

# DEPARTMENT OF ENERGY

# ENERGY

# TRENDS

## A Statistical Bulletin



JANUARY 1986



### Total Energy

Total inland energy consumption, on a primary fuel input basis, in the three months September to November 1985 was 3.9 per cent higher than in the corresponding period a year ago. The statistics of coal and oil for final consumption relate mainly to deliveries. Accordingly, the comparisons with a year earlier remain affected by the unusual patterns of supply and stock change experienced during the coal dispute. For instance, consumption of coal in September to November 1985 was 93.6 per cent higher than a year ago, whilst that of petroleum was 32.2 per cent lower. Consumption of natural gas and nuclear electricity rose by 5.4 per cent and 4.7 per cent respectively.

Total consumption on a seasonally adjusted and temperature corrected basis was 1.4 per cent higher, with consumption of coal up by 89.0 per cent, that of petroleum 33.3 per cent lower and natural gas one per cent higher.

### Energy Consumption by Final Users

Provisional data for energy consumption by final users in the third quarter of 1985 show that the total final consumption on a heat supplied basis was 7.0 per cent higher than in the third quarter of 1984. Consumption by the domestic sector rose by 20.2 per cent. There were increases in consumption by the iron and steel industry, industries other than iron and steel and the transport sector of 9.4 per cent, 3.3 per cent and 2.6 per cent respectively. Consumption by other final users rose by 6.5 per cent. Total consumption of coal rose by 47.2 per cent, gas by 6.7 per cent, electricity by 5.0 per cent and petroleum by 0.4 per cent.

### Coal

Provisional figures for the three months September to November 1985 show that total coal production was 30.0 million tonnes, with deep-mined coal accounting for 24.6 million tonnes and opencast 4.3 million tonnes.

Use of home produced and imported coal in this period was 29.2 million tonnes — 93.6 per cent more than in the same period a year ago. Consumption at power stations more than doubled and consumption by coke ovens and other conversion industries was 45.9 per cent higher. Disposals by collieries and opencast sites to industry and to domestic and other final consumers were 32.6 per cent and 18.2 per cent higher respectively.

Total stocks of coal at the end of November 1985 amounted to 36.6 million tonnes, a rise of 0.3 million tonnes during the month but 1.3 million tonnes lower than at the end of November 1984. Stocks at power stations increased by 0.5 million tonnes during the month of November, to 24.9 million tonnes, whilst stocks at collieries and opencast sites fell by 0.3 million tonnes, to 9.7 million tonnes.

### Gas

In the three months September to November 1985 gas sent out by the public supply system rose by 4.4 per cent compared with the same period a year earlier. Indigenous supplies were 75.2 per cent of total, compared with 71.4 per cent in the same months of 1984.

Provisional figures for the third quarter of 1985 show that sales of gas by the public supply system were 5.4 per cent higher than in the same quarter of 1984.

### Electricity

During the period September to November 1985 3.6 per cent more electricity was supplied by the public supply system than in the same period a year earlier. Total fuel used, on a coal equivalent basis, was 2.6 per cent higher.

Provisional figures for sales of electricity by the public supply system in the third quarter of 1985 show an increase of 6.4 per cent compared with the same quarter of 1984.

This month's supplementary data gives details of electricity generated by industry and transport undertakings in Great Britain. Provisional data for the third quarter of 1985 show an overall increase of 13.6 per cent compared with the same quarter of 1984. Generation increased in the iron and steel industry, in the engineering and other metal trades, and the other industries sectors, but decreased in the food, drink and tobacco sector; chemical and allied trades; textiles, leather and clothing; and paper, printing and stationery sectors. Transport undertakings also generated less than in the same period a year earlier.

### Petroleum

Production of crude oil in the three months September to November 1985 was 31.8 million tonnes, 3.2 per cent more than in the corresponding months of 1984. Production of natural gas liquids was 1.3 million tonnes.

Total output of petroleum products in the period was 6.9 per cent lower than a year ago, with increased output of burning oil and lubricating oils more than offset by reduced output of petroleum gases, naphtha, motor spirit, aviation turbine fuel, gas/diesel oil, fuel oil and bitumen. Deliveries of petroleum products for inland consumption in the period were 28.4 per cent lower than a year earlier. Excluding deliveries of fuel oil, which decreased by 71.4 per cent, deliveries of other petroleum products increased by 0.4 per cent. Increased deliveries of naphtha, motor spirit, aviation turbine fuel, burning oil, derv fuel and bitumen offset reduced deliveries of gas/diesel oil (other than derv), butane and propane and lubricating oils.

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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.

Due to rounding the sum of the constituent items may not equal the totals.

Percentage changes relate to the corresponding period a year ago. These comparisons can be affected by calendar differences.

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.

### Symbols used in the tables

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

# Total energy

TABLE 1. Inland energy consumption: primary fuel input basis

	Total	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Natural <sup>3</sup> gas	Nuclear electricity	Hydro electricity
<i>Million tonnes of coal or coal equivalent</i>						
1980	328.7	120.8	121.4	71.1	13.40	2.00
1981	317.2	118.2	110.9	72.1	13.70	2.30
1982	311.9	110.7	111.1	71.7	16.00	2.40
1983	312.9	111.5	106.1	74.8	18.10	2.37
1984	312.2	79.0	135.2	76.5	19.48	2.08
Per cent change	–0.2	–29.2	+27.5	+2.3	+7.6	–12.2
1984 Jan-Nov	275.2	71.1	119.1	66.1	17.18	1.73
1985 Jan-Nov p	290.9	92.8	105.0	71.4	19.96	1.75
Per cent change	+5.7	+30.5	–11.8	+7.9	+16.2	+1.2
1984 Sep*	26.4	4.9	14.8	4.7	1.77	0.08
Oct	23.6	4.9	11.6	5.5	1.45	0.14
Nov	26.2	5.2	12.4	6.8	1.58	0.22
Total	76.2	15.1	38.9	17.0	4.80	0.44
1985 Sept*	27.0	10.2	9.9	4.8	1.96	0.27
Oct	23.5	8.8	7.9	4.9	1.55	0.26
Nov p	28.6	10.2	8.6	8.2	1.52	0.11
Total	79.1	29.2	26.3	17.9	5.02	0.65
Per cent change	+3.9	+93.6	–32.2	+5.4	+4.7	+46.1
<i>Seasonally adjusted and temperature corrected<sup>4</sup> (annual rates)<sup>5</sup></i>						
1984 Jan-Nov	309.9	77.5	134.6	76.2	19.54	2.05
1985 Jan-Nov p	323.9	104.1	115.0	80.3	22.50	2.07
Per cent change	+4.5	+34.3	–14.6	+5.4	+15.1	+0.8
1984 Sep*	313.5	55.9	157.1	78.0	20.27	2.14
Oct	316.2	63.1	153.4	77.9	19.72	2.05
Nov	312.6	62.6	149.8	78.5	19.69	2.05
Average	314.1	60.5	153.4	78.1	19.89	2.08
1985 Sep*	323.7	116.1	103.2	80.3	21.98	2.14
Oct	319.5	116.2	104.7	75.4	20.97	2.18
Nov p	312.5	110.9	98.9	81.2	19.43	2.07
Average	318.5	114.4	102.3	78.9	20.80	2.13
Per cent change	+1.4	+89.0	–33.3	+1.0	+4.5	+2.3

	Total	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Natural <sup>3</sup> gas	Nuclear electricity	Hydro electricity
<i>Million tonnes of oil or oil equivalent</i>						
1980	193.3	71.1	71.4	41.8	7.80	1.20
1981	186.6	69.6	65.2	42.4	8.10	1.30
1982	183.5	65.1	65.4	42.2	9.40	1.40
1983	184.0	65.6	62.4	44.0	10.65	1.39
1984	183.7	46.5	79.5	45.0	11.46	1.22
Per cent change	–0.2	–29.2	+27.5	+2.3	+7.6	–12.2
1984 Jan-Nov	161.9	41.8	70.0	38.9	10.10	1.01
1985 Jan-Nov p	171.1	54.6	61.8	42.0	11.74	1.03
Per cent change	+5.7	+30.5	–11.8	+7.9	+16.2	+1.2
1984 Sep*	15.5	2.9	8.7	2.8	1.04	0.05
Oct	13.9	2.9	6.8	3.2	0.85	0.08
Nov	15.4	3.1	7.3	4.0	0.93	0.13
Total	44.8	8.9	22.9	10.0	2.82	0.26
1985 Sept*	15.9	6.0	5.8	2.8	1.15	0.16
Oct	13.8	5.2	4.7	2.9	0.91	0.15
Nov p	16.8	6.0	5.0	4.8	0.89	0.07
Total	46.6	17.2	15.5	10.5	2.95	0.38
Per cent change	+3.9	+93.6	–32.2	+5.4	+4.7	+46.1
<i>Seasonally adjusted and temperature corrected<sup>4</sup> (annual rates)<sup>5</sup></i>						
1984 Jan-Nov	182.3	45.6	79.2	44.8	11.50	1.21
1985 Jan-Nov p	190.5	61.2	67.6	47.2	13.23	1.22
Per cent change	+4.5	+34.3	–14.6	+5.4	+15.1	+0.8
1984 Sep*	184.4	32.9	92.4	45.9	11.92	1.26
Oct	186.0	37.1	90.2	45.8	11.60	1.21
Nov	183.9	36.8	88.1	46.2	11.58	1.21
Average	184.7	35.6	90.2	46.0	11.70	1.22
1985 Sep*	190.4	68.3	60.7	47.2	12.93	1.26
Oct	187.9	68.4	61.6	44.4	12.34	1.28
Nov p	183.8	65.2	58.2	47.8	11.43	1.22
Average	187.4	67.3	60.2	46.4	12.23	1.25
Per cent change	+1.4	+89.0	–33.3	+1.0	+4.5	+2.3

1. Consumption by fuel producers plus disposals (including imports) to final users, plus (for annual figures only) net foreign trade and stock change in other solid fuels. 2. Inland deliveries for energy use plus refinery fuel and losses minus the differences between deliveries and actual consumption at power stations and gas works. 3. Including non-energy use and excluding gas flared or re-injected. 4. Coal, petroleum and natural gas are temperature corrected. 5. For hydro electricity the estimated annual out-turn.

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

Million tonnes coal equivalent

Million tonnes oil equivalent

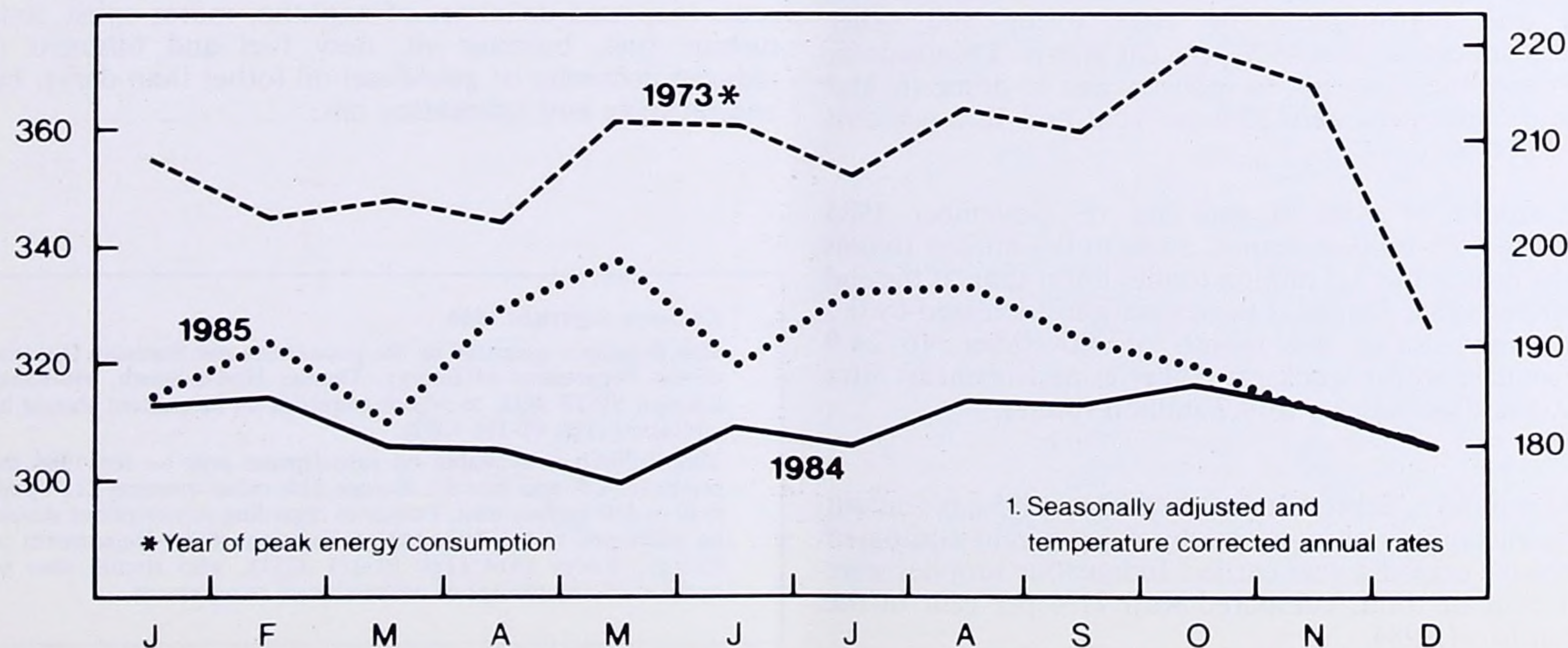




TABLE 2. Supply and use of fuels

Million therms

			Per cent change	1983	1984				1985p			Per <sup>1</sup> cent change
	1983	1984		4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	
PRIMARY FUELS AND EQUIVALENTS												
Production of primary fuels												
Coal	28,859	12,195	- 57.7	7,467	5,162	2,174	2,183	2,676	3,624	6,070	6,274	(+)
Petroleum <sup>2</sup>	49,814	54,643	+ 9.7	13,563	13,838	13,176	13,194	14,442	14,308	13,452	13,242	+ 0.4
Natural gas <sup>3</sup>	14,442	14,118	- 2.2	4,008	5,320	2,676	1,880	4,123	5,786	3,096	2,176	+ 15.7
Primary electricity	4,708	4,958	+ 5.3	1,258	1,351	1,178	1,039	1,388	1,625	1,307	1,270	+ 22.2
Total	97,823	85,914	- 12.2	26,296	25,671	19,204	18,296	22,629	25,343	23,925	22,961	+ 25.5
Arrivals, Petroleum <sup>4</sup>	17,286	23,480	+ 35.8	4,538	3,966	5,869	6,362	7,281	6,905	4,400	4,691	- 26.3
Other	5,722	8,172	+ 42.8	1,770	1,997	2,001	1,656	2,480	2,592	2,261	1,670	+ 0.8
Shipments	37,893	40,872	+ 7.9	10,762	10,590	9,121	9,939	11,219	11,219	10,413	10,570	+ 6.4
Marine Bunkers	841	941	+ 11.9	209	171	229	303	239	212	221	249	- 17.6
Stock change <sup>5</sup>												
Solid fuels	- 1,274	+ 4,701		+ 88	+ 2,604	+ 1,246	+ 320	+ 532	+ 773	+ 311	- 401	
Crude Petroleum	+ 229	+ 288		+ 435	+ 456	- 568	+ 29	+ 371	+ 129	- 50	+ 202	
Petroleum products	+ 172	+ 78		- 17	+ 31	- 10	+ 16	+ 38	+ 378	- 91	+ 79	
Natural gas	-	-		-	-	-	-	-	-	- 44	- 100	
Non-energy use	3,424	3,512	+ 2.6	756	923	856	876	869	867	851	962	+ 9.8
Statistical difference <sup>6</sup>	- 139	+ 44		- 329	+ 232	- 234	+ 136	+ 134	+ 367	- 617	- 695	
Total primary <sup>7</sup> energy input	77,661	77,352	- 0.4	21,056	23,274	17,301	15,697	21,138	24,189	18,610	16,625	+ 5.9
Conversion losses etc. <sup>8</sup>	23,508	23,300	- 0.9	6,295	6,735	5,161	5,044	6,399	7,054	5,691	5,224	+ 3.6
Final energy consumption	54,153	54,052	- 0.2	14,761	16,539	12,140	10,653	14,739	17,135	12,919	11,401	+ 7.0
FINAL CONSUMPTION BY USER <sup>9</sup>												
Iron and steel industry												
Coal	18	14	- 22.2	5	6	4	2	2	3	2	1	- 33.3
Other solid fuel <sup>10</sup>	1,607	1,634	+ 1.7	400	450	369	391	423	426	480	438	+ 12.0
Other coal derived fuels <sup>11</sup>	215	207	- 3.7	54	52	43	50	64	68	71	71	+ 41.0
Gas <sup>12</sup>	342	387	+ 13.2	88	101	97	85	103	92	98	85	-
Electricity	312	309	- 1.0	81	85	79	70	76	79	79	69	- 1.3
Petroleum	430	357	- 17.0	107	112	93	68	85	103	72	64	- 5.4
Total	2,924	2,908	- 0.5	734	805	684	666	755	771	802	728	+ 9.4
Other industries												
Coal	1,851	1,554	- 16.6	509	427	359	341	424	418	465	451	+ 32.1
Other solid fuel <sup>10</sup>	124	119	- 4.0	27	28	26	31	25	25	14	19	- 38.1
Other coal derived fuels <sup>11</sup>	47	14	- 70.2	12	12	5	2	7	7	8	6	(+)
Gas <sup>12</sup>	5,433	5,608	+ 3.2	1,487	1,667	1,307	1,113	1,531	1,612	1,388	1,159	+ 4.1
Electricity	2,219	2,340	+ 5.5	577	616	560	553	611	645	579	559	+ 1.0
Petroleum	4,329	3,942	- 8.9	1,175	1,223	884	754	1,081	1,283	768	694	- 8.0
Total	14,003	13,567	- 3.1	3,786	3,974	3,142	2,795	3,680	3,991	3,223	2,888	+ 3.3
Transport sector												
Coal and other solid fuel	7	1	- 85.7	0	1	0	0	0	1	0	0	(-)
Electricity	98	98	-	25	26	25	23	24	27	25	23	+ 2.5
Petroleum	14,210	14,900	+ 4.9	3,551	3,458	3,751	3,920	3,769	3,477	3,829	4,021	+ 2.6
Total	14,315	14,999	+ 4.8	3,577	3,486	3,776	3,943	3,794	3,505	3,853	4,045	+ 2.6
Domestic sector												
Coal	2,301	1,879	- 18.3	585	570	381	366	560	583	680	627	+ 71.2
Other solid fuel <sup>10</sup>	586	422	- 28.0	129	144	87	81	105	138	152	128	+ 55.7
Gas <sup>12</sup>	8,871	8,931	+ 0.7	2,790	3,719	1,656	902	2,655	4,074	1,781	972	+ 7.8
Electricity	2,830	2,863	+ 1.2	608	917	621	523	803	964	649	558	+ 6.8
Petroleum	900	947	+ 5.2	275	314	184	171	277	325	140	172	+ 0.5
Total	15,488	15,042	- 2.9	4,585	5,663	2,930	2,044	4,399	6,084	3,402	2,457	+ 20.2
Other final users <sup>13</sup>												
Coal	463	453	- 2.2	143	135	101	77	139	144	97	78	+ 1.3
Other solid fuel <sup>10</sup>	131	119	- 9.2	31	32	29	26	31	44	41	38	+ 50.3
Gas <sup>12</sup>	2,260	2,329	+ 3.1	668	950	458	223	699	1,051	511	263	+ 17.9
Electricity	2,027	2,102	+ 3.7	542	612	479	451	558	640	511	491	+ 8.9
Petroleum	2,542	2,533	- 0.4	693	881	541	428	684	905	478	413	- 3.5
Total	7,423	7,536	+ 1.5	2,078	2,612	1,609	1,205	2,111	2,785	1,638	1,284	+ 6.5
Total final users	54,153	54,052	- 0.2	14,761	16,539	12,140	10,653	14,739	17,135	12,919	11,401	+ 7.0
FINAL CONSUMPTION BY FUEL <sup>9</sup>												
Coal	4,640	3,891	- 16.1	1,242	1,139	845	786	1,124	1,149	1,244	1,157	+ 47.2
Other solid fuel <sup>10</sup>	2,447	2,293	- 6.3	588	653	512	529	586	633	687	622	+ 17.6
Other coal derived fuels <sup>11</sup>	261	220	- 15.7	66	64	48	53	71	76	80	77	+ 46.0
Gas <sup>12</sup>	16,906	17,255	+ 2.1	5,033	6,437	3,518	2,323	4,988	6,829	3,778	2,479	+ 6.7
Electricity	7,486	7,713	+ 3.0	2,031	2,257	1,764	1,620	2,073	2,355	1,844	1,701	+ 5.0
Petroleum	22,412	22,680	+ 1.2	5,802	5,989	5,453	5,342	5,896	6,093	5,286	5,364	+ 0.4
Total all fuels	54,153	54,052	- 0.2	14,761	16,539	12,140	10,653	14,739	17,135	12,919	11,401	+ 7.0

1. Per cent change on the corresponding period of the previous year. 2. Crude petroleum and natural gas liquids. 3. Excluding gas flared or re-injected. 4. Crude petroleum, process oils and petroleum products. 5. Stock fall (+) and 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 1984 figures is shown in the Digest of United Kingdom Energy Statistics 1985 Tables 4 and 6. 8. Losses in conversion and distribution and use by fuel industries. 9. Deliveries except for gas, electricity, and iron and steel industry use of solid fuels. 10. Coke and other manufactured solid fuels. 11. Coke oven gas and creosote/pitch mixtures. 12. Natural gas, supplied direct, and town gas. 13. Mainly public administration, commerce and agriculture.



# Coal

TABLE 3. Coal production, foreign trade and deep-mined tonnage lost

Thousand tonnes

	Production			Net imports	Imports <sup>2</sup>	Shipments <sup>3</sup>	Tonnage lost (deep-mined) <sup>4</sup>	
	Total <sup>1</sup>	Deep-mined	Opencast				Recognised holidays and rest days	Disputes
1980	130,097	112,430	15,779	+ 3,525	7,334	3,809	12,039	1,226
1981	127,469	110,473	14,828	- 4,823	4,290	9,113	13,204	1,191
1982	124,711	106,161	15,266	- 3,384	4,063	7,447	12,401	3,468
1983	119,254	101,742	14,706	- 2,105	4,456	6,561	12,021	4,499
1984	51,182	35,243	14,306	+ 6,601	8,894	2,293	11,083	64,972
Per cent change	- 57.1	- 65.4	- 2.7		+ 99.6	- 65.1	- 7.8	(+)
1984 Jan-Nov	47,330	32,733	13,065	+ 5,669	7,896	2,227	9,119	58,957
1985 Jan-Nov p	83,988	66,798	14,365	+ 9,673	11,785	2,112	7,108	14,007
Per cent change	+ 77.5	(+)	+ 10.0		+ 49.3	- 5.2	- 22.1	- 76.2
1984 Sep*	3,880	2,331	1,432	+ 993	1,032	39	993	7,232
Oct	3,527	2,167	1,201	+ 992	1,038	46	13	6,039
Nov	3,637	2,318	1,113	+ 1,127	1,175	48	0	6,257
Total	11,044	6,816	3,746	+ 3,112	3,245	133	1,006	19,528
1985 Sep*	10,789	8,747	1,564	+ 496	930	434	783	94
Oct	9,584	7,820	1,402	+ 740	1,025	285	10	45
Nov p	9,607	8,043	1,314	+ 1,065	1,299	234	0	48
Total	29,979	24,611	4,280	+ 2,301	3,254	953	793	186
Per cent change	(+)	(+)	+ 14.3		+ 0.3	(+)	- 21.2	- 99.0

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. 3. Shipments as recorded by the NCB; the figures may differ from those published in the Overseas Trade Statistics. 4. NCB only.

TABLE 4. Inland coal use

Thousand tonnes

	Total	Fuel producers (consumption)				Final users (disposals by collieries and opencast sites)			
		Primary	Secondary			Industry <sup>3</sup>	Domestic		Other <sup>6</sup>
		Collieries	Power stations <sup>1</sup>	Coke ovens	Other <sup>2</sup> conversion industries		House coal <sup>3 4</sup>	Other <sup>5</sup>	
1980	123,460	663	89,569	11,610	3,022	7,841	7,262	1,684	1,809
1981	118,386	616	87,226	10,805	2,458	6,990	6,851	1,603	1,837
1982	110,998	534	80,228	10,406	2,326	7,122	6,719	1,756	1,907
1983	111,475	486	81,565	10,448	2,114	7,193	6,212	1,660	1,797
1984	77,309	209	53,411	8,246	1,300	6,003	4,844	1,562	1,733
Per cent change	- 30.6	- 56.9	- 34.5	- 21.1	- 38.5	- 16.5	- 22.0	- 5.9	- 3.6
1984 Jan-Nov	71,120	192	49,642	8,518		5,488	4,345	1,400	1,534
1985 Jan-Nov p	92,841	284	64,667	12,001 <sup>7</sup>		6,594	5,849	1,937	1,511
Per cent change	+ 30.5	+ 47.4	+ 30.3	+ 40.9		+ 20.1	+ 34.6	+ 38.3	- 1.5
1984 Sep*	4,935	9	2,989	814		517	326	147	133
Oct	4,927	15	2,888	739		529	414	179	163
Nov	5,241	9	2,991	824		592	513	142	170
Total	15,103	33	8,868	2,377		1,639	1,253	468	466
1985 Sep*	10,178	31	7,125	1,317		755	586	219	146
Oct p	8,829	25	6,208	1,063 <sup>7</sup>		707	512	188	127
Nov p	10,232	29	7,593	1,089 <sup>7</sup>		713	493	151	163
Total	29,239	86	20,926	3,469 <sup>7</sup>		2,174	1,591	559	435
Per cent change	+ 93.6	(+)	(+)	+ 45.9		+ 32.6	+ 27.0	+ 19.4	- 6.7

1. Public supply and railway and transport power stations. 2. Gas works, low temperature carbonisation and patent fuel plants. 3. For 1984 onwards, includes estimated proportion of total imports. 4. Including miners' coal. 5. Anthracite, dry steam coal and imported naturally smokeless fuels. 6. Includes public administration and commerce. 7. Partly estimated.

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

Thousand tonnes

	Total	Distributed				Undistributed		
		Total distributed stocks	Power stations	Coke ovens	Other	Total undistributed stocks	Collieries	Opencast sites
1980	37,687	20,370	18,616	1,611	143	17,317	13,091	4,226
1981	42,253	20,136	18,263	1,730	143	22,117	17,435	4,682
1982	52,377	30,422	28,291	1,992	139	21,955	17,675	4,280
1983	57,960	33,964	31,907	1,786	271	23,996	18,909	5,088
1984	36,548	15,794	14,402	1,199	193	20,753	10,969	9,784
1984 Sep	38,954	16,854	15,564	1,122	169	22,100	13,095	9,005
Oct	38,516	16,881	15,484	1,202	195	21,635	12,313	9,322
Nov	37,845	16,759	15,323	1,241	195	21,085	11,565	9,520
1985 Sep	34,830	23,957	22,289	1,448	220	10,874	6,145	4,729
Oct	36,281	26,247	24,418	1,622	207	10,033	5,771	4,262
Nov p	36,554	26,856	24,877	1,799	180	9,698	5,756	3,943
Absolute change: in latest month	+ 273	+ 609	+ 459	+ 177	- 27	- 335	- 15	- 319
on a year ago	- 1,291	+ 10,097	+ 9,554	+ 558	- 15	- 11,387	- 5,809	- 5,577

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				Absence percentage			Average output per manshift worked <sup>4</sup>		
	Total <sup>1</sup>	Underground <sup>1</sup>	Recruitment	Wastage	Total	Voluntary <sup>2</sup>	Involuntary <sup>3</sup>	Overall	Underground	
									Total	Production <sup>5</sup>
	Thousands		Number		Per cent			Tonnes		
1980	228	182	14,749	19,383	13.1	4.1	9.0	2.32	2.95	9.05
1981	215	174	6,123	18,771	11.4	3.5	7.9	2.38	3.00	9.43
1982	206	167	6,709	16,327	10.6	3.6	7.0	2.41	3.03	9.88
1983	187	152	3,180	22,218	10.6	3.4	7.2	2.51	3.14	10.58
1984	174	141	1,511	14,001	7.9	1.5	6.4	2.24	2.77	10.31
Per cent change	- 6.8	- 6.9	- 52.5	- 37.3				- 10.6	- 11.7	- 2.6
1984 Jan-Nov	178 <sup>6</sup>	145 <sup>6</sup>	1,371	13,408	8.2	1.5	6.6	2.25	2.77	10.23
1985 Jan-Nov p	164 <sup>6</sup>	133 <sup>6</sup>	3,498	25,479	10.8	3.1	7.8	2.44	3.07	11.16
Per cent change	- 8.1	- 8.2	( + )	+ 90.0				+ 8.4	+ 10.6	+ 9.0
1984 Sep*	175	142	238	841	6.2	0.9	5.4	2.34	2.87	11.10
Oct	175	142	165	634	6.1	0.9	5.1	2.41	2.96	11.53
Nov	174	142	230	578	5.8	1.0	4.9	2.36	2.94	11.68
1985 Sep*	155	126	463	2,488	12.8	3.7	9.1	2.71	3.39	11.63
Oct	154	125	345	1,801	13.1	3.8	9.3	2.84	3.55	12.26
Nov p	152	124	290	2,255	12.9	3.6	9.3	2.90	3.62	12.78

1. At the end of period. 2. Absence for which no reason has been given (ie excludes absence through industrial disputes). 3. Absence mainly for sickness or injury. 4. Saleable deep-mined revenue coal. 5. Output from production faces divided by production manshifts. 6. Average numbers during the period.

## Gas

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

	Natural gas supply					Gas sent out
	Total into system <sup>1</sup>	Source				
		Indigenous	Imported	Indigenous	Imported	
	Million therms			Percentage of total		Million therms
1980	17,075	13,116	3,959	76.8	23.2	17,105
1981	17,153	12,899	4,254	75.2	24.8	17,130
1982	16,806	12,905	3,901	76.8	23.2	16,740
1983	17,344	13,090	4,254	75.5	24.5	17,204
1984	17,884	12,893	4,992	72.1	27.9	17,788
Per cent change	+ 3.1	- 1.5	+ 17.3			+ 3.4
1984 Jan-Nov	15,540	11,142	4,398	71.7	28.3	15,450
1985 Jan-Nov p	16,956	12,558	4,399	74.1	25.9	16,672
Per cent change	+ 9.1	+ 12.7	—			+ 7.9
1984 Sep*	1,101	767	333	69.6	30.4	1,090
Oct	1,273	908	365	71.3	28.7	1,258
Nov	1,595	1,159	436	72.7	27.3	1,582
Total	3,969	2,834	1,135	71.4	28.6	3,930
1985 Sep*	1,131	805	326	71.2	28.8	1,054
Oct p	1,179	882	297	74.8	25.2	1,116
Nov p	1,948	1,513	435	77.7	22.3	1,931
Total	4,258	3,200	1,058	75.2	24.8	4,101
Per cent change	+ 7.3	+ 12.9	- 6.8			+ 4.4

1. Figures differ from Gas sent out because of stock changes and the inclusion of small quantities of Substitute Natural Gas and Town Gas in Gas sent out. They include gas put to storage, but to avoid double counting, exclude gas withdrawn from storage to the system. The figures also differ from total consumption (expressed in coal or oil equivalent in Table 1) because of producers own use and losses and small quantities not entering the public supply system.

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>
1980	16,630	140	451	5,539	8,439	2,061
1981	16,622	78	409	5,261	8,764	2,110
1982	16,657	76	365	5,319	8,719	2,178
1983	16,844	77	342	5,295	8,871	2,260
1984	17,302	178	387	5,477	8,931	2,329
Per cent change	+2.7	(+)	+13.2	+3.4	+0.7	+3.1
1983 3rd quarter	2,190	18	77	1,043	836	215
4th quarter	5,014	20	88	1,448	2,790	668
1984 1st quarter	6,417	21	101	1,626	3,719	950
2nd quarter	3,504	19	97	1,274	1,655	458
3rd quarter	2,336	45	85	1,081	902	222
4th quarter	5,045	92	103	1,496	2,655	699
1985 1st quarter p	6,874	83	92	1,574	4,074	1,051
2nd quarter p	3,796	57	98	1,350	1,781	511
3rd quarter p	2,462	29	85	1,113	972	263
Per cent change <sup>3</sup>	+5.4	-35.6	-	+3.0	+7.8	+18.5

1. Public supply and transport power stations. 2. Public administration and commerce. 3. Per cent change on the corresponding period of the previous year.



# Electricity

TABLE 9. Fuel used by, and electricity production and availability from the public supply system

	Fuel used						Electricity generated			Own <sup>5</sup> use	Electricity supplied	Electricity <sup>6</sup> available
	Total <sup>1</sup>	Coal <sup>2</sup>	Oil <sup>2 3</sup>	Natural gas	Nuclear electricity	Hydro electricity	Total <sup>4</sup>	By steam plant				
								Nuclear	Other			
	Million tonnes coal or coal equivalent						TWh					
United Kingdom												
1980	114.77	89.57	11.23	0.22	11.93	1.72	266.38	33.46	227.97	18.71	246.67	251.34
1981	110.19	87.23	8.69	—	12.17	2.03	259.73	34.04	220.26	17.62	242.11	246.22
1982	107.07	79.95	10.63	—	14.41	2.02	255.44	40.00	209.96	17.65	237.79	242.02
1983	108.03	81.44	8.08	—	16.47	2.02	260.44	45.78	208.51	19.13	241.31	246.02
1984	109.52	53.41	36.23	0.39	17.72	1.75	265.99	49.50	209.12	19.62	246.37	250.76
Per cent change	+ 1.4	− 34.4	(+)	(+)	+ 7.6	− 13.5	+ 2.1	+ 8.1	+ 0.3	+ 2.6	+ 2.1	+ 1.9
1984 Jan-Nov	97.59	49.64	30.62	0.28	15.60	1.44	237.07	43.61	187.45	17.49	219.58	223.28
1985 Jan-Nov p	102.33	64.67	17.36	0.48	18.29	1.53	250.67	50.82	192.54	20.30	230.37	233.51
Per cent change	+ 4.9	+ 30.3	− 43.3	+ 71.4	+ 17.2	+ 6.3	+ 5.7	+ 16.5	+ 2.7	+ 16.1	+ 4.9	+ 4.6
1984 Sep*	9.42	2.99	4.74	0.08	1.55	0.06	22.84	4.39	17.89	1.76	21.08	21.48
Oct	8.48	2.89	4.11	0.09	1.29	0.11	20.42	3.63	16.04	1.47	18.94	19.23
Nov	9.34	2.99	4.63	0.09	1.43	0.20	22.44	4.02	17.31	1.66	20.78	21.13
Total	27.24	8.87	13.48	0.26	4.27	0.37	65.70	12.04	51.24	4.89	60.80	61.84
1985 Sep*	9.65	7.13	0.51	—	1.76	0.26	23.55	4.91	17.84	1.91	21.64	21.96
Oct	8.38	6.21	0.55	—	1.40	0.22	20.44	3.87	15.90	1.58	18.86	19.09
Nov p	9.93	7.59	0.84	—	1.36	0.14	25.15	3.81	19.96	2.65	22.49	22.76
Total	27.96	20.93	1.90	—	4.52	0.62	69.14	12.59	53.70	6.14	62.99	63.81
Per cent change	+ 2.6	(+)	− 85.9	(−)	+ 5.9	+ 67.6	+ 5.2	+ 4.6	+ 4.8	+ 25.6	+ 3.6	+ 3.2
England and Wales												
1980	99.21	80.77	8.56	0.22	9.44	0.12	230.94	26.55	203.71	15.59	215.25	217.71
1981	94.47	78.63	6.11	—	9.53	0.13	224.32	26.70	196.85	14.83	209.49	213.36
1982	91.84	72.97	7.57	—	11.13	0.11	220.51	30.97	188.77	14.70	205.81	211.02
1983	93.57	76.31	4.40	—	12.72	0.11	226.32	35.53	189.42	16.11	210.21	214.75
1984	93.48	49.87	29.34	0.39	13.78	0.09	227.01	38.76	185.02	16.50	210.51	219.14
Per cent change	− 0.1	− 34.6	(+)	(+)	+ 8.3	− 23.2	+ 0.3	+ 9.1	− 2.3	+ 2.4	+ 0.1	+ 2.0
1984 Jan-Nov	83.33	46.18	24.75	0.28	12.03	0.07	202.51	33.90	166.06	14.69	187.82	195.64
1985 Jan-Nov p	88.24	59.54	13.64	0.48	14.48	0.09	216.03	40.50	172.77	16.62	199.41	204.67
Per cent change	+ 5.9	+ 28.9	− 44.9	+ 71.4	+ 20.4	+ 28.6	+ 6.7	+ 19.5	+ 4.0	+ 13.1	+ 6.2	+ 4.6
1984 Sep*	8.15	2.92	3.98	0.08	1.17	—	19.59	3.33	15.88	1.47	18.12	19.00
Oct	7.30	2.85	3.38	0.09	0.98	0.01	17.44	2.79	14.18	1.26	16.18	16.90
Nov	7.99	2.92	3.81	0.09	1.16	0.02	19.06	3.28	15.11	1.41	17.65	18.42
Total	23.44	8.69	11.17	0.26	3.31	0.03	56.09	9.40	45.17	4.14	51.95	54.32
1985 Sep*	8.23	6.52	0.32	—	1.38	0.01	20.23	3.87	16.15	1.63	18.61	19.27
Oct	7.17	5.62	0.38	—	1.17	0.01	17.67	3.25	14.25	1.37	16.30	16.83
Nov p	8.55	6.80	0.63	—	1.12	0.01	21.15	3.16	17.78	1.58	19.57	19.90
Total	23.95	18.94	1.33	—	3.67	0.03	59.05	10.28	48.18	4.58	54.48	56.00
Per cent change	+ 2.2	(+)	− 88.1	(−)	+ 10.9	—	+ 5.3	+ 9.4	+ 6.7	+ 10.6	+ 4.9	+ 3.1

1. Including coke. 2. Including quantities used in the production of steam for sale. 3. Including oil used in gas turbine and diesel plant and for lighting up coal fired boilers. 4. Including generation by gas turbine, diesel and hydro-electric plant. 5. Used in works and for pumping at pumped storage stations. 6. Includes net imports and purchases from outside sources mainly UKAEA and British Nuclear Fuels. 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>
1980	229,909	9,529	77,543	86,107	56,730
1981	226,195	10,490	74,055	84,439	57,211
1982	221,630	9,764	71,483	82,787	57,596
1983	224,907	9,363	72,057	82,953	60,534
1984	229,000	9,290	73,175	83,898	62,637
Per cent change	+ 1.8	- 0.8	+ 1.6	+ 1.1	+ 3.5
1983 3rd quarter	47,061	2,133	16,910	15,022	12,993
4th quarter	60,727	2,417	18,524	23,613	16,173
1984 1st quarter	67,397	2,540	19,747	26,868	18,242
2nd quarter	52,513	2,362	17,628	18,197	14,326
3rd quarter	48,028	2,097	17,160	15,317	13,454
4th quarter	61,062	2,291	18,640	23,516	16,615
1985 1st quarter p	69,739	2,356	20,056	28,248	19,079
2nd quarter p	55,304	2,379	18,663	19,013	15,249
3rd quarter p	51,106	2,071	18,022	16,357	14,656
Per cent change <sup>2</sup>	+ 6.4	- 1.2	+ 5.0	+ 6.8	+ 8.9

1. Mainly commerce, public administration and agriculture. 2. Per cent change on the corresponding period of the previous year.



# Petroleum

TABLE 11. Indigenous production, refinery receipts, arrivals and shipments<sup>1</sup>

	Indigenous Production <sup>2</sup>			Crude Oil <sup>4</sup>						Petroleum Products		
				Refinery Receipts			Foreign Trade <sup>8</sup>			Foreign Trade <sup>8</sup>		Bunkers <sup>10</sup>
	Total	Crude Oil	NGLs <sup>3</sup>	Indigènous <sup>5</sup>	Other <sup>6</sup>	Net Foreign <sup>7</sup> Arrivals	Arrivals	Shipments		Arrivals	Shipments	
								Indigenous	Other <sup>9</sup>			
	Million tonnes			Thousand tonnes								
1980	80.5	78.9	1.6	39,844	2,005	45,556	46,717	38,531	1,161	9,246	14,598	2,457
1981	89.5	88.0	1.5	37,769	2,486	36,361	36,855	51,149	494	9,402	12,793	2,073
1982	103.2	100.3	2.9	40,294	3,162	33,249	33,754	60,195	505	12,524	13,585	2,583
1983	114.9	110.8	4.1	44,815	2,366	29,163	30,324	67,397	1,161	9,907	14,674	2,019
1984	125.9	121.2	4.8	45,304	2,196	30,950	32,272	77,271	1,363	23,082	14,234	2,248
Per cent change	+9.6	+9.4	+17.1	+1.1	-7.2	+6.1	+6.4	+14.7	+17.4	(+)	-3.0	+11.3
1984 Jan-Nov	114.7	110.4	4.3	42,306	1,972	27,933	29,135	69,015	1,229	19,820	12,884	2,043
1985 Jan-Nov p	116.9	112.3	4.6	39,294	916	31,759	32,875	73,001	1,222	12,516	15,677	1,969
Per cent change	+1.9	+1.7	+7.0	-7.1	-53.5	+13.7	+12.8	+5.8	-0.6	-36.9	+21.7	-3.6
1984 Sep	10.1	9.7	0.4	3,171	160	3,082	3,148	6,397	66	2,227	1,355	219
Oct	11.2	10.7	0.5	4,064	205	2,568	2,644	6,785	89	2,232	1,203	178
Nov	10.8	10.4	0.5	3,679	213	2,754	2,838	6,738	98	3,158	1,144	187
Total	32.1	30.8	1.3	10,914	578	8,404	8,630	19,920	253	7,618	3,702	584
1985 Sep	10.7	10.3	0.4	3,149	144	3,337	3,435	6,706	111	712	1,511	179
Oct p	11.5	11.0	0.5	3,607	49	2,742	2,943	7,159	202	902	1,463	182
Nov p	10.9	10.5	0.5	3,675	168	3,254	3,356	6,844	102	800	1,210	160
Total	33.2	31.8	1.3	10,431	361	9,333	9,735	20,709	415	2,414	4,183	521
Per cent change	+3.4	+3.2	—	-4.4	-37.5	+11.1	+12.8	+4.0	+64.0	-68.3	+13.0	-10.8

1. Calendar Months. 2. Includes for convenience offshore and land production. 3. Condensates and petroleum gases derived at onshore treatment plants. 4. Includes process (partly refined) oils. 5. Includes condensate for distillation. 6. Mainly recycled products. 7. Arrivals less re-exports. 8. Foreign Trade recorded by the Petroleum Industry and may differ from figures published in the Overseas Trade Statistics. 9. Mainly process oils but may include re-exports of crude oil. 10. International marine bunkers.

TABLE 12. Refinery throughput and output of petroleum products<sup>1</sup>

Thousand tonnes

	Through- put of crude and process oil	Refinery use		Total <sup>2</sup> output of petrol- eum pro- ducts	Gases		Naphtha (LDF)	Motor spirit	Kerosene		Gas/ diesel oil	Fuel oil	Lubri- cating oils	Bitumen
		Fuel	Losses/ (Gains)		Butane and propane	Other Petrol- eum			Aviation turbine fuel	Bur- ning oil				
1980	86,341	6,265	849	79,227	1,366	92	3,541	16,609	5,198	2,034	22,153	23,700	1,250	1,928
1981	78,287	5,445	836	72,006	1,391	75	3,405	17,140	4,559	1,904	20,410	19,069	1,063	1,735
1982	77,130	5,549	834	70,747	1,400	75	3,492	19,134	4,457	1,851	20,581	15,808	990	1,862
1983	76,876	5,297	652	70,927	1,482	56	3,550	21,053	4,723	1,770	21,029	13,483	936	1,798
1984	79,117	5,350	579	73,187	1,578	78	3,206	22,236	5,352	2,066	21,547	13,071	1,108	1,795
Per cent change	+ 2.9	+ 1.0	- 11.2	+ 3.2	+ 6.5	+ 39.3	- 9.7	+ 5.6	+ 13.3	+ 16.7	+ 2.5	- 3.1	+ 18.4	- 0.2
1984 Jan-Nov	72,253	4,888	510	66,856	1,457	70	2,898	20,382	4,935	1,829	19,726	11,820	999	1,696
1985 Jan-Nov p	71,758	4,720	312	66,726	1,312	55	2,629	20,388	4,848	2,104	19,671	11,891	1,109	1,656
Per cent change	- 0.7	- 3.4	- 38.8	- 0.2	- 10.0	- 21.4	- 9.3	-	- 1.8	+ 15.0	- 0.3	+ 0.6	+ 11.0	- 2.4
1984 Sep	6,766	443	67	6,256	144	6	242	1,948	451	176	1,880	1,082	87	157
Oct	7,093	467	29	6,596	156	8	307	2,045	455	194	1,843	1,216	108	157
Nov	6,625	440	100	6,085	131	6	292	1,811	392	209	1,710	1,195	95	138
Total	20,484	1,350	196	18,938	431	20	841	5,804	1,299	578	5,433	3,493	290	451
1985 Sep	6,337	412	19	5,905	83	1	262	1,839	407	184	1,658	1,165	81	144
Oct	6,320	420	36	5,864	106	4	292	1,728	439	181	1,815	960	128	146
Nov p	6,312	426	20	5,866	112	6	209	1,827	358	247	1,856	907	86	156
Total	18,969	1,258	75	17,635	302	11	762	5,394	1,204	612	5,328	3,032	294	446
Per cent change	- 7.4	- 6.8	- 61.7	- 6.9	- 29.9	- 45.0	- 9.4	- 7.1	- 7.3	+ 5.9	- 1.9	- 13.2	+ 1.4	- 1.1

1. Calendar Months. 2. Including output of products not shown separately, namely aviation spirit, wide-cut gasoline, industrial and white spirits, petroleum wax and miscellaneous products.

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 <sup>5</sup> (LDF)	Motor spirit	Kerosene				Gas/diesel oil		Fuel oil	Lubri- cating oils	Bitumen
					Aviation turbine fuel	Burning oil							
						Premier	Standard						
							Domestic	Other	Derv fuel	Other			
1980	71,177	1,287	3,277	19,145	4,685	348	1,356	399	5,854	11,771	19,157	896	1,826
1981	66,256	1,209	3,656	18,718	4,495	258	1,230	417	5,549	11,554	15,656	837	1,666
1982	67,246	1,449	3,412	19,247	4,474	199	1,142	404	5,731	11,023	16,191	827	1,956
1983	64,464	1,778	3,570	19,566	4,566	156	1,121	386	6,183	10,432	12,524	818	1,987
1984	81,435	1,948	3,337	20,226	4,828	123	1,176	411	6,755	10,499	27,864	818	1,900
Per cent change	+ 26.3	+ 9.6	- 6.5	+ 3.4	+ 5.7	- 21.2	+ 4.9	+ 6.5	+ 9.3	+ 0.6	(+)	-	- 4.4
1984 Jan-Nov	73,496	1,816	3,084	18,575	4,500	110	1,049	364	6,213	9,568	24,208	767	1,808
1985 Jan-Nov p	64,809	1,426	3,003	18,686	4,630	113	1,137	431	6,593	9,464	15,470	758	1,787
Per cent change	- 11.8	- 21.5	- 2.6	+ 0.6	+ 2.9	+ 2.7	+ 8.4	+ 18.4	+ 6.1	- 1.1	- 36.1	- 1.2	- 1.2
1984 Sep	7,027	135	246	1,646	461	6	109	39	578	800	2,652	66	167
Oct	7,799	124	302	1,777	438	13	114	37	627	987	2,972	79	174
Nov	8,226	137	277	1,709	339	9	116	40	632	987	3,630	73	156
Total	23,051	395	825	5,132	1,238	29	339	116	1,838	2,775	9,254	218	497
1985 Sep	5,331	104	327	1,686	501	11	100	35	587	743	865	68	187
Oct	5,576	110	298	1,815	436	9	106	47	681	834	848	73	191
Nov p	5,595	134	302	1,727	356	16	144	57	648	932	934	67	163
Total	16,501	348	928	5,228	1,293	37	350	140	1,917	2,509	2,646	208	541
Per cent change	- 28.4	- 11.9	+ 12.5	+ 1.9	+ 4.4	+ 27.6	+ 3.2	+ 20.7	+ 4.3	- 9.6	- 71.4	- 4.6	+ 8.9

1. Calendar Months. 2. Including other petroleum gases, aviation spirit, wide-cut gasoline, industrial and white spirits, petroleum wax and miscellaneous products. 3. Excluding refinery fuel. 4. Including amounts for petro-chemicals. 5. Now mainly for petro-chemical feedstock.



TABLE 14. Deliveries of petroleum products for inland consumption: energy uses<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>
1980	64,176	6,516	310	1,588	14,517	31,738	2,553	6,954
1981	58,707	4,863	252	1,381	12,624	30,622	2,301	6,664
1982	59,643	6,873	213	1,224	11,600	31,315	2,146	6,272
1983	56,446	4,647	159	1,046	10,291	32,249	2,044	6,011
1984	73,259	20,913	157	866	9,364	33,823	2,139	5,996
Per cent change	+29.8	(+)	-1.3	-17.2	-9.0	+4.9	+4.6	-0.2
1984 Jan-Oct	58,363	14,965	130	726	7,647	28,286	1,715	4,894
1985 Jan-Oct p	52,253	9,283	120	639	7,139	28,811	1,615	4,647
Per cent change	-10.5	-38.0	-7.7	-12.0	-6.6	+1.9	-5.8	-5.0
1984 Aug	6,480	2,437	10	56	558	2,990	106	324
Sep	6,385	2,207	10	61	691	2,847	178	391
Oct	7,054	2,379	12	66	851	3,023	203	519
Total	19,919	7,023	32	183	2,100	8,860	486	1,234
1985 Aug	4,416	308	7	49	540	3,062	132	319
Sep	4,571	441	11	57	595	2,928	163	375
Oct p	4,814	418	11	63	652	3,098	170	402
Total	13,801	1,167	29	169	1,787	9,088	464	1,096
Per cent change	-30.7	-83.4	-9.4	-7.7	-14.9	+2.6	-4.5	-11.2

1. Calendar Months. 2. Excludes non-energy use. 3. Public supply, railway and transport power stations. 4. Includes coastal shipping and fishing. 5. Mainly public administration, commerce and agriculture.

TABLE 15. Stocks of petroleum at end of month<sup>1</sup>

	Oil Industry		Power stations <sup>3</sup>
	Million tonnes	Estimated days supply <sup>2</sup>	Million tonnes
1984 Sep	16.1	60	1.26
Oct	15.7	58	1.15
Nov	15.6	59	1.18
1985 Sep p	14.5	77	0.95
Oct p	14.5	76	1.05
Nov p	15.2	79	0.92

1. Stocks of petroleum products plus the product equivalent of crude and process oils held at refineries and terminals. Stocks in the wholesale distribution system and those held abroad for U.K. use under approved bilateral agreements are also included. 2. Based on actual deliveries, with forecasts beyond the latest period. 3. Fuel oil held at main oil burning stations in Great Britain.

## APPROXIMATE CONVERSION FACTORS

(last digit rounded to nought or five)

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

From To	Million tonnes coal equiv.	Million tonnes oil equiv.	Million therms	TWh electrical energy	TWh electricity generated
Million tonnes coal equivalent	1	1.70	0.0040	0.140 <sup>1</sup>	0.475 <sup>2</sup>
Million tonnes oil equivalent	0.60	1	0.00240	0.080 <sup>1</sup>	0.260 <sup>2</sup>
Million therms	250	425	1	34.0	110
TWh electrical energy	7.50	12.5	0.030	1	...
TWh electricity generated	2.10 <sup>3</sup>	3.80 <sup>3</sup>	0.00910 <sup>3</sup>	...	1

1. The amount of fuel (average grade) equivalent to a TWh of energy.  
2. The amount of primary fuel (power station grade) to generate 1 TWh.  
3. The amount of electricity generated by one million units of fuel shown.  
The Digest of U.K. Energy Statistics 1985 gives more detailed factors.

## SUPPLEMENTARY DATA

Electricity generated by industry and transport undertakings in Great Britain<sup>1</sup>

GWh

	Total	Industry									Transport under- takings
		Total industry	Iron and steel	Engineering and other metal trades	Food drink and tobacco	Chemical and allied trades		Textiles, leather and clothing	Paper, printing and stationery	Other <sup>4</sup> industries	
						Nuclear <sup>2</sup> power stations	Others <sup>3</sup>				
1980	18,476	17,772	857	3,298	553	3,561	7,334	225	1,624	320	704
1981	17,926	17,235	1,025	3,145	476	3,926	6,926	217	1,245	275	691
1982	17,266	16,615	899	3,241	578	3,971	6,284	205	1,109	328	651
1983	16,959	16,313	929	3,565	489	4,152	5,661	216	973	328	647
1984	16,479	15,824	1,163	2,347	542	4,481	5,788	202	926	376	655
Per cent change	-2.8	-3.0	+25.1	-34.2	+10.9	+7.9	+2.2	-6.7	-4.8	+14.5	+1.2
1983 2nd quarter	4,005	3,848	230	836	65	929	1,416	56	241	75	157
3rd quarter	3,781	3,632	212	819	40	1,022	1,221	50	195	73	149
4th quarter	4,576	4,411	265	975	240	1,099	1,459	56	232	85	165
1984 1st quarter	4,712	4,534	282	1,151	117	1,152	1,395	58	272	106	178
2nd quarter	3,968	3,809	256	683	103	951	1,456	52	227	79	160
3rd quarter	3,715	3,563	267	336	61	1,137	1,443	45	195	79	152
4th quarter	4,084	3,919	357	177	261	1,241	1,494	46	232	111	165
1985 1st quarter	4,608	4,434	402	703	122	1,395	1,395	45	244	128	174
2nd quarter	4,025	3,878	314	817	67	946	1,413	42	174	105	147
3rd quarter p	4,222	4,079	285	928	49	1,105	1,436	33	150	94	142
Per cent change <sup>5</sup>	+13.6	+14.5	+6.7	(+)	-19.7	-2.8	-0.5	-26.7	-23.1	+19.0	-6.6

1. Excludes electricity generated by commerce, public administration, etc. 2. Generated by UKAEA and British Nuclear Fuels for the public electricity supply system. 3. Including production by the oil refining industry. 4. Including coal mining, gas and water works. 5. Per cent change on the corresponding period of the previous year.