## DEPARTMENT OF ENERGY





## DECEMBER 1978

# **Mild Autumn cuts consumption**

#### **Total Energy**

Petroleum consumption continues to rise

During the three month period August to October, total inland energy consumption on a primary fuel input basis was 0.9 per cent lower than during the comparable period a year earlier. Of the individual fuels, petroleum consumption was higher by 4.2 per cent but this was offset by lower consumption of coal and natural gas, down by 2.9 and 4.5 per cent respectively, while the nuclear contribution fell by almost a fifth.

The months of August to October were warmer than a year previously and after allowance is made for temperature differences, the seasonally adjusted statistics indicate that total energy consumption was only 0.3 per cent below last year's level.

#### Stocks still rising

Coal

Deep-mined coal production during the three month period

of 1977, continuing the small but steady increase in demand which has been apparent since the early part of the year.

Total fuel used for generation in the period was just under 25 million tonnes coal equivalent, marginally higher than last year. Coal use rose by 2.6 per cent and oil by over 17 per cent but the use of natural gas was more than halved.

#### Petroleum

#### Refinery output well up

Output of refined products during the three months August to October totalled 23.1 million tonnes an increase of 10.7 per cent on the comparable period of 1977. Of the individual products, output of aviation turbine fuel rose by over a quarter and there were increases of 11.3, 12.9, and 16.6 per cent in motor spirit, fuel oil and naphtha respectively.

During the period, deliveries of all principal products were higher than a year ago with the exception of naphtha and gas diesel oil which fell by 2.9 and 2.8 per cent. Fuel oil deliveries were up by 5.7 per cent and of the transport fuels, motor spirit deliveries rose by six per cent, derv fuel by 4.2 per cent and aviation turbine fuel by 12.9 per cent.

September to November was 3.1 per cent higher than in the comparable period of 1977. Opencast output rose by 1.5 per cent, mainly as a result of a sharp increase in November.

Although total coal consumption during the three month period rose by 0.5 per cent, the increase was wholly attributable to greater use at power stations. All other sectors consumed less than a year ago with colliery disposals to industry down by 7.5 per cent and disposals of housecoal for the domestic market by 7.9 per cent.

Coal stocks continued to increase in November, rising by nearly a million tonnes, to total 35.5 million tonnes at the end of the month, 3.4 million tonnes higher than a year ago.

#### Gas

#### Demand lower in warm November

Total gas sent out in the period September to November was 6.3 per cent lower than in the comparable months last year. By far the greater part of the decline can be attributed to the very mild weather in November when gas sent out was 12 per cent lower than in November 1977.

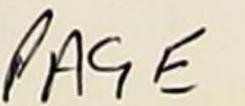
#### Supplementary data Industrial fuel prices

Oil prices in the industrial market continued to fall during the third quarter, both on the basis of overall average deliveries and on the new and renewed contracts basis. All other fuels showed small price increases compared with the second quarter.

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Electricity Continuing slow growth Total electricity supplied during the three month period August to October was 1.8 per cent higher than in the comparable period

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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.

## **Total energy**

TABLE 1: Inland energy consumption: primary fuel input basis

Total	Coal '	Petroleum <sup>2</sup>	Natural <sup>3</sup> gas	Nuclear electricity	Hydro- electricity
Million t	onnes of a	coal or coal eq	uivalent		
				10.1	0.1

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. . .

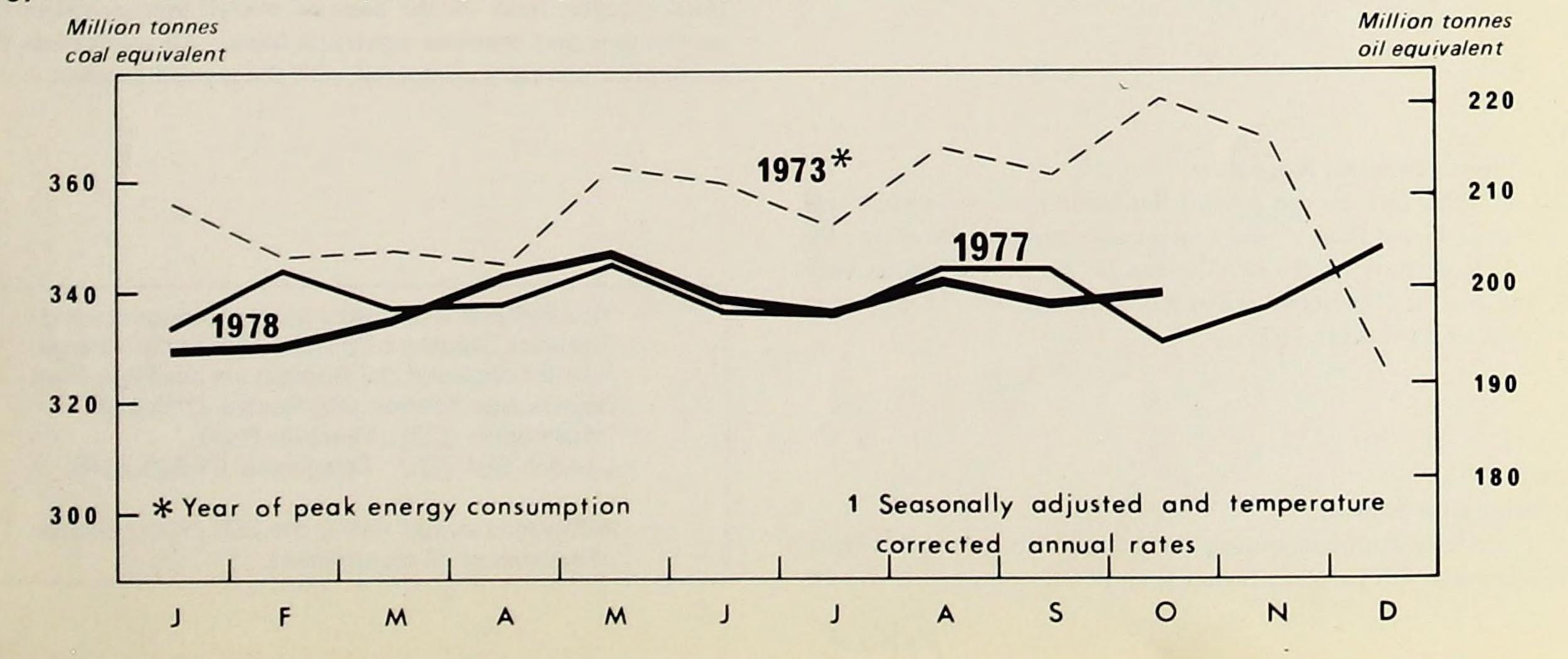
- nil or less than half the final digit shown.
- five-week period. ×
- provisional. p

	Total	Coal	Petroleum <sup>2</sup>	Natural <sup>3</sup> gas	Nuclear electricity	Hydro- electricity		Total	Coal	Petroleum <sup>2</sup>	Natural <sup>3</sup> gas	Nuclear electricity	Hydro- electricity
	Million to	onnes of c	oal or coal eq	uivalent				Million t	onnes of	oil or oil equiv	alent		
1974 1975 1976 1977 Per cent change	337.5 324.8 329.8 338.4 +2.6	117.9 120.0 122.0 122.7 +0.6	152.5 136.5 134.2 136.6 +1.7	52.9 55.4 58.8 62.8 +6.8	12.1 10.9 12.9 14.3 +11.0	2.1 2.0 1.9 2.0 +7.2		198.6 191.1 194.0 199.0 <i>+2.6</i>	69.3 70.6 71.8 72.2 +0.6	89.7 80.3 78.9 80.3 +1.7	31.2 32.6 34.6 36.9 +6.8	7.1 6.4 7.6 8.4 +11.0	1.3 1.2 1.1 1.2 +7.2
1977 Jan – Oct 1978 Jan – Oct p Per cent change	272.4 272.1 0.1	101.2 96.6 4.5	108.9 112.6 +3.4	48.9 50.3 +2.8	11.9 11.0 7.0	1.5 1.6 +3.5		160.2 160.0 <i>0.1</i>	59.5 56.8 4.5	64.0 66.2 +3.4	28.8 29.6 + <i>2.8</i>	7.0 6.5 <i>_7.0</i>	0.9 0.9 + <i>3.5</i>
1977 Aug Sept* Oct	19.9 29.2 24.9	7.3 10.6 9.4	8.5 12.4 9.9	3.0 4.6 4.4	1.0 1.5 1.0	0.1 0.1 0.2		11.8 17.2 14.6	4.3 6.2 5.5	5.0 7.3 5.8	1.8 2.7 2.6	0.6 0.9 0.6	0.1 0.1 0.1
Total	74.0	27.3	30.8	12.0	3.5	0.4		43.6	16.0	18.1	7.1	2.1	0.3
1978 Aug Sept* Oct p	19.9 28.0 25.4	6.9 10.3 9.3	9.1 12.5 10.5	2.9 4.1 4.5	0.9 1.0 0.9	0.1 0.1 0.2		11.7 16.5 14.9	4.1 6.0 5.5	5.3 7.4 6.2	1.7 2.4 2.6	0.5 0.6 0.5	0.1 0.1 0.1
Total	73.3	26.5	32.1	11.5	2.8	0.4		43.1	15.6	18.9	6.7	1.6	0.3
Per cent change	-0.9	-2.9	+4.2	-4.5	-19.7	+5.7		-0.9	-2.9	+4.2	-4.5	-19.7	+5.7
and the second s	Seasonal	ly adjuste	d and tempera	ature corre	cted <sup>4</sup> (annu	al rates)							
1977 Jan-Oct 1978 Jan-Oct p Per cent change	338.9 337.4 0.4	124.2 118.3 4.7	135.8 140.6 + <i>3.5</i>	62.4 62.9 + <i>0.8</i>	14.6 13.6 <i>_7.1</i>	1.9 2.0 + <i>3.1</i>		199.4 198.5 <i>0.4</i>	73.0 69.6 4.7	79.9 82.7 +3.5	36.8 37.0 + <i>0.8</i>	8.6 8.0 -7.1	1.1 1.2 + <i>3.1</i>
1977 Aug Sept* Oct	344.5 344.0 331.2	122.3 121.6 123.6	140.1 140.7 128.2	64.5 63.3 63.9	16.1 16.5 13.5	1.5 1.9 2.0		202.6 202.3 194.8	71.9 71.5 72.7	82.4 82.7 75.4	37.9 37.3 37.6	9.5 9.7 7.9	0.9 1.1 1.2
Average	340.2	122.4	136.7	63.9	15.4	1.8	-	200.1	72.0	80.4	37.5	9.1	1.1
1978 Aug Sept* Oct p	341.6 336.7 339.8	117.1 120.6 121.1	148.6 144.1 138.7	60.5 58.4 65.5	13.8 11.5 12.3	1.6 2.1 2.2		200.9 198.0 199.9	68.9 70.9 71.3	87.4 84.8 81.6	35.6 34.4 38.5	8.1 6.7 7.2	0.9 1.2 1.3
Average	339.1	119.7	143.8	61.2	12.4	2.0		199.5	70.4	84.6	36.0	7.3	1.2
Per cent change	-0.3	-2.2	+5.2	-4.1	-19.5	+9.4		-0.3	-2.2	+5.2	-4.1	-19.5	+9.4

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>



### TABLE 2. Supply and use of fuels

Million therms

TABLE 2. Supply an	ia use of	Tueis					and in the						
					1976			197	7		197	8 p	Per <sup>1</sup>
			Per cent	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	cent
	1976	1977	change	quarter	quarter	quarter	quarter	quarter	quarter	quarter	quarter	quarter	change
PRIMARY FUELS AND EQ		TS:											
Production of primary fuels		29,682	-1.6	7,635	6,378	8,147	7,604	7,514	6,405	8,159	7,643	7,427	-1.2
Coal Petroleum <sup>2</sup>	30,166 5,206	16,350	(+)	1,020	1,335	2,277	3,305	4,214	4,337	4,494	4,839	5,701	+35.3
Natural gas <sup>3</sup>	14,379	15,024	+4.5	2,962	2,173	4,517	4,916	3,459	2,497	4,152	4,939	3,228 906	-6.7 +3.3
Primary electricity	3,411	3,761	+10.3	786	770	929	1,070	877	852	962	1,144	17,262	+7.5
Total	53,162	64,817	+21.9	12,403	10,656	15,870	16,895	16,064	14,091	17,767	18,565 8,892	8,243	-9.6
Arrivals, Petroleum <sup>4</sup> Other	43,174 1,183	35,730	-17.2 +15.5	10,949 336	10,160 270	11,073 226	9,615 195	9,116 199	8,253 371	8,746 601	641	456	(+)
Shipments	9,176	13,841	+50.8	2,068	2,507	2,856	2,973	3,651	3,886	3,331	3,405	3,999	+9.5
Bunkers	1,468	1,168	-20.4	346	381	370	316	309	292	251	240	279	-9.7
Stock change <sup>5</sup>		-					1 050	205	-194	-435	+459	-483	
Solid fuels	-634 -378	+238 +555		-820 -196	-388 -25	+262 511	+1,252 +375		+253	+279	+92	-427	
Crude Petroleum Petroleum products	+240	+424		-431	-367	+390	+564	-225	-309	+394	+185	+215	
Non-energy use	4,448	4,373	-1.7	1,111	1,159	1,040	1,123	1,110	1,109	1,031	1,016	1,018 	-8.3
Statistical difference <sup>o</sup>	+54	-68		-23	-2	+21	-337	+319	-10	40	+6		+0.6
Total primary <sup>7</sup> energy input	81,709	83,680	+2.4	18,693	16,257	23,065	24,147	19,666	17,168	22,699	24,179	19,780	
Conversion losses etc. <sup>8</sup>	24,382	25,148	+3.2	5,597	4,905	6,967	7,274	5,854	5,263	6,757	7,024	5,840	-0.2
Final energy consumption	57,327	58,532	+2.1	13,096	11,352	16,098	16,873	13,812	11,905	15,942	17,155	13,940	+0.9
FINAL CONSUMPTION BY	USER												
Iron and steel industry													74
Coal	66	66	-	14	9	20	23	15	10	18 538	16 553	10 603	-33.3 80
Other solid fuel <sup>9</sup>	2,723	2,394	-12.1	719	670 97	703	663 94	593 89	600 95	84	81	80	-10.1
Other coal-derived fuels <sup>10</sup> Gas <sup>11</sup>	401	485	+10.7	112	99	119	128	125	113	119	118	110	-12.0
Electricity	395	389	-1.5	96	90	109	104	96	92	97	106	107 285	+11.5
Petroleum	1,279	1,205	-5.8	306	273	346	352	286	256	311	336		
Total	5,302	4,901	-7.6	1,356	1,238	1,394	1,364	1,204	1,166	1,167	1,210	1,155	0.7 PK
Other industries Coal	2,277	2,295	+0.8	564	470	696	618	530	483	664	623	507	-4.3
Other solid fuel <sup>9</sup>	126		+23.8	24	27	37	38	38	35	45	51	29	-23.7
Other coal-derived fuels <sup>10</sup>	76		-2.6	23	25	15	19	23 1,373	1,171	13	17	1,429	
Gas <sup>11</sup> Electricity	5,241 2,364	5,458 2,411	+4.1 +2.0	1,236 563	1,083	1,466 638	1,431 645	599	559	608		594	
Petroleum	7,441	7,520	+1.1	1,696	1,400	2,090	2,245	1,774	1,428	2,073	2,150		
Total	17,525	17,914	+2.2	4,106	3,551	4,942	4,996	4,337	3,695	4,886	5,025	4,280	-1.3 f
Transport sector								1	3	7	6	4	_
Coal and other solid fuel	21 98	20		24	22	8 26	6 26	26	23	25		25	and the second se
Electricity Petroleum	12,597	12,931	+2.0	3,198	3,333	3,177	2,988	3,218	3,420			3,458	+7.5
Total	12,716	13,051	+2.6	3,226	3,357	3,211	3,020	3,248	3,446	3,337	3,081	3,487	+7.4
Domestic sector		7	18 13 62		ni-III	-	41392					704	
Coal	3,140			764	634	811 188	850	204	703	904		724	
Other solid fuel <sup>9</sup> Gas <sup>11</sup>	869 6,194	843 6,590		196 1,055		2,050	2,413		771	2,035		1,393	+1.6
Electricity	2,905	2,932	+0.9	585	464	863	972	638	511	811	969	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Petroleum	1,435			268		472	518	295	205		520 5,255		
Total 12	14,543	15,045	+3.5	2,868	2,168	4,384	4,980	3,281	2,413	4,371	5,255	5,220	4
Other final users <sup>12</sup> Coal	516	544	+5.4	113	73	158	166	118	83	177			
Other solid fuel <sup>9</sup>	166	166	-	44	37	34	50	36	45				
Gas <sup>11</sup>	1,521	1,587		317		464 465		380 386	180 346				
Electricity Petroleum	1,597 3,441	1,689		345 721	308 451	1,046		822	531	1,041	1,212		
Total	7,247			1,540		2,167	2,513	1,742	1,185	2,181	2,584	1,750	+0.5 +
Total final users	57,327			13,096	-	16,098	16,873	13,812	11,905	15,942	17,155	13,940	+0.9
FINAL CONSUMPTION B									Т	1			
Coal	6,019	6,154	+2.2	1,459		1,692							
Other solid fuel <sup>9</sup>	3,885			983		963			903				
Other coal derived fuels <sup>10</sup> Gas <sup>11</sup>	477			132		4,099							
Electricity	7,359			1,613		2,101	2,242	1,745	1,531	2,003	2,269		
Petroleum	26,193		+2.1	6,189		7,131							
				1 40 000	11 252	10 000	16 972	12 812	11 905	15 94	17 155	13 94	+09

									Second State of Second State of Second	and the second se			
Total all fuels	57,327	58,532	+2.1	13,096	11,352	16,098	16,873	13,812	11,905	15,942	17,155	13,940	+0.9

Per cent change on the corresponding period of the previous year.
 Crude petroleum and natural gas liquids.
 Excluding gas flared or reinjected.
 Crude petroleum, process oils and petroleum products.
 Stock fall (+) stock rise (-).
 Supply greater than recorded demand (-).
 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.
 Losses in conversion and distribution and used by fuel industries.
 Coke oven gas, creosote/pitch mixtures and other liquid fuels derived from coal.
 Natural gas supplied direct, and town gas.
 Mainly public administration, commerce and agriculture.

## Coal

TABLE 3. Supply

Thousand tonnes

			Production					Tonnage lost (	deep-mined) <sup>3</sup>
	Net inland supply	Total <sup>1</sup>	Deep-mined	Opencast	Net imports	Imports <sup>2</sup>	Exports <sup>2</sup>	Recognised holidays and rest days	Disputes
1974 1975 1976 1977 Per cent change	112,132 131,583 125,201 122,623 2.1	110,451 128,682 123,800 122,150 -1.3	99,992 117,411 110,264 107,123 2.8	9,231 10,414 11,944 13,551 +13.5	+1,681 +2,901 +1,401 +473 -66.2	3,546 5,083 2,837 2,414 	1,865 2,182 1,436 1,941 + <i>35.2</i>	10,518 12,300 12,345 12,457 +0.9	16,253 352 1,157 814 <i>29.6</i>
1977 Jan-Nov 1978 Jan-Nov p Per cent change	109,552 110,550 <i>+0.9</i>	109,166 110,348 <i>+1.1</i>	95,766 95,782 _	12,150 12,851 +5.8	+386 +202 -47.7	2,146 2,226 +3.7	1,760 2,024 + <i>15.0</i>	12,367 12,603 <i>+1.9</i>	745 1,353 +81.6
1977 Sept* Oct Nov	11,030 10,220 10,532	10,908 10,226 10,366	9,356 8,906 9,039	1,502 1,160 1,167	+122 -6 +166	315 132 250	193 138 84	1,499 74 _	82 64 87
Total	31,782	31,500	27,301	3,829	+282	697	415	1,573	233
1978 Sept* Oct Nov p	11,178 10,189 10,952	11,267 10,350 10,932	9,679 9,004 9,466	1,405 1,203 1,279	-89 -161 +20	115 105 272	204 266 252	1,275 134 5	116 76 82
Total	32,319	32,549	28,149	3,887	-230	492	722	1,414	274
Per cent change	+1.7	+3.3	+3.1	+1.5		-29.4	+74.0	-10.1	+17.6

1. Includes an estimate for slurry, etc., recovered and disposed of otherwise than by the National Coal Board. 2. As recorded in the "Overseas Trade Statistics of the United Kingdom". 3. NCB only.

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### TABLE 4. Inland consumption of coal

Thousand tonnes

				Fuel producer	S		Final users <sup>1</sup>				
		Primary		Seco	ndary			Colliery d	isposals		
	Total					Other <sup>3</sup>		Dome	stic		
	inland consumption	Collieries	Power stations <sup>2</sup>	Coke ovens	Gas works	conversion industries	Industry	House coal <sup>4</sup>	Other <sup>5</sup>	Other <sup>6</sup>	
1974 1975 1976 1977 Per cent change	117,887 122,216 123,603 123,978 +0.3	1,256 1,238 1,132 1,124 0.7	67,025 74,569 77,818 79,956 +2.7	18,461 19,085 19,401 17,406 	107 10 8 7 -12.5	3,788 4,063 3,405 3,166 -7.0	11,077 9,685 8,970 9,033 + <i>0.7</i>	11,981 9,915 9,450 9,635 +2.0	1,687 1,703 1,374 1,502 + <i>9.3</i>	2,505 1,948 2,045 2,149 +5.1	
1977 Jan-Nov 1978 Jan-Nov p Per cent change	110,492 106,527 3.6	992 891 - <i>10.2</i>	70,993 70,934 -0.1	15,952 13,520 - <i>15.2</i>	6 5 -16.7	2,819 2,792 -1.0	7,985 7,463 -6.5	8,599 7,793 <i>-9.4</i>	1,331 1,364 <i>+2.5</i>	1,815 1,765 <i>-2.8</i>	
1977 Sep* Oct Nov	10,628 9,402 9,289	79 85 91	6,600 5,926 5,839	1,605 1,235 1,171	- 1 -	329 259 247	791 744 817	903 845 792	167 131 138	154 176 194	
Total	29,319	255	18,365	4,011	1	835	2,352	2,540	436	524	
1978 Sep* Oct Nov p	10,298 9,264 9,915	68 61 61	6,647 6,018 6,563	1,472 1,181 1,190		300 264 260	711 700 765	808 762 770	150 134 151	142 144 155	
Total	29,477	190	19,228	3,843		824	2,176	2,340	435	. 441	
Per cent change	+0.5	-25.5	+4.7	-4.2		-1.3	-7.5	-7.9	-0.2	-15.8	

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. Including miners' coal. 5. Anthracite, dry steam coal and imported naturally smokeless fuels. 6. Mainly public administration and commerce.

#### TABLE 5. Stocks of coal<sup>1</sup> at end of period: Great Britain

Thousand tonnes

			[	Distributed				Undistributed	1
	Total	Total distributed stocks	Power stations	Coke ovens	Gas works	Other	Total undistributed stocks	Collieries	Opencast sites and central stocking grounds
1972	30,459	19,350	17,060	1,920	51	319	11,109	7,679	3,430
1973	27,885	17,035	14,770	1,968	27	270	10,850	7,650	3,200
1974	21,806	15,827	13,629	1,851	3	344	5,979	4,009	1,970
1975	31,157	20,540	17,951	2,333	2	254	10,617	8,908	1,709
1976	33,115	22,457	19,598	2,684	2	173	10,658	9,295	1,363
1977	31,534	21,704	19,128	2,368	2	206	9,830	8,290	1,540
1977 Sep	29,892	20,813	18,717	1,899	1	196	9,079	7,466	1,613
Oct	30,809	21,667	19,409	2,024	1	233	9,142	7,584	1,558
Nov	32,077	21,829	19,389	2,196	1	243	10,248	8,682	1,566
1978 Sep	33,561	22,172	20,422	1,572	1	177	11,389	9,211	2,178
Oct	34,510	22,867	21,106	1,556	1	204	11,643	9,361	2,282
Nov p	35,497	23,401	21,585	1,594	2	220	12,096	9,595	2,501
Absolute change:									
in latest month	+987	+534	+479	+38	+1	+16	+453	+234	+219
On a year ago	+3,420	+1,572	+2,196	-602	+1	-23	+1,848	+913	+935

1. Excluding distributed stocks held in merchants' yards, etc., mainly for the domestic market, and stocks held by the industrial sector.

		e earners on ery books <sup>1</sup>	Recruitment	Wastage	A	bsence percenta	ige <sup>2</sup>	Average output per manshift <sup>3</sup>		
	Total	Underground			Total	Voluntary	Involuntary	Overall	At the face	
	TI	nousands	Num	ber		Per cent		Tonnes		
1972 1973 1974 1975 1976 1977	266 245 246 245 241 239	210 193 194 194 192 189	13,255 17,402 26,436 21,347 17,061 29,361	26,114 37,961 25,133 22,451 21,239 31,647	16.6 18.0 16.3 16.2 17.4 17.6	3.9 4.1 4.1 4.0 3.7 3.9	12.7 13.9 12.2 12.2 13.7 13.7	2.21 2.29 2.18 2.28 2.23 2.18	7.33 7.62 7.56 7.92 7.75 7.77	
1977 Jan–Nov 1978 Jan–Nov p Per cent change	241(4) 237(4) -1.7	192(4) 188(4) -2.1	27,545 19,185 <i>30.4</i>	29,603 25,672 -13.3	17.5 17.2	3.8 4.1	13.7 13.1	2.18 2.25 +3.2	7.76 8.51 +9.7	
1977 Sep* Oct Nov	239 239 239	189 189 189	3,206 2,200 2,114	2,330 2,450 1,885	17.0 17.8 17.5	3.9 4.2 4.2	13.1 13.6 13.3	2.05 2.18 2.16	7.34 7.65 7.65	
1978 Sep* Oct Nov p	234 233 232	185 184 184	1,649 1,316 1,450	2,797 2,196 1,849	17.0 17.6 17.3	4.3 4.5 4.5	12.7 13.1 12.8	2.17 2.28 2.34	8.24 8.49 8.75	

#### TABLE 6. Colliery manpower and productivity at NCB mines

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

4. Average number during the period.

Gas

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

		Natural gas supply	,	Other fuel used		Gas sent out			
	Total into	Sourc	e <sup>1</sup>				Town	Natural <sup>4</sup> gas for direct	
	system	Indigenous	Imported <sup>2</sup>	Coal	Oil <sup>3</sup>	Total	gas	supply	
		Million therms		Thousand	tonnes		Million therms		
1974 1975 1976 1977 Per cent change	13,102 13,692 14,420 15,373 +6.6	12,861 13,367 14,030 14,734 +5.0	241 325 390 639 1.5~ +63.8	107 9 8 7 -5.3	1,276 588 245 166 -32.2	13,451 13,822 14,445 15,323 <i>+6.1</i>	1,598 752 226 75 -66.8	11,853 13,070 14,219 15,248 <i>+7.2</i>	
1977 Jan – Nov 1978 Jan – Nov p Per cent change	13,425 13,697 +2.0	12,964 12,189 29 -6.0	461 (, ) 1,508 3.5 (+)	7 5 28.6	145 260 + <i>79.3</i>	13,382 13,693 +2.3	71 36 49.3	13,311 13,657 +2.6	
1977 Sep* Oct Nov	1,098 1,074 1,434	1,045 968 1,316	53 5 106 118	1 	10 19 18	1,089 1,063 1,432	3 3 4	1,086 1,060 1,428	
Total	3,606	3,329	277	1	47	3,584	10	3,574	
1978 Sep* Oct Nov p	1,050 1,054 1,266	850 845 1,010	200 209 256		19 20 21	1,040 1,057 1,261	3 3 4	1,037 1,054 1,257	
Total	3,370	2,705 055	665	-	60	3,358	10	3,348	
Per cent change	-6.5	-18.7	(+)	-	+27.7	-6.3	-2.2	-6.3	

1. Figures differ from production and imports respectively because of stock changes and small quantities not entering the public supply system.

4. Includes Substitute Natural Gas (SNG).

2. Includes imports from the Norwegian sector of the Frigg gasfield. 3. Mainly naphtha (LDF), liquefied petroleum gases (LPG) and refinery gases.

#### 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
973	10,729	285	396	4,150	4,815	1,083
974	12,668	985	395	4,635	5,384	1,269
975	13,112	858	371	4,645	5,891	1,347
976	13,997	662	438	5,182	6,194	1,521
977	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
976 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
977 1st quarter	4,634	118	128	1,414	2,413	561
2nd guarter	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
978 1st quarter p	5,257	165	118	1,523	2,808	643
2nd quarter p	3,344	25	110	1,413	1,393	403
Per cent change	+0.8	-69.5	12.0	+4.0	+1.6	+6.1

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 use	d					Electrici	ty generate	ed			<b>Fotal</b> <sup>6</sup>
				Natural	Nuclear	Hydro		By stear		Own <sup>5</sup>	Electricity	electricity
	Total <sup>1</sup>	Coal <sup>2</sup>	Oil <sup>2,3</sup>	gas	electricity	electricity	Total <sup>4</sup>	Nuclear	Other	use	supplied	available
	Million	tonnes of a	coal or coa	l equivaler	nt		TWh					-
United Kingdom										10.07	000.40	000.00
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 19.56	235.76 242.48	239.47 246.02
1977	113.98	79.56	17.98	1.76	12.88	1.73	262.04	36.42	220.06			
Per cent change	+3.1	+2.2	+5.5	-31.0	+13.0	+5.5	+2.8	+12.3	+1.2	+2.1	+2.9	+2.7
1977 Jan-Oct	91.56	64.80	13.43	1.32	10.71	1.25	211.11	30.27	176.82	15.94	195.17	198.03
1978 Jan-Oct p	92.53	64.60	15.90	0.88	9.80	1.26	214.42	27.47	183.03	15.25	199.17	202.34
Per cent change	+1.1	-0.3	+18.4	-33.3	-8.5	+0.8	+1.6	-9.3	+3.5	-4.3	+2.0	+2.2
1977 Aug	6.76	4.76	0.76	0.22	0.97	0.05	15.73	2.75	12.77	1.28	14.45	14.74
Sept*	9.68	6.74	1.35	0.16	1.31	0.12	22.02	3.72	17.92	1.72	20.30	20.66
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
Total	24.92	17.40	3.47	0.53	3.19	0.32	57.08	9.09	46.94	4.47	52.61	53.52
1978 Aug	6.89	4.88	1.12	0.02	0.81	0.05	16.01	2.28	13.50	1.23	14.78	15.02
Sept*	9.53	6.78	1.65	0.12	0.85	0.12	21.91	2.38	19.15	1.49	20.42	20.81
Oct p >	8.54	6.19	1.30	0.09	0.79	0.16	19.72	2.23	17.05	1.38	18.34	18.66
Total	24.96	17.85	4.07	0.23	2.45	0.33	57.64	6.89	49.70	4.10	53.54	54.49
Per cent change	+0.2	+2.6	+17.3	-56.6	-23.2	+3.1	+1.0	-24.2	+5.9	-8.3	+1.8	+1.8
England and Wales												
1974	97.63	59.57	24.39	3.92	9.58	0.12	218.85	26.93	190.43	15.89	202.96	205.55
1975	96.14	65.71	18.24	3.42	8.53	0.09	219.25	23.94	194.33	15.32	203.93	206.39
1976	95.80	69.06	14.06	2.55	10.00	0.08	222.12	28.30	193.11	15.94	206.18	207.62
1977	98.34	70.59	14.93	1.76	10.88	0.11	226.99	30.71	195.10	16.26	210.73	213.19
Per cent change	+2.7	+2.2	+6.2	-31.0	+8.8	+37.5	+2.2	+8.5	+1.0	+2.0	+2.2	+2.7
1977 Jan - Oct	79.26	57.70	11.09	1.32	9.02	0.08	183.42	25.44	157.20	13.24	170.18	171.93
1978 Jan-Oct p	80.15	57.69	13.17	0.88	8.24	0.08	.186.30	23.13	162.47	12.79	173.51	175.71
Per cent change	+1.1	()	+18.8	-33.3	-8.6	+2.5	+1.6	-9.1	+3.4	-3.4	+2.0	+2.2
1977 Aug	5.92	4.28	0.61	0.22	0.81	-	13.82	2.31	11.48	1.06	12.76	12.89
Sept*	8.33	5.90	1.12	0.16	1.14	0.01	19.06	3.21	15.77	1.43	17.63	17.94
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
Total	21.57	15.38	2.83	0.53	2.80	0.02	49.67	7.92	41.52	3.74	45.93	46.58
1978 Aug	6.04	4.45	0.88	0.02	0.68	_	14.03	1.92	12.05	1.01	13.02	13.11
Sept*	8.25	6.13	1.35	0.12	0.63	0.01	18.98	1.77	17.14	1.24	17.74	18.10
Oct p	7.40	5.55	1.08	0.09	0.66	0.01	17.16	1.88	15.22	1.18	15.98	16.13
Total	21.69	16.13	3.31	0.23	1.97	0.02	50.17	5.57	44.41	3.43	46.74	47.34
Per cent change	+0.6	+4.9	+17.0	-56.6	-29.6	+5.6	+1.0	-29.7	+7.0	-8.3	+1.8	+1.6

Including coke.
 Including quantities used in the production of steam for sale.
 Including oil used in gas turbine and diesel plant and for lighting up coal fired boilers.
 Including generation by gas turbine, diesel and hydro-electric plant.
 Used in works and for pumping at pumped storage stations.
 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

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		Total	Iron and steel industry	Other industries	Domestic	Other <sup>1</sup>
1972 1973 1974 1975 1976 1977 Per cent	t change	210,417 225,267 218,552 217,924 220,841 225,655 +2.2	$     \begin{array}{r}       10,774 \\       11,646 \\       11,292 \\       11,164 \\       12,607 \\       12,310^2 \\       -2.4 \\     \end{array} $	68,967 75,327 70,967 70,854 74,986 76,561 <sup>2</sup> +2.1	86,889 91,299 92,626 89,214 85,117 85,902 +0.9	43,787 46,995 43,667 46,692 48,131 50,882 +5.7
3	2nd quarter	48,537	3,071	17,910	17,148	10,408
	Brd quarter	43,112	2,875	17,314	13,584	9,339
	4th quarter	62,957	3,453	20,203	25,296	14,005
23	st 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	3,375 <sup>2</sup>	18,852 <sup>2</sup>	18,674	12,149
Per cent change	+1.0	+10.5	-0.7	-0.7	+4.0

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

## Petroleum

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

Thousand tonnes

	Crude Petro	leum								Petroleum Products			
	Gross <sup>2</sup>	Supply			-							Net	
	Indigenous Production		Indigenou	us <sup>2</sup>	Net arrivals	Other	Arriv	als4,5	Shipments4,5	Arrivals <sup>4</sup>	Shipments	Net Arrivals	Bunkers
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			,366	1,524	12,461	13,664	-1,203	3,444
1976	12,036	98,384			+86,181	692		,466	4,285	10,422	15,726	-5,304	3,569
1977	37,879	92,260	37,540		+54,038	682	70	,697	16,659	12,716	13,928	-1,212	2,829
Per cent change	(+)	-6.2	(+)		-37.3	-1.4		1.9	(+)	+22.0	-11.4	()	-20.7
1977 Jan-Oct	31,007	77,616			+46,357	and the second second		,070	13,713	9,816	12,185	-2,369	2,428
1978 Jan-Oct p	42,559	79,482			+36,919			,467	19,548	9,417	11,148	-1,731	2,098
Per cent change	+37.3	+2.4			-20.4			-6.0	+42.6	-4.1	-8.5	507	-13.6
1977 Aug	3,422	7,127			+3,640		100	,635	1,995	953	1,480	-527	234
Sept	3,443	7,280			+3,820			,316	1,496	987	1,111	-124 -308	240
Oct	3,517	8,163			+4,513	64		,993	1,480	906	1,214	-	
Fotal	10,382	22,570			+11,974			,944	4,971	2,846	3,805	-959	681
1978 Aug	4,602	8,044			+3,431			,263	1,832	779 800	1,337 1,645	-558 -845	174
Sept	4,387	7,311			+3,184 +4,312			,234 ,546	2,050 2,234	853	1,263	-410	239
Oct p	4,854	9,035				214		,043	6,116	2,432	4,245	-1,813	617
fotal	13,843	24,390			+10,927							-1,013	-9.5
er cent change	+33.3	+8.1	+27.1		-8.7	+24.9		+0.6	+23.0	-14.5	+11.6		
nd may differ from	n figures publes finery th	ished in Ove	erseas Trade	Statistics	s. 5. Inclu		ss (partly		d) oils. 6. Int		bunkers.		
and may differ from	n figures publ	ished in Ove	erseas Trade	Statistics	s. 5. Inclu	iding proce	ss (partly	refine	d) oils. 6. Int				and ton
1. Calendar months and may differ from TABLE 12. Re	figures publes finery the Through-	roughput	erseas Trade	Statistics	s. 5. Inclu	iding proce	ss (partly		d) oils. 6. Int			Thous	
and may differ from	efinery th Through- put of	roughput Refinery use	t and outp	Statistics	s. 5. Inclu	iding proce	ss (partly	refine Keros Aviat	d) oils. 6. Int	ernational Gas/	bunkers.	Thous Lubri-	
nd may differ from	efinery th Through- put of crude and process	roughput Refinery use	Total output of petrol- eum pro-	Statistics put of Gases Butane and	S. 5. Inclu petroleu Other petro-	Im proce	ss (partly LCts <sup>1</sup> Motor	Keros Aviat turbi	sene ion ine Burning	ernational Gas/ diesel	bunkers.	Thous Lubri- cating	and ton
nd may differ from FABLE 12. Re	efinery th Through- put of crude and process oils	roughput Refinery use	Total output of petrol- eum pro- ducts <sup>2</sup>	Statistics put of Gases Butane and propane	S. 5. Inclu petroleu Other petro- leum	Naphtha (LDF)	ss (partly LCts <sup>1</sup> Motor spirit	Keros Aviat turbi	d) oils. 6. Int	ernational Gas/ diesel oil	bunkers. Fuel oil	Thous Lubri- cating oils	Bitumen
nd may differ from TABLE 12. Re 974	efinery th Through- put of crude and process oils	Fuel Losses	Total output of petrol- eum pro- ducts <sup>2</sup> p 103,060	Statistics put of Gases Butane and propane 1,602	S. 5. Inclus	Im proce	ss (partly LCts <sup>1</sup> Motor spirit 14,520	Keros Aviat turbi fue 4,4	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564	ernational Gas/ diesel oil 27,641	bunkers. Fuel oil 40,022	Thous Lubri- cating oils 1,455	Bitumer 2,129
PABLE 12. Re 974 975	efinery th Through- put of crude and process oils 111,217 93,579 6	Fuel Losses	t and outp t and outp Total output of petrol- ducts <sup>2</sup> p 103,060 86,647	Statistics put of Gases Butane and propane 1,602 1,447	S. 5. Inclust petroleu Other petro- leum 272 151	Naphtha (LDF) 6,448 3,968	ss (partly Acts <sup>1</sup> Motor spirit 14,520 13,940	Keros Aviat turbi fue 3,95	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 2,299	ernational Gas/ diesel oil 27,641 23,324	bunkers. Fuel oil 40,022 32,711	Thous Lubri- cating oils 1,455 1,141	and ton Bitumer 2,129 2,099
INDERING MANAGEMENT	efinery th Through- put of crude and process oils 111,217 93,579 97,784 6	Fuel Losses 5,946 1,211 5,031 901 5,342 1,158	t and output of petrol- ducts <sup>2</sup> p 103,060 86,647 90,284	Statistics put of Gases Butane and propane 1,602 1,447 1,575	S. 5. Inclust petroleu leum 272 151 158	Naphtha (LDF) 6,448 3,968 4,583	ss (partly JCts <sup>1</sup> Motor spirit 14,520 13,940 15,232	refine Keros Aviat turbi fue 4,47 3,98 4,16	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 53 2,458	ernational Gas/ diesel oil 27,641 23,324 24,198	bunkers. Fuel oil 40,022 32,711 32,695	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310	Bitumer 2,129 2,099 1,897
IND May differ from TABLE 12. Re 1974 1975 1976 1977	efinery th Through- put of crude and process oils 111,217 93,579 97,784 93,615 6	Fuel       Losses         5,946       1,211         5,031       901         5,342       1,158         5,238       1,039	t and outp t and outp output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539	S. 5. Inclust petroleum 272 151 158 142	Maphtha (LDF) 6,448 3,968 4,583 4,488	ss (partly <b>Acts</b> <sup>1</sup> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805	refine Keros Aviat turbi fue 4,47 3,99 4,16 4,00	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 63 2,458 64 2,462	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476	bunkers. Fuel oil 40,022 32,711 32,695 30,481	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380	Bitumen 2,129 2,099 1,897 1,882
ABLE 12. Re Para Anno 2013 Para Anno	efinery th Through- put of crude and process oils 111,217 93,579 97,784 93,615 6 93,615 6	Fuel       Losses         5,946       1,211         5,946       1,211         5,342       1,158         5,238       1,039         - 1.6       - 10.3	t and outp t and outp t of petrol- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 -4,4	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 -2.3	5. Inclu petroleu leum 272 151 158 142 142 	Im proce Im produ Naphtha (LDF) 6,448 3,968 4,583 4,583 4,488 2.1	ss (partly <b>Acts</b> <sup>1</sup> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 <i>2.8</i>	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,00 3	d) oils. 6. Int sene ion al Burning oil <sup>3</sup> 75 2,564 59 2,299 63 2,458 64 2,462 .8 +0.2	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3	Bitumen 2,129 2,099 1,897 1,882 –0.8
And may differ from TABLE 12. Re 1974 1975 1976 1977 Per cent change 1977 Jan-Oct	efinery th Through- put of crude and process oils 111,217 93,579 97,784 93,615 6 93,615 6 77,656 5	Fuel       Losses         5,946       1,211         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862	erseas Trade t and outp Total output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 - 4.4	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 -2.3 1,275	5. Inclust petroleu Other petro- leum 272 151 158 142 142 142 10.1	Ing proce Im produ Naphtha (LDF) 6,448 3,968 4,583 4,583 4,488 2.1 3,708	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 2.8 12,329	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,00 3	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 63 2,458 04 2,462 .8 +0.2 21 1,935	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3 1,139	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601
nd may differ from FABLE 12. Re 974 975 976 977 Per cent change 1977 Jan-Oct 1978 Jan-Oct p	efinery th Through- put of crude and process oils 111,217 93,579 97,784 93,615 6 93,615 6 77,656 5 79,611 5	Fuel       Losses         6,946       1,211         6,946       1,211         6,031       901         6,342       1,158         6,238       1,039         - 1.6       - 10.3         5,144       862         5,296       743	erseas Trade t and outp Total output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 - 4.4 71,650 73,572	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 -2.3 1,275 1,275 1,326	5. Inclust petroleu Other petro- leum 272 151 158 142 158 142 10.1 117 121	Ing proce Im produ Naphtha (LDF) 6,448 3,968 4,583 4,583 4,488 2.1 3,708 3,882	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 <i>— 2.8</i> 12,329 13,081	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,00 3	d) oils. 6. Int sene ion ine l Burning oil <sup>3</sup> 75 2,564 59 2,299 63 2,458 64 2,462 .8 +0.2 21 1,935 52 2,053	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,822	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,148	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072	Bitumer 2,129 2,099 1,897 1,882 –0.8 1,601 1,624
ABLE 12. Re ABLE 12. Re 974 975 976 976 977 Per cent change 1977 Jan-Oct 1978 Jan-Oct p Per cent change	efinery th Through- put of crude and process oils 1111,217 93,579 97,784 93,615 6 93,615 6 77,656 79,611 5 +2.5	Fuel       Losses         5,946       1,211         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862         5,296       743         5,296       743         5,296       743	erseas Trade t and output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 - 4.4 71,650 73,572 +2.7	Statistics <b>put of</b> <b>Gases</b> <b>Butane</b> <b>and</b> <b>propane</b> 1,602 1,447 1,575 1,539 <i>—2.3</i> 1,275 1,326 <i>+3.9</i>	5. Inclust petroleu Other petro- leum 272 151 158 142 10.1 117 121 121 +3.2	Iding proce Im produ Naphtha (LDF) 6,448 3,968 4,583 4,583 4,488 2.1 3,708 3,882 +4.7	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 2.8 12,329 13,081 +6.1	refine Keros Aviat turbi fue 4,47 3,99 4,16 4,00 3 3,4 4,00 3	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 53 2,458 54 2,462 .8 +0.2 21 1,935 52 2,053 54 +6.1	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,498 19,822 +1.7	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,148 0.2	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072 -10.6	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624 +1.4
PABLE 12. Re P74 974 975 976 976 977 Per cent change 1977 Jan-Oct 1978 Jan-Oct 1978 Jan-Oct p Per cent change	efinery th Fhrough- put of crude and process oils 111,217 93,579 97,784 93,615 6 93,615 6 79,611 5 +2.5 7,687	Iished in Ove         roughput         Refinery         use         Fuel       Losses         5,946       1,211         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862         5,296       743         43.0       -13.9         531       75	erseas Trade t and outp Total output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 - 4.4 2 71,650 73,572 +2.7 7,081	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 -2.3 1,275 1,326 +3.9 128	5. Inclust petroleu Other petro- leum 272 151 158 142 158 142 117 121 +3.2 11	iding proce im produ Naphtha (LDF) 6,448 3,968 4,583 4,583 4,488 -2.1 3,708 3,882 +4.7 415	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 2.8 12,329 13,081 +6.1 1,313	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,00 3 3,4 4,00 3	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 63 2,458 04 2,462 .8 +0.2 21 1,935 52 2,053 .8 +0.2 21 1,935 52 2,053 .8 +6.1 16 111	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,498 19,822 +1.7 1,921	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,148 0.2 2,330	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624
PABLE 12. Re P74 974 975 976 977 Per cent change 1977 Jan-Oct 1978 Jan-Oct p Per cent change 1977 Aug Sept	efinery th Through- put of crude and process oils 1111,217 93,579 97,784 93,615 6 93,615 6 77,656 79,611 5 +2.5	Iished in Ove         roughput         Refinery         use         Fuel       Losses         5,946       1,211         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,28       82	erseas Trade t and output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 -4.4 86,338 -4.4 71,650 73,572 +2.7 7,081 6,840	Statistics <b>put of</b> <b>Gases</b> <b>Butane</b> <b>and</b> <b>propane</b> 1,602 1,447 1,575 1,539 <i>—2.3</i> 1,275 1,326 <i>+3.9</i>	5. Inclust petroleu Other petro- leum 272 151 158 142 10.1 117 121 121 +3.2	Iding proce Im produ Naphtha (LDF) 6,448 3,968 4,583 4,583 4,488 2.1 3,708 3,882 +4.7	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 2.8 12,329 13,081 +6.1	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,00 3 3,4 4,00 3 3,4 4,00 +18	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 53 2,458 54 2,462 .8 +0.2 21 1,935 52 2,053 54 +6.1	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,498 19,822 +1.7	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,148 0.2	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072 - <i>10.6</i> 116	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624 +1.4 177
PABLE 12. Re P74 974 975 976 977 Per cent change 1977 Jan-Oct 1978 Jan-Oct p Per cent change 1977 Aug Sept Oct	efinery th Through- put of crude and process oils 1111,217 93,579 97,784 93,615 6 97,784 93,615 6 77,656 5 79,611 5 +2.5 7,687 7,687 7,450 7,510	Iished in Ove         roughput         Refinery         use         Fuel       Losses         5,946       1,211         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862         5,236       743         5,236       743         5,236       743         5,236       743         5,237       75         5,28       82         527       38	erseas Trade t and output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 -4.4 90,284 86,338 -4.4 71,650 73,572 +2.7 7,081 6,840 6,945	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 2.3 1,539 2.3 1,275 1,326 +3.9 128 134 134 142	s. 5. Inclu petroleu Other petro- leum 272 151 158 142 158 142 142 117 121 +3.2 11 14	Ing proce Im produce Naphtha (LDF) 6,448 3,968 4,583 4,488 -2.1 3,708 3,882 +4.7 415 327 349	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 – 2.8 12,329 13,081 <i>+6.1</i> 1,313 1,265 1,237	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,00 3 3,4 4,00 +18 34 2	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 63 2,458 04 2,462 .8 +0.2 21 1,935 52 2,053 .4 +6.1 16 111 43 209	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,498 19,822 +1.7 1,921 1,797	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,148 0.2 2,330 2,309	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072 -10.6 116 111	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624 +1.4 177 164
And may differ from TABLE 12. Re 1974 1975 1976 1977 Per cent change 1977 Jan-Oct 1978 Jan-Oct p Per cent change 1977 Aug Sept Oct Total	efinery th Through- put of crude and process oils 111,217 93,579 97,784 93,615 6 97,784 93,615 6 77,656 79,611 5 +2.5 7,687 7,450 7,510 22,647 1	Iished in Ove         roughput         Refinery         use         Fuel       Losses         0,946       1,211         0,031       901         0,342       1,158         0,342       1,158         0,342       1,039         1,031       901         0,342       1,158         0,238       1,039         1,16       -10.3         0,144       862         0,296       743         1,039       -13.9         5,144       862         5,238       1,039         5,144       862         5,296       743         5,296       743         5,296       743         5,28       82         5,27       38         ,586       195	erseas Trade t and outp Total output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 - 4.4 86,338 - 4.4 71,650 73,572 +2.7 7,081 6,840 6,945 20,866	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 -2.3 1,275 1,539 -2.3 1,275 1,326 <i>+3.9</i> 128 134 134 142 404	s. 5. Inclu petroleu Other petro- leum 272 151 158 142 158 142 117 121 +3.2 11 14 11 14 11 14 11	Iding proce Im produ Naphtha (LDF) 6,448 3,968 4,583 4,488 -2.1 3,708 3,882 +4.7 415 327 349 1,091	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 – 2.8 12,329 13,081 <i>+6.1</i> 1,313 1,265 1,237 3,815	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,00 3 3,4 4,00 +18 34 1,0	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 53 2,458 04 2,462 .8 +0.2 21 1,935 52 2,053 6.4 +0.2 21 1,935 52 2,053 6.4 +6.1 16 111 43 209 73 251	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,498 19,822 +1.7 1,921 1,797 1,901 5,619	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,204 25,148 0.2 2,330 2,309 2,354 6,993	<i>Thous</i> Lubricating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072 -10.6 116 111 118 345	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624 +1.4 177 164 179
ABLE 12. Re ABLE 12. Re 974 975 976 977 Per cent change 1977 Jan-Oct 1978 Jan-Oct p Per cent change 1977 Aug Sept Oct Total 1978 Aug	efinery th Through- put of crude and process oils 1111,217 93,579 97,784 93,615 6 93,615 6 79,611 5 +2.5 7,687 7,450 7,450 7,450 7,510 22,647 1 8,278	Iished in Ove         roughput         Refinery         use         Fuel       Losses         5,946       1,211         5,031       901         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862         5,296       743         4.3.0       -13.9         5,144       862         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,28       82         5,28       82         527       38         ,586       195         540       100	erseas Trade t and output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 4.4 271,650 73,572 +2.7 47,081 6,840 6,945 20,866 7,638	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,575 1,539 2.3 1,275 1,539 2.3 1,275 1,539 2.3 1,275 1,326 +3.9 128 134 142 129	s. 5. Inclu petroleu Other petro- leum 272 151 158 142 158 142 	Maphtha (LDF) 6,448 3,968 4,583 4,488 2.1 3,708 3,882 +4.7 415 327 349 1,091 398	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 -2.8 12,329 14,805 -2.8 12,329 13,081 <i>+6.1</i> 1,313 1,265 1,237 3,815 1,450	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,0 3 3,4 4,0 3 4,0 3 1,0 4	d) oils. 6. Int sene ion ine el 0il <sup>3</sup> 75 2,564 59 2,299 53 2,458 04 2,462 .8 +0.2 21 1,935 52 2,053 6.4 +0.2 21 1,935 52 2,053 6.4 +6.1 16 111 43 209 73 251 32 571	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,822 +1.7 1,921 1,921 1,797 1,901 5,619 2,111	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,204 25,148 0.2 2,330 2,309 2,354 6,993 2,450	<i>Thous</i> Lubri- cating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072 -10.6 116 111 118	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624 +1.4 177 164 179 520
Part of the second seco	figures publication         figures publication         Through-         put of         crude         and         process         oils         111,217         93,579         93,615         93,615         93,615         77,656         79,611         77,656         79,611         22,647         8,278         8,278         8,212	Iished in Ove         roughput         Refinery         use         Fuel       Losses         5,946       1,211         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862         5,236       743         -1.6       -10.3         5,144       862         5,238       1,039         -1.6       -10.3         5,144       862         5,238       1,039         5,144       862         5,296       743         5,296       743         5,296       743         5,296       743         5,296       38         5,528       82         527       38         ,586       195         540       100         525       34	erseas Trade t and outp Total output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 - 4.4 271,650 73,572 +2.7 7,081 6,840 6,945 20,866 7,638 7,653	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 -2.3 1,275 1,539 -2.3 1,275 1,326 <i>+3.9</i> 128 134 134 142 404	s. 5. Inclu petroleu Other petro- leum 272 151 158 142 158 142 117 121 +3.2 11 14 11 14 11 14 11	Iding proce Im produ Naphtha (LDF) 6,448 3,968 4,583 4,488 -2.1 3,708 3,882 +4.7 415 327 349 1,091	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 – 2.8 12,329 13,081 <i>+6.1</i> 1,313 1,265 1,237 3,815	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,0 -3 4,16 4,0 -3 4,0 -3 4,0 -3 4,0 -3 4,0 -3 4,0 -3 -3 4,16 4,0 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	d) oils. 6. Int sene ion ine Burning oil <sup>3</sup> 75 2,564 59 2,299 53 2,458 04 2,462 .8 +0.2 21 1,935 52 2,053 6.4 +0.2 21 1,935 52 2,053 6.4 +6.1 16 111 43 209 73 251	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,498 19,822 +1.7 1,921 1,797 1,901 5,619	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,204 25,148 0.2 2,330 2,309 2,354 6,993	<i>Thous</i> Lubricating oils 1,455 1,141 1,310 1,380 +5.3 1,139 1,072 -10.6 116 111 118 345 121	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624 +1.4 177 164 179 520 189
PABLE 12. Re P74 974 975 976 977 Per cent change 1977 Jan-Oct 1978 Jan-Oct p Per cent change 1977 Aug Sept Oct Total 978 Aug Sept	efinery th Through- put of crude and process oils 1111,217 93,579 97,784 93,615 6 93,615 6 79,611 5 +2.5 7,687 7,450 7,450 7,450 7,510 22,647 1 8,278	Iished in Ove         roughput         Refinery         use         Fuel       Losses         5,946       1,211         5,031       901         5,031       901         5,342       1,158         5,238       1,039         -1.6       -10.3         5,144       862         5,296       743         4.3.0       -13.9         5,144       862         5,296       743         5,296       743         5,296       743         5,296       743         5,296       743         5,28       82         5,28       82         527       38         ,586       195         540       100	erseas Trade t and output of petrol- eum pro- ducts <sup>2</sup> p 103,060 86,647 90,284 86,338 4.4 71,650 73,572 +2.7 7,081 6,840 6,945 20,866 7,638 7,653 7,807	Statistics put of Gases Butane and propane 1,602 1,447 1,575 1,539 2.3 1,275 1,539 2.3 1,275 1,326 +3.9 128 134 142 128 134 142 129 139	s. 5. Inclu petroleu Other petro- leum 272 151 158 142 158 142 	Maphtha (LDF) 6,448 3,968 4,583 4,488 2.1 3,708 3,882 +4.7 3,708 3,882 +4.7 415 327 349 1,091 398 428	ss (partly <b>JCts<sup>1</sup></b> <b>Motor</b> <b>spirit</b> 14,520 13,940 15,232 14,805 <i>- 2.8</i> 12,329 13,081 <i>+6.1</i> 1,313 1,265 1,237 3,815 1,450 1,450 1,408	refine Keros Aviat turbi fue 4,4 3,9 4,16 4,0 -3 4,16 4,0 -3 4,0 -3 4,0 -3 4,0 -3 4,0 -3 4,0 -3 -3 4,16 4,0 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	d) oils. 6. Int sene ion ine 9 2,564 59 2,299 53 2,458 54 2,462 .8 +0.2 21 1,935 52 2,053 6.4 +6.1 16 111 43 209 73 251 32 571 90 107 10 206 15 218	ernational Gas/ diesel oil 27,641 23,324 24,198 23,476 3.0 19,498 19,822 +1.7 1,921 1,921 1,797 1,901 5,619 2,111 2,051	bunkers. Fuel oil 40,022 32,711 32,695 30,481 6.8 25,204 25,148 0.2 2,330 2,309 2,354 6,993 2,354 6,993	Thous         Lubricating         oils         1,455         1,141         1,310         1,380         +5.3         1,139         1,072         -10.6         116         111         118         345         121         95	Bitumen 2,129 2,099 1,897 1,882 –0.8 1,601 1,624 +1.4 177 164 179 520 189 172

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>

th.

5

Thousand tonnes

		Butanat				Burning	oil		Gas/die	sel oil			
		Rutana <sup>4</sup>											
		Butane*	Same and the		Aviation		Standard					Lubri-	
	Total <sup>2,3</sup>	and propane	Naphtha (LDF) <sup>5</sup>	Motor spirit	turbine fuel	Premier	Domestic	Other <sup>6</sup>	Derv fuel	Other	Fuel oil	cating oils	Bitumer
974	92,342	1,414	7,700	16,484	3,690	603	1,770	436	5,518	13,581	36,810	1,045	2,241
975	81,667	1,275	5,116	16,125	3,834	538	1,707	400	5,414	13,050	30,470	992	2,089
976	80,291	1,330	5,404	16,879	3,989	576	1,686	372	5,594	12,984	27,825	1,011	1,867
977	81,918	1,320	5,179	17,336	4,165	559	1,677	391	5,711	13.914	27,772	1,029	1,847
er cent change	+2.0	-0.8	-4.2	+2.7	+4.4	-3.0	-0.5	-5.3	: 2.1	+7.2	-0.2	+ 1.8	-1.1
977 Jan-Oct	66,176	1,077	4,382	14,334	3,537	406	1,316	306	4,706	10,956	21,898	864	1,571
978 Jan-Oct p	68,802	1,074	4,159	15,298	3,822	402	1,326	339	4,835	10,886	22,722	855	1,611
er cent change	+4.0	-0.2	-5.1	+6.7	+8.0	-1.0	+0.8	+10.6	+2.7	-0.6	+3.8	-1.0	+2.5
977 Aug	5,728	85	455	1,631	404	10	69	21	452	695	1,592	80	161
Sept	6,390	98	419	1,526	377	28	125	29	491	999	1,923	93	185
Oct	6,563	109	369	1,468	369	31	120	31	488	1,080	2,157	85	165
otal	18,681	292	1,243	4,625	1,150	69	314	81	1,431	2,774	5,672	258	511
978 Aug	6,146	85	468	1,702	446	9	79	20	467	738	1,708	83	177
Sept	6,417	94	354	1,596	449	18	114	27	493	887	1,965	83	181
Oct p	7,055	109	384	1,606	404	34	148	32	531	1,072	2,321	87	184
otal	19,618	288	1,206	4,904	1,299	61	341	79	1,491	2,697	5,994	253	542
er cent change	+5.0	-1.5	-2.9	+6.0	+12.9	-8.9	+8.8	-2.4	+4.2	-2.8	+5.7	-2.1	+6.2

### 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-Sept	52,813	7,347	192	2,181	12,801	21,854	2,285	6,153
1978 Jan-Sept p	54,691	8,386	249	2,091	12,743	23,017	2,262	5,943
Per cent change	+3.6	+14.2	+29.8	-4.1	-0.5	+5.3	-1.0	-3.4
1977 Jul	4,797	672	13	188	943	2,525	108	348
Aug	4,967	566	13	193	1,044	2,659	126	366
Sept	5,609	751	16	246	1,252	2,576	221	547
Total	15,373	1,989	42	627	3,239	7,760	455	1,261
1978 Jul	5,170	730	24	196	1,003	2,729	125	363
Aug	5,281	725	25	165	1,051	2,804	137	374
Sept p	5,670	867	24	214	1,190	2,712	192	471
Total	16,121	2,322	73	575	3,244	8,245	454	1,208
Per cent change	+4.9	+16.7	+74.2	-8.2	+0.2	+6.3	-0.1	-4.3

Calendar months. 2. Excludes non-energy products and non-energy use of naphtha (LDF). 3. Public supply, railway and transport power stations.
 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	Sept	20.9	83	1.02
	Oct	20.9	80	0.98
	Nov	19.3	73	0.82
1978	Sept	18.7	72	1.04
	Oct	18.9	69	1.14
	Nov p	19.9	72	1.14

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	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'	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
<ol> <li>The amount of fue</li> <li>The amount of print</li> <li>The amount of ele</li> </ol>	mary fuel (por ctricity genera	wer station g	rade) to gen nillion units	of fuel show	

The Digest of UK Energy Statistics 1978 gives more detailed factors.

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

			Delivered to	large industria	Realised in new and renewed contracts <sup>3</sup>				
		Coal	Heavy Fuel Oil	Gas Oil	Gas	Electricity	Heavy Fuel Oil <sup>3</sup>	Gas Oil <sup>3</sup>	Gas <sup>4</sup>
			£ per tonne		Pence per therm	Pence per KWh	£ per to	Pence per therm	
	3rd quarter 4th quarter	14.6 15.3	36.9 38.1	49.9 53.0	4.43 4.84	1.249 1.354	38.7 45.6	53.2 69.2	
976	1st quarter 2nd quarter 3rd quarter 4th quarter	17.1 17.5 17.7 19.1	41.5 40.8 42.4 47.1	63.0 61.0 60.7 67.1	5.73 5.72 6.74 7.58	1.453 1.447 1.461 1.592	44.6 43.5 44.5 54.3	69.7 68.4 69.5 80.8	11.3 11.3 11.6
	1st quarter 2nd quarter 3rd quarter 4th quarter	20.0 21.2 22.1 22.3	53.3 56.1 54.8 54.7	76.1 79.8 79.6 80.1	8.58 9.12 9.30 10.13	1.714 1.656 1.676 1.826	55.2 59.1 57.0 55.6	81.9 87.2 84.8 84.2	12.7 13.0 14.4 15.0
	1st quarter 2nd quarter 3rd quarter p	22.6 23.6 24.8	52.8 51.8 50.7	80.6 79.0 77.7	11.13 11.74 11.96	1.952 1.810 1.825	55.0 54.4 53.4	83.3 81.5 81.1	15.3 15.2 15.3

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

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