# DEPARTMENT OF ENERGY 



# Energy use up in severe winter 

## Total energy

## Coal consumption high in March

Total inland energy consumption on a primary fuel input basis during the first quarter of 1979 was 9.2 per cent higher than in the comparable quarter of last year. Coal and petroleum consumption rose by 7.3 and 6.8 per cent respectively while natural gas use was higher by nearly one fifth.

The seasonally adjusted and temperature corrected statistics indicate a smaller rise of about five per cent in total consumption. However, the recent winter, although not the coldest on record, was described by the Meteorological Office as the most inclement in the last 100 years and it is probable that the normal temperature adjustment does not fully take account of the additional uses of energy caused by the abnormal weather conditions other than temperature, which were a feature of this protracted winter.

## Coal

Output lower
Coal production during the three month period February to April totalled 32.8 million tonnes, 4.1 per cent lower than in the corresponding months last year. Deep-mined production was down by four per cent and opencast by 5.4 per cent.

Total coal consumption during the same period rose by nine per cent with power station use up by 12.6 per cent. Colliery disposals to the two principal final consuming sectors were also higher, industrial consumers taking 7.1 per cent more coal than a year ago while disposals of housecoal rose by 3.7 per cent.

Total coal stocks fell by $3 / 4$ million tonnes during April to just over 28 million tonnes, including about 14 million tonnes held at collieries and stocking grounds. Power station stocks at the end of April were 11.9 million tonnes, 5.5 million tonnes less than the exceptionally high level at the start of last year's stock-build season.

Productivity at NCB mines during the first four months of 1979, measured in overall output per manshift was 2.26 tonnes, three per cent lower than in the comparable period last year.

## Gas

## Send-out at high level

Total gas sent out in the three month period February to April was 11.3 per cent higher than in the comparable period a year ago but nearly all of the increase was confined to the first two months of the period. Send out in April was only slightly higher than in April 1978, which was a particularly cold month.

## Electricity

## Sustained high demand

Total electricity supplied during the first quarter of 1979 was 9.7 per cent higher than in the corresponding quarter of last year. Fuel used for generation, also higher by 9.7 per cent, totalled
37.5 million tonnes coal equivalent of which nearly 70 per cent was coal compared with just over 68 per cent a year ago. With demand for electricity sustained at a very high level throughout the period, oil use for generation rose to seven million tonnes of coal equivalent comprising nearly 19 per cent of total fuel input.

## Petroleum

Heating oils in demand
Total inland deliveries of petroleum products during the first three months of 1979 were 24.2 million tonnes, 5.7 per cent higher than in the corresponding period of 1978, the largest increases being in fuels used for heating. Deliveries of fuel oil rose by 9.3 per cent and gas/diesel oil by 8.2 per cent while premium and standard grade burning oil used for domestic heating, rose by 20.8 and 14.3 per cent respectively.

Motor spirit deliveries were higher by 4.1 per cent but diesel oil for road vehicles (derv) was lower by 1.5 per cent in the quarter as a whole, though above last year's levels in both February and March.

## Statistical Note

Productivity at NCB mines (Table 6)
The National Coal Board has altered its analysis of underground manshifts worked in order to bring it into line with modern mining techniques. This has led to the introduction of a new measure of output per manshift (OMS) called "Production OMS", and the loss of the current measure, "Face OMS".

The principal productivity measure covering all operations in the coal industry, overall OMS, is unchanged. However, the series for OMS at the face is discontinued after March 1979 and is replaced by (a) total underground OMS and (b) production OMS. The latter series is restricted to production operations and covers shifts worked directly on or associated with production faces and the coal produced from them. Total underground OMS covers all revenue shifts worked underground and all revenue output, including development output.

Figures for production OMS are available only from April 1979 and are not comparable with the series of OMS at the face published previously.

[^0]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 calender 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.

So that short-term data can be more accurately compared, monthly coal figures for 1978 in the top half of Table 1 and in Tables 3-6 inclusive have been adjusted to account for certain calendar differences between 1978 and 1979.

## Total energy

TABLE 1. Inland energy consumption: primary fuel input basis

|  | Total | Coal ${ }^{1}$ | Petroleum ${ }^{2}$ | $\mathrm{Natural}^{3}$ | Nuclear electricity | Hydroelectricity | Total | Coal ${ }^{1}$ | Petroleum ${ }^{2}$ | Natural ${ }^{3}$ gas | Nuclear electricity | Hydroelectricity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Million tonnes of coal or coal equivalent |  |  |  |  |  | Million tonnes of oil or oil equivalent |  |  |  |  |  |
| 1973 | 353.5 | 133.0 | 164.2 | 44.2 | 10.1 | 2.0 | 207.9 | 78.2 | 96.6 | 26.0 | 5.9 | 1.2 |
| 1974 | 337.5 | 117.9 | 152.5 | 52.9 | 12.1 | 2.1 | 198.6 | 69.3 | 89.7 | 31.2 | 7.1 | 1.3 |
| 1975 | 324.8 | 120.0 | 136.5 | 55.4 | 109 | 2.0 | 191.1 | 70.6 | 80.3 | 32.6 | 6.4 | 1.2 |
| 1976 | 3298 | 122.0 | 1342 | 588 | 12.9 | 1.9 | 1940 | 71.8 | 78.9 | 34.6 | 7.6 | 1.1 |
| 1977 | 338.4 | 122.7 | 136.6 | 62.8 | 14.3 | 2.0 | 199.0 | 72.2 | 80.3 | 36.9 | 8.4 | 1.2 |
| 1978 p | 338.6 | 119.7 | 139.1 | 64.3 | 13.4 | 2.1 | 199.2 | 70.4 | 81.8 | 37.9 | 7.9 | 1.2 |
| Per cent change | +0.1 | -2.5 | +1.9 | +2.5 | -6.2 | +1.2 | +0.1 | -2.5 | +1.9 | +2.5 |  | +12 |
| 1978 Jan | 31.2 | 10.8 | 11.7 | 7.2 | 1.3 | 0.2 | 18.4 | 6.4 | 6.9 | 4.2 | 0.8 | 0.1 |
| Feb | 32.0 | 11.2 | 12.2 | 7.0 | 1.4 | 0.2 | 18.8 | 6.6 | 7.2 | 4.1 | 0.8 | 0.1 |
| Mar* | 35.5 | 12.1 | 14.2 | 7.4 | 1.5 | 0.3 | 20.9 | 7.1 | 8.3 | 4.4 | 0.9 | 0.2 |
| Total | 98.7 | 34.1 | 38.1 | 21.6 | 4.2 | 0.7 | 58.1 | 20.1 | 22.4 | 12.7 | 2.5 | 0.4 |
| 1979 Jan | 33.2 | 10.9 | 12.4 | 8.4 | 1.3 | 0.2 | 19.6 | 6.5 | 7.3 | 4.9 | 0.8 | 0.1 |
| Feb | 34.5 | 11.6 | 13.3 | 8.1 | 1.4 | 0.1 | 20.3 | 6.8 | 7.8 | 4.8 | 0.8 | 0.1 |
| Mar* | 40.0 | 14.1 | 14.9 | 9.2 | 1.5 | 0.3 | 23.5 | 8.2 | 8.8 | 5.4 | 0.9 | 0.2 |
| Total | 107.7 | 36.6 | 40.6 | 25.7 | 4.2 | 0.6 | 63.4 | 21.5 | 23.9 | 15.1 | 2.5 | 0.4 |
| Per cent change | +9.2 | +7.3 | +6.8 | +18.9 | -1.0 | -11.3 | +9.2 | +7.3 | +6.8 | +18.9 | -1.0 | -11.3 |
|  | Season | adjus | d and tempe | ure corre | $\mathrm{ed}^{4}$ lannu | ( rates) |  |  |  |  |  |  |
| 1978 Jan | 329.9 | 115.5 | 133.3 | 64.5 | 15.1 | 1.5 | 194.0 | 67.9 | 78.4 | 37.9 | 8.9 | 0.9 |
| Feb | 329.2 | 117.3 | 133.2 | 62.1 | 15.1 | 1.5 | 193.7 | 69.0 | 78.4 | 36.5 | 8.9 | 0.9 |
| Mar* p | 335.0 | 118.4 | 133.9 | 66.5 | 13.9 | 2.3 | 197.1 | 69.7 | 78.8 | 39.1 | 8.2 | 1.3 |
| Average | 331.6 | 117.2 | 133.5 | 64.5 | 14.6 | 1.8 | 195.1 | 68.9 | 78.5 | 38.0 | 8.6 | 1.1 |
| 1979 Jan | 342.4 | 119.4 | 136.2 | 69.6 | 15.7 | 1.5 | 201.4 | 70.2 | 80.1 | 41.0 | 9.2 | 0.9 |
| Feb | 348.9 | 117.1 | 143.9 | 71.4 | 15.2 | 1.3 | 205.2 | 68.9 | 84.6 | 42.0 | 8.9 | 0.8 |
| Mar* p | 353.6 | 126.9 | 137.7 | 73.9 | 13.1 | 2.0 | 208.0 | 74.6 | 81.0 | 43.5 | 7.7 | 1.2 |
| Average | 348.7 | 121.6 | 139.2 | 71.8 | 14.5 | 1.6 | 205.1 | 71.5 | 81.9 | 42.2 | 8.5 | 1.0 |
| Per cent change | +5.2 | +3.7 | +4.2 | +11.3 | -0.7 | -7.9 | +5.2 | +3.7 | +4.2 | +11.3 | -0.7 | -7.9 |

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) ${ }^{1}$


## TABLE 2. Supply and use of fuels

| 1977 | 1978p | Per cent change | 1976 | 1977 |  |  |  | 1978p |  |  |  | $\begin{aligned} & \text { Per }{ }^{1} \\ & \text { cent } \end{aligned}$change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 4th quarter | 1st quarter | 2nd quarter | 3rd quarter | 4th quarter | $\begin{gathered} \text { 1st } \\ \text { quarter } \end{gathered}$ | 2nd quarter | 3rd quarter | 4th quarter |  |

PRIMARY FUELS AND EQUIVALENTS:

| Production of primary fuels <br> Coal <br> Petroleum ${ }^{2}$ <br> Natural gas ${ }^{3}$ <br> Primary electricity | $\begin{array}{r} 29,682 \\ 16,350 \\ 15,024 \\ 3,761 \end{array}$ | $\begin{array}{r} 29,930 \\ 23,118 \\ 14,184 \\ 3,620 \end{array}$ | $\begin{array}{r} +0.8 \\ +41.4 \\ -5.6 \\ -2.7 \end{array}$ | $\begin{array}{r} 8,147 \\ 2,277 \\ 4,517 \\ 929 \end{array}$ | $\begin{aligned} & 7,604 \\ & 3,305 \\ & 4,916 \\ & 1,070 \end{aligned}$ | $\begin{array}{r} 7,514 \\ 4,214 \\ 3,459 \\ 877 \end{array}$ | $\begin{array}{r} 6,405 \\ 4,337 \\ 2,497 \\ 852 \end{array}$ | $\begin{array}{r} 8,159 \\ 4,494 \\ 4,152 \\ 962 \end{array}$ | $\begin{aligned} & 7,643 \\ & 4,839 \\ & 4,974 \\ & 1,144 \end{aligned}$ | $\begin{array}{r} 7,427 \\ 5,701 \\ 3,228 \\ 806 \end{array}$ | $\begin{array}{r} 6,502 \\ 5,846 \\ 2,188 \\ 732 \end{array}$ | $\begin{array}{r} 8,358 \\ 6,732 \\ 3,794 \\ 938 \end{array}$ | $\begin{array}{r} +2.4 \\ +49.8 \\ -8.6 \\ -2.5 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total | 64,817 | 70,852 | +9.3 | 15,870 | 16,895 | 16,064 | 14,091 | 17,767 | 18,600 | 17,162 | 15,268 | 19,822 | +11.6 |
| Arrivals, Petroleum ${ }^{4}$ Other | $\begin{array}{r} 35,730 \\ 1,366 \end{array}$ | $\begin{array}{r} 33,995 \\ 2,589 \end{array}$ | $\begin{array}{r} -4.8 \\ (+) \end{array}$ | $\begin{array}{r} 11,073 \\ 226 \end{array}$ | $\begin{array}{r} 9,615 \\ 195 \end{array}$ | $\begin{array}{r} 9,116 \\ 199 \end{array}$ | $\begin{array}{r} 8,253 \\ 371 \end{array}$ | $\begin{array}{r} 8,746 \\ 601 \end{array}$ | $\begin{array}{r} 8,892 \\ 641 \end{array}$ | $\begin{array}{r} 8,243 \\ 456 \end{array}$ | $\begin{array}{r} 7,860 \\ 512 \end{array}$ | $\begin{array}{r} 9,000 \\ 980 \end{array}$ | $\begin{gathered} +8.9 \\ (+) \end{gathered}$ |
| Shipments Bunkers | $\begin{array}{r} 13,841 \\ 1,168 \end{array}$ | $\begin{array}{r} 17,059 \\ 1,062 \end{array}$ | $\begin{array}{r} +23.2 \\ -9.1 \end{array}$ | $\begin{array}{r} 2,856 \\ 370 \end{array}$ | $\begin{array}{r} 2,973 \\ 316 \end{array}$ | $\begin{array}{r} 3,651 \\ 309 \end{array}$ | $\begin{array}{r} 3,886 \\ 292 \end{array}$ | $\begin{array}{r} 3,331 \\ 251 \end{array}$ | $\begin{array}{r} 3,407 \\ 240 \end{array}$ | $\begin{array}{r} 4,002 \\ 279 \end{array}$ | $\begin{array}{r} 4,774 \\ 248 \end{array}$ | $\begin{array}{r} 4,876 \\ 295 \end{array}$ | $\begin{aligned} & +46.4 \\ & +17.5 \end{aligned}$ |
| Stock change ${ }^{5}$ Solid fuels Crude Petroleum Petroleum products | $\begin{aligned} & +238 \\ & +555 \\ & +424 \end{aligned}$ | $\begin{array}{r} -577 \\ -390 \\ +169 \end{array}$ |  | $\begin{aligned} & +262 \\ & -511 \\ & +390 \end{aligned}$ | $\begin{array}{r} +1,252 \\ +375 \\ +564 \end{array}$ | $\begin{array}{r} -385 \\ -352 \\ -225 \end{array}$ | $\begin{array}{r} -194 \\ +253 \\ -309 \end{array}$ | $\begin{array}{r} -435 \\ -279 \\ +394 \end{array}$ | $\begin{array}{r} +459 \\ +92 \\ +185 \end{array}$ | $\begin{array}{r} -483 \\ -427 \\ +215 \end{array}$ | $\begin{array}{r} -369 \\ +428 \\ -480 \end{array}$ | $\begin{array}{r} -184 \\ -483 \\ +249 \end{array}$ |  |
| Non-energy use Statistical difference ${ }^{6}$ | $\begin{array}{r} 4,373 \\ -68 \end{array}$ | $\begin{array}{r} 4,035 \\ -679 \end{array}$ | -7.7 | $\begin{array}{r} 1,040 \\ +21 \end{array}$ | $\begin{array}{r} 1,123 \\ -337 \end{array}$ | $\begin{array}{r} 1,110 \\ +319 \end{array}$ | $\begin{array}{r} 1,109 \\ -10 \end{array}$ | $\begin{array}{r} 1,031 \\ -40 \end{array}$ | $\begin{array}{r} 1,016 \\ +8 \end{array}$ | $\begin{array}{r} 1,018 \\ -190 \end{array}$ | $\begin{aligned} & 1,036 \\ & -188 \end{aligned}$ | $\begin{array}{r} 965 \\ -309 \end{array}$ | -6.4 |
| Total primary ${ }^{1}$ energy input | 83,680 | 83,789 | +0.1 | 23,065 | 24,147 | 19,666 | 17,168 | 22,699 | 24,200 | 19,677 | 16,973 | 22,939 | +1.1 |
| Conversion losses etc. ${ }^{3}$ | 25,148 | 24,598 | -1.2 | 6,967 | 7,274 | 5,854 | 5,263 | 6,757 | 7,060 | 5,756 | 5,139 | 6,643 | -1.7 |
| Final energy consumption | 58,532 | 59,191 | +1.1 | 16,098 | 16,873 | 13,812 | 11,905 | 15,942 | 17,140 | 13,921 | 11,834 | 16,296 | +2.2 |

## FINAL CONSUMPTION BY USER

| Iron and steel industry Coal | 66 | 50 | -24.2 | 20 | 23 | 15 | 10 | 18 | 16 | 11 | 9 | 14 | -22.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Other solid fuel ${ }^{9}$ | 2,394 | 2,196 | -8.3 | 703 | 663 | 593 | 600 | 538 | 553 | 568 | 480 | 595 | +10.6 |
| Other coal-derived fuels ${ }^{10}$ | 362 | 330 | -8.8 | 97 | 94 | 89 | 95 | 84 | 81 | 91 | 73 | 85 | +1.2 |
| Gas ${ }^{11}$ | 485 | 446 | -8.0 | 119 | 128 | 125 | 113 | 119 | 118 | 113 | 110 | 105 | -11.8 |
| Electricity | 389 | 411 | +5.7 | 109 | 104 | 96 | 92 | 97 | 106 | 106 | 93 | 106 | +9.3 |
| Petroleum | 1,205 | 1,161 | -3.6 | 346 | 352 | 286 | 256 | 311 | 336 | 285 | 233 | 307 | -1.3 |
| Total | 4,901 | 4,594 | -6.2 | 1,394 | 1,364 | 1,204 | 1,166 | 1,167 | 1,210 | 1,174 | 998 | 1,212 | +3.9 |
| Other industries |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal | 2,295 | 2,184 | -4.8 | 696 | 618 | 530 | 483 | 664 | 623 | 507 | 402 | 652 | -1.8 |
| Other solid fuel ${ }^{9}$ | 156 | 154 | -1.3 | 37 | 38 | 38 | 35 | 45 | 45 | 27 | 35 | 47 | +4.4 |
| Other coal-derived fuels ${ }^{10}$ | 74 | 58 | -21.6 | 15 | 19 | 23 | 19 | 13 | 17 | 15 | 15 | 11 | -15.4 |
| Gas ${ }^{11}$ | 5,458 | 5,570 | +2.1 | 1,466 | 1,431 | 1,373 | 1,171 | 1,483 | 1,536 | 1,425 | 1,169 | 1,440 | -2.9 |
| Electricity | 2,411 | 2,457 | +1.9 | 638 | 645 | 599 | 559 | 608 | 648 | 607 | 568 | 634 | +4.3 |
| Petroleum | 7,520 | 7,412 | -1.4 | 2,090 | 2,245 | 1,774 | 1,428 | 2,073 | 2,150 | 1,702 | 1,352 | 2,208 | +6.5 |
| Total | 17,914 | 17,835 | -0.4 | 4,942 | 4,996 | 4,337 | 3,695 | 4,886 | 5,019 | 4,283 | 3,541 | 4,992 | +2.2 |
| Transport sector |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal and other solid fuel | 20 | 20 | - | 8 | 6 | 4 | 3 | 7 | 6 | 4 | 3 | 7 | - |
| Electricity | 100 | 102 | +2.0 | 26 | 26 | 26 | 23 | 25 | 27 | 25 | 24 | 26 | +4.0 |
| Petroleum | 12,931 | 13,603 | +5.2 | 3,177 | 2,988 | 3,218 | 3,420 | 3,305 | 3,046 | 3,456 | 3,635 | 3,466 | +4.9 |
| Total | 13,051 | 13,725 | +5.2 | 3,211 | 3,020 | 3,248 | 3,446 | 3,337 | 3,079 | 3,485 | 3,662 | 3,499 | +4.9 |
| Domestic sector |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal | 3,230 | 2,968 | -8.1 | 811 | 850 | 773 | 703 | 904 | 761 | 724 | 647 | 836 | -7.5 |
| Other solid fuel ${ }^{9}$ | 843 | 780 | -7.5 | 188 | 227 | 204 | 223 | 189 | 192 | 197 | 196 | 195 | +3.2 |
| Gas ${ }^{11}$ | 6,590 | 7,261 | +10.2 | 2,050 | 2,413 | 1,371 | 771 | 2,035 | 2,808 | 1,393 | 866 | 2,194 | +7.8 |
| Electricity | 2,932 | 2,928 | -0.1 | 863 | 972 | 638 | 511 | 811 | 965 | 636 | 517 | 810 | -0.1 |
| Petroleum | 1,450 | 1,423 | -1.9 | 472 | 518 | 295 | 205 | 432 | 520 | 277 | 201 | 425 | -1.6 |
| Total | 15,045 | 15,360 | +2.1 | 4,384 | 4,980 | 3,281 | 2,413 | 4,371 | 5,246 | 3,227 | 2,427 | 4,460 | +2.0 |
| Other final users ${ }^{12}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal | 544 | 515 | -5.3 | 158 | 166 | 118 | 83 | 177 | 168 | 118 | 85 | 144 | -18.6 |
| Other solid fuel ${ }^{9}$ | 166 | 162 | -2.4 | 34 | 50 | 36 | 45 | 35 | 42 | 39 | 41 | 40 | +14.3 |
| Gas ${ }^{11}$ | 1,587 | 1,744 | +9.9 | 464 | 561 | 380 | 180 | 466 | 643 | 404 | 208 | 489 | +4.9 |
| Electricity | 1,689 | 1,778 | +5.3 | 465 | 495 | 386 | 346 | 462 | 519 | 403 | 363 | 493 | +6.7 |
| Petroleum | 3,635 | 3,478 | -4.3 | 1,046 | 1,241 | 822 | 531 | 1,041 | 1,214 | 788 | 509 | 967 | -7.1 |
| Total | 7,621 | 7,677 | +0.7 | 2,167 | 2,513 | 1,742 | 1,185 | 2,181 | 2,586 | 1,752 | 1,206 | 2,133 | -2.2 |
| Total final users | 58,532 | 59,191 | +1.1 | 16,098 | 16,873 | 13,812 | 11,905 | 15,942 | 17,140 | 13,921 | 11,834 | 16,296 | +2.2 |

FINAL CONSUMPTION BY FUEL

| Coal | 6,154 | 5,737 | -6.8 | 1,692 | 1,663 | 1,440 | 1,282 | 1,769 | 1,574 | 1,364 | 1,146 | 1,653 | -6.6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Other solid fuel ${ }^{9}$ | 3,560 | 3,292 | -7.5 | 963 | 978 | 871 | 903 | 808 | 822 | 831 | 752 | 877 | +8.5 |
| Other coal derived fuels ${ }^{10}$ | 436 | 388 | -11.0 | 112 | 113 | 112 | 114 | 97 | 98 | 106 | 88 | 96 | -1.0 |
| Gas ${ }^{11}$ | 14,120 | 15,021 | +6.4 | 4,099 | 4,533 | 3,249 | 2,235 | 4,103 | 5,105 | 3,335 | 2,353 | 4,228 | +3.0 |
| Electricity | 7,521 | 7,676 | +2.1 | 2,101 | 2,242 | 1,745 | 1,531 | 2,003 | 2,265 | 1,777 | 1,565 | 2,069 | +3.3 |
| Petroleum | 26,741 | 27,077 | +1.3 | 7,131 | 7,344 | 6,395 | 5,840 | 7,102 | 7,266 | 6,508 | 5,930 | 7,373 | +3.8 |
| Total all fuels | 58,532 | 59,191 | +1.1 | 16,098 | 16,873 | 13,812 | 11,905 | 15,942 | 17,140 | 13,921 | 11,834 | 16,296 | +2.2 |

1. Per cent change on the corresponding period of the previous year. 2. Crude petroleum and natural gas liquids. 3. Excluding gas flared or reinjected.
2. Crude petroleum, process oils and petroleum products. 5. Stock fall $(+)$ stock rise $(-)$. 6. Supply greater than recorded demand ( - ). 7. Thermal equivalent of total inland energy consumption in Table 1. A more detailed analysis of the annual figures is shown in the Digest of United Kingdom Energy Statistics 1978 Tables 9 and 13. 8. Losses in conversion and distribution and used by fuel industries. 9. Coke and other manufactured solid fuels.
3. Coke oven gas, creosote/pitch mixtures and other liquid fuels derived from coal. 11. Natural gas supplied direct, and town gas. 12. Mainly public administration, commerce and agriculture.

## Coal

TABLE 3. Supply
Thousand tonnes

|  | Net inland supply | Production |  |  | Net imports | Imports ${ }^{2}$ | Exports ${ }^{2}$ | Tonnage lost (deep-mined) ${ }^{3}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total ${ }^{1}$ | Deep-mined | Opencast |  |  |  | Recognised holidays and rest days | Disputes |
| 1975 | 131,583 | 128,682 | 117,411 | 10,414 | +2,901 | 5,083 | 2,182 | 12,300 | 352 |
| 1976 | 125,201 | 123,800 | 110,264 | 11,944 | +1,401 | 2,837 | 1,436 | 12,345 | 1,157 |
| 1977 | 122,648 | 122,150 | 107,123 | 13,551 | +498 | 2,439 | 1,941 | 12,457 | 814 |
| 1978 | 123,663 | 123,577 | 107,528 | 14,167 | +86 | 2,352 | 2,266 | 12,606 | 1,497 |
| Per cent change | +0.8 | +1.2 | +0.4 | +4.5 | -82.7 | -3.6 | +16.7 | +1.2 | +83.9 |
| 1978 Jan-Apr 1979 Jan-Apr p | 44,286 | $\begin{aligned} & 44,100 \\ & 41,641 \end{aligned}$ | $\begin{aligned} & 39,109 \\ & 37,135 \end{aligned}$ | $\begin{aligned} & 4,441 \\ & 3,962 \end{aligned}$ | $+186$ | 842 | 656 | $\begin{aligned} & 1,479 \\ & 1,590 \end{aligned}$ | $\begin{aligned} & 481 \\ & 348 \end{aligned}$ |
| Per cent change |  | -5.6 | -5.0 | -10.8 |  |  |  | +7.5 | -27.7 |
| 1978 Feb | 10,760 | 10,756 | 9,562 | 994 | +4 | 166 | 162 | - | 99 |
| Mar* | 12,485 | 12,480 | 11,000 | 1,305 | +5 | 210 | 205 | 1,038 | 162 |
| Apr | 10,998 | 10,977 | 9,638 | 1,214 | +21 | 153 | 132 | - | 150 |
| Total | 34,243 | 34,213 | 30,200 | 3,513 | +30 | 529 | 499 | 1,038 | 411 |
| 1979 Feb | .. | 10,253 | 9,078 | 977 | .. | .. | .. | - | 84 |
| Mar* | .. | 13,226 | 11,752 | 1,372 | .. | .. | .. | - | 52 |
| Apr p | .. | 9,341 | 8,166 | 974 | .. | .. | .. | 933 | 115 |
| Total | .. | 32,820 | 28,996 | 3,323 | .. | .. | .. | 933 | 251 |
| Per cent change | .. | -4.1 | -4.0 | -5.4 | .. | .. | .. | -10.1 | -38.9 |

1. Includes an estimate for slurry, etc., recovered and disposed of otherwise than by the National Coal Board. 2. As recorded in the "Overseas Trade Statistics of the United Kingdom". 3. NCB only.
TABLE 4. Inland consumption of coal
Thousand tonnes

2. Disposals by collieries and opencast sites. 2. Public supply and railway and transport power stations. 3. Low temperature carbonisation and patent fuel plants. 4. Prior to October 1973 the figures relate to actual consumption. 5. Prior to April 1973 the figures relate to merchants' disposals to the domestic market. 6. Including miners' coal. 7. Anthracite, dry steam coal and imported naturally smokeless fuels. 8. Mainly public administration and commerce.

TABLE 5. Stocks of coal ${ }^{1}$ at end of period: Great Britain
Thousand tonnes

|  |  | Distributed |  |  |  |  | Undistributed |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Total distributed stocks | Power stations | Coke ovens | Gas works | Other | Total undistributed stocks | Collieries | Open cast sites and central stocking grounds |
| 1973 | 27,885 | 17,035 | 14,770 | 1,968 | 27 | 270 | 10,850 | 7,650 | 3,200 |
| 1974 | 21,806 | 15,827 | 13,629 | 1,851 | 3 | 344 | 5,979 | 4,009 | 1,970 |
| 1975 | 31,157 | 20,540 | 17,951 | 2,333 | 2 | 254 | 10,617 | 8,908 | 1,709 |
| 1976 | 33,115 | 22,457 | 19,598 | 2,684 | 2 | 173 | 10,658 | 9,295 | 1,363 |
| 1977 | 31,534 | 21,704 | 19,128 | 2,368 | 2 | 206 | +9,830 | 8,290 | 1,540 |
| 1978 | 34,527 | 22,038 | 20,200 | 1,658 | 2 | 178 | 12,489 | 9,888 | 2,601 |
| 1978 Feb | 28,732 | 18,813 | 16,644 | 2,005 | 2 | 162 | 9,919 |  | 1,508 |
| Mar | 29,256 | 19,079 | 17,047 | 1,859 | 2 | 171 | $10,177$ | $8,628$ | $1,549$ |
| Apr | 30,246 | 19,365 | 17,432 | 1,757 | 2 | 174 | 10,881 | 9,178 | 1,703 |
| 1979 Feb p | 29,637 | 14,916 | 12,983 | 1,756 | 2 | 175 | 14,721 | 11,952 | 2,769 |
| Mar p | 28,822 | 14,591 | 12,322 | 2,075 | 2 | 192 | 14,231 | 11,535 | 2,696 |
| Aprp | 28,068 | 14,116 | 11,889 | 2,045 | 2 | 180 | 13,952 | 11,306 | 2,646 |
| Absolute change: |  |  |  |  |  | 180 | 13,952 | 11,306 | 2,646 |
| in latest month | -754 | -475 | $-433$ | $-30$ | - | -12 | -279 | -229 | -50 |
| On a year ago | -2,178 | -5,249 | $-5,543$ | +288 | - | $+6$ | +3,071 | +2,128 | +943 |

[^1]TABLE 6. Colliery manpower and productivity at NCB mines

|  | Wage earners on colliery books ${ }^{1}$ |  | Recruitment | Wastage | Absence percentage ${ }^{2}$ |  |  | Average output per manshift ${ }^{3}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Overall |  |  |  |  | Underground ${ }^{4}$ |  |
|  | Total | Underground |  | Number |  | Total | Voluntary | Involuntary | Total | Production |
|  | Thousands |  | Per cent |  |  | Tonnes |  |  |
| 1973 | 245 | 193 | 17,402 |  |  | 37,961 | 18.0 | 4.1 | 13.9 | 2.29 | 2.95 | .. |
| 1974 | 246 | 194 | 26,436 | 25,133 | 16.3 | 4.1 | 12.2 | 2.18 | 2.80 | .. |
| 1975 | 245 | 194 | 21,347 | 22,451 | 16.2 | 4.0 | 12.2 | 2.28 | 2.92 | .. |
| 1976 | 241 | 192 | 17,061 | 21,239 | 17.4 | 3.7 | 13.7 | 2.23 | 2.84 | .. |
| 1977 | 239 | 189 | 29,361 | 31,647 | 17.6 | 3.9 | 13.7 | 2.18 | 2.78 | .. |
| 1978 | 2324 | $184{ }^{4}$ | 20,595 | 27,653 | 17.3 | 4.3 | 13.0 | 2.25 | 2.88 | .. |
| Per cent change | -2.9 | -2.6 | -29.9 | -12.6 |  |  |  | +3.2 | +3.6 | .. |
| 1978 Jan-Apr | 239 | 190 | 9,010 | 7,759 | 19.0 | 4.8 | 14.2 | 2.33 | 2.95 | .. |
| 1979 Jan-Apr p | 232 | 185 | 7,875 | 6,806 | 18.2 | 5.2 | 13.0 | 2.26 | 2.87 | .. |
| Per cent change | -2.9 | -2.6 | -12.6 | -12.3 |  |  |  | -3.0 | -2.7 | .. |
| 1978 Feb | 239 | 189 | 2,239 | 1,892 | 20.6 | 5.0 | 15.6 | 2.36 | 2.99 | .. |
| Mar* | 239 | 190 | 2,276 | 2,151 | 18.9 | 4.7 | 14.2 | 2.33 | 2.96 |  |
| Apr | 240 | 190 | 2,652 | 1,849 | 17.5 | 4.9 | 12.6 | 2.36 | 2.98 | .. |
| 1979 Feb | 232 | 185 | 2,041 | 1,580 | 19.4 | 5.4 | 14.0 | 2.28 | 2.89 | .. |
| Mar* | 232 | 185 | 2,357 | 2,044 | 18.2 | 5.1 | 13.1 | 2.31 | 2.93 |  |
| Apr | 233 | 185 | 1,790 | 1,653 | 16.5 | 5.1 | 11.4 | 2.22 | 2.81 | 8.46 |

1. At end of period. 2. The definition was changed from 1973. 3. Excluding capital working and tip coal. 4. For information on this new series, see commentary on the front page of this issue.

## Gas

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

|  | Natural gas supply |  |  | Other fuel used |  | Gas sent out |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total into system | Source ${ }^{1}$ |  | Coal | $\mathrm{Oil}^{3}$ | Total | Town gas | Natural ${ }^{4}$ gas for direct supply |
|  |  | Indigenous | Imported $^{2}$ |  |  |  |  |  |
|  | Million therms |  |  | Thousand tonnes |  | Million therms |  |  |
| 1973 | 10,916 | 10,639 | 277 | 512 | 2,320 | 11,620 | 2,434 | 9,186 |
| 1974 | 13,102 | 12,861 | 241 | 107 | 1,276 | 13,451 | 1,598 | 11,853 |
| 1975 | 13,692 | 13,367 | 325 | 9 | 588 | 13,822 | 752 | 13,070 |
| 1976 | 14,420 | 14,030 | 390 | 8 | 245 | 14,445 | 226 | 14,219 |
| 1977 | 15,373 | 14,734 | 639 | 7 | 166 | 15,323 | 75 | 15,248 |
| 1978 p | 15,854 | 13,997 | 1,857 | 6 | 283 | 15,853 | 39 | 15,814 |
| Per cent change | +3.1 | -5.0 | (+) | -14.3 | +71.1 | +3.5 | -48.0 | +3.7 |
| 1978 Feb | 1,785 | 1,646 | 139 | - | 57 | 1,798 | 4 |  |
| Mar* | 1,871 | 1,733 | 138 | 1 | 21 | 1,871 | 4 | 1,867 |
| Apr | 1,443 | 1,313 | 130 | 1 | 13 | 1,443 | 3 | 1,440 |
| Total | 5,099 | 4,692 | 407 | 2 | 91 | 5,112 | 11 | 5,101 |
| 1979 Feb | 1,934 | 1,637 | 297 | 1 | 26 | 1,953 | 4 | 1,949 |
| Mar* | 2,280 | 1,910 | 370 | 1 | 20 | 2,283 | 4 | 2,279 |
| Apr p | 1,453 | 1,220 | 233 | 1 | 16 | 1,455 | 4 | 1,451 |
| Total | 5,667 | 4,767 | 900 | 3 | 62 | 5,691 | 12 | 5,679 |
| Per cent change | +11.1 | +1.6 | (+) | +36.6 | -31.9 | +11.3 | +9.1 | +11.3 |

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

TABLE 8. Sales of gas by the public supply system
million therms

|  | Total | Power stations ${ }^{1}$ | Iron and steel industry | Other industries | Domestic | Other ${ }^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1973 | 10,729 | 285 | 396 | 4,150 | 4,815 | 1,083 |
| 1974 | 12,668 | 985 | 395 | 4,635 | 5,384 | 1,269 |
| 1975 | 13,112 | 858 | 371 | 4,645 | 5,891 | 1,347 |
| 1976 | 13,997 | 662 | 438 | 5,182 | 6,194 | 1,521 |
| 1977 | 14,579 | 519 | 485 | 5,398 | 6,590 | 1,587 |
| 1978 | 15,308 | 338 | 446 | 5,519 | 7,261 | 1,744 |
| Per cent change | +5.0 | -34.9 | -8.0 | +2.2 | +10.2 | +9.9 |
| 1976 4th quarter | 4,218 | 133 | 119 | 1,452 | 2,050 | 464 |
| 1977 1st quarter | 4,634 | 118 | 128 | 1,414 | 2,413 | 561 |
| 2nd quarter | 3,317 | 82 | 125 | 1,359 | 1,371 | 380 |
| 3rd quarter | 2,372 | 153 | 113 | 1,155 | 771 | 180 |
| 4th quarter | 4,256 | 166 | 119 | 1,470 | 2,035 | 466 |
| 1978 1st quarter | 5,257 | 165 | 118 | 1,523 | 2,808 | 643 |
| 2nd quarter | 3,344 | 25 | 113 | 1,409 | 1,393 | 404 |
| 3rd quarter | 2,416 | 69 | 110 | 1,163 | 866 | 208 |
| 4th quarter | 4,291 | 79 | 105 | 1,424 | 2,194 | 489 |
| Per cent change | +0.8 | -52.4 | -4.5 | -3.1 | +7.8 | +4.9 |

[^2]
## Electricity

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


1. Including coke. 2. Including quantities used in the production of steam for sale. 3. Including oil used in gas turbine and diesel plant and for lighting up coal fired boilers. 4. Including generation by gas turbine, diesel and hydro-electric plant. 5. Used in works and for pumping at pumped storage stations. 6. Includes net imports and purchases from outside sources mainly UKAEA and British Nuclear Fuels Ltd. The England and Wales figures include net exhanges with Scotland.

TABLE 10. Sales of electricity by the public supply system

|  | Total | Iron and steel industry | Other industries | Domestic | Other ${ }^{1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1973 | 225,267 | 11,646 | 75,327 | 91,299 | 46,995 |
| 1974 | 218,552 | 11,292 | 70,967 | 92,626 | 43,667 |
| 1975 | 217,924 | 11,164 | 70,854 | 89,214 | 46,692 |
| 1976 | 220,841 | 12,607 | 74,986 | 85,117 | 48,131 |
| 1977 | 225,655 | 12,310 ${ }^{2}$ | 76,561 ${ }^{2}$ | 85,902 | 50,882 |
| 1978 | 230,210 | $13,063{ }^{2}$ | 77,839 ${ }^{2}$ | 85,802 | 53,506 |
| Per cent change | +2.0 | +6.1 | +1.7 | -0.1 | +5.2 |
| 1976 4th quarter | 62,957 | 3.453 | 20.203 | 25,296 | 14.005 |
| 1977 1st quarter | 67,181 |  |  | 28,564 | 14,886 |
| 2nd quarter 3rd quarter | 52,535 | 3,054 ${ }^{2}$ | $18,993{ }^{2}$ | 18,803 | 11,685 |
| 3rd quarter 4th quarter | 46,077 | 2,911 ${ }^{2}$ | $17,793{ }^{2}$ | 14,938 | 10,435 |
| 4th quarter | 59,862 | 3,072 | 19,317 ${ }^{2}$ | 23,597 | 13,876 |
| 1978 1st quarter | 67,732 |  |  |  |  |
| 2nd quarter | 53,374 | 3,368 ${ }^{2}$ | 19,227 ${ }^{2}$ | 18,627 | 12,152 |
| 3 rd quarter | 47,163 | 2,975 ${ }^{2}$ | 18,051 ${ }^{2}$ | 15,166 | 10,971 |
| 4th quarter | 61,941 | 3,360 ${ }^{2}$ | 20,054 ${ }^{2}$ | 23,743 | 14,784 |
| Per cent change | +3.5 | +9.4 | +3.8 | +0.6 | +6.5 |

[^3]|  | Crude Petroleum |  |  |  |  |  |  | Petroleum Products |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Gross ${ }^{2}$ <br> Indigenous Production | Supply |  |  |  | Arrivals ${ }^{4} 5$ | Shipments ${ }^{4} 5$ | Arrivals ${ }^{4}$ | Shipments ${ }^{4}$ | Net Arrivals | Bunkers ${ }^{6}$ |
|  |  | Total | Indigenous ${ }^{2}$ | Net arrivals | Other ${ }^{3}$ |  |  |  |  |  |  |
| 1973 | 373 | 114,032 | 235 | +112,237 | 1,560 | 115,472 | 3,235 | 18,300 | 17,404 | + 896 | 5,499 |
| 1974 | 410 | 113,478 | 250 | +111,418 | 1,810 | 112,822 | 1,404 | 14,537 | 14,631 | -94 | 4,759 |
| 1975 | 1,564 | 92,273 | 1,156 | +89,942 | 1,275 | 91,366 | 1,524 | 12,786 | 13,924 | -1,138 | 3,444 |
| 1976 | 12,036 | 98,384 | 11,511 | +86,181 | 692 | 90,466 | 4,285 | 10,709 | 15,988 | -5,279 | 3,569 |
| 1977 | 37,879 | 92,260 | 37,540 | +54,038 | 682 | 70,697 | 16,659 | 13,049 | 14,294 | -1,245 | 2,829 |
| 1978 p | 53,378 | 96,758 | 52,557 | +43,285 | 916 | 68,144 | 24,859 | 11,511 | 13,536 | -2.025 | 2,617 |
| Per cent change | +40.9 | +4.9 | +40.0 | -19.9 | +34.2 | -3.6 | +49.2 | -11.8 | -5.3 |  | -7.5 |
| 1978 Jan | 3,766 | 8,243 | 3,676 | +4,505 | 62 | 6,052 | 1,547 | 1,137 | 851 | +286 | 205 |
| Feb | 3,610 | 8,278 | 3,703 | +4,481 | 94 | 6,121 | 1,640 | 1,113 | 696 | +417 | 191 |
| Mar | 3,683 | 7,342 | 3,919 | +3,361 | 62 | 5,347 | 1,986 | 1,073 | 1,056 | +17 | 185 |
| Total | 11,059 | 23,863 | 11,298 | +12,347 | 218 | 17,520 | 5,173 | 3,323 | 2,603 | +720 | 581 |
| 1979 Jan | 6,104 | 9,144 | 6,227 | +2,868 | 49 | 5,934 | 3,066 | 1,168 | 1,194 | -26 | 207 |
| Feb | 5,670 | 7,868 | 5,956 | +1,885 | 27 | 5,109 | 3,224 | 894 | 1,093 | -199 | 240 |
| Mar p | 5,566 | 7,073 | 5,446 | +1,580 | 47 | 4,224 | 2,644 | 1,488 | 937 | +551 | 197 |
| Total | 17,340 | 24,085 | 17,629 | +6,333 | 123 | 15,267 | 8,934 | 3,550 | 3,224 | +326 | 644 |
| Per cent change | +56.8 | +0.9 | +56.0 | -48.7 | -43.7 | -12.9 | +72.7 | +6.8 | +23.8 | (-) | +10.9 |

1. Calendar months. 2. Including natural gas liquids (condensates). 3. Mainly recycled products. 4. Foreign Trade as recorded by the Petroleum Industry and may differ from figures published in Overseas Trade Statistics. 5. Including process (partly refined) oils. 6. International bunkers.
TABLE 12. Refinery throughput and output of petroleum products ${ }^{1}$
Thousand tonnes

|  | Throughput of crude and process oil | Refinery use |  | Total output of petroleum products ${ }^{2}$ | Gases |  | Naphtha (LDF) | Motor spirit | Kerosene |  | Gas/ diesel oil | Fuel oil | Lubricating oil | Bitumen |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Fuel | Losses |  | Butane and propane | Other petroelum |  |  | Aviation turbine fuel | $\begin{gathered} \text { Burning } \\ \text { oil }^{3} \end{gathered}$ |  |  |  |  |
| 1973 | 114,338 | 7,053 | 1,331 | 105,954 | 1,655 | 394 | 6,607 | 14,842 | 4,550 | 2,717 | 27,853 | 42,026 | 1,477 | 2,225 |
| 1974 | 111,217 | 6,946 | 1,211 | 103,060 | 1,602 | 272 | 6,448 | 14,520 | 4,475 | 2,564 | 27,641 | 40,022 | 1,455 | 2,129 |
| 1975 | 93,579 | 6,031 | 901 | 86,647 | 1,447 | 151 | 3,968 | 13,940 | 3,959 | 2,299 | 23,324 | 32,711 | 1,141 | 2,090 |
| 1976 | 97,784 | 6,342 | 1,158 | 90,284 | 1,575 | 158 | 4,583 | 15,232 | 4,163 | 2,458 | 24,198 | 32,695 | 1,310 | 1,897 |
| 1977 | 93,615 | 6,238 | 1,039 | 86,338 | 1,539 | 142 | 4,488 | 14,805 | 4,004 | 2,462 | 23,476 | 30,481 | 1,380 | 1,882 |
| 1978 p | 96,390 | 6,423 | 811 | 89,156 | 1,613 | 147 | 4,626 | 15,958 | 4,783 | 2,614 | 24,024 | 30,518 | 1,203 | 1,866 |
| Per cent change | +3.0 | +3.0 | -21.9 | +3.3 | +4.8 | +3.6 | +3.1 | +7.8 | +19.5 | +6.2 | +2.3 | +0.1 | -12.8 | +0.2 |
| 1978 Jan | 8,391 | 574 | 56 | 7,761 | 146 | 11 | 421 | 1,287 | 354 | 336 | 2,080 | 2,816 | 85 | 112 |
| Feb | 7,527 | 515 | 137 | 6,875 | 127 | 12 | 370 | 1,149 | 341 | 266 | 1,897 | 2,432 | 67 | 102 |
| Mar | 8,558 | 567 | 57 | 7,934 | 145 | 12 | 462 | 1,268 | 369 | 293 | 2,232 | 2,745 | 106 | 183 |
| Total | 24,476 | 1,656 | 250 | 22,570 | 418 | 35 | 1,253 | 3,704 | 1,064 | 895 | 6,209 | 7,993 | 258 | 397 |
| 1979 Jan | 8.636 | 599 | 104 | 7,933 | 148 | 14 | 448 | 1,377 | 352 | 306 | 2,201 | 2,763 | 89 | 68 |
| Feb | 8,290 | 542 | 85 | 7,663 | 158 | 13 | 413 | 1,309 | 365 | 353 | 2,059 | 2,682 | 77 | 88 |
| Mar | 8,049 | 530 | (18) | 7,537 | 156 | 18 | 522 | 1,186 | 443 | 272 | 2,193 | 2,304 | 98 | 174 |
| Total | 24,975 | 1,671 | 171 | 23,133 | 462 | 45 | 1,383 | 3,872 | 1,160 | 931 | 6,453 | 7,749 | 264 | 330 |
| Per cent change | +2.0 | +1.0 | -31.5 | +2.5 | +10.4 | +29.5 | +10.5 | +4.6 | +8.9 | +4.1 | +3.9 | -3.1 | +2.3 | -16.9 |

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 ${ }^{1}$
Thousand tonnes

|  | Total ${ }^{23}$ | $\begin{gathered} \text { Butane } 4 \\ \text { and } \\ \text { propane } \end{gathered}$ | Naphtha$(\text { LDF })^{5}$ | Motor spirit | Kerosene |  |  |  | Gas/diesel oil |  | Fuel oil | Lubricating oils | Bitumen |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Aviation turbine fue! | Burning oil |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | Standard |  | Derv fuel | Other |  |  |  |
|  |  |  |  |  |  | Premier | Domestic | Other ${ }^{6}$ |  |  |  |  |  |
| 1973 | 99,786 | 1,600 | 8,373 | 16,927 | 4,202 | 788 | 1,931 | 501 | 5,658 | 15,100 | 39,447 | 1,185 | 2,458 |
| 1974 | 93,409 | 1,414 | 7,700 | 16,484 | 3,690 | 603 | 1,770 | 436 | 5,518 | 13,581 | 36,810 | 1,045 | 2,241 |
| 1975 | 82,824 | 1,275 | 5,116 | 16,125 | 3,834 | 538 | 1,707 | 400 | 5,414 | 13,050 | 30,470 | 992 | 2,089 |
| 1976 | 81,579 | 1,330 | 5,404 | 16,879 | 3,989 | 576 | 1,686 | 372 | 5,594 | 12,984 | 27,825 | 1,011 | 1,867 |
| 1977 | 82,759 | 1,320 | 5,179 | 17,336 | 4,165 | 559 | 1,677 | 391 | 5,711 | 13,914 | 27,772 | 1,029 | 1,847 |
| 1978 p | 84,141 | 1,318 | 4,916 | 18,348 | 4,506 | 536 | 1,696 | 428 | 5,875 | 13,600 | 28,233 | 1,027 | 1,887 |
| Per cent change | +1.7 | -0.2 | -5.1 | +5.8 | +8.2 | -4.1 | +1.1 | +9.4 | +2.9 | -2.3 | +1.7 | -0.7 | +2.2 |
| 1978 Jan | 7,745 | 135 | 443 | 1,369 | 307 | 92 | 199 | 44 | 466 | 1,540 | 2,841 | 85 | 102 |
| Feb | 7,288 | 124 | 465 | 1,191 | 243 | 99 | 196 | 49 | 437 | 1,493 | 2,698 | 77 | 105 |
| Mar | 7,821 | 132 | 489 | 1,531 | 356 | 60 | 184 | 46 | 483 | 1,430 | 2,715 | 84 | 170 |
| Total | 22,854 | 391 | 1,397 | 4,091 | 906 | 251 | 579 | 139 | 1,386 | 4,463 | 8,254 | 246 | 377 |
| 1979 Jan | 7,998 | 145 | 385 | 1,347 | 303 | 125 | 234 | 53 | 377 | 1,660 | 3,113 | 61 | 55 |
| Feb | 7,930 | 149 | 346 | 1,332 | 312 | 109 | 227 | 57 | 453 | 1,659 | 2,963 | 86 | 92 |
| Mar p | 8,235 | 144 | 413 | 1,580 | 358 | 68 | 202 | 44 | 535 | 1,509 | 2,949 | 100 | 166 |
| Total | 24,163 | 438 | 1,144 | 4,259 | 973 | 302 | 663 | 154 | 1,365 | 4,828 | 9,025 | 247 | 313 |
| Per cent change | +5.7 | +12.1 | -18.1 | +4.1 | +7.5 | +20.8 | +14.3 | +10.8 | -1.5 | +8.2 | +9.3 | +0.6 | -16.9 |

[^4] products. 3. Excluding refinery fuel. 4. Including very small amounts for petro-chemicals. 5. Now mainly for petro-chemical feed stock. 6. Including vaporising oil.

|  | Total | Power stations ${ }^{3}$ | Gas works | Iron and steel industry | Other industries | Transport ${ }^{4}$ | Domestic | Other ${ }^{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1973 | 88,196 | 16,993 | 2,355 | 4,995 | 22,045 | 28,971 | 3,812 | 9,025 |
| 1974 | 81,547 | 17,240 | 1,339 | 4,019 | 19,695 | 27,930 | 3,378 | 7,946 |
| 1975 | 73,385 | 13,345 | 693 | 3,309 | 17,251 | 27,583 | 3,270 | 7,935 |
| 1976 | 71,473 | 10,441 | 366 | 3,128 | 17,487 | 28,592 | 3,269 | 8,183 |
| 1977 | 73,043 | 10,873 | 292 | 2,938 | 17,701 | 29,359 | 3,263 | 8,617 |
| 1978 p | 74,702 | 11,638 | 342 | 2,836 | 17,544 | 30,877 | 3,225 | 8,240 |
| Per cent change | +2.3 | +7.0 | +17.1 | -3.5 | -0.9 | +5.2 | -1.2 | -4.4 |
| 1977 Dec | 7,266 | 1,293 | 35 | 241 | 1,797 | 2,515 | 410 | 975 |
| 1978 Jan | 6,970 | 1,095 | 34 | 264 | 1,854 | 2,319 | 412 | 992 |
| Feb | 6,550 | 1,116 | 35 | 265 | 1,730 | 2,048 | 413 | 943 |
| Total | 20,786 | 3,504 | 104 | 770 | 5,381 | 6,882 | 1,235 | 2,910 |
| 1978 Dec | 7,100 | 1,259 | 34 | 247 | 1,745 | 2,510 | 409 | 896 |
| 1979 Jan | 7,379 | 1,344 | 43 | 272 | 1,963 | 2,186 | 485 | 1,086 |
| Feb p | 7,281 | 1,145 | 39 | 277 | 1,995 | 2,294 | 452 | 1,079 |
| Total | 21,760 | 3,748 | 116 | 796 | 5,703 | 6,990 | 1,346 | 3,061 |
| Per cent change | +4.7 | +6.9 | +11.4 | +3.5 | +6.0 | +1.6 | +9.0 | +5.2 |

1. Calendar months. 2. Excludes non-energy products and non-energy use of naphtha (LDF). 3. Public supply, railway and transport power stations.
2. Including fishing, coastal and inland shipping. 5. Mainly public administration, commercial and agriculture

## TABLE 15. Stocks of petroleum at end of month

|  | Held by oil companies ${ }^{1}$ |  | Power stations $^{2}$ |
| :---: | :---: | :---: | :---: |
|  |  | Estimated days <br> supply |  |
| 1978 Feb | 19.7 | 78 | 1.08 |
| Mar | 18.4 | 78 | 1.03 |
| Apr | 18.5 | 85 | 0.99 |
| 1979 Feb | 17.7 | 68 | 0.81 |
| Mar | 16.4 | 69 | 0.76 |
| Apr p | 17.1 | 78 | 0.73 |

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 <br> tonnes coal <br> equiv. | Million <br> tonnes <br> oil equiv. | Million <br> therms | TWh <br> electrical <br> energy |
| :--- | :---: | :---: | :---: | :---: | :---: |
| TWh <br> electricity <br> generated |  |  |  |  |  |
| Million tonnes <br> coal equivalent | 1 | 1.7 | 0.004 | $0.135^{\mathbf{1}}$ | $0.500^{\mathbf{2}}$ |
| Million tonnes <br> oil equivalent | 0.60 | 1 | 0.00235 | $0.0800^{\mathbf{1}}$ | $0.280^{\mathbf{2}}$ |
| Million therms | 250 | 425 | 1 | 34.0 | 115 |
| TWh electrical <br> energy | 7.35 | 12.5 | 0.0295 | 1 | .. |
| TWh electricity <br> generated | $2.00^{3}$ | $3.60^{3}$ | $0.00880^{3}$ | .. | 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 UK Energy Statistics 1978 gives more detailed factors.

## SUPPLEMENTARY DATA

Values of fuel imports and exports ${ }^{1}$
$£$ million

|  | Imports (c.i.f.) |  |  |  |  |  |  | Exports (f.o.b.) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Coal <br> (1) | Other solid fuel ${ }^{2}$ (2) | Natural gas (3) | Petroleum |  | Electricity <br> (6) | Total <br> (7) | Coal <br> (8) | Other solid fuel ${ }^{2}$ (9) | Petroleum ${ }^{3}$(10) | Electricity <br> (11) | Total <br> (12) |
|  |  |  |  | Crude <br> (4) | Refined ${ }^{3}$ (5) |  |  |  |  |  |  |  |
| 1973 | 21.3 | 7.9 | 9.4 | 1,336.3 | 348.3 | 0.4 | 1,723.6 | 15.2 | 13.8 | 341.0 | - | 370.0 |
| 1974 | 62.1 | 7.2 | 8.1 | 3,856.3 | 701.9 | 0.4 | 4,636.0 | 20.8 | 46.9 | 701.0 | - | 768.7 |
| 1975 | 105.6 | 7.8 | 13.9 | 3,462.9 | 718.6 | 1.1 | 4,309.0 | 36.1 | 54.6 | 722.9 | 0.1 | 813.7 |
| 1976 | 82.7 | 9.0 | 20.3 | 4,585.8 | 954.1 | - | 5,651.9 | 30.6 | 47.7 | 1,175.4 | 1.1 | 1,254.8 |
| 1977 | 78.1 | 11.5 | 43.2 | 4,094.1 | 1,001.6 | - | 5,228.5 | 43.7 | 45.6 | 1,977.4 | - | 2,006.7 |
| 1978 | 77.0 | 6.5 | 187.7 | 3,527.7 | 1,015.9 | - | 4,814.8 | 51.5 | 47.2 | 2,276.0 | - | 2,374.7 |
| Per cent change | -1.3 | -43.3 | (+) | -13.8 | +1.4 | - | -7.9 | +17.8 | +3.6 | +15.1 | - | +14.9 |
| 1977 1st quarter | 15.3 | 2.3 | 3.4 | 1,173.1 | 254.1 | - | 1,448.2 | 11.3 | 13.8 | 454.9 | - | 480.0 |
| 2nd quarter | 14.4 | 3.2 | 3.8 | 1,099.4 | 263.9 | - | 1,384.7 | 11.3 | 12.1 | 498.2 | - | 521.6 |
| 3 rd quarter | 27.6 | 3.1 | 4.4 | 923.7 | 236.1 | - | 1,194.9 | 11.6 | 10.1 | 586.2 | - | 607.9 |
| 4th quarter | 20.8 | 2.9 | 31.6 | 897.9 | 247.5 | - | 1,200.7 | 9.5 | 9.6 | 438.1 | - | 457.2 |
| 1978 1st quarter | 21.5 | 2.1 | 49.9 | 970.1 | 281.9 | - | 1,325.5 | 11.7 | 10.3 | 474.7 | - | 496.7 |
| 2nd quarter | 16.5 | 1.2 | 35.1 | 806.7 | 239.0 | - | 1,098.5 | 11.1 | 13.1 | 529.2 | - | 553.4 |
| 3 rd quarter | 21.1 | 1.5 | 22.0 | 890.7 | 227.2 | - | 1,162.5 | 11.8 | 13.1 | 664.4 | - | 689.4 |
| 4th quarter | 17.9 | 1.7 | 80.7 | 860.2 | 267.8 |  | 1,228.3 | 16.8 | 10.7 | 607.7 | - | 635.2 |
| 1979 1st quarter p | .. | . | .. | .. | .. | - | . | .. | .. | .. | - | .. |
| Per cent change | .. | . | . | .. | .. | - | . | .. | .. | .. | - | .. |

1. The figures correspond to those published in Section 3 of the "Overseas Trade Statistics".
2. Including coke, breeze, briquettes and pitch.
3. Including liquefied gases other than natural gas and petroleum products not used as fuel e.g., lubricants.

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[^1]:    1. Excluding distributed stocks held in merchants' yards, etc., mainly for the domestic market, and stocks held by the industrial sector.
[^2]:    1. Public supply and transport power stations. 2. Public administration and commerce.
[^3]:    1. Mainly commerce, public administration and agriculture. 2. Contains a small degree of estimation.
[^4]:    1. Calendar months. 2. Including other petroleum gases, aviation spirit, wide-cut gasoline, industrial and white spirits, paraffin wax and miscellaneous
