	+49.2	10	18	18	17	21	27	26	20	17	-19.0
Gas ⁶	4,692	4,700	+0.2	1,230	1,148	1,041	1,273	1,295	1,091	1,007	1,307	1,457	+12.5
Electricity	2,244	2,227	-0.8	503	572	551	618	589	540	506	592	619	+5.1
Petroleum	8,433	7,455	-11.6	2,470	1,942	1,619	2,402	2,148	1,777	1,306	2,224	2,269	+5.6
Total	18,455	17,095	-7.4	4,779	4,543	4,014	5,119	4,763	4,096	3,407	4,829	4,967	+4.3
Transport sector													
Coal	24	21	-12.5	7	5	4	8	7	4	3	7	7	-
Electricity	92	101	+9.8	21	23	23	25	27	25	24	25	27	-
Petroleum	12,295	12,143	-1.2	2,744	3,126	3,289	3,136	2,771	3,104	3,225	3,043	2,894	+4.4
Total	12,411	12,265	-1.2	2,772	3,154	3,316	3,169	2,805	3,133	3,252	3,075	2,928	+4.4
Domestic sector													
Coal	3,932	3,371	-14.3	761	1,067	947	1,157	1,010	900	697	764	929	-8.0
Other solid fuel ⁴	1,100	959	-12.8	233	290	281	296	270	229	259	201	284	+5.2
Gas ⁶	5,380	5,891	+9.5	1,978	1,010	695	1,697	2,329	1,119	615	1,828	2,403	+3.2
Electricity	3,157	3,047	-3.5	1,033	670	537	917	1,038	679	487	843	987	-4.9
Petroleum	1,482	1,434	-3.2	514	279	188	501	473	306	194	461	518	+9.5
Total	15,051	14,702	-2.3	4,519	3,316	2,648	4,568	5,120	3,233	2,252	4,097	5,121	-
Other final users ⁷													
Coal	669	518	-22.6	189	142	125	213	136	130	83	169	172	+26.5
Other solid fuel ⁴	373	219	-41.3	87	97	91	98	64	49	63	43	55	-14.1
Gas ⁶	1,269	1,347	+6.1	433	276	173	387	472	310	171	394	570	+20.8
Electricity	1,444	1,554	+7.6	361	321	305	457	461	348	304	441	479	+3.9
Petroleum	3,335	3,355	+0.6	1,092	708	493	1,042	1,081	764	474	1,036	1,215	+12.4
Total	7,090	6,993	-1.4	2,162	1,544	1,187	2,197	2,214	1,601	1,095	2,083	2,491	+12.5
Total final users	58,488	55,837	-4.5	15,573	13,941	12,504	16,470	16,397	13,235	10,947	15,258	16,787	+2.4

Final consumption by fuel:

Coal	7,519	6,440	-14.4	1,494	2,050	1,825	2,150	1,838	1,665	1,321	1,616	1,677	-8.8
Other solid fuel ⁴	4,321	3,611	-16.4	936	1,139	1,134	1,112	1,104	875	815	817	994	-10.0
Other coal-derived fuels ⁵	437	460	+5.3	89	122	114	112	127	123	101	109	116	-8.7
Gas ⁶	11,736	12,309	+4.9	3,751	2,536	1,995	3,454	4,197	2,611	1,872	3,629	4,538	+8.1
Electricity	7,282	7,273	-0.1	1,999	1,673	1,500	2,110	2,209	1,676	1,395	1,993	2,212	+0.1
Petroleum	27,193	25,744	-5.3	7,304	6,421	5,936	7,532	6,922	6,285	5,443	7,094	7,250	+4.7
Total all fuels	58,488	55,837	-4.5	15,573	13,941	12,504	16,470	16,397	13,235	10,947	15,258	16,787	+2.4

1. Per cent change on the corresponding period of the previous year.

2. Thermal equivalent of total energy consumption in Table 1. A more detailed analysis of the annual figures is shown in the Digest of United Kingdom Energy Statistics 1975, Tables 6 and 8.

3. Losses in conversion and distribution and used by fuel industries.

4. Coke and other manufactured solid fuels.

5. Coke oven gas, creosote/pitch mixtures and other liquid fuels derived from coal.

6. Natural gas supplied direct, and town gas.

7. Mainly public administration, commerce and agriculture.

Coal

TABLE 3. Supply

Thousand tons

	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
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
Per cent change	+17.3	+16.5	+17.4	+12.8	+72.5	+43.3	+17.0	+16.9	(-)
1975 Jan-June	67,065	65,919	60,561	5,098	+1,146	2,553	1,407	4,302	189
1976 Jan-June p	64,225	63,175	56,593	5,765	+1,050	1,661	611	5,182	381
Per cent change	-4.2	-4.2	-6.6	+13.1	-8.4	-34.9	-56.6	+20.5	(+)
1975 Apr	10,527	10,232	9,442	750	+295	478	183	773	25
May	11,116	10,756	9,890	826	+360	577	217	70	37
June *	11,076	10,842	9,793	999	+234	372	138	2,138	35
Total	32,719	31,830	29,125	2 575	+889	1,427	538	2,981	97
1976 Apr	9,828	9,679	8,717	824	+149	248	99	840	34
May	10,833	10,544	9,459	997	+289	387	98	46	66
June p*	10,743	10,616	9,257	1,162	+127	224	97	2,116	31
Total	31,404	30,839	27,433	2,983	+565	859	294	3,002	131
Per cent change	-4.0	-3.1	-5.8	+15.8	-36.4	-39.8	-45.4	+0.7	+35.1

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 ¹			
		Primary	Secondary				Colliery disposals			
		Collieries	Power stations ²	Coke ovens	Gas works	Other ³ conversion industries	Industry ⁴	Domestic ⁵ House Coal ⁶	Other ⁷	Other ⁸
1973	131,288	1,359	75,628	21,543	504	3,550	11,890	12,519	1,755	2,540
1974	116,043	1,236	65,967	18,169	105	3,728	10,902	11,848	1,623	2,465
1975	120,303	1,218	73,391	18,783	9	3,999	9,532	9,844	1,609	1,918
Per cent change	+3.7	-1.5	+11.3	+3.4	-91.4	+8.4	-12.6	-16.9	-0.9	-22.2
1975 Jan-June	63,335	661	38,262	10,008	6	1,962	4,958	5,594	898	986
1976 Jan-June p	62,474	605	39,544	9,427	4	1,694	4,326	5,121	642	1,111
Per cent change	-1.4	-8.5	+3.4	-5.8	-33.3	-13.7	-12.7	-8.5	-28.5	+12.7
1975 Apr	9,778	97	5,909	1,578	1	277	708	888	138	182
May	9,116	103	5,291	1,534	1	239	774	882	133	159
June*	9,895	92	5,598	1,771	-	382	894	908	114	136
Total	28,789	292	16,798	4,883	2	898	2,376	2,678	385	477
1976 Apr	9,009	87	5,476	1,501	1	279	643	759	96	167
May	8,938	89	5,315	1,478	-	283	759	774	98	142
June p*	10,099	91	6,032	1,862	-	337	778	768	102	129
Total	28,046	267	16,823	4,841	1	899	2,180	2,301	296	438
Per cent change	-2.6	-8.6	+0.1	-0.9	-50.0	+0.1	-8.2	-14.1	-23.1	-8.2

1. Disposals by collieries and opencast sites. 2. Public supply and railway and transport power stations. 3. Low temperature carbonisation & 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 & commerce.

TABLE 5. Stocks of coal¹ 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
1970	18,729	11,627	9,575	1,434	276	342	7,102	5,266	1,836
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 p	30,666	20,216	17,668	2,296	2	250	10,450	8,767	1,683
1975 Apr	22,112	16,487	13,875	2,323	2	287	5,625	4,088	1,537
May	23,785	17,600	15,054	2,264	2	280	6,185	4,654	1,531
June	25,300	18,885	16,371	2,242	2	270	6,415	4,906	1,509
1976 Apr	30,239	19,034	16,298	2,495	1	240	11,205	9,818	1,387
May	31,966	20,440	17,572	2,626	2	240	11,526	10,065	1,461
June p	32,541	21,167	18,410	2,516	1	240	11,374	9,824	1,550
Absolute change:									
In latest month	+575	+727	+838	-110	-1	-	-152	-241	+89
On a year ago	+7,241	+2,282	+2,039	+274	-1	-30	+4,959	+4,918	+41

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	Number		Per cent			Cwt.		
1970	283	221	25,109	41,581	19.8	4.5	15.3	44.10	141.80
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
1975 Apr	250	197	2,923	1,768	15.4	4.6	10.8	45.84	158.44
May	250	197	1,722	1,650	14.9	3.7	11.2	46.50	163.53
June*	249	197	1,352	2,274	14.9	3.3	11.6	43.48	154.99
1976 Apr	243	194	1,110	1,668	17.7	4.3	13.4	44.59	152.88
May	243	193	1,422	1,496	15.1	3.2	11.9	45.44	156.20
June p*	243	193	1,573	2,012	15.4	3.1	12.3	42.56	151.29

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 primary fuel used		Gas sent out		
	Total into system	Source ¹		Coal	Oil ²	Total	Town gas	Natural 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
Per cent change	+4.5	+3.9	+35.0	(-)	-53.9	+2.8	-53.0	+10.3
1975 Jan-Jun	7,330	7,175	155	6	451	7,435	537	6,898
1976 Jan-Jun p	7,900	7,673	227	4	145	7,896	169	7,727
Per cent change	+7.8	+6.9	+46.5	-31.9	-67.9	+6.2	-68.5	+12.0
1975 Apr	1,157	1,136	21	1	66	1,169	80	1,089
May	958	942	16	1	37	971	56	915
Jun*	927	898	29	-	24	922	44	878
Total	3,042	2,976	66	2	127	3,062	180	2,882
1976 Apr	1,197	1,157	40	1	17	1,198	23	1,175
May	1,001	968	33	-	17	995	16	979
Jun p *	897	868	29	-	9	896	11	885
Total	3,095	2,993	102	1	43	3,089	50	3,039
Per cent change	+1.7	+0.6	+54.5	-50.0	-66.1	+0.9	-72.2	+5.4

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), liquid petroleum gases and refinery gases.

TABLE 8. Sales of gas by the public supply system

Million therms

	Total	Power ¹ stations	Iron and steel industry	Other industries	Domestic	Other ²
1970	5,780	60	244	1,172	3,542	762
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 p	13,112	858	371	4,645	5,891	1,347
Per cent change	+3.5	-12.9	-6.1	+0.2	+9.4	+6.1
1974 1st quarter	4,092	355	110	1,215	1,979	433
2nd quarter	2,742	221	102	1,132	1,011	276
3rd quarter	2,181	198	86	1,028	696	173
4th quarter	3,653	211	97	1,260	1,698	387
1975 1st quarter	4,390	207	101	1,281	2,329	472
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 p	4,765	240	108	1,444	2,403	570
Per cent change	+8.5	+15.9	+6.9	+12.7	+3.2	+20.8

1. Public supply power stations only. 2. Public administration & commerce.

Electricity

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

	Primary 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 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	229.91	18.43	240.37	244.76
1974	110.49	65.97	28.51	3.86	10.28	1.81	250.47	29.40	215.73	18.07	232.40	236.68
1975 p	108.97	73.39	21.14	3.37	9.29	1.64	251.28	26.51	219.74	18.10	233.18	237.01
Per cent change	-1.4	+11.3	-25.9	-12.7	-9.6	-9.4	+0.3	-9.8	+1.9	+0.2	+0.3	+0.1
1975 Jan-May	49.60	32.66	10.54	1.28	4.19	0.88	114.74	11.96	100.30	7.96	106.78	108.48
1976 Jan-May p	48.41	33.51	8.05	1.38	4.50	0.94	113.49	12.98	97.90	8.21	105.28	106.96
Per cent change	-2.4	+2.6	-23.6	+8.1	+7.3	+6.7	-1.1	+8.5	-2.4	+3.1	-1.4	-1.4
1975 Mar*	12.61	8.79	2.30	0.23	1.10	0.17	29.26	3.13	25.64	2.01	27.25	27.67
Apr	8.73	5.91	1.72	0.21	0.81	0.08	20.21	2.30	17.62	1.42	18.79	19.06
May	7.67	5.29	1.48	0.25	0.57	0.07	17.77	1.65	15.85	1.26	16.51	16.76
Total	29.01	19.99	5.50	0.69	2.48	0.32	67.24	7.08	59.11	4.69	62.55	63.49
1976 Mar*	12.10	8.32	2.12	0.32	1.12	0.21	28.44	3.23	24.60	2.04	26.40	26.80
Apr	8.27	5.48	1.44	0.27	0.91	0.17	19.56	2.65	16.43	1.44	18.12	18.43
May p	7.58	5.32	1.23	0.17	0.76	0.10	17.87	2.25	15.31	1.34	16.53	16.82
Total	27.95	19.12	4.79	0.76	2.79	0.48	65.87	8.13	56.34	4.82	61.05	62.05
Per cent change	-3.7	-4.4	-12.9	+10.1	+12.5	+50.0	-2.0	+14.8	-4.7	+2.8	-2.4	-2.3
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	15.90	202.95	205.55
1975 p	94.62	64.67	17.95	3.37	8.40	0.09	219.24	23.94	194.35	15.31	203.93	205.30
Per cent change	-1.5	+10.3	-25.2	-12.7	-10.9	-25.0	+0.2	-11.1	+2.1	-3.6	+0.5	-0.1
1975 Jan-May	43.03	28.77	9.07	1.28	3.82	0.05	100.11	10.87	88.73	6.88	93.23	93.83
1976 Jan-May p	41.82	29.51	6.75	1.38	4.11	0.04	98.58	11.74	86.52	6.88	91.70	92.41
Per cent change	-2.8	+2.6	-25.5	+8.1	+7.6	-15.4	-1.5	+8.0	-2.5	-	-1.6	-1.5
1975 Mar*	11.04	7.80	1.97	0.23	1.01	0.01	25.78	2.87	22.80	1.76	24.02	24.01
Apr	7.57	5.14	1.48	0.21	0.73	0.01	17.61	2.09	15.44	1.22	16.39	16.49
May	6.67	4.64	1.27	0.25	0.50	-	15.52	1.44	14.00	1.08	14.44	14.56
Total	25.28	17.58	4.72	0.69	2.24	0.02	58.91	6.40	52.24	4.06	54.85	55.06
1976 Mar*	10.47	7.32	1.78	0.32	1.03	0.01	24.75	2.95	21.72	1.71	23.04	23.13
Apr	7.17	4.83	1.22	0.27	0.84	0.01	17.04	2.38	14.60	1.22	15.82	15.92
May p	6.58	4.69	1.03	0.17	0.69	-	15.58	2.02	13.53	1.14	14.44	14.56
Total	24.22	16.84	4.03	0.76	2.56	0.02	57.37	7.35	49.85	4.07	53.30	53.61
Per cent change	-4.2	-4.2	-14.6	+10.1	+14.3	-5.3	-2.6	+14.8	-4.6	+0.2	-2.8	-2.6

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
1970	197,751	12,004	67,573	77,038	41,136
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	218,335	11,292	70,927	92,499	43,617
1975 p	218,431	11,172	70,968	89,273	47,018
<i>Per cent change</i>	+0.0	-1.1	+0.1	-3.5	+7.8
1974 1st quarter	59,544	2,668	15,747	30,264	10,865
2nd quarter	50,384	2,871	18,124	19,637	9,752
3rd quarter	45,261	2,727	17,495	15,726	9,313
4th quarter	63,146	3,026	19,561	26,872	13,687
1975 1st quarter p	66,100	3,105	18,644	30,427	13,924
2nd quarter p	50,413	2,734	17,238	19,880	10,561
3rd quarter p	42,121	2,409	16,213	14,263	9,236
4th quarter p	59,797	2,924	18,873	24,703	13,297
1976 1st quarter p	66,099	3,199	19,578	28,906	14,416
<i>Per cent change</i>	-0.0	+3.0	+5.0	-5.0	+3.5

1. Mainly commerce, public administration & agriculture.

Petroleum

TABLE 11. Production, arrivals and shipments¹

Thousand tonnes

	Crude Petroleum							Petroleum products			
	Gross ² Indigenous Production	Refinery Receipts				Arrivals ^{4,5}	Shipments ^{4,5}	Arrivals ⁴	Shipments ⁴	Net Arrivals	Bunkers ⁶
		Total	Indigenous ²	Net arrivals	Other ³						
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 p	1,564	92,273	1,156	+ 89,842	1,275	91,366	1,524	12,461	13,664	-1,203	3,444
Per cent change	(+)	-18.7	(+)	-19.3	-29.5	-19.0	+8.6	-12.6	-5.1	(+)	-27.6
1975 Jan-May	207	38,737	126	38,148	463	38,602	454	5,393	5,056	+337	1,496
1976 Jan-May p	2,730	40,435	2,625	37,202	608	38,177	975	5,227	5,823	-596	1,437
Per cent change	(+)	+4.4	(+)	-2.5	+31.4	-1.1	(+)	-3.1	+15.2	(-)	-3.9
1975 Mar	44	6,581	25	+ 6,520	36	6,559	39	970	1,036	-66	284
Apr	41	7,763	25	+ 7,662	76	7,685	23	1,137	873	+264	298
May	35	7,780	24	+ 7,648	108	7,732	84	699	1,192	-493	287
Total	120	22,124	74	+ 21,830	220	21,976	146	2,806	3,101	-295	869
1976 Mar p	535	7,656	480	+ 7,030	146	7,134	104	1,423	1,091	+332	285
Apr p	644	8,495	619	+ 7,760	116	7,947	187	925	1,353	-428	272
May p	764	8,494	769	+ 7,619	106	7,890	271	984	1,266	-282	303
Total	1,943	24,645	1,868	+ 22,409	368	22,971	562	3,332	3,710	-378	860
Per cent change	(+)	+11.4	(+)	+2.7	+67.3	+4.5	(+)	+18.7	+19.7	+28.1	-1.1

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 pro- ducts 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				
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
Per cent change	-15.9	-13.2	-25.6	-15.9	-9.7	-44.4	-38.5	-4.0	-11.5	-10.4	-15.6	-18.3	-21.6	-1.4
1975 Jan-May	39,821	2,519	435	36,867	638	68	1,771	5,689	1,621	1,083	9,590	14,425	516	836
1976 Jan-May p	40,620	2,667	444	37,509	693	67	1,905	6,017	1,614	1,166	10,464	13,347	516	813
Per cent change	+2.0	+5.9	+2.1	+1.7	+8.7	-2.6	+7.6	+5.8	-0.4	+7.6	+9.1	-7.5	-0.1	-2.8
1975 Mar	7,631	489	115	7,027	120	18	292	1,080	335	243	1,674	2,826	105	190
Apr	7,527	495	56	6,976	137	13	327	1,168	291	187	1,786	2,671	101	163
May	8,100	516	70	7,514	138	9	308	1,304	353	162	2,085	2,729	90	204
Total	23,258	1,500	241	21,517	395	40	927	3,552	979	592	5,545	8,226	296	557
1976 Mar	8,241	548	82	7,611	139	16	384	1,207	362	262	2,142	2,607	124	176
Apr	8,291	535	74	7,682	137	11	373	1,232	333	220	2,132	2,784	104	158
May p	8,051	503	118	7,430	119	10	311	1,272	341	139	2,082	2,677	87	196
Total	24,583	1,586	274	22,723	395	37	1,068	3,711	1,036	621	6,356	8,068	315	530
Per cent change	+5.7	+5.7	+13.9	+5.6	+0.2	-9.1	+15.4	+4.5	+5.8	+4.9	+14.6	-1.9	+6.1	-5.0

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	Bitumen
					Aviation turbine fuel	Burning oil							
						Premier	Standard						
							Domestic	Other ⁶					
1973	99,344	1,600	8,373	16,927	4,202	778	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
Per cent change	-11.6	-9.9	-33.6	-2.2	+3.9	-10.8	-3.5	-8.2	-1.9	-3.9	-17.4	-5.1	-6.7
1975 Jan-May	36,876	579	2,269	6,390	1,450	282	845	181	2,241	6,250	14,865	409	845
1976 Jan-May p	35,595	582	2,298	6,631	1,541	309	831	190	2,302	6,312	13,080	399	788
Per cent change	-3.5	+0.4	+1.3	+3.8	+6.3	+9.8	-1.5	+4.2	+2.7	+1.0	-12.0	-2.4	-6.8
1975 Mar	7,351	117	461	1,265	287	69	187	38	433	1,325	2,856	75	170
Apr	7,505	125	379	1,364	300	60	196	40	480	1,332	2,905	87	183
May	6,294	101	367	1,418	334	16	103	28	453	912	2,244	83	188
Total	21,150	343	1,207	4,047	921	145	486	106	1,366	3,569	8,005	245	541
1976 Mar	7,979	129	471	1,384	308	77	210	46	501	1,506	2,999	84	189
Apr	7,052	111	509	1,461	306	43	153	37	478	1,175	2,479	84	154
May p	6,020	103	387	1,362	350	19	96	24	451	872	2,050	82	169
Total	21,051	343	1,367	4,207	964	139	459	107	1,430	3,553	7,528	250	512
Per cent change	-0.5	+13.3	+13.3	+4.0	+4.6	-3.9	-5.4	+1.0	+4.7	-0.4	-6.0	+2.0	-5.3

1. Calendar months. 2. Including other petroleum gases, aviation spirit, wide-cut gasoline, industrial & white spirits, and paraffin wax. 3. Excluding refinery fuel and miscellaneous products. 4. Including very small amounts for petro-chemicals. 5. Now mainly for petrochemical feedstock. 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
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	13,326	693	3,309	17,251	27,582	3,270	7,954
Per cent change	-10.0	-22.7	-48.2	-17.7	-12.4	-1.2	-3.2	+0.5
1975 Jan-Apr	27,755	5,697	366	1,429	6,802	8,638	1,185	3,638
1976 Jan-Apr p	26,586	4,169	191	1,140	6,952	9,002	1,557	3,575
Per cent change	-4.2	-26.8	-47.8	-20.2	+2.2	+4.2	+31.4	-1.7
1975 Feb	6,633	1,291	111	374	1,674	2,000	356	827
Mar	6,653	1,185	86	333	1,656	2,179	366	848
Apr	6,817	1,232	59	332	1,674	2,340	104	1,076
Total	20,103	3,708	256	1,039	5,004	6,519	826	2,751
1976 Feb	6,677	1,045	45	284	1,812	2,100	415	976
Mar	7,180	1,151	42	317	1,859	2,379	411	1,021
Apr p	6,288	920	50	277	1,545	2,433	377	686
Total	20,145	3,116	137	878	5,216	6,912	1,203	2,683
Per cent change	+0.2	-16.0	-46.5	-15.5	+4.2	+6.0	+45.6	-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
1975 Apr	22.0	113	0.86
May	21.8	115	0.76
Jun	23.0	115	0.87
1976 Apr	18.7	91	0.81
May	19.9	100	0.82
Jun p	20.3	98	0.89

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 ¹	0.500 ²
Million tonnes oil equivalent	0.600	1	0.00235	0.0800 ¹	0.280 ²
Million therms	255	425	1	34.0	115
TWh Electrical energy	7.45	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 the fuel shown.

The Digest of UK Energy Statistics 1975 gives more detailed factors.

SUPPLEMENTARY DATA

Prices of fuels used by Industry¹

	Invoiced to large industrial consumers ²					Realised in new and renewed medium size contracts ³	
	Coal	Heavy Fuel Oil	Gas Oil	Gas	Electricity	Heavy Fuel Oil	Gas Oil
	£ per ton			Pence per therm	Pence per KWh	£ per ton	
1974 1st quarter	8.5	23.6	43.2	2.64	0.855	34.7	52.8
2nd quarter	9.1	33.4	50.6	2.78	0.854	34.2	54.3
3rd quarter	9.8	32.8	51.8	3.03	0.924	33.8	53.1
4th quarter	11.8	33.4	51.6	3.44	1.095	40.7	58.2
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	45.7	70.8

1. Prices for oil products include hydrocarbon oil duty.

2. Derived from the volume and value of all purchases invoiced during each quarter, by a panel of about 800 large users of fuel in manufacturing industry (excluding iron and steel).

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.