## DEPARTMENT OF ENERGY

## A Statistical Bulletin

# Small drop in total energy consumption 



## Total Energy

Total inland energy consumption on a primary fuel input basis during the first nine months of the year was 247 million tonnes coal equivalent, about one million tonnes less than in the corresponding period of 1977, a decline of 0.3 per cent. Coal consumption was lower by $41 / 2 \mathrm{~m}$ tonnes a fall of 4.9 per cent while the contribution of nuclear energy was down by seven per cent. Deliveries of petroleum throughout the period have generally been slightly above last year's levels and in the period as a whole rose by 3.2 per cent. Natural gas consumption rose by 2.9 per cent, but in this case most of the increase occurred in the first four months of the year.

More recently, total energy consumption in the third quarter has declined further from last year's level, but the fall of 0.8 per cent was largely due to a sharp decline in September, a much warmer month than a year previously.

## Coal

Lower demand by domestic consumers and industry
Total coal production during the three month period August to October was 28.1 million tonnes, one per cent higher than in the comparable months of last year. Deep-mined production rose by 1.2 per cent but opencast output fell by 3.4 per cent.

Total inland consumption during the period fell by 3.2 per cent to 26.4 million tonnes, 17.4 million tonnes of this being used at power stations where consumption was two per cent higher than a year earlier. Demand by all the remaining consuming sectors was however lower than last year, with disposals of housecoal, and anthracite and dry steam coal for the domestic market down by 10 per cent and seven per cent respectively, while the disposal to industry fell by over an eighth.

Coal stocks rose by nearly a million tonnes during October, totalling $341 / 2$ million tonnes at the end of the month. Distributed stocks accounted for nearly 23 million tonnes, over 21 million tonnes of this comprising power station stocks.

## Gas <br> Increasing share for imported gas

Total natural gas supply into the public supply system during the three months August to October was 3.2 per cent less than during the corresponding period last year. Imported gas, mainly from the Norwegian sector of the Frigg gas field, rose sharply in September and October and in these months accounted for nearly a fifth of the total supply into the system.

## Electricity

Small increase in electricity supplied
Total electricity supplied in the UK during the first nine months of the year rose by two per cent while the corresponding quantity of fuel consumed for generation in terms of coal equivalent rose by only 1.1 per cent, an indication of improved overall thermal efficiency.

More recently, total electricity supplied in the third quarter increased by 2.6 per cent over last year's level. During this period the nuclear contribution to total fuel input fell by just under a fifth, oil use increased by over a quarter and coal burn was 2.3 per cent up.

## Petroleum

## Increase in total deliveries

During the first nine months of the year, gross indigenous crude oil production totalled 37.7 million tonnes, over 10 million tonnes more than in the corresponding period of 1977. Net arrivals of overseas crude oil were lower by over 9 million tonnes.

Refinery output of petroleum products, which during the first half year was running generally slightly below last year's levels, rose substantially during the third quarter with an increase in total output of 8.9 per cent.

Inland deliveries of the major petroleum products during the third quarter were, with the exception of naphtha, substantially higher than in the comparable quarter last year. Deliveries of aviation turbine fuel rose by 13 per cent and motor spirit and derv by 6.1 and 2.4 per cent respectively. Fuel oil deliveries were higher by 6.1 per cent and domestic grade burning oil by 6.7 per cent but there was a slight decline in deliveries of gas/diesel oil, the other principal oil used for heating.

## Supplementary data

## Value of fuel imports and exports

The total cif value of imports of crude and refined petroleum during the first three-quarters of the year was $£ 3,372$ million, a reduction of $£ 578$ million on the corresponding period of 1977 . The total fob value of petroleum exports was $£ 1,593$ million, an increase of $£ 53$ million on last year’s figure.

[^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 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.

Explanatory notes on the definitions and concepts used in the tables and on the relationship between some of the main series are given in the Supplement to the March 1976 issue of Energy Trends and on the first page of the August 1976 issue. Extra copies of that Supplement may be obtained from the Department of Energy.

## Symbols used in the tables

not available.

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


## Total energy

TABLE 1: Inland energy consumption: primary fuel input basis


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
Million therms

|  |  |  | Per cent change | 1976 |  |  | 1977 |  |  |  | 1978 p |  | $\begin{gathered} \text { Per }{ }^{1} \\ \text { cent } \\ \text { change } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1976 | 1977 |  | 2nd quarter | 3rd quarter | 4th quarter | 1st quarter | 2nd quarter | 3rd quarter | 4th quarter | $\begin{gathered} \text { 1st } \\ \text { quarter } \end{gathered}$ | 2nd quarter |  |
| PRIMARY FUELS AND EQUIVALENTS: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of primary fuels |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal | 30,166 | 29,682 | -1.6 | 7,635 | 6,378 | 8,147 | 7,604 | 7,514 | 6,405 | 8,159 | 7,643 | 7,427 | -1.2 |
| Petroleum ${ }^{2}$ | 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 ${ }^{3}$ | 14,379 | 15,024 | +4.5 | 2,962 | 2,173 | 4,517 | 4,916 | 3,459 | 2,497 | 4,152 | 4,939 | 3,228 | 6.7 |
| Primary electricity | 3,411 | 3,761 | +10.3 | 786 | 770 | 929 | 1,070 | 877 | 852 | 962 | 1,144 | 906 | +3.3 |
| Total | 53,162 | 64,817 | +21.9 | 12,403 | 10,656 | 15,870 | 16,895 | 16,064 | 14,091 | 17,767 | 18,565 | 17,262 | +7.5 |
| Arrivals, Petroleum ${ }^{4}$ | 43,174 | 35,730 | -17.2 | 10,949 | 10,160 | 11,073 | 9,615 | 9,116 | 8,253 | 8,746 | 8,892 | 8,243 | -9.6 |
| Other | 1,183 | 1,366 | + 15.5 | 336 | 270 | 226 | 195 | 199 | 371 | 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 ${ }^{5}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Solid fuels | -634 | +238 | . | -820 | -388 | + 262 | +1,252 | -385 | -194 | -435 | +459 | -483 | . |
| Crude Petroleum | -378 | +555 | \% | -196 | -25 | -511 | + 375 | -352 | +253 | +279 | +92 | -427 | - |
| 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 ${ }^{6}$ | +54 | -68 |  | -23 | -2 | +21 | -337 | +319 | -10 | -40 | 1,016 +6 | -190 |  |
| Total primary ${ }^{7}$ 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 | +0.6 |
| Conversion losses etc. ${ }^{8}$ | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Coal | 66 | 66 | - | 14 | 9 | 20 | 23 | 15 | 10 | 18 | 16 | 10 | -33.3 |
| Other solid fuel ${ }^{9}$ | 2,723 | 2,394 | -12.1 | 719 | 670 | 703 | 663 | 593 | 600 | 538 | 553 | 603 | +1.7 |
| Other coal-derived fuels ${ }^{10}$ | 401 | 362 | -9.7 | 109 | 97 | 97 | 94 | 89 | 95 | 84 | 81 | 80 | -10.1 |
| Gas ${ }^{11}$ | 438 | 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 | +11.5 |
| Petroleum | 1,279 | 1,205 | -5.8 | 306 | 273 | 346 | 352 | 286 | 256 | 311 | 336 | 285 | -0.4 |
| Total | 5,302 | 4,901 | $-7.6$ | 1,356 | 1,238 | 1,394 | 1,364 | 1,204 | 1,166 | 11,167 | 1,210 | 1,195 | -0.7 |
| Other industries |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal | 2,277 | 2,295 | +0.8 | 564 | 470 | 696 | 618 | 530 | 483 | 664 | 623 | 507 | -4.3 |
| Other solid fuel ${ }^{9}$ | 126 | 156 | +23.8 | 24 | 27 | 37 | 38 | 38 | 35 | 45 | 51 | 29 | -23.7 |
| Other coal-derived fuels ${ }^{10}$ | 76 | 74 | -2.6 | 23 | 25 | 15 | 19 | 23 | 19 | 13 | 17 | 15 | -34.8 |
| Gas ${ }^{11}$ | 5,241 | 5,458 | +4.1 | 1,236 | 1,083 | 1,466 | 1,431 | 1,373 | 1,171 | 1,483 | 1,536 | 1,429 | +4.1 |
| Electricity | 2,364 | 2,411 | +2.0 | 563 | 546 | 638 | 645 | 599 | 559 | 608 | 648 | 594 | -0.8 |
| Petroleum | 7,441 | 7,520 | +1.1 | 1,696 | 1,400 | 2,090 | 2,245 | 1,774 | 1,428 | 2,073 | 2,150 | 1,706 | -3.8 |
| 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 |
| Transport sector |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal and other solid fuel | 21 | 20 | -4.8 | 4 | 2 | 8 | 6 | 4 | 3 | 7 | 6 | 4 | - |
| Electricity | 98 | 100 | +2.0 | 24 | 22 | 26 | 26 | 26 | 23 | 25 | 27 | 25 | -3.9 |
| Petroleum | 12,597 | 12,931 | +2.7 | 3,198 | 3,333 | 3,177 | 2,988 | 3,218 | 3,420 | 3,305 | 3,048 | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal | 3,140 | 3,230 | +2.9 | 764 | 634 | 811 | 850 | 773 | 703 | 904 | 761 | 724 | -6.3 |
| Other solid fuel ${ }^{9}$ | 869 | 843 | -3.0 | 196 | 208 | 188 | 227 | 204 | 223 | 189 | 197 | 197 | -3.4 |
| Gas ${ }^{11}$ | 6,194 | 6,590 | +6.0 | 1,055 | 686 | 2,050 | 2,413 | 1,371 | 771 | 2,035 | 2,808 | 1,393 | +1.6 |
| Electricity | 2,905 | 2,932 | +0.9 | 585 | 464 | 863 | 972 | 638 | 511 | 811 | 969 | 637 | -0.2 |
| Petroleum | 1,435 | 1,450 | +1.1 | 268 | 176 | 472 | 518 | 295 | 205 | 432 | 520 | 277 | -6.1 |
| Total | 14,543 | 15,045 | +3.5 | 2,868 | 2,168 | 4,384 | 4,980 | 3,281 | 2,413 | 4,371 | 5,255 | 3,228 | -1.6 |
| Other final users ${ }^{12}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coal | 516 | 544 | +5.4 | 113 | 73 | 158 | 166 | 118 | 83 | 177 | 167 | 118 | - |
| Other solid fuel ${ }^{9}$ | 166 | 166 | - | 44 | 37 | 34 | 50 | 36 | 45 | 35 | 43 | 39 | +8.3 |
| Gas ${ }^{11}$ | 1,521 | 1,587 | +4.3 | 317 | 169 | 464 | 561 | 380 | 180 | 466 | 643 | 403 | +6.1 |
| Electricity | 1,597 | 1,689 | +5.8 | 345 | 308 | 465 | 495 | 386 | 346 | 462 | 519 | 403 | +4.4 |
| Petroleum | 3,441 | 3,635 | +5.6 | 721 | 451 | 1,046 | 1,241 | 822 | 531 | 1,041 | 1,212 | 787 | -4.3 |
| Total | 7,247 | 7.621 | +5.2 | 1,540 | 1,038 | 2,167 | 2,513 | 1,742 | 1,185 | 2,181 | 2,584 | 1,750 | +0.5 |
| Total final users | 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 FUEL

| Coal | 6,019 | 6,154 | +2.2 | 1,459 | 1,188 | 1,692 | 1,663 | 1,440 | 1,282 | 1,769 | 1,573 | 1,363 | 5.4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Other solid fuel ${ }^{9}$ | 3,885 | 3,560 | -8.4 | 983 | 942 | 963 | 978 | 871 | 903 | 808 | 844 | 868 | -0.3 |
| Other coal derived fuels ${ }^{10}$ | 477 | 436 | -8.6 | 132 | 122 | 112 | 113 | 112 | 114 | 97 | 98 | 95 | -15.2 |
| Gas ${ }^{11}$ | 13,394 | 14,120 | +5.4 | 2,720 | 2,037 | 4,099 | 4,533 | 3,249 | 2,235 | 4,103 | 5,105 | 3,335 | +2.6 |
| Electricity | 7,359 | 7,521 | +2.2 | 1,613 | 1,430 | 2,101 | 2,242 | 1,745 | 1,531 | 2,003 | 2,269 | 1,766 | +1.2 |
| Petroleum | 26,193 | 26,741 | +2.1 | 6,189 | 5,633 | 7,131 | 7,344 | 6,395 | 5,840 | 7,102 | 7,266 | 6,513 | +1.9 |
| 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 |

[^1]
## Coal

TABLE 3. Supply

|  |  | Production |  |  |  | Imports ${ }^{\text {² }}$ | Exports ${ }^{2}$ | Tonnage lost (deep-mined) ${ }^{3}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Net inland supply | Total ${ }^{1}$ | Deep-mined | Opencast | Net imports |  |  | Recognised holidays and rest days | Disputes |
| $\begin{aligned} & 1974 \\ & 1975 \\ & 1976 \\ & 1977 \\ & \text { Per cent change } \\ & \hline \end{aligned}$ | $\begin{array}{r} 112,132 \\ 131,583 \\ 125,201 \\ 122,623 \\ -2.1 \\ \hline \end{array}$ | $\begin{array}{r} 110,451 \\ 128,682 \\ 123,800 \\ 122,150 \\ -1.3 \end{array}$ | $\begin{array}{r} 99,992 \\ 117,411 \\ 110,264 \\ 107,123 \\ -2.8 \end{array}$ | $\begin{array}{r} 9,231 \\ 10,414 \\ 11,944 \\ 13,551 \\ +13.5 \\ \hline \end{array}$ | $\begin{array}{r} +1,681 \\ +2,901 \\ +1,401 \\ +473 \\ -66.2 \end{array}$ | $\begin{array}{r} \hline 3,546 \\ 5,083 \\ 2,837 \\ 2,414 \\ -14.9 \\ \hline \end{array}$ | $\begin{array}{r} 1,865 \\ 2,182 \\ 1,436 \\ 1,941 \\ +35.2 \\ \hline \end{array}$ | $\begin{array}{r} 10,518 \\ 12,300 \\ 12,345 \\ 12,457 \\ +0.9 \\ \hline \end{array}$ | $\begin{array}{r} 16,253 \\ 352 \\ 1,157 \\ 814 \\ -29.6 \end{array}$ |
| 1977 Jan-Oct <br> 1978 Jan-Oct p <br> Per cent change | 99,020 99,553 $+0.5$ | 98,799 <br> 99,372 <br> $+0.6$ | 86,726 <br> 86,316 <br> -0.5 | 10,983 <br> 11,528 <br> $+5.0$ | $\begin{array}{r} +221 \\ +181 \\ -18.1 \end{array}$ | $\begin{array}{r} 1,897 \\ 1,954 \\ +3.0 \end{array}$ | $\begin{array}{r} 1,676 \\ 1,773 \\ +5.8 \end{array}$ | $\begin{array}{r} 12,367 \\ 12,598 \\ +1.9 \end{array}$ | $\begin{array}{r} 658 \\ 1,271 \\ +93.2 \end{array}$ |
| $1977 \begin{aligned} & \text { Aug } \\ & \text { Sep* } \\ & \text { Oct } \end{aligned}$ | 6,797 <br> 11,030 <br> 10,220 |  | $\begin{aligned} & 5,469 \\ & 9,356 \\ & 8,906 \end{aligned}$ | $\begin{aligned} & 1,005 \\ & 1,502 \\ & 1,160 \end{aligned}$ | $\begin{array}{r} +143 \\ +122 \\ -6 \end{array}$ | $\begin{aligned} & 275 \\ & 315 \\ & 132 \end{aligned}$ | $\begin{aligned} & 132 \\ & 193 \\ & 138 \end{aligned}$ | $\begin{array}{r} 3,310 \\ 1,499 \\ 74 \end{array}$ | $\begin{aligned} & 26 \\ & 82 \\ & 64 \end{aligned}$ |
| Total | 28,047 | 27,788 | 23,731 | 3,667 | +259 | 722 | 463 | 4,883 | 172 |
| 1978Aug <br> Sep* <br> Oct p | $\begin{array}{r} 6,505 \\ 11,178 \\ 10,189 \end{array}$ | $\begin{array}{r} 6,460 \\ 11,267 \\ 10,350 \end{array}$ | $\begin{aligned} & 5,334 \\ & 9,679 \\ & 9,004 \end{aligned}$ | $\begin{array}{r} 934 \\ 1,405 \\ 1,203 \\ \hline \end{array}$ | $\begin{array}{r} +45 \\ -89 \\ -161 \\ \hline \end{array}$ | $\begin{aligned} & 206 \\ & 115 \\ & 105 \end{aligned}$ | $\begin{aligned} & 161 \\ & 204 \\ & 266 \end{aligned}$ | $\begin{array}{r} 3,497 \\ 1,275 \\ 134 \\ \hline \end{array}$ | $\begin{array}{r} 58 \\ 116 \\ 76 \\ \hline \end{array}$ |
| Total | 27,872 | 28,077 | 24,017 | 3,542 | -205 | 426 | 631 | 4,906 | 250 |
| Per cent change | -0.6 | +1.0 | +1.2 | -3.4 |  | -41.0 | +36.3 | +0.5 | +45.3 |

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

|  | Total inland consumption | Fuel producers |  |  |  |  | Final users' |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Primary | Secondary |  |  |  | Colliery disposals |  |  |  |
|  |  |  | Power stations ${ }^{2}$ | Coke ovens | Gas works | Other ${ }^{3}$ conversion industries | Industry ${ }^{4}$ | Domestic ${ }^{\text {s }}$ |  | Other ${ }^{8}$ |
|  |  | Collieries |  |  |  |  |  | House coal ${ }^{6}$ | Other ${ }^{7}$ |  |
| 1974 | 117,887 | 1,256 | 67,025 | 18,461 | 107 | 3,788 | 11,077 | 11,981 | 1,687 | 2,505 |
| 1975 | 122,216 | 1,238 | 74,569 | 19,085 | 10 | 4,063 | 9,685 | 9,915 | 1,703 | 1,948 |
| 1976 | 123,603 | 1,132 | 77,818 | 19,401 | 8 | 3,405 | 8,970 | 9,450 | 1,374 | 2,045 |
| 1977 | 123,978 | 1,124 | 79,956 | 17,406 | 7 | 3,166 | 9,033 | 9,635 | 1,502 | 2,149 |
| Per cent change | +0.3 | -0.7 | +2.7 | -10.3 | -12.5 | -7.0 | +0.7 | +2.0 | +9.3 | + +5.1 |
| 1977 Jan-Oct | 101,203 | 901 | 65,155 | 14,781 | 6 | 2,572 | 7,167 | 7,807 | 1,193 | 1,621 |
| 1978 Jan-Oct p | 96,534 | 830 | 64,396 | 12,246 | 5 | 2,514 | 6,698 | 7,023 | 1,213 | 1,610 |
| Per cent change | -4.6 | -7.9 | -1.2 | -17.2 | -16.7 | -2.3 | -6.5 | -10.0 | +1.7 | -0.7 |
| 1977 Aug | 7,263 | 49 | 4,535 | 1,326 | - | 230 | 480 | 471 | 83 | 89 |
| Sep* | 10,628 | 79 | 6,600 | 1,605 | - | 329 | 791 | 903 | 167 | 154 |
| Oct | 9,402 | 85 | 5,926 | 1,235 | 1 | 259 | 744 | 845 | 131 | 176 |
| Total | 27,293 | 213 | 17,061 | 4,166 | 1 | 818 | 2,015 | 2,219 | 381 | 419 |
| 1978 Aug | 6,860 | 48 | 4,706 | 982 | - | 209 | 333 | 428 | 70 | 84 |
| Sep* | 10,301 | 68 | 6,649 | 1,472 | 1 | 300 | 711 | 808 | 150 | 142 |
| Oct p | 9,267 | 61 | 6,039 | 1,181 | - | 247 | 700 | 762 | 134 | 143 |
| Total | 26,428 | 177 | 17,394 | 3,635 | 1 | 756 | 1,744 | 1,998 | 354 | 369 |
| Per cent change | -3.2 | -16.9 | +2.0 | -12.7 | - | -7.6 | -13.4 | -10.0 | -7.1 | -11.9 |

1. Disposals by collieries and opencast sites. 2. Public supply and railway and transport power stations. 3. Low temperature carbonisation and patent fuel plants. 4. Prior to October 1973 the figures related 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

|  |  | Total | Distributed |  |  |  |  | Undistributed |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 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 | Aug | 29,604 | 20,701 | 18.541 | 2,005 | 1 | 154 | 8,903 | 7,343 | 1,560 |
|  | 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 |
| 1978 | Aug | 32,637 | 21,555 | 19,794 | 1,598 | 1 | 162 | 11,082 | 9,015 | 2,067 |
|  | Sep | 33,561 | 22,172 | 20,422 | 1,572 | 1 | 177 | 11,389 | 9,211 | 2,178 |
|  | Octp | 34,507 | 22,864 | 21,106 | 1,557 | 1 | 200 | 11,643 | 9,361 | 2,282 |
| Absolute change: in latest month On a year ago |  | +946 | +692 | +684 | -15 | - | 200 +23 | +254 | 1 +150 | 2,282 +104 |
|  |  | +3,698 | +1,197 | +1,697 | -467 | - | -33 | +2,501 | +1,777 | +724 |

TABLE 6. Colliery manpower and productivity at NCB mines

|  |  | Wage earners on colliery books ${ }^{1}$ |  | Recruitment | Wastage | Absence percentage ${ }^{2}$ |  |  | Average output per manshift ${ }^{3}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | Underground | Number |  | Total | Voluntary | Involuntary | Overall | At the face |
|  |  | Thousands |  |  |  | Per cent |  |  | Tonnes |  |
| 1972 |  | 266 | 210 | 13,255 | 26,114 | 16.6 | 3.9 | 12.7 | 2.21 | 7.33 |
| 1973 |  | 245 | 193 | 17,402 | 37,961 | 18.0 | 4.1 | 13.9 | 2.29 | 7.62 |
| 1974 |  | 246 | 194 | 26,436 | 25,133 | 16.3 | 4.1 | 12.2 | 2.18 | 7.56 |
| 1975 |  | 245 | 194 | 21,347 | 22,451 | 16.2 | 4.0 | 12.2 | 2.28 | 7.92 |
| 1976 |  | 241 | 192 | 17,061 | 21,239 | 17.4 | 3.7 | 13.7 | 2.23 | 7.75 |
| 1977 |  | 239 | 189 | 29,361 | 31,647 | 17.6 | 3.9 | 13.7 | 2.18 | 7.77 |
| 1977 | Jan-Oct | $242^{(4)}$ | $192{ }^{(4)}$ | 25,431 | 27,718 | 17.5 | 3.8 | 13.7 | 2.18 | 7.77 |
| 1978 | Jan-Oct $p$ | $238{ }^{(4)}$ | $188^{(4)}$ | 17,735 | 23,823 | 17.2 | 4.1 | 13.1 | 2.23 | 8.49 |
| Per ce | nt change | -1.7 | -2.1 | -30.3 | -14.1 |  |  |  | +2.3 | +9.3 |
| 1977 | Aug | 238 | 188 | 2,409 | 8,243 | 15.5 | 3.1 | 12.4 | 1.95 | 7.58 |
|  | Sep* | 239 | 189 | 3,206 | 2,330 | 17.0 | 3.9 | 13.1 | 2.05 | 7.34 |
|  | Oct | 239 | 189 | 2,200 | 2,450 | 17.8 | 4.2 | 13.6 | 2.18 | 7.65 |
| 1978 | Aug | 235 | 186 | 1,633 | 5,033 | 15.1 | 3.3 | 11.8 | 1.99 | 8.27 |
|  | Sep* | 234 | 185 | 1,649 | 2,797 | 17.0 | 4.3 | 12.7 | 2.17 | 8.24 |
|  | Oct p | 233 | 184 | 1,316 | 2,196 | 17.6 | 4.5 | 13.1 | 2.28 | 8.49 |

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 system | Source ${ }^{1}$ |  | Coal | $\mathrm{Oil}^{3}$ | Total | Town gas | Natural ${ }^{4}$ gas for direct supply |
|  |  | Indigenous | Imported ${ }^{\text {2 }}$ |  |  |  |  |  |
|  | Million therms |  |  | Thousand tonnes |  | Million therms |  |  |
| 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 |
| Per cent change | +6.6 | +5.0 | +63.8 | $-5.3$ | -32.2 | +6.1 | -66.8 | +7.2 |
| 1977 Jan-Oct | 11,991 | 11,648 | 343 | 6 | 126 | 11,951 | 67 | 11,884 |
| 1978 Jan-Oct p | 12,431 | 11,179 | 1,252 | 5 | 240 | 12,432 | 32 | 12,400 |
| Per cent change | +3.7 | -4.0 | (+) | -16.7 | (+) | +4.0 | $-52.2$ | +4.3 |
| 1977 Aug | 723 | 701 | 22 | - | 5 | 718 | 3 | 715 |
| Sep* | 1,098 | 1,045 | 53 | 1 | 10 | 1,089 | 3 | 1,086 |
| Oct | 1,074 | 968 | 106 | - | 19 | 1,063 | 3 | 1,060 |
| Total | 2,895 | 2,714 | 181 | 1 | 34 | 2,870 | 9 | 2,861 |
| 1978 Aug | 698 | 646 | 52 | 1 | 16 | 690 | 2 | 688 |
| Sep* | 1,050 | 850 | 200 | - | 20 | 1,040 | 3 | 1,037 |
| Oct p | 1,054 | 845 | 209 | - | 20 | 1,057 | 3 | 1,054 |
| Total | 2,802 | 2,341 | 461 | 1 | 56 | 2,787 | 8 | 2,779 |
| Per cent change | -3.2 | -13.7 | (+) | - - | +64.7 | -2.9 | -11.1 | -2.9 |

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

|  | Total | Power stations ${ }^{1}$ | Iron and steel industry | Other industries | Domestic | Other ${ }^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1972 | 9,787 | 630 | 437 | 3,215 | 4,509 | 996 |
| 1973 | 10,729 | 285 | 396 | 4,150 | 4,815 | 1,083 |
| 1974 | 12,668 | 985 | 395 | 4,635 | 5,384 | 1,269 |
| 1975 | 13,112 | 858 | 371 | 4,645 | 5,891 | 1,347 |
| 1976 | 13,997 | 662 | 438 | 5,182 | 6,194 | 1,521 |
| 1977 | 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 |
| 1976 2nd quarter | 2,865 | 160 | 112 | 1,221 | 1,055 | 317 |
| 3 rd quarter | 2,149 | 129 | 99 | 1,066 | 686 | 169 |
| 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 |
| 3 rd quarter | 2,372 | 153 | 113 | 1,155 | 771 | 180 |
| 4th quarter | 4,256 | 166 | 110 | 1,470 | 2,035 | 466 |
| 1978 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 |

[^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 exchanges with Scotland.

TABLE 10. Sales of electricity by the public supply system

|  |  | Total | Iron and steel industry | Other industries | Domestic | Other ${ }^{1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1972 |  | 210,417 | 10,774 | 68,967 | 86,889 | 43,787 |
| 1973 |  | 225,267 | 11,646 | 75,327 | 91,299 | 46,995 |
| 1974 |  | 218,552 | 11,292 | 70,967 | 92,626 | 43,667 |
| 1975 |  | 217,924 | 11,164 | 70,854 | 89,214 | 46,692 |
| 1976 |  | 220,841 | 12,607 | 74,986 | 85,117 | 48,131 |
| 1977 |  | 225,655 | $12,310^{2}$ | 76,561 ${ }^{2}$ | 85,902 | 50,882 |
| Percen | nt change | +2.2 | -2.4 | $+2.1$ | +0.9 | +5.7 |
| 1976 | 2nd quarter | 48,537 | 3,071 | 17,910 | 17,148 | 10,408 |
|  | 3 rd quarter | 43,112 | 2,875 | 17,314 | 13,584 | 9,339 |
|  | 4th quarter | 62,957 | 3,453 | 20,203 | 25,296 | 14,005 |
| 1977 | 1st quarter | 67,181 | 3,273 | 20,458 | 28,564 | 14,886 |
|  | 2nd quarter | 52,535 | 3,054 ${ }^{2}$ | 18,993 ${ }^{2}$ | 18,803 | 11,685 |
|  | 3rd quarter | 46,077 | 2,911 ${ }^{\text {2 }}$ | $17,793{ }^{2}$ | 14,938 | 10,435 |
|  | 4th quarter | 59,862 | $3,072^{2}$ | 19,317 ${ }^{2}$ | 23,597 | 13,876 |
| 1978 | 1st quarter p | 67,847 | 3,369 ${ }^{2}$ | 20,514 ${ }^{2}$ | 28,380 | 15,584 |
|  | 2nd quarter p | 53,050 | 3,375 ${ }^{2}$ | 18,852 ${ }^{2}$ | 18,674 | 12,149 |
| Per cent change |  | +1.0 | +10.5 | $-0.7$ | -0.7 | +4.0 |

[^3]
## Petroleum

TABLE 11. Production, arrivals and shipments ${ }^{1}$

|  | Crude Petroleum |  |  |  |  |  |  | Petroleum Products |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Gross ${ }^{2}$ <br> Indigenous Production | Supply |  |  |  | Arrivals ${ }^{\text {4,5 }}$ | Shipments ${ }^{4,5}$ | Arrivals ${ }^{4}$ | Shipments ${ }^{4}$ | Net Arrivals | Bunkers ${ }^{6}$ |
|  |  | Total | Indigenous ${ }^{2}$ | Net arrivals | Other ${ }^{3}$ |  |  |  |  |  |  |
| 1974 | 410 | 113,478 | 250 | +111,418 | 1,810 | 112,822 | 1,404 | 14,256 | 14,396 | -140 | 4,759 |
| 1975 | 1,564 | 92,273 | 1,156 | +89,842 | 1,275 | 91,366 | 1,524 | 12,461 | 13,664 | -1,203 | 3,444 |
| 1976 | 12,036 | 98,384 | 11,511 | +86,181 | 692 | 90,466 | 4,285 | 10,422 | 15,726 | -5,304 | 3,569 |
| 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 | -21.9 | (+) | +22.0 | -11.4 | (-) | 20.7 |
| 1977 Jan-Sept | 27,490 | 69,451 | 27,230 | +41,843 | 378 | 54,076 | 12,233 | 8,910 | 10,971 | -2,061 | 2,221 |
| 1978 Jan-Sept p | 37,705 | 70,447 | 37,121 | +32,607 | 719 | 49,921 | 17,314 | 8,564 | 9,886 | -1,322 | 1,650 |
| Per cent change | +37.2 | +1.4 | +36.3 | -22.1 | +89.9 | -7.7 | +41.5 | -3.9 | -9.9 |  | -25.7 |
| 1977 Jul | 3,208 | 7,346 | 3,146 | +4,138 | 62 | 5,421 | 1,283 | 889 | 1,262 | -373 | 233 |
| Aug | 3,422 | 7,127 | 3,422 | +3,640 | 65 | 5,635 | 1,995 | 953 | 1,480 | -527 | 234 |
| Sept | 3,443 | 7,280 | 3,418 | +3,820 | 42 | 5,316 | 1,496 | 987 | 1,111 | -124 | 240 |
| Total | 10,073 | 21,753 | 9,986 | +11,598 | 169 | 16,372 | 4,774 | 2,829 | 3,853 | -1,024 | 707 |
| 1978 Jul | 4,553 | 7,652 | 4,535 | +3,007 | 110 | 5,481 | 2,474 | 803 | 1,276 | -473 | 222 |
| Aug | 4,602 | 8,044 | 4,515 | +3,431 | 98 | 5,263 | 1,832 | 779 | 1,337 | -558 | 174 |
| Sept p | 4,387 | 7,311 | 4,062 | +3,184 | 65 | 5,234 | 2,050 | 800 | 1,645 | -845 | 203 |
| Total | 13,542 | 23,007 | 13,112 | +9,622 | 273 | 15,978 | 6,356 | 2,382 | 4,258 | -1,876 | 599 |
| Per cent change | +34.4 | +5.8 | +31.3 | -17.0 | +60.3 | -2.4 | +33.2 | -15.8 | +10.5 |  | -15.3 |

1. Calendar months. 2. Including natural gas liquids (condensates). 3. Mainly recycled products. 4. Foreign trade as recorded by the Petroleum Industry and may differ from figures published in Overseas Trade Statistics. 5. Including process (partly refined) oils. 6. International bunkers

## TABLE 12. Refinery throughput and output of petroleum products ${ }^{1}$

Thousand tonnes

|  | Throughput of crude and process oils | $\begin{gathered} \text { Refinery } \\ \text { use } \end{gathered}$ |  | Total output of petroleum products ${ }^{2}$ | Gases |  | Naphtha (LDF) | Motor spirit | Kerosene |  | Gas/ diesel oil | Fuel oil | Lubricating oils | Bitumen |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Fuel | Losses |  | Butane and propane | Other petroleum |  |  | Aviation turbine fuel | $\begin{array}{\|l} \text { Burning } \\ \text { oil }^{3} \end{array}$ |  |  |  |  |
| 1974 | 111,217 | 6,946 | 1,211 | 103,060 | 1,602 | 272 | 6,448 | 14,520 | 4,475 | 2,564 | 27,641 | 40,022 | 1,455 | 2,129 |
| 1975 | 93,579 | 6,031 | 901 | 86,647 | 1,447 | 151 | 3,968 | 13,940 | 3,959 | 2,299 | 23,324 | 32,711 | 1,141 | 2,099 |
| 1976 | 97,784 | 6,342 | 1,158 | 90,284 | 1,575 | 158 | 4,583 | 15,232 | 4,163 | 2,458 | 24,198 | 32,695 | 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 |
| Per cent change | -4.3 | -1.6 | -10.3 | -4.4 | 2.3 | -10.1 | -2.1 | -2.8 | -3.8 | +0.2 | 3.0 | -6.8 | +5.3 | -0.8 |
| 1977 Jan-Sept | 70,147 | 4,617 | 825 | 64,705 | 1,133 | 106 | 3,359 | 11,092 | 3,148 | 1,684 | 17,597 | 22,850 | 1,021 | 1,422 |
| 1978 Jan-Sept p | 71,202 | 4,767 | 670 | 65,765 | 1,194 | 113 | 3,436 | 11,695 | 3,636 | 1,835 | 17,897 | 22,276 | 906 | 1,479 |
| Per cent change | +1.5 | +3.2 | -18.7 | +1.6 | +5.4 | +6.4 | +2.3 | +5.4 | +15.5 | +9.0 | +1.6 | -2.5 | -11.2 | +4.0 |
| 1977 Jul | 7,141 | 524 | 76 | 6,541 | 128 | 13 | 333 | 1,289 | 451 | 103 | 1,738 | 2,083 | 121 | 173 |
| Aug | 7,687 | 531 | 75 | 7,081 | 128 | 11 | 415 | 1,313 | 416 | 111 | 1,921 | 2,330 | 116 | 177 |
| Sept | 7,450 | 528 | 82 | 6,840 | 134 | 14 | 327 | 1,265 | 343 | 209 | 1,797 | 2,309 | 111 | 164 |
| Total | 22,278 | 1,583 | 233 | 20,462 | 390 | 38 | 1,075 | 3,867 | 1,210 | 423 | 5,456 | 6,722 | 348 | 514 |
| 1978 Jul | 7,586 | 532 | 65 | 6,989 | 122 | 13 | 340 | 1,344 | 484 | 105 | 1,921 | 2,175 | 125 | 183 |
| Aug | 8,278 | 540 | 100 | 7,638 | 129 | 15 | 398 | 1,450 | 490 | 107 | 2,111 | 2,450 | 121 | 189 |
| Sept p | 8,212 | 525 | 34 | 7,653 | 139 | 12 | 428 | 1,408 | 410 | 206 | 2,051 | 2,574 | 95 | 172 |
| Total | 24,076 | 1,597 | 199 | 22,280 | 390 | 40 | 1,166 | 4,202 | 1,384 | 418 | 6,083 | 7,199 | 341 | 544 |
| Per cent change | +8.1 | +0.9 | -14.6 | +8.9 | +0.1 | +3.0 | +8.6 | +8.7 | +14.4 | -1.4 | +11.5 | +7.1 | -2.2 | +5.7 |

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 ${ }^{1}$

|  | Total ${ }^{2,3}$ | Butane^ and propane | Naphtha (LDF) | Motor spirit | Kerosene |  |  |  | Gas/diesel oil |  | Fuel oil | Lubricating oils | Bitumen |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{gathered} \text { Aviation } \\ \text { turbine } \\ \text { fuel } \end{gathered}$ | Burning oil |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Premier | Standard |  | $\begin{aligned} & \text { Derv } \\ & \text { fuel } \end{aligned}$ | Other |  |  |  |
|  |  |  |  |  |  |  | Domestic | Other ${ }^{6}$ |  |  |  |  |  |
| 1974 | 92,342 | 1,414 | 7,700 | 16,484 | 3,690 | 603 | 1,770 | 436 | 5,518 | 13,581 | 36,810 | 1,045 | 2,241 |
| 1975 | 81,667 | 1,275 | 5,116 | 16,125 | 3,834 | 538 | 1,707 | 400 | 5,414 | 13,050 | 30,470 | 992 | 2,089 |
| 1976 | 80,291 | 1,330 | 5,404 | 16,879 | 3,989 | 576 | 1,686 | 372 | 5,594 | 12,984 | 27,825 | 1,011 | 1,867 |
| 1977 | 81,918 | 1,320 | 5,179 | 17,336 | 4,165 | 559 | 1,677 | 391 | 5,711 | 13914 | 27,772 | 1,029 | 1,847 |
| Per 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 |
| 1977 Jan-Sept | 59,612 | 968 | 4,014 | 12,867 | 3,168 | 376 | 1,196 | 275 | 4,218 | 9,877 | 19,741 | 779 | 1,406 |
| 1978 Jan-Septp | 61,809 | 969 | 3,783 | 13,693 | 3,425 | 368 | 1,183 | 303 | 4,300 | 9,816 | 20,443 | 769 | 1,429 |
| Per cent change | +3.7 | - | -5.8 | +6.4 | +8.1 | -2.1 | -1.1 | +10.1 | +2.0 | -0.6 | +3.6 | -1.2 | +1.6 |
| 1977 Jul | 5,522 | 84 | 432 | 1,490 | 423 | 6 | 59 | 20 | 453 | 643 | 1,609 | 81 | 163 |
| 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 |
| Total | 17,640 | 267 | 1,306 | 4,647 | 1,204 | 44 | 253 | 70 | 1,396 | 2,337 | 5,124 | 254 | 509 |
| 1978 Jul | 5,951 | 82 | 377 | 1,631 | 458 | 8 | 72 | 23 | 473 | 673 | 1,723 | 88 | 167 |
| Aug | 6,146 | 85 | 468 | 1,702 | 446 | 9 | 79 | 20 | 467 | 738 | 1,708 | 83 | 177 |
| Sept p | 6,479 | 97 | 362 | 1,598 | 456 | 18 | 119 | 24 | 489 | 889 | 2,006 | 84 | 182 |
| Total | 18,576 | 264 | 1,207 | 4,931 | 1,360 | 35 | 270 | 67 | 1,429 | 2,300 | 5,437 | 255 | 526 |
| Per cent change | +5.3 | -1.5 | -7.5 | +6.1 | +13.0 | -17.4 | +6.7 | -5.6 | +2.4 | -1.6 | +6.1 | +0.2 | +3.5 |

1. Calendar months. 2. Including other petroleum gases, aviation spirit, wide-cut gasoline, industrial and white spirits, and paraffin wax. 3. Excluding refinery fuel (and miscellaneous products prior to 1978). 4. Including very small amounts for petro-chemicals. 5. Now mainly for petro-chemical feed stock. 6. Including vaporising oil.

TABLE 14. Inland deliveries of petroleum products used for energy ${ }^{1,2}$
Thousand tonnes

|  | Total | Power ${ }^{2}$ stations | Gas works | Iron and steel industry | Other industries | Transport ${ }^{4}$ | Domestic | Other ${ }^{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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-Aug | 47,205 | 6,596 | 176 | 1,935 | 11,549 | 19,278 | 2,065 | 5,606 |
| 1978 Jan-Aug p | 49,021 | 7.519 | 225 | 1,877 | 11,553 | 20,305 | 2,070 | 5,472 |
| Per cent change | +3.8 | $+14.0$ | $+28.0$ | -2.9 | - | +5.3 | $+0.2$ | -2.4 |
| 1977 Jun | 5,237 | 793 | 15 | 220 | 1,157 | 2,484 | 131 | 437 |
| Jul | 4,797 | 672 | 13 | 188 | 943 | 2,525 | 108 | 348 |
| Aug | 4,967 | 566 | 13 | 193 | 1,044 | 2,659 | 126 | 366 |
| Total | 15,001 | 2,031 | 41 | 601 | 3,144 | 7,668 | 365 | 1,151 |
| 1978 Jun | 5,377 | 787 | 24 | 204 | 1,144 | 2,699 | 123 | 396 |
| Jul | 5,170 | 730 | 24 | 196 | 1,003 | 2,729 | 125 | 363 |
| Aug p | 5,281 | 725 | 25 | 165 | 1,051 | 2,804 | 137 | 374 |
| Total | 15,828 | 2,242 | 73 | 565 | 3,198 | 8,232 | 385 | 1,133 |
| Per cent change | $+5.5$ | +10.3 | $+78.0$ | -5.9 | +1.7 | $+7.4$ | $+5.4$ | -1.6 |

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, commerce and agriculture.

TABLE 15. Stocks of petroleum at end of month

|  |  | Held by oil companies ${ }^{1}$ |  | Power stations <br> Million tonnes |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Million tonnes | Estimated days' supply ${ }^{3}$ |  |
| 1977 | Aug | 21.0 | 89 | 0.94 |
|  | Sopt | 20.9 | 83 | 1.02 |
|  | Oct | 20.9 | 80 | 0.98 |
| 1978 | Aug | 19.2 | 78 | 1.04 |
|  | Sopt | 18.7 | 75 | 1.04 |
|  | Oct pi | 19.5 | 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 <br> tonnes coal <br> equiv. | Million <br> tonnes <br> oil equiv. | Million <br> therms | TWh <br> olectrical <br> onergy |
| :--- | :---: | :---: | :---: | :---: | :---: |
| To | TWh <br> electricity <br> generated |  |  |  |  |
| Million tonnes <br> coal equivalent | 1 | 1.7 | 0.004 | $0.135^{1}$ | $0.500^{2}$ |
| Million tonnes <br> oil equivalent | 0.60 | 1 | 0.00235 | $0.0800^{1^{1}}$ | $0.280^{2}$ |
| Million therms | 250 | 425 | 1 | 34.0 | 115 |
| TWh electrical <br> energy | 7.35 | 12.5 | 0.0295 | 1 | $\ldots$ |
| TWh electricity <br> generated | $2.00^{3}$ | $3.60^{3}$ | $0.00880^{3}$ | $\ldots$ | 1 |
| T The amount |  |  |  |  |  |

1. The amount of fuel (average grade) equivalent to 1 TWh of energy.
2. The amount of primary fuel (power station grade) to generate 1 TWh.
3. The amount of electricity generated by one million units of fuel shown.

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

## SUPPLEMENTARY DATA

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

|  | Imports (c.i.f) |  |  |  |  |  |  | Exports (f.o.b.) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Coal <br> (1) | Other solid fuel ${ }^{2}$ (2) | Natural gas (3) | Petroloum |  | Electricity <br> (6) | Total <br> (7) | Coal <br> (8) | Other solid fuel ${ }^{2}$ (9) | Potroloum ${ }^{3}$ <br> (10) | Eloctricity <br> (11) | Total <br> (12) |
|  |  |  |  | Crudo <br> (4) | Refined ${ }^{3}$ (5) |  |  |  |  |  |  |  |
| 1972 | 48.9 | 11.3 | 9.4 | 947.0 | 223.2 | 1.7 | 1,241.5 | 9.7 | 9.2 | 219.7 | - | 238.6 |
| 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 |
| per cent change | $-5.5$ | +27.9 | (+) | -10.7 | $+5.0$ | - | -7.5 | $+42.7$ | -4.4 | +68.2 | (-) | +64.7 |
| 1976 3rd quartor | 18.7 | 2.7 | 5.2 | 1,143.5 | 230.0 | - | 1,400.4 | 8.5 | 11.4 | 324.6 | 0.1 | 344.6 |
| 4th quartor | 18.7 | 2.2 | 4.5 | 1,238.3 | 231.6 | - | 1,495.3 | 9.6 | 12.9 | 380.7 | 0.7 | 403.9 |
| 1977 1st quartor | 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 | 268.0 | - | 1,311.6 | 11.7 | 10.3 | 452.2 | - | 474.2 |
| 2nd quartor | 16.4 | 1.2 | 35.1 | 806.7 | 225.3 | - | 1,084.7 | 11.1 | 13.1 | 501.2 | - | 525.4 |
| 3rd quarter p | 21.1 | 1.5 | 22.0 | 890.7 | 211.5 | = | 1,146.8 | 11.8 | 13.1 | 639.8 | - | 664.7 |
| Per cent change | $-23.4$ | $-51.2$ | ( + ) | $-3.6$ | -10.4 | - | -4.0 | +1.2 | +30.7 | +9.1 | - | +9.3 |

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 $0 . g$., lubricants.

[^0]:    This Bulletin is prepared by the Economics and Statistics Division of the Department of Energy. Further copies of the Bulietin are available from Distribution Section (H), Central Office of Information (COI), Hercules Road,
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[^1]:    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. 10. Coke oven gas, creosote/pitch mixtures and other liquid fuels derived from coal. 11. Natural gas supplied direct, and town gas. 12. Mainly public administration, commerce and agriculture.
[^2]:    1. Public supply and transport power stations. 2. Public administration and commerce.
[^3]:    1. Mainly commerce, public adminstration and agriculture. 2. Contains a small degree of estimation.
