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THE COMMUNITY COAL MARKET IN 1982 AND THE OUTLOOK FOR 1983

SUMMARY



The Community coal market in 1982 and the outlook for 1983

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I. SUMMARY (Tables 1A and 1B)

In 1982, for the third year running, the Community registered a significant drop in its gross internal consumption of energy. At 891 million tonnes of oil equivalent - a figure that was 2% down both on the results for 1981 and the initial forecast for 1982 - the level of energy consumption was the lowest since 1975.

As to solid fuels, hard coal and brown coal maintained their share of the Community's gross internal consumption at 1981 levels - 20.5% and 3.7% respectively. Both figures were slightly up on 1980, and no significant change is expected in 1983.

While oil's share is declining, those of nuclear power and natural gas are on the increase.

The total supply of coal for the Community as a whole amounted to 317 million tonnes in 1982, 5 million tonnes down on 1981. The decrease is mainly confined to Community production, which at 241.3 million tonnes was 4.3 million tonnes less than in 1981; recoveries remained close to 6 million tonnes and imports from non-member countries fell back marginally to 70 million tonnes.

Demand for Community coal declined both inside the Community and outside. The sudden worsening of the steel crisis in 1982 caused an unexpectedly rapid and widespread reduction in deliveries of Community coking coal and coke. These will probably continue to decline slightly in 1983 as a result of technological progress.

Power stations, however, continued, and will continue, to increase their consumption of hard coal, accounting for about 60% of the Community's annual coal requirement.

Coal consumption by industry also continued to increase (by 20% in 1982) and should benefit further from the measures taken by the public authorities.

Stocks of hard coal and coke held by producers, major consumers and others increased again during 1982. By the end of the year they accounted for 138 million tonnes, or 20 million tonnes more than in 1981 - the equivalent of the average consumption during 164 calendar days.

In short, the coal market in 1982 can be regarded as a buyer's market, which was not the case in 1981. Prices, especially for individual loads, fell, particularly during the last few months of the year. Such a trend, which favours consumers, could help to expand demand, particularly if it continues in 1983, as seems probable.

This tendency could create more difficulties for Community collieries which experienced serious stockpiling problems at the end of 1982 and whose production costs went up despite rationalization measures and an improvement in output per miner.

II. GENERAL ECONOMIC SITUATION AND OUTLOOK⁷ (Table 2)

1. Recent trends: 1982

Overall production is very likely to have remained virtually stagnant in 1982: growth in real terms for the Community as a whole is expected to be only 0.1% on average for the year as a whole, whereas most national and international forecasts had put it at 2%.

One of the main reasons for this stagnation is the exceptionally high level, and instability, of interest rates around the world, which were widely affected by US rates.

The continuing recession throughout the OECD area and the general climate of uncertainty have resulted in serious financial hardship for many companies. The assumption is, therefore, that companies will not decide to invest in new ventures, reconstitute stocks and create new jobs until the fall in interest rates can be considered to be a lasting phenomenon.

Although some progress was made in controlling inflation, unemployment continued to spread. The further decline in the number of jobs, coupled with the continuing increase in the working population, meant that the average unemployment level for 1982 was as high as 11 million (9,4% of the working population), and could be even more by year end.

The Community's balance-of-payments deficit on current account for 1982 should be slightly over \$14 000 million (0.4% of GDP), as against \$19 000 million in 1981 (0.8% of GDP). While the overall deficit appears fairly small, there are considerable differences from one Member State to another.

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¹Further details are given in the Annual Economic Report 1982-83 (COM(82)677 final) published in European Economy No 14, November 1982.

The expansion of the Community's exports, which was considerable in 1981, slowed significantly in 1982, the volume of world trade having decreased as a result of the growing financial difficulties of OPEC and the developing countries and of the continuing stagnation in the OECD countries. The downturn in exports was followed by a further drop in demand within the Community.

2. Outlook for 1983

According to the forecasts, economic activity within the Community will remain at a very low level in 1983. In view of the low level at the beginning of 1983, as a result of the slowing-down in the second quarter of 1982, overall production in the Community could increase by about 0.3% over the year as a whole, which indicates a degree of recovery in the second half.

This weak-growth forecast assumes that household consumption will virtually stagnate, as a result of the stabilization of disposable income in real terms. On the other hand, investment should pick up slightly in the second half of the year, as long as the fall in interest rates continues and company profitability improves. Demand should be sustained, moreover, by restocking on a limited scale after the decline in stock levels in the second half of 1982.

The number of unemployed should continue to rise until the final months of 1983 and should exceed 12 million, as a result of both a slight additional contraction in employment and more people coming on to the labour market, as has been the pattern in recent years.

A fourth year of recession has begun. On the face of it, this extremely serious situation is the result of two successive shocks: the second oil crisis of 1979-80 and the problem of interest and exchange rates which arose in 1981-82. On closer inspection, however, there is another, more profound cause, namely the vulnerability of the Community's and the world's economic structures a vulnerability which has increased over the years and has become the crucial problem for the 1980s.

III. COAL DEMAND BY SECTOR (Table 3)

1. Steel (Tables 4, 5A, 5B and 6)

As a result of the steel crisis, coke consumption in the Community's steel industry, which had fallen from 63 million tonnes in 1977 to 53 million in 1981, fell by another 7.5 million tonnes in 1982 to 45.5 million tonnes.

This coke is used almost entirely for pig-iron production; the latter, however, declined even more sharply from 1981 to 1982 than steel production (pig iron down 11.4 million tonnes, or 13%; steel down 12%). While the pig-iron to steel ratio remained more or less stable at about 0.7:1 for the Community as a whole, the decline in steel production was greater in those Member States with the highest ratios. In Italy, where the ratio was only 0.5:1, the fall was a more 3%.

The downturn in pig-iron production was only partially offset by the increase in the specific coke input (consumption of coke per tonne of pig iron). The latter, which was in decline until 1978, has since recovered, rising from 500 kg to 530 kg (Community average). It would now appear to have stabilized at 530 kg, after rising to 533 kg in 1981. The recent increase was due largely to extensive conversion from oil to coke in blast furnaces; the scale of this, however, was partly offset by the energy savings that have gradually been made in this sector.

Table 5B shows the total consumption of coke and fuel oil in this sector for 1980 (ore sintering included).

At present, steel production is controlled by forward programmes established every quarter and the quota system for steel companies introduced in 1980¹.

Steel production in 1982 was about 111 million tonnes, as against 126 million in 1981. The current forecast for 1983 is 105 million tonnes. Pig-iron production amounted to 88 million tonnes in 1981, 77 million in 1982, and is expected to amount to 73 million in 1983. Since the latter figure allows for new developments in continuous casting, coke consumption in the Community steel industry can be expected to total about 43 million tonnes.

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¹Decision No 1696/82/ECSC (OJ L 191, 1.7.1982) is in force until 30 June 1983.

2. Power stations (Tables 8A, 8B, 8C, 8D, 8E and 8F)

2.1 Net electricity consumption in the Community in 1982 (1 210 TWh) was almost the same as in the previous two years.

As in 1981, demand was more sustained in the services and household sectors.

In 1983, electricity consumption could go up by about 1.5%, provided economic conditions improve.

2.2 Net electricity generation in 1982 stayed the same as in 1981. Coal's contribution went up again, but by much less than in 1981. Oil's share fell once more by 12%, whereas nuclear power's share rose again by 12%. The breakdown by source for 1982 is as follows:

	%
Solid fuels	43
Nuclear power	19
Hydroelectric	12
Oil products	17
Natural gas	7
Other	2
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100

Total

1983 should see a further increase in nuclear power's share, while that of coal should remain steady.

2.3 The picture as regards coal consumption by power stations in the Community (colliery and industrial power plants and public power stations) will probably be as follows:

	million tonnes	
1981:	179	
1982:	182	
1983:	186 to 191 depending on the	economic situation

(provisional figures)

This represents about 60% of the Community's annual coal requirement.

Supplies to public power stations went up by 6 million tonnes from 1981 2.4 to 1982, or by 3%. This increase was accounted for by national hard coal (6 million tonnes), intra-Community trade remaining stable at nearly 7 million tonnes and imports from non-member countries falling back by 1.5 million tonnes More than 8 million of the 172 million tonnes of total deliveries were (4%). earmarked for stocks (movements differed from one Member State to the other, as indicated in Chapter VIII). Effective consumption in 1982 was therefore about 164 million tonnes, or 90% of the gross figure for all power stations. On a country by country basis, the trend in supplies between 1981 and 1982 shows fewer pronounced differences than between 1980 and 1981. The continued increase in the case of Germany (of 2.5 million tonnes, or 6%) and the decrease in the case of France (of 1.7 million tonnes, or 11%) should be noted.

In 1983, total supplies to public power stations should stay at the same level (172 million tonnes), but there may be fluctuations in some Member States: a downturn in the United Kingdom, for instance, and an upswing in France.

2.5 Conventional thermal power stations (Tables 8E and 8F)

The data in Tables 8E and 8F are not directly comparable with those published with the same numbers and headings in the Commission's report on the Community coal market in 1981 and the outlook for 1982². Whereas the latter gave the gross power-station capacity in megawatts, it is now the net capacity which is used, and this obviously involves slightly lower figures.

The new data, taken from a UNIPEDE report³ of September 1982, show that by late 1981 solid-fuel-burning capacity (115 000 MW) represented 50% of total conventional thermal power-station capacity, i.e. that which burns fossil fuels (Table 8E). Table 8F shows the solid-fuel-burning capacity (24 000 MW) which by the end of 1987^4 will be added to, or will partially replace, the capacity listed in 8E; the most significant developments will be in Germany, Greece and Italy.

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¹155 million tonnes of brown coal, mainly in Germany and Greece (see Table 8C), should be added to this.

²OJ No C 131, 24.5.1982.

³Programmes and prospects for the electricity industry: 1982-87 and 1988-95 (12th edition).

⁴The table does not go beyond 1987 and thus does not cover all the "other projects" in the last column of Table 8F in the 1981/82 report.

3. Other industries (Table 9)

Coal consumption by this sector continued to progress, although at a slower rate than forecast. The actual increase (20%) was such that more than 17 million tonnes of hard coal and 4 million tonnes of coke were consumed in 1982.

The process of conversion from oil to coal was virtually completed in the cement factories of Belgium, Germany and the United Kingdom. It is still in progress in the other Member States, but the end is in sight, especially as the prospects for the cement market are limited.

The "miscellaneous industries" sector still consumed about 75 million tonnes of fuel oil, or some 110 million tonnes of coal equivalent. There is therefore still considerable conversion potential.

The measures taken in this field by coal suppliers and certain public authorities could soon start to have a greater impact. In the United Kingdom, the number of factories which have converted to coal is now greater than the number closing down. The fact that coal has maintained its price advantage over fuel oil is an encouraging factor for firms contemplating conversion to coal.

As to 1983, it is expected that the total consumption of hard coal and coke will continue to rise - to around 23 million tonnes. In addition, some 2 million tonnes of pulverized brown coal will be consumed.

4. Domestic sector (Tables 10A and B)

This sector consumed about the same overall tonnage of solid fuels as did "other industries" but the proportions were different:

	<u>million tonnes</u>
Hard coal	16
Patent fuels	3.5
Coke	3.5
Brown coal briquettes	3.5

This market has shown a downward trend for many years now, particularly in France. The price differential between house coal and domestic heating oil is generally smaller than that between the corresponding products in industry. It has not always been possible to find substitutes which will satisfy consumers for certain traditional grades that are now unavailable. The new impetus given to coal-fired collective heating in various countries could help to reverse this trend.

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IV. COMMUNITY COAL PRODUCTION

1. Production statistics

(a) Quantitative analysis of production (Tables 11 and 12)

For various reasons, and with divergent trends in the different Member States, coal production in the Community as a whole went down by 4 million tonnes in 1982 - a trend which should continue at the same rate in 1983. The decline may even be as much as 5.3 million tonnes in Germany. Undertakings will resort to introducing short-time working and closing marginal pits. These measures are prompted by a desire to rationalize and prevent further stockpiling as much as possible. Steps are also being taken to improve sales.

(b) Manpower and productivity (Tables 13 and 14)

The tendency for manning levels to fall continued in 1982, for the Community as a whole. The average level for 1983 should be 326 000 miners, or about 10 000 below the 1982 figure. This reduction will affect all coal fields in the Community.

Productivity - expressed in kg per man/hour - was highest in the Federal Republic of Germany. The increases in productivity in 1982 were relatively slight, and productivity even fell by 4% in France. In 1983, it is expected that productivity will rise again in general, thanks to a high level of investment.

2. Financial developments

(a) Costs and proceeds (Table 15)

In 1982, coal production costs generally rose in the Community; wage increases outstripped improvements in productivity, and the prices of mining machinery and supplies rose.

In France, the rate of increase in costs was greater than the inflation rate; production costs in Belgium, on the other hand, fell.

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The rate of increase in costs is expected to fall this year.

As regards the proceeds from Community coal, the pattern in 1982 varied from one Member State to another; a considerable increase was recorded in Belgium.

The gap between costs and proceeds widened in 1982 in France and the United Kingdom, but narrowed in Belgium and the Federal Republic of Germany. Taking the average for the Community, proceeds from Community coal registered only a slight upturn as a result of the trend in the prices charged for coal on the world market.

The financial situation of the Community's two main coal producers developed as follows in 1982: German collieries recorded a slight improvement, but those in the United Kingdom fared worse.

The profitability of the coal industry is not expected to change significantly in 1983.

(b) Financial intervention by Member States (Table 16)

Unlike previous years, 1982 saw an overall reduction in the amount of aid per tonne of Community coal; the amount varied, however, from one producer country to another. In Belgium, Germany and the United Kingdom it fell, whereas it rose by about a third in France. Moreover, there was still a considerable gap between the amount of aid granted in Belgium and France (31 to 32 ECU per tonne) and that in Germany and the United Kingdom (6 to 8 ECU per tonne).

During 1982, the total amount of subsidy granted under Decisions 73/287/ECSC and 76/528/ECSC to Community coal producers was about 2 200 million ECU.

3. Developments in production capacity

(a) Investment in coal extraction and preparation (Table 17)

Investment in the coal industry reached the record level of 1 800 million ECU in 1982. Certain large-scale projects were based on rationalizing production, as in Germany, while in other cases the building of new extractive plants continued, as at Selby in the United Kingdom. It is expected that investment will slow down in 1983, since the undertakings' financial situation will be more precarious and the forecasts for market and production trends are less optimistic.

(b) Pit closures (Table 18)

In 1982, 6 pits in the United Kingdom - with a capacity of 1.3 million tonnes - were closed.

There were no closures in the other Member States.

In 1983, one mine is scheduled to be closed in the Federal Republic.

V. Coal prices

In view of the considerable fluctuations in exchange rates, the following list showing the movements of the US dollar against Community currencies may prove useful:

1 US dellar =	Bfrs	Dkr	DM	FF	Lit	<u>F1</u>	£ .	Dr	E6U
4 January 1982	38.03	7.28	2.23	5 .6 5	1192	2.45	0.517	57.215	1.0892
1 July 1982	47.06	8.25	2.46	6.83	1385	2.72	0 .576	69 .26	0.9589
3 January 1983	46.6 9	8.39	2.37	6.73	1368	2.63	0.616	70.75	0.9688

1. Listed prices (Tables 19A and 19B)

Tables 19A and 19B show the listed pre-tax pithead prices for certain coal fields and types of coal in national currencies and US dollars.

The listed prices for Community coal continued to increase in 1982 at more or less the same rate as in the three preceding years; the increases ranged from 3% to 40%.

There was a downward movement, however, in the United Kingdom.

The situation was as follows in the individual Member States:

Belgium:

Total increases for 1982 ranged from 10% to 21% compared with the end of 1981. A general price increase of 3% to 5% on 1 January 1982 was followed by a 10% increase for domestic ceal on 1 May. Coal for industrial and domestic use went up by 4% to 8% on 1 July. Anthracite was raised again by 2% to 3% on 1 October.

Coke prices went up by 3% to 43% at various dates.

Prices of coking coal and washed fines were raised by 3% to 5% on 1 January 1983.

Cormany:

The overall concases for 1932 ranged from 3% to 15%. Those which occurred on 1 April . The and 1 June, speading on the pr ducts and undertakings, ranged from 17 to 10% or it restrict coals and from 1% to 13% for undustrial and such these All prices were then raised on 1 October by 2% to 5%. A further increase of 2% to 6% was applied to domestic coal on 1 November.

France:

Overall, prices were raised by 7% to 30% in 1982 (the increase was 30% in the case of coking coal and 10% for power-station coal).

Two general increases were made on 1 February and 1 April (7% to 15%). On 1 July, prices went up by 12% for coking coal, 11% for blast-furnace coke and 10% for power-station coal. On 1 January 1983, there was an increase of 4% to 12% (2% for power-station coal), except as regards coking coal and blast-furnace coke.

United Kingdom:

On 1 March, the price of anthracite, lean coal, domestic coke and smokeless fuel was cut by 1%. The British Steel Corporation cut the selling price of its coke by 12%.

A single price rise, ranging from 5% to 10%, was introduced on 1 November.

Italy: Coke prices were raised by 6% to 13% on 23 August.

2. Coking coal (Table 20)

The guide price¹ fell by 8% from US \$86.55 - the record so far - to US \$79.70 per tonne (a fall of \$7) between 1981 and the end of 1982.

The fall in the guide price resulted mainly from the slashing of the demurrage charges for vessels awaiting loading in American and Australian ports, where the congestion has eased. The charges fell from \$%8.90 per tonne at end 1981 to \$%0.55 at end 1982. The fall of \$%1.60 per tonne (i.e. 17%) in the mean Atlantic freight rate was offset by the rise in the ether price components.

A comparison of the guide price and Community prices for coking coal in 1982 - in two currencies, by way of illustration is given below:

Average value cif ARA for coking coal imported from the USA under medium-term and long-term contracts.

	End 19	81		End 19		Difference		
	US-8/t	DM/t	t/t	US-\$/t	DM/t	t/t	in %	
(wide price (d/+)	86, 55			79,70			- 8	
Guide price (\$/t) Guide price (DM/t)		201, 14	Į		201, 16		0	
Guide price (£/t)			47, 16			47, 01	- 0 ₄ 3	
Listed price (DM/t) ¹		244,50	1		253,50	1	+ 3+7	
Listed price $(t/t)^1$	}		55,50			59,50	+ 7,2	
Differential		43.36	8,34		52,34	12,49		
Not adjusted for qualit	у-							

The table shows that the gap between Community coal prices and imported coal prices widened (from DM 43 to DM 52, and from £8 to £12 per tonne).

It is also clear that the increase in the dollar exchange rate completely offset the fall in the guide price during the period concerned.

The new differential is the result, therefore, of increased production costs in the Community.

3. Steam coal (Table 20)

The average prices cif ARA for coal imported from non-member countries for Community power stations also fell (from \$72 to \$70 between the fourth quarter of 1981 and the third quarter of 1982^{1}).

Comparable prices for Community coal ranged from \$99 to \$125 at the end of 1981 and from \$121 per tonne at the end of 1982¹.

4. Comparison of the prices for coking coal and steam coal imported from non-member countries

On the basis of the data gathered by the Commission for calculating the average

Coking coal	End 1981	End 1982
1. \$ per t (t = t)	83,29	76,58
2. Guide price, \$/t	86,55	79,70
3. LCV (kJ/kg) of 2	31,124	31,124
4. ECU per t at 29.3 CJ	75,40	77,46
Steam coal	End 1981	End 1982
5. § per t (t = t)	62,81	62,13
6. LCV (kJ/kg) of 5	25,556	26 124
7. ECU per t at 29.3 GJ	65,86	72,54
8. Ratio of 4:7 in %	114 %	107 %

The figures show that, at the same calorific values, coking coal continued to lose ground to steam coal on the world market.

Prices are on the basis of one tonne = 29.3 GJ.

5. Consumer prices

The Commission has started to publish a bulletin of energy prices which will provide a periodic review of the consumer prices of petroleum products, coal, gas and electricity in the Member States.

In the domestic sector, it is generally anthracite of screen sizes 10-20 mm or 20-30 mm, with a lower calorific value of between 29.3 and 33.5 GJ per tonne, that is monitored. In the case of Italy, it is coke. (Deliveries of 1 000 kg).

The price components, supplied in national currencies, have been converted into ECU per tonne at 29.3 GJ so as to allow comparison.

The trend for the period from the beginning of 1981 to the beginning of 1982 is as follows:

	Free at do	mestic con	nsumer pri	ice (ECU/1	tce) inclu	usive of t	tax
	D	В	F	I	NL	UK	IRL
1.1.81	166.60	189.84	217.43	217.17	179.77	172.20	124.66
1.1.82	185.61	207.72	247.88	250.60	203.79	188.72	150.16
+ %	11.4	9•4	14.0	15•4	13.4	9.6	20.4

At 1 January 1982 the above prices for coal compared as follows with those for domestic heating oil:

<u>]</u>	Prices t	o domestic	consumers	(ECU/GJ),	inclusiv	ve of tax	
	D	В	F	I	NL	UK	IRL
Coal	6.3	4 7.11	8.45	8.52	6.96	6.40	5.10
Heating	oil 9.4	0 9.23	9•95	9.37	9.80	9.68	9.08

A similar comparison of the products for industrial use gives the following figures:

	Prices to	industrial	consumers	(ECU/C	J), inclu	sive of t	ax
	D	В	F	I	NL	UK	IRL
Coal	3.42	4	3.04	6.08		3.32	3.51
Fuel oil	5.38	5.15	5•44	5.0	-	5.26	7•45
Industri gas	al 7.34	5.96	5•14	5•53	-	4.88	-

For Community coal the price advantage, at the same calorific values, is generally lower than that which emerges from the preceding table, and it tended to decline during 1982. Clearly, quoting a single price for each country fails to express the variety of possible consumer situations as a result of their geographical location, the various origins and characteristics of the types of coal used, and the conditions under which boilers are used, etc.

VI. COKE

1. Coking capacity (Table 21)

At the end of 1982 coke production capacity amounted to 71.1 million tonnes, or 3.1 million less than at the end of 1981.

This drop is again due mainly to closures in the United Kingdom; one of these, accounting for one million tonnes, was for repair reasons and is thus temporary. One steel-industry coking plant was shut down in Germany.

In 1983, total capacity should remain unchanged, the reintroduction into service of the UK coking plant compensating for the closure of a colliery coking plant in Germany and one in France, and of a steel-industry coking plant in the United Kingdom. However, worsening prospects for the coke market and the cost of extra stockpiling could lead to further measures, resulting in a greater reduction of coking capacity in the Community than is currently forecast.

2. Coke production and coal supplies to coke ovens (Tables 22 and 23)

At 60 million tonnes, coke production was 4 million tonnes, or 6%, less than in 1981. This trend was apparent in all the countries.

In 1983, the level of production will probably drop below 57 million tonnes, but even this will be achieved only if part of the Federal Republic's estimated production is stockpiled. Only Italy will maintain production at the 1982 level.

The trend for supplies of coal to coke ovens was broadly the same as that for production: at 80.6 million tonnes, supplies were 4.6 million tonnes down on 1981. The reduction was confined almost entirely to Community coking coal; supplies of coal from non-member countries remained constant.

In 1983, coke-oven requirements will probably be about 75 million tonnes, or one quarter of the Community's total requirement of coal. A drop in supplies of national and outside coal may be expected, with trade staying at the 1982 level. As in 1982, coal from non-member countries will probably account for 28% of supplies to coke ovens and one third of all imports.

VII. TRADE IN COAL AND COKE

1. Intra-Community trade (Tables 24 and 25)

Deliveries within the Community consist almost entirely of hard coal and coke; brown coal and peat are not very significant, as was stated in the Commission's report on the subject.

Trade in hard coal and coke involves all consumer sectors, but mainly coke ovens and steelworks; the remainder is divided among power stations, other industries and households.

The principal supplier is Germany, followed by the United Kingdom.

For some years now, trade has been falling off, despite an upswing in 1981. The trend since 1980 is as follows:

(million tonnes)

	1980	<u>1981</u>	1982	<u> 1983</u> (forecast)
Hard coal	17.2	19.9	16.6	15.8
Coke	7.6	6.9	5.6	_5.9
Total	24 •8	26.8	22.2	21.7

Trade in hard coal increased in 1981 largely as a result of an increase of 3.6 million tonnes in deliveries from the United Kingdom and a reduction in deliveries of Polish coal.

The drop in 1982 compared with 1981 affected both German and British coal (down 1.7 and 1.4 million tonnes respectively); the fall in coke affected Germany only (down 1.3 million tonnes).

The forecast for 1983 puts the total trade in hard coal and coke (the latter expressed as hard coal) at about 10% of Community production and 33% of Community imports of hard coal.

This trade often follows a traditional pattern. Its decline is often linked to a fall in demand from - or even the disappearance of specific customers. Such is the case with coking coal and coke delivered by German producers to the steel industry in other Member States, or again with the coal used for manufacturing patent fuel for household consumption. Another factor limiting the volume of trade is the size of the price reductions on Community coal sold in other countries, where customers very often require prices to be aligned on those for coal imported from non-Community sources.

After a brief respite in 1981, when the price of coal from non-member countries rose steeply as a result of exceptionally high demurrage charges on vessels awaiting loading, and despite the dollar's considerable increase in value in 1982, the gap between the production costs of Community coal and the cif prices of imported coal widened.

When Community coal has to be transported to European ports, where for instance a considerable proportion of steelmaking activity is located, alignment also has to offset the transport costs involved, which range from 5 to 19 ECU/t depending on the route concerned. Even where coal from non-member countries is conveyed to inland plants, the costs from the port of importation are often lower than those engendered by Community coal: overall, the transport differential puts the latter at a disadvantage, except when it is consumed near a coalfield.

2. Trade with third countries

(a) Imports (Tables 26 and 27A)

At 70 million tonnes, supplies from non-member countries plateaued at the level for 1981, the year when the upward trend from the figure of 38 million tonnes in 1974 dipped.

The volume of imports fell significantly in three Member States: France (down 3 million tonnes), Denmark and the United Kingdom. It rose in Belgium, Germany, Italy and the Netherlands.

On the supply side, the United States (with 36 million tonnes) still supplies over half the Community market, and South Africa still accounts for a quarter, despite a reduction of 1.7 million tonnes. Poland occupies third place, with exports up by 3.8 million to 8 million tonnes, almost twice their former level. Supplies from Australia have fallen to 6.8 million tonnes (down by 0.8 million).

These tonnage movements were accompanied, especially at the end of the year, by price concessions by sellers wishing to safeguard or recapture their market share.

In 1983, imports of coal from non-member countries should stay at about 70 million tonnes; a definite increase (3 million tonnes) is expected in France, and Italy, too, will probably purchase more. On the supply side, Poland and Australia should step up their deliveries, while imports from the United States should decline.

(b) Exports (Table 27B)

After the big jump in 1981 (up from 0.9 to 3.6 million tonnes), the glut on the world market in 1982 caused exports to weaken by about 0.9 million tonnes, which affected both the United Kingdom and the Federal Republic.

The coke market shrank, too, for Germany and Belgium (combined loss: 800 000 tonnes).

A slight recovery is expected in 1983 for hard coal, exports of which should rise again to above 3 million tonnes; as regards coke, this level will probably no longer be reached. At the end of 1982, the estimated total stocks of coal (including coke expressed as coal equivalent) amounted to 138 million tonnes for the whole of the Community, or 20 million tonnes up on the end of 1981. This figure represented the consumption during 164 calendar days.

These stocks can be subdivided among three main groups: hard-coal and coke producers (57 million tonnes), power stations (54 million) and others (27 million).

1. Producers' stocks of coal and coke (Table 28A)

Contrary to previous years, the figures given in this table do not include those in the German national reserve, which now comes under the heading "other stocks".

Pithead stocks of hard coal rose by 3 million tonnes in 1982. This development was the result notably of a major increase in the Federal Republic (up by 5.5 million tonnes), offset by a fall of 1.9 million tonnes in France.

The sum represents production during 64 calendar days (extremes: 25 days in Belgium, 118 in France).

In 1983, it is expected that there will be a further overall rise, with an increase of 2.5 million tonnes in Germany and stockpiling of 6 million tonnes in the United Kingdom. Community stocks would then represent production during more than 70 calendar days.

Coke stocks exceeded 11 million tonnes — an increase of more than 4 million tonnes, mainly in Germany. In 1983 the latter will probably stockpile over 3 million tonnes of its production. This would raise the Community level to more than three months of production.

2. Stocks of coal at power stations (Table 28B)

These stocks rose from 40 million tonnes at the end of 1980 to 46 million tonnes by the end of 1981 and 54 million tonnes by the end of 1982. Stockpiling considerably exceeded the consumption trend. In 1982 the increase in the United Kingdom was nearly 10 million tonnes - much greater than pithead destocking during the same period. In France, on the other hand, stock levels rose by 2.5 million tonnes for financial reasons. For 1983, a further increase of one million tonnes is expected in Germany and Italy.

Total stocks at the end of 1982 were the equivalent of consumption during 105 calendar days for the Community as a whole (285 days in the case of Denmark).

3. Other stocks (Tables 29A and B)

In addition to the abovementioned categories of stocks, there are also coal stocks at coke ovens (5.2 million tonnes), in ports and depots (15.8 million tonnes) and miscellaneous stocks of coke (4.6 million tonnes). The greater part of these consists of the German "national reserve" (7.2 million tonnes of hard coal and 3 million tonnes of coke): the rest belongs to producers, consumers (mainly power stations and coke ovens) or dealers. The total is equivalent to 27 million tonnes of coal.

4. The degree of security provided by stocks (Table 30)

Taken together, the three categories of stocks analysed above provide cover, measured in calendar days, of average consumption of coal and coke, ranging between 50 days in Italy and 260 days in Denmark; these extremes are less far apart than they were in 1981.

The Community average is 164 days, a figure to which the United Kingdom and the Netherlands are very close.

TABLE 1 A

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Shares of the various forms of primary energy in gross internal energy consumption

	1980 (Eurostat)		1	1981 (Eurostat)		1982 Estimate		1983 Forecast	
	million toe	%	million toe	%	million toe	%	million toe	%	
Hard coal	189.8	20.1	186.4	20.5	183	20.5	186	20.5	
Lignite	32.9	3,5	33.5	3.7	33	3.7	34	3.7	
Oil .	493.8	52.3	451.7	49.7	434	48.7	430	47.5	
Natural gas	169.3	18.0	165.8	1.8.2	163	18.3	167	18.5	
Nuclear energy	42.7	4.5	56.6	6.2	63	7.1	73	. 8.1	
Other	15.4	1.6	15.8	1.7	15	1.7	15	1.7	
TOTAL	943.9	100.0	909.8	100.0	891	100.0	905	100.0	

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	Belgique	Danmark	Deutsch- land	France	Hellas	Ireland	Italia	Luxem- bourg	Neder- land	United Kingdom	EUR-10
Solid fuels	11.19	4.87	83.84	28.54	3.64	1.69	11.95	1.51	3.75	68.89	219.87
%	25.8	28.9	32.5	15.8	24.5	21.2	9.2	47.6	6.2	35.4	
Petroleum product	s 20.62	11.49	114.90	96.55	10.86	5.08	90.77	1.06	26.78	73.63	451.74
%	47.6	68.2	44.5	53.5	73.2	63.8	69.6	33.4	44.1	37.9	49.7
Natural gas %	8:22 19.0	-	42.54	21.89 12.1	-	1.12	. 21 . 93 16 . 8	0.32 10.1	.28.92 47.7	40.87 21.0	165.82 18.2
Nuclear %	3.19 7.4	-	13.54 5.3	27.51 15.3	-	-	0.79 0.6	-	0.94	10.61 5.5	56.59 6.2
Other	0.11	0.48	3.02	5.93	0.34	0.07	4.95	0.28	0.29	0.38	15.82
%	0.2	2.9	1.2	3.3	2.3	0.9	3.8	8.9	0.5	0.2	1.7
TOTAL	43.33	16.84	257.86	180.41	14.84	7.97	130.39	3.17	60.66	194.37	909.84
%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Gross internal consumption of energy in 1981

(in million toe)

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Gross domestic product in real terms • (Percentage variation compared with previous year)

1 <u>7</u> 1				(%)
		1981 Actual	1982 Estimates	1983 Forecasts
Belgique-Te		- 1.1	- 0.5	- 0.5
Denmark		- 0.2	- 2.1	- 2.4
Deutschland		0.0	- 0.5	1
Hellas		- 0.7	0.7	1.9
France		0.2	1.1	1.0
Ireland		1.8	2.0	2.4
Italia		- 0.2	0.8	1.0
Luxembourg	' · · · ·	- 2.4	~ 0.3	1.0
Nederland		- 1.4	- 0.5	- 0.3
United Kingdom		- 1.2	0.6	1.7
EUR-10		- 0.3	0.4	1.1

I	1981	1000	1007	%	×	
. 1	Actual	1982 Estimates	1983 Forecasts	ہ 1982 /1981	4 1983/1982	
A. SECTOR						
Thermal power stations	179.5	182.2	188.5	+ 2	+ 3	
Coke ovens	84.7	79.4	75.1	- 6	- 5	
Iron and steel industry	1.6	1.3	1_4	- 17	+ 3	
Other industries	14.6	17.5	19.2	+ 20	+ 10	
Domestic sector	16.5	15.6	15.7	- 5	-	
Patent fuel plants	4.0	3.6	3.5	- 10	- 2	
Own consumption at mines	1.6	1.5	1.5	- 5	-	
Gasworks and others	1.3	1.2	1.2	- 5	-	
Statistical difference	- 0.2	-	-	-	-	
TOTAL	303.6	302.3	306.1	-	+ 1	
в.						
Belgique -1e	17.4	16.4	15.2	- 6	- 7	
Danmark	8.1·	9.9	9.2	+ 22	- 7	
Deutschland	92.4	92.4	95.1	-	+ 3	
France	42.8	44.3	43.5	+ 3	- 2	
Hellas	0.2	0.7	0.9	+193	+ 35	
Ireland	1.3	1.4	1.4	+ 7	+ 5	
Italia	17.9	18.3	19.7	+ 2	+ 7	
Luxembourg	0.3	0.3	0.3	- 14	-	
Nederland	5.4	7.0	7.5	+ 32	+ 6	
United Kingdom	117.8	111.6	113.3	- 5	+ 2	
TOTAL	303.6	302.3	306.1	_	+ 1	

Community coal consumption by sector and by Member State

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Steel and pig iron production

(1 000 tonnes)							
	1981	1982	1983	1982/1981			
	Actual	Estimates	Forecasts	%			
A. STEEL							
Belgique	12 283	9 895	n.a.	- 19			
Danmark	612	560	••	- 8			
Deutschland	41 610	35 876	4 A	- 14			
France	21 245	18 427		- 13			
Hellas	909	900		- 1 .			
Ireland	33	61		+ 85			
Italia	24 778	24 003	1	- 3			
Luxembourg	3 790	3 509		- 7			
Nederland	5 472	4 353		- 20			
United Kingdom	15 321	13 753		- 10			
EUR-10	126 053	111 337	105 150	- 12			
B. PIG IRON							
Belgique	9 809	7 853	n.a.	- 20			
Deutschland	31 876	27 626		- 13			
France	17 274	15 047		- 13			
Hellas	- ' /			-			
Italia	12 319	11 601		- 6			
Luxembourg	2 889	2 589	0	- 10			
Nederland	4 600	3 618	v	- 21			
United Kingdom	9 461	8 467 °		- 11			
EUR-10	88 228	76 801	72 625	- 13			

			(kg/tonne)
1	1981 Actual	1982 Estimates	1983 Forecasts
Belgique	541	545	545
panmark	-	-	-
Deutschland	540	535	540
France	535	533	535
Hellas	-	- '	-
Ireland	-	-	-
Italia	478	470	475
Luxembourg	553	550	550
Nederland	485	· 485	485
United Kingdom	583	575	575
EUR-10	533 .	530	530

Specific coke imput in blast furnaces

TABLE 5 B

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Consumption of coke and fuel oil in 1980 by blast furnaces

(including the quantities needed for sintering ore)

			- 0
	Coke	Fuel	Total (fuel oil being counted as 1.3)
Belgiqu e ·	623.0	10.8	637.0
Danmark	-		-
Deutschland	587.0	23-4	617.0
France	579.0	40.4	632.0
Hellas	-	-	-
Ireland	-	-	-
Italia	528-0	28.7	565,0
Luxembourg	544,0	7.5	554.0
Nederland	479.0	· 61.9	559,0
United Kingdom	662.0	12.5	678.0
EUR-10	580.0	26.8	615.0

(kilograms per tonne of pig iron)

Consumpt	ion of	coke-oven	in th	e iron anc	steel	industry	

				(1 00	O tonnes)
/	1981 Actual	1982 Estimates	1983 Forecasts	% 1982/1981	% 1983/1982
Belgique	6 146	4 800	4 300	- 22	- 10
Danmark	26	15	15	- 42	-
Deutschland	19 493	16 500·	16 200	- 15	- 2
France	10 471	8 650	8 300	- 17	- 4
Hellas	83	30	30	- 64	-
Ireland	· - 5	5	5	-	-
Italia	6 679	6 320	6 235	- 5	- 1
Luxembourg	1 846	1 700	1 685	- 8	- 1
Nederland	2 397	1 850	1 775	- 23	- 4
United Kingdom	6 150	5 600	4 500	- 9	- 20
EUR-10	53 296	45 470	43 045	- 15	- 5
Used in :					
Blast furnaces	46 997	41 070	38 510	- 13	-* 6
Ore sintering plants	6 052	4 230	4 380	- 30	+ 4
Others	247	170	155	- 30	- 9

t

(1 UUU tonnes)						
· /	1981	1982	1983	. %	%	
	Actual	Estimates	Forecasts	1982/1981	1983/1982	
Iron and steel industry (1)	53 296	45 470	43 045	- 15	- 5	
Other industries (2)	3 800	3 980	4 130	+ 5	+ 4	
Domestic sector (3)	3 874	3 532	3 520	- 9	- 3	
Others	1 331	1 342	1 352	+ 1	+ 1	
Statistical difference	404	-	-	-	-	
TOTAL	62 705	54 324	52 047	- 13	- 4	

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Coke consumption by sector

(1) See Table 6 (figures country by country).

(2) See Table 9 B (figures country by country).

(3) See Table 10 A (figures country by country).

(1 000 tonnes)

TABLE 8 A

.

Net electricity generation Breakdown by energy sources

	Production in TWh		%	% breakdown				
	Actual	Estimates	Forecasts	Actual	Estimates	Forecasts	TWh % char	
	1981	1982	1983	1981	1982	1983	1982/81	1983/82
Total production :	1 206.3	1 204.1	1 218.0	100.0	100.0	100.0	-	+ 1
Belgique	48.2			4.0				
Danmark	18.5	WILL	BE	1.5	WILL	BE	WILL	BE
Deutschland	347.3	COMPLETE	D LATER	28.8	COMPLETE	D LATER	COMPLETE	LATER
France	264.3			21.9				
Hellas	21.9			1.8				
Ireland	10.3			0.9				
Italia	173.5			14.4				
_uxembourg	1.2			0.1				
Vederland	61.3		н. 1	5.1		•	A	
Jnited Kingdom	259.9.			21.5				
Hydroelectric : total	149.4			12.4				
- natural flow	141.6			11.8				
- pumped storage	7.8			0.6		X		
Geothermal	2.6			0.2				
Nuclear	201.8		1	16.7				
Conventional thermal : total	852.5			70.7				
- coal	408,8			33.9				
- lignite and peat	102.6			8.5				
- oil products	222.5			18.5				
– natural gas	90.3		· 	7.5			1	
- derived gases	20.4			1.7				
- other fuels	6.4			0.5				

TABLE 8 B

Fuel consumption by conventional thermal power stations 1981 - 1983

		Consumption in petajoules For electricity alone			% breakdown			joules (10 ¹⁵) (LCV)	
		Actual Estimates Forecasts Actual Estimates Forecasts		change					
		1981	1982	1983	1981	1982	1983	1982/1981	1983/1981
Belgique Hard coal Oil products		140.2 134.5	WILL	BE	38 37		WILL	₿E	
Natural gas Other		53.4 35.6	COMPLETED	LATER	15 10		COMPLE	TED LATER	
	TOTAL -	363.7			100				
Danmark Hard coal Oil products	TOTAL	178.5 27.3 205.8			87 13				
Deutschland Hard coal Lignite Oil products Natural gas Other	TOTAL	1 167.1 1 016.8 188.8 421.7 113.1 2 907.5			40 35 6 15 4 100				
Hellas Lignite Oil products Other .	TOTAL	131.8 72.5 0.8 205.1			64 35 1 100				
France Hard coal Lignite Oil products Natural gas Other		476.1 29.2 298.0 44.6 59.7 907.6		·	52 3 33 5 7 100				

Ireland Hard coal Peat Oil products Natural gas	TOTAL	0.7 24.4 44.9 32.2 102.2			1 24 44 31 100				
Italia Hard coal Lignite Oil products Natural gas Other	TOTAL	149.5 12.7 913.5 77.5 41.3 1 194.5	WILL COMPLETED	BE LATER	13 1 77 6 3		WILL COMPLETED	BE LATER	
Luxembourg Hard coal Oil products Natural gas Other	TOTAL	1.0 1.0 1.2 5.4 8.6			11 12 14 63 100				·
Nederland Hard coal Oil products Natural gas Other	TOTAL	69.7 228.4 209.3 26.3 533.7			13 43 39 5 100			:	
United Kingdom Hard coal Oil products Natural gas Other	TOTAL	2 094.0 276.9 17.1 9.8 2 397.8			87 12 1 -				
EUR-10 Hard coal Peat + lignite Oil products Natural gas Other		4 276.8 1 214.9 2 185.8 857.0 292.0		· · · ·	- 48 14 25 10 3				
	TOTAL	8 826.5		<u> </u>	100	1			

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TABLE 8 C

Consumption of solid fuels by power stations (Including colliery power plants and private generators)

281 tual E 5.1 2.2	1982 Estimate 6.6 9.1 49.0	1983 Forecast 6.6 8.2	1982/1981 + 7 + 26	% 1983/1982 -
5.1 7.2	Estimate 6.6 9.1	Forecast 6.6	+ 7	_
7.2 5.9	6.6 9.1			
7.2 5.9	9.1			
5.9		8.2	+ 26	
5.9		8.2	+ 26	
1	49 D			- 10
1	40 n			
.2	77.0	52.2	+ 5	+ 7
1	2.2	2.2	-	-
.0	115.0	115.0	-	-
.0	24.6	24.0	+ 17	- 2
.6	1.6 ·	1.6	-	-
.1	1.2	1.3	+ 9	+ 8
				د
.3	27.7	30.4	+ 9	+ 10
.6	2.4	2.6	- 8	+ 8
.9	6.3	7.2	+ 7	+ 14
.0	2.0	2.0	-	-
.7	3.7	4.4	+ 37	+ 19
.6	82.8	85.8 (2)	- 8	+ 4
.4	182.1	188.4	+ 2	+ 4
	1	1	_	-
.8		151.3	+ 2	+ 2
	.4 .8	.4 182.1 .8 3.8	.4 182.1 188.4 .8 3.8 3.8	.4 182.1 188.4 + 2 .8 3.8 3.8 -

(1) After deduction of steam delivered to mines by Steag.

(2) Range from 83,3 to 88,3.

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TABLE 8 D

Coal supplies to public power plants

(not including colliery power plants or private generators)

		• • • • • • • • • • • • • • • • • • •		• ····································	(1 000 tonnes)			
		National coal	Coal from other ECSC countries	Total ECSC coal	Coal from third countries	Total supplies		
Belgique	1980 1981 1982 (1)	2 252 2 283 2 155	267 104 200	2 519 2 387 2 355	2 809 3 451 3 495	5 328 5 838 5 850		
Danmark	1980 1981 1982 (1)		903 1 775 2 000	903 1 775 2 000	8 566 7 987 7 300	9 469 9 762 9 300		
Deutschland (2)	1980 1981 1982 (1)	29 985 31 610 34 100	1 304 1 690 1 700	31 289 33 300 35 800	4 802 6 073 6 000	36 091 39 373 41 800		
France	1980 1981 1982 (1)	2 616 3 000 2 925	2 664 2 700 2 375	. 5 280 5 700 5 300	13 528 10 500 9 200	18 808 16 200 14 500		
Italia	1980 1981 1982 (1)		-		4 906 6 628 6 800	4 906 6 628 _6 800		
Nederland	1980 1981 1982 (1)		306 564 600	306 564 600	1 516 2 626 3 100	1 822 3 190 3 700		
United Kingdom	1980 1981 1982 (1)	87 340 85 773 89 610	45 4 -	87 385 85 777 89 610	4 542 1 097 • 890	91 927 86 874 90 500		
FUR-10	1980 1981 1982 (1)	122 193 122 666 128 790	5 489 • 6 837 6 875	127 682 129 503 135 665	40 660 38 362 36 785	168 351 167 865 172 450		
First forecast	for 1983							
Belgique		2 635	200	2 835	3 415	6 250		
Danmark		-	1 900	1 900	6 300	8 200		
Deutschland BR		37 300	1 700	39 000	6 100	45 100		
France		3 000	2 250	5 250	11 750	17 000		
Italia		-	-	-	7 500	7 500		
Nederland United Kingdom		- 82 500	700 -	700 82 500	3 700 500	4 400 83 000		
EUR-10		125 435	6 750	132 185	39 265	171 450		

(1) Estimates.

(2) Including "Bergbauverbundkraftwerke".

TABLE 8 E.

Conventional thermal power stations(1)-situation as at 31 December 1981

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		Capacity that	can be fixed by:
	Total	coal	brown coal or peat
Belgigue	8 179	3 636	-
Danmark	7 663	5 338	-
Deutschland	68 524	27 162	13 349
France	29 719	13 411	627
Hellas	4 257	-	2 470
Ireland	2 766	15	384
Italia	30 255	4 937 [·]	295
Luxembourg	221	60	-
Nederland	16 958	2 434	-
United Kingdom	62 813	41 549	-
EUR-10	231 355	98 542	17 125

(net maximum capacity in megawatts)

(1) Fired by solid, liquid or gaseous fuel.

TABLE 8 F

Conventional thermal power stations that can burn hard coal or brown coal

New capacities and conversions

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		ı		(Net maxim	um capacity	in megawatt	ts)		
	Brought into service in:								
	19	82	19	983	after	increase (1982-end 1987) in the			
	New capacity	Conversion	New capacity	Conversion	New capacity	Conversion	capacity that		
Belgique	-	122	-	-	-	-	122		
Danmark	87	130	45	143	788	- 1	1 193		
Deutschland	1 100'	-	1 220	-	7 550(1)	-	9 870		
France	580	585	580	600	1 160(2)		3 505		
Hellas	-	-	273	-	1 377(3)		1 650		
Ireland	42(4)	-	42(4)		846		930		
Italia	-	301	-	529	-	2 639	3 469		
Luxembourg	-	-	-	-	-	-	-		
Nederland	-	-	-	-	600	1 200	. 1 800		
United Kingdom	92	-	60	-	1 270	-	1 422		
EUR-10	1 901	1 138	2 220	1 ,272	13 591	3 839	23 961		

(1)of which 320 brown coal.

(2)of which 580 brown coal.

(3)of which 1 377 brown coal.

(4) of which 42 brown coal.

(5)Excludes closures.

Coal and coke-oven consumption in other industries

(excluding power stations)

	······	· · · · · · · · · · · · · · · · · · ·	······	. (1 ()00 tonnes)
	1981 Actual	1982 Estimates	1983 Forecasts	% 1982 /1981	x 1983/1982
A. Coal					
Belgique	1 842	1 420	1 450	- 23	+ 2
Danmark	535	530	600	- 1	+ 13
Deutschland	3 990	3 900	4 100	- 2	+ 5
France	2 570	3 700	4 000	+ 44	+ 8
Hellas	47	570	820	(x 12)	+ 44
Ireland	191	240	310	+ 26	+ 29
Italia	795	1 600	2 000	+101	+ 25
Luxembourg	88	140	140	+ 59	-
Nederland	61	400	480	+556	+ 20
United Kingdom	4 508	5 000	5 300	+ 11	+ 6
EUR-10	14 627	17 500	19 200	+ 20	+ 10
B. Coke (1)					
Belgique	191	225	235	+ 18	+ 4
Danmark	18	15 [']	15	- 17	
Deutschland	1 404	1 250	1 300	- 11	+ 4
France	899	900	900	-	-
Hellas	11	150	150	(x 14)	-
Ireland	-	-	-	-	-
Italia	750 ⁻	840	900	+ 12	+ 7
Luxembourg	-	-	-	-	-
Nederland	227	300	330	+ 32	+ 10
United Kingdom	300	300	300	-	-
EUR-10	3 800	3 980	4 130	+ 5	+ 4

(1) See Table 7 (coke consumption by sector) · •

TABLE 10 A

Deliveries of coal, patent fuel and coke to the domestic sector

						(1 000 to	nnes)
			`1981	1982	1983	1982/1983	1983/1982
			Actual	Estimate	Forecast	×	*
Belgique	Coal Patent fuel Coke		1 159 130 35	1 242 130 38	1 242 120 38	+ 7 - + 9	- - 8 -
		Total	1 324	1 410	1 400	+ 6	- 1
Danmark	Coal Patent fuel Coke	Total	48 6 <u>37</u> 91	120 5 40 165	250 5 50 305	+150 - 17 + 8 + 81	+ 67 - + 25 + 84
Deutschland	Coal (1) Patent fuel Coke	Total	1 330 956 1 376 3 .662	1 180 950 <u>1 310</u> 3 440	1 180 900 1 300 3 380	- 11 - 1 - 5 - 6	- - 5 - 1 - 2
France	Coal Patent fuel Coke	Total	2 288 1 698 <u>254</u> 4 240	1 800 1 500 150 3 450	1 730 1 450 <u>150</u> 3 330	- 21 - 12 - 40 - 19	- 4 - 3 - - 3
Hellas	Coal Coke	Total	15 7 22	- - 17 17	5 20 25	- +142 - 23	- + <u>18</u> + 47
Ireland	Coal Coke		1 069 _	1 110 -	1 110 _	+ 4	
Italia	Coal Patent fuel Coke	<u>Total</u> Total	1 069 100 10 150 260	1 110 150 10 150 310	1 110 150 10 1.40 300	+ 4 + 50 - - + 19	
Luxembourg	Coal Patent fuel Coke	Total	6 2 4 12	5 2 7 14	5 2 7 14	- 17 - + 75 + 17	
Nederland	Coal Patent fuel Coke	Total	81 1 11 93	90 1 20 111	100 1 15 116	+ 11 - + 81 + 19	+ 11 _ - 25 + 5
United Kingdom (2)	Coal Patent fuel Coke	Total	10 400 915 2 000 13 315	9 950 900 1 800 12 650	9 950 900 1.800 12 650	- 4 - 2 - 10 - 5	
EUR-10	Coal Patent fuel Coke	•	16 496 3 718 3 874	15 647 3 498 3 532	15 722 3 388 3 520	- 5 - 6 - 9	3
		Total	24 088	22 677	22 630	- 6	-

(1) Excluding troops.

(2) Including public authorities and miscellaneous.

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TABLE 10 B

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Deliveries of lignite and peat briquettes to the domestic sector

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(in 1 000 tonnes)

		1981	1982	1983	% change	
	ļ	Actual	Estimates	Forecasts	1982/1981	1983/1982
Α.	Lignite briquettes (20 000 kj/kg)		N			
	Belgique	54	50	50	- 7	-
	Deutschland	3 325	3 100	3 000	- 7	- 3
	France	147	140	140	- 5	-
	Hellas	80	75	75	- 6	-
	Italia	60	55	55	- 8	-
	Luxembourg	53	50	50	- 5	-
		3 719	3 470	3 370	- 7	- 3
	Black lignite (14 500 - 21 000 kj/kg)					
	France	48	45	45	- 6	-
~ •	Peat (7 800 - 13 800 kj/kg)					
	Ireland	210	200	200	- 5	-
D.	Peat briquettes (19 500 kj/kg)		×			
	Ireland	330	300	[:] 300	- 9	-

PABLE 11

Hard coal production by areas

		(1	000 tonnes)
	1981 Actual	1982 Provisional	1983 Forecasts
Kempen	5 815	6 277	6 250
Sud	321	262	240
Belgique	6 136	6 539	6 490
Ruhr	76 669	77 300	72_350
Aachen	5 247	5 420	5 150
Ibbenbüren	2 257	2 300	2 300
Saar + Kleinzechen	11 373	11 290	11 200
Deutschland	95 545	96 310	91 000 _.
Nord - Pas-de-Calais	3 952 ⁻	· 3 100	3 150
Lorraine	10 893	10 445	10 500
Centre-Midi	3 744	3 350	3 350
France	18 589	16 895	17 000
Ireland	69		85
Scotland	7 400		3
North-East	13 651		
Yorkshire	31 775		
North-West	11 451		107 400
Midlands - Kent	37 907		
South Wales	7 634.		3
Licensed Mines	1 121		1 100
Opencast	14 362		14 000
United Kingdom	125 301	121 453	122 500
EUR-10	245 640	241 258	237 075

Hard coal production in joules

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	10 ³ tonnes	Terajoules (1)	kj/kg
1981	•		
Belgique	6 136	168 921	27 530
Deutschland	95 545	2 616 720	27 390
France	18 589	470 981	25 335
Ireland	69	1 460	21 160
United Kingdom	125 301	3 083 543	24 610
EUR-10	245 640	6 341 625	25 815
1982			
Belgique	6 539	180 019	27 530
Deutschland	96 310	2 637 930	27 390
France	16 895	428 034	25 335
Ireland .	61	1 291	21 160
United Kingdom	121 453	2 988 958	24 610
EUR-10	241 258	6 236 232	25 849

(1) 10¹² joules.

p				(yearly	averag	<u>e in 1 00</u>)0)	
		1982 Provisional	1983 Forecast	. Changes				
	1981			1982/1981		1983/1982		
	Actual			1 000	x	1 000	%	
Belgique	16_0	16.0	15_7	-	-	- 0.3	- 1	
Deutschland	123.9	121.8	117.8	- 2.1	- 2	- 4.0	- 3	
France	28,8	27.8	27.8	- 1.0	- 3	-	-	
United Kingdom	178.2	169.5	164.0	- 8.7	- 5	- 5.5	- 3	
EUR-10 (1)	347_2	335.4	325.3	-11_8	- 3	- 9.8	- 3	

Personnel employed underground

(1) Including 0.3 in Ireland.

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TABLE 14

Output per man/hour underground

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	ł	g per man/hour	% с	hange	
	1981 Actual	1982 Provisional	1983 Forecasts	1982/1981	1983/1982
Belgique	267	282	285	+ 6	+ 1
Deutschland	531	545	545	+ 3	-
France	376	360	360	- 4	-
United Kingdom	392	396	400	+ 1	+ 1

Costs and proceeds per tonne

(Variation on the basis of data supplied in national currencies)

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	Product	ion costs	Revenue			
	1981/1980	1982/1981	1981/1980	1982/1981		
	Actual	Provisional	Actual	Provisional		
Belgique	+ 9.6	- 1.0	+ 29.4	+ 23.0		
Deutschland	+ 14.5	+ 3.8	+ 10.7	+ 6.0		
France	+ 10.1	+ 20.0	+ 26.4	+ 8.0		
United Kingdom	+ 14.4	+ 9.5	+ 13.9	+ 5.1		

TABLE 16 .

State aids to the coal industry for current production

			•	(ECU/tor	ine produ	ced)
	Direct	aids (1)	Indire	ect aids	Tot	tal
	1981	1982 (2)	1981	1982	1981	1982
Belgique	44.29	29.93	1.87	1.75	46.16	31.68
Deutschland (3)	12.19	7.67	0.23	0.30	12.42	7.97
France	22.67	30.30	0.43	0.47	23.10	30.77
United Kindgom	6.77	5.76	-	-	6.77	5.76
EUR-10	10.96	8,95	0.17	0.20	11.13	9.15

(1) Including coking-coal aids.

(2) Provisional

(3) Not including aids distributed in connection with the 3rd. Verstromungsgesetz (law concerning the production of electricity from coal).

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Investments in the coal industry .

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	·····	lion/ECU)	
	1981 Actual	1982 Estimates	1983 (1) Forecasts
Belgique	29.4	47.0	6.9
Deutschland	420.6	471.2	380,5
France	58.4	68.0	98.5
United Kingdom	1 242.3	1 247.0	1 147.6
EUR-10	1 750.7	1 833.2	1 633.5

(Coal extraction and preparation)

(1) Only including investments on which a start has been made or concerning which a decision has been taken.

TABLE 18 Pit closures

	1	982
	Number	Output in 1981 (1 000 tonne
Belgique	-	-
Deutschland - Ruhr		-
France	-	
United Kingdom		
- Northern	1	377
- Yorkshire	1	259
- North-Western	3	642
- Midlands/Kent	1	73
Total	6	1 351
EUR-10	6	1 351

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TABLE 19 A

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Listed pre-tax pithead prices for Community coal as at 15 January 1982, 1 July 1982 and 15 January 1983

National currency (round figures)

							••••••••••••••••••••••••••••••••••••••	National	current	y (round)	figures)
Category	Туре	Date	Ruhr DM	Aachen DM	Saar DM	Belgique FB	Nord FF	Lorraine FF	South Wales E	Scotland E	South Yorkshire E
hracite	Nuts 3 20/30 mm	15.1.1982 1.7.1982 15.1.1983	335.00				955.00 022.00 022.00	- -	81.45 80.75 88.00	- - -	-
ר coal	Nuts 3 20/30 mm	15.1.1982 1.7.1982 15.1.1983		342.00 351.00 351.00				-	68.85 68.15 72.50	- - -	-
-bituminous	Nuts 4 10/20 mm	15.1.1982 1.7.1982 15.1.1983	277.00	340.00	-	-				- - -	2
flame	Nuts 2 30/50 mm	15.1.1982 1.7.1982 15.1.1983	257.00	-	271,00 294,00 300,00	3 775 4 025 4 025		503.00 553.00 609.00		56.50 56.50 60.00	53.70 53.70 58.20
flame	Nuts 5 6/10 mm	15.1.1982 1.7.1982 15.1.1983	257.00	- .		3 725 3 975 3 975		486.00(2) 542.00(3) 603.00(4)	-	54.40 54.40 59.90	52.50 52.50 56.80
ng coal	Medium or high volatile	15.1.1982 1.7.1982 15.1.1983	244.50	271.50	267.00 274.00 280.00	3 455 3 655 3 850	-	436.00 565.00 565.00	55.50 55.50 59.50	- - 	-
. <u></u>	Blast furnace H.F. > 40 mm	15.1.1982 1.7.1982 15.1.1983	360.00	387.00	375.00 375.00 383.00	5 300(1 5 600 5 600	705.00	735.00 880.00 880.00	87.50 87.50 87.50	86.40 86.40 86.40	85.80 85.80 85.80

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wer stations : FF 559.00 - 620.00.

wer stations : FF 616.00 - 683.00.

wer stations : FF 628.00 - 683.00.

TABLE 19 B

. Listed pre-tax pithead prices for Community coal as at 15 January 1982, 1 July 1982 and 15 January 1983

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Crenge ,	Туре	Dite	Ruhr	Aachen	Saar	Selgique	Nord	Lorraine	Scuth Wales	Scot- Land	South Yorksh.	Lowest price	Highest price	Diffé- rence%
Anthracite	Nuts 3 20/30 mm	15.1.1982 1.7.1982 15.1 1983	136.18	-	-	166.97 148.75 159.56	169 03 148 75 151 86	-	157.54 140.19 142.86	-		150.22 136.18 142.86	169.03 149.63 159.56	12.5 9.9 11.7
Lean coal	Nuts 3 20/30 mm	15.1.1982 1.7.1982 15.1.1983		153.36 142.68 148.10		- - -			133.17 118.32 117.69	-			153.36 142.68 148.10	15.2 20.6 25.8
Semi bitumi- nous	Nuts 4 10/20 mm	15.1.1982 1.7.1982 15.1.1983	112.60	138.21		-		-		-	-	124.22 112.60 121.94	138.21	14.6 22.7 17.6
Long flame	Nuts 2 30/50 mm	15.1.1982 1.7.1982 15.1.1983	104.47	-	121.52 119.51 126.58	85.53		89.03 80.77 90.49		109.28 98.09 97.40	103.87 93.23 94.48	89.03 80.97 86.21	119.51	36.5 47.6 46.8
Long flame	Nuts 5 6/10 mm	15.1.1982 1.7.1982 15.1.1983	104 47	-		97.95 84.47 85.14		86.02(3) 79.36(4) 89.60(5)	-	105 .22 94 .44 97 .24	101.55 91.15 92.21	79.36	115.25 104.47 113.50	34.0 31.6 33.3
Coking coal	Medium or high vola- tile	15.1.1982 1.7.1982 15.1.1983	99.39	116.14 110.37 114.56		77.67		77.17 82.72 83.95	107.35 96.35 96.59	-	- - -	77.67	119.73 111.38 118.14	55.2 43.4 43.3
Coke	Blast furnac H.F. > 40 mm	15.1.1982 -1.7.1982 15.1.1983	146.34	157.32	152.44	139.36 119.00 119.94	124 <u>7</u> 8 -	128.84	169.25 151.91 142.05	150.00	165.96 148.96 139.29	1	171.30 157.32 163.29	37.3 32.2 36.1
1) Dollar ex(4.1.1982 1.7.1982 3.1.1983	• change rate :	2.23 2.46	ndex 100 110	FB 38.03 47.06	Inde 100 124	5.65 6.83	Ind 10 12	0 0.51	7 1 6 1	11 (ECU 1.0809 0.9589	Index 100 89	*****	

(round figures) (US \$ (1) (2))

(2) Prices are not adjusted for quality differences.

2,37

106

46.69

123

6.73

119

0.616

119

0.9688

90

(3) Power stations : 98.94 - 109.73 \$/tonne.

3.1.1983

(4) Power stations : 90.19 - 100.00 %/tonne.

(5) Power stations : 93.31 - 103.57 8/tonne.

					۰ ۲		:	(\$)	
		lst quarter 1981	2nd quarter 1981	3rd quarter 1981	4th quarter 1981	lst quarter 1982	2nd quarter 1982	3rd quarter 1982	4th q uarter 1982
Α.	Steam coal(1)								
	per tonne (t = t)	59.9	63.5	61.15	62.8	62.0	63.1	62.1	"
	per tonne = 29.3 GJ	68.9	72.8	70.4	72.0	70.6	71.4	69.7	"
в.	Coking coal(2)								
	per standard tonne	75.70	80.05	84.35	86.55	82.45	82.20	81.20	79.70
	per tonne = 29.3 GJ	71.29	75.37	79.42	81.50	77.63	77.40	76.46	75.05

Average cif prices of coal imported from third countries

(1)As per quarterly reports from the Member States (Decision No 77/707/ECSC of 7.11.1977).

(2)Guide price (Decision No 73/287/ECSC of 25.7.1973). Reference date: beginning of quarter.

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Coke-oven coke production capacity

		r	<u>, </u>	r	r	· · ·	million t	onnesi
	Belgique	Deutsch- Land	France	Hellas	Italia	Neder- land	United Kingdom	EUR-10
1981 (Actual)								
Colliery plants	-	21.6	5.6	-	-	<u> </u>	3.3	30.5
Iron and steel industry	6.9	8.6	6.0	0.3	9.0	2.1	7.3	39.9
Independent	0.1	-	-	-	2.5	0.7	0.5	3.8
Total	7.0	30.2	11.6	0.3	11.5	2.8	11.1	74.2
(of which coastal coking plant)	1.7	0.4	4.2	0.3	11.5	2.8	7.4	28.1
1982 (Provisional)								
Colliery plants	-	21.4	5.7	-	-	-	3.3	30.4
Iron and steel industry	6.9	7.7	6.1	0.3	9.0	2.3	4.5	36.5
Independent	0.1	0.4	-	-	215	0.7	0.5	4.2
Total	7.0	29.5	11.8	0.3	11.5	3.0	8.3	71.1
(of which coastal coking plant)	1.7	0.4	4.3	0.3	11.5	3.0	5.2	29.1
1983 (Forecasts)								
Colliery plants	-	21.0	5.3	, -	-	-	3.3	29.6
Iron and steel industry	6.9	7.7	6.1	0.3	9.0	2.4	5.2	37.3
Independent	0.1	0.4	-	-	2.5	0.7	0.5	4.2
Total	7.0	29.1	11.4	0.3	11.5	3.1	9.0	71.1
(of which coastal coking plant)	1.7	0.4	4.3	0.3	11.5	3.1	5.9	29.1

Coking

	Coal	Producti	on of coke-oven cok
	consumption of coke ovens	1 000 tonnes	% difference compared with the previous year
1981 (Actual)			
Belgique	7 793	6 004	- 1
Deutschland	36 218	28 160	- 2
France	14 451	10 723	- 4
Hellas	67	45	- 82
Italia	11 087	8 071	- 3
Nederland	3 031	2 242	- 8
United Kingdom	12 077	9 060	- 10
EUR-10	84 724	64 305	- 4
1982 (Estimates)			
Belgique	7 100	5 275	- 12
Deutschland	35 100	27 200	- 3
France	12 000	8 750	- 18
Hellasr	-	-	-
Italia	10 300	7 900	- 2
Nederland	2 850	2 150	- 4
United Kingdom	12 000	8 600	- 5
EUR-10	79 350	59 875	- 7
1983 (Forecasts)			
Belgique	5 850	4 500	- 15
Deutschland	34 550	26 800	- 1
France	11 500	8 400 [.]	- 4
Hellas	-	_	-
Italia	10 300	7 900	-
Nederland	2 500	1 800	- 16
United Kingdom	10 400	7 300	- 15
EUR-10	75 100	56 700	~ 5

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Coal supplies to coke ovens

	ļ 	•				(1 000 tonnes)
		National coal	Coal from other ECSC countries	Total ECSC coal	Coal from third countries	. Total supplies
Belgíque	1980 1981 1982	3 870 3 476 3 075	681 1 101 550	4 551 4 577 3 625	3 386 3 D56 3 475	7 937 7 633 7 100
Deutschland	1980 1981 1982	36 624 36 105 34 590	157 157 160	36 781 36 262 34 750	435 318 350	37 216 36 580 35 100
France	1980 1981 1982	4 725 4 800 3 750	3 046 3 400 2 550	7 771 8 200 6 300	6 840 6 100 5 700	14 611 14 300 12 000
Hellas	1980 1981 1982	- - -		- - -	384 67 -	384 67 -
Italia	1980 1981 1982	- - -	2 512 2 694 2 000	2 512 2 694 2 000	8 927 8 226 8 300	11 439 10 920 10 300
Nederland	1980 1981 1982	-	652 551 575	652 551 • 57 5	2 734 2 593 2 275	3 386 3 144 2 850
United Kingdom	1980 1981 1982	10 829 9 800 9 490		10 829 9 800 9 490	2 428 2 450 2 510	13 257 12 250 12 000
EUR-10	1980 1981 1982	56 D48 54 181 50 905	7 048 7 903 5 835	63 096 62 084 56 740	25 134 22 810 22 610	88 230 84 894 79 350
First forecast fo	or 1983				1	
Belgique Deutschland France Hellas		2 750 34 000 2 800	600 150 2_600	3 350 34 150 5 400	2 250 400 6 100	5 600 34 550 11 500
italia Nederland United Kingdom		- - - 8 600	2 000 550	2 000 550 8 600	8 300 1 950 1 800	10 300 2 500 10 400
EUR-10		48 150	5 900	54 050	20 800	74 850

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Trend of intra-Community trade in coal

				·•			- 	+			(1 000 ton	nes)
То	From	Belgique	Danmark	Deutsch- Land	France	"ellas	: Ireland	Italia	Luxem- bourg	Neder- Land	United Kingdom	EUR-10
Belgique	1981 1982 1983		- - -	2 284 1 530 1 485	20 35 35			-	- - -	162 70 50	339 265 250	2 805 1 900 1 820
Danmark	1981 1982 1983	12 - -		3 - -	2 - -					- - -	1 943 2 000 1 900	1 960 2 000 1 900
Deutschland	1981 1982 1983	521 410 250			367 375 400		-			- 85 290	1 868 1 530 1 460	2 756 2 400 2 400
France	1981 1982 1983	60 90 55		4 553 4 000 3 735	- - -		- -				2 758 1 750 1 710	7 371 5 840 5 500
Hellas	1981 1982 1983			-	- - -			- 20 20	- - -			- 20 20
Ireland	1981 1982 1983			31 40 35	7 10 ·5	-				23 25 20	443 400 460	504 475 520
Italia	1981 1982 . 1983	- 5 10		2 646 2 000 1 970	- - 20						48 30	2 694 2 035 2 000
Luxembourg	1981 1982 1983		 	12 15 15	2 - -					4 10 10	55 35 35	73 ⁻ 60 60
Nederland	1981 1982 1983.	86 75 35	-	1 012 1 050 865	1 - -		6 - -	13 - -			442 400 500	1 560 1 525 1 400

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Note : 1981 Actual.

1982 Estimates.

1983 Forecasts.

То	· From	Belgique	Danmark	Deutsch- land	France	Hellas	Ireland	Italia	Luxem- bourg	Neder- Land	United Kingdom	EUR-10
United Kingdom	1981 1982 1983	5 10 -		131 285 195	1 - -	- -	2 5 5	-		-		144 300 200-
EUR-10	1981 1982 1983	684 590 350	- - -	10 672 8 920 8 300	400 420 460		8 5 5	13 20 20	- - -	194 190 370	7 896 6 410 6 315	19 867 16 555 15 820

	From	Belgique	Danmark	Deutsch- Land	France	Hellas	Ireland	Italia	Luxem- bourg	Neder- land	United Kingdom	EUR-10
То									bourg	Cano	Kingdoll	
Belgique	1981 1982 1983		-	729 125 100	30 20 20					209 200 225	100 75 75	1 068 420 420
Danmark	1981 1982 1983	7 5 5	- - -	16 15 20	30 30 30		-	- - -		3 5 5	15 15 10	71 70 70
Deutschland	1981 1982 1983	103 110 80	1 - -		309 310 370	-		- - -		174 170 200	229 240 200	816 830 850
France	1981 1982 1983	328 270 300		1 768 1 375 1 395	-			17 - -		145 165 150	6 - -	2 264 1 810 1 845
Hellas	1981 1982 1983			7 - -	3 - -	-		8 20 20	-	-	6 - -	24 20 20
Ireland	1981 1982 1983	4 3 5		1 2 -	_1 _		- - -				2 2 2	8 7 7.
Italia	1981 1982 1983			30 30 -	70 30 -		- - -	- - -	 	- · - -	- - -	100 60 -
Luxenbourg	1981 1982 1983 -	8 10 10	-	1 746 1 592 1 580	3 10 -	-	- - -	-			8 45 50	1 765 1 657 1 640
Nederland	1981 1982 1983	30 20 25		692 522 825	5 5 –			1 _ _	· - - -	- - -	76 123 150	804 670 1 000

Trend of intra-Community trade in coke

Note : 1981 Actual 1982 Estimates 1983 Forecasts

Το .	From	Belgique	Danmark	Deutsch- land	France	Hellas	Ireland	Italia	Luxem- bourg	Neder- Land	United Kingdom	EUR-10
United Kingdom	1981 1982 1983	19 18 25		1	5 5 ~		1 2 2		-			26 25 27
EUR-10	1981 1982 1983	499 436 450	1 - -	4 990 3 661 3 920	456 410 420	-	* 1 2 2	26 20 20		531 540 580	442 500 487	6 946 5 569 5 879

Imports of coal from third countries

			1
	1981 Actual	1982 Estimates	1983 Forecasts
. By country of destination			
Belgique	7.2	8.5	5.6
Danmark	8.7	7.6	7.3
Deutschland	8.1	8.6	8.6.
France	20.1	17.4	20.3
Hellas	0.3	0.6	0.9
Ireland	0.8	0.7	0.9
Italia	15.5	16.3	18.0
Luxembourg	0.2	0.2	0.2
Nederland	5.4	7.0	6.6
United Kingdom	4.2	3.6	2.3
EUR-10	70.5	70.5	70.7
B. By country of origin			
U.S.A.	35.7	35.8	33.0
Canada	1.4	1.3	1.3
Australie	7.6	6.8	8.2
Afrique du Sud	19.1	17.4	16.9
Pologne	4.2	8.0	9.5
URSS	0.7	0.3	0.9
	1.8	0.9	0.9
Total	70.5	70.5	70.7
• By sector of consumption			
Steam coal	43.2	42.5	45.0
Coking coal	22.8	23.5	21.0
Others	4.5	4.5	4.7
Total	70.5	70.5	70.7

TABLE 27 A

Imports of coal from third countries in 1981 (Provisional)

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					•		(1 000	tonnes)
	USA	Canada	Australia	South Africa	Poland	USSR	Others	Total
Belgique	2 575	-	560	2 000	300	7.0	125	5 630
Danmark	2 200	400	200	3 000	900	600	-	7 300
Deutsch land	3 100	800	400	2 300	1 800	20	180	8 600
France	• 8 900.	-	2 850	[°] 5 900	2 450	150	50	20 300
Hellas	820	-	-	-	30	10	20	880
Ireland	480	-	-	10	400	-	5	895
Italia	10 100	-	1 800	3 500	2 500	. -	100	18 000
Luxembourg	- 60	-	-	150	_	5	-	215
Nederland	4 000	100	1 200	-	850	-	400	6 550
United Kingdom	800	-	1 150	50	300	_	-	2 300
EUR-10	33 035	1 300	8 160	16 910	9 530	855	880	70 670

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(1,000,toppes)

T	AB	LE	27	В
				_

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-		the second s	(1 0	100 tonnes)
		1981 Actual	1982 Estimates	1983 Forecast
Α.	Coal			
	Belgique	74	80	100
	Deutschland	1 396	940	1 100
	France	285	300	310
	Nederland	-	150	100
·	United Kingdom	1 885	1 300	1 815
I				
	Total	3 640	2 770	3 425
в.	Coke			
	Belgique	342	164	50
	Danmark	37	. 55	50
	Deutschland	1 218	909	1 100
	France	473	360	380
	Ireland	2	-	-
	Italia	700	540	515
	Nederland	150	,100	100
	United Kingdom	1 000	1 000	713
	Total	3 922	3 128	2 908

TABLE 28 A

Producers' stocks of coal and coke

						(1 000 tonn	es)
		1981 Actual	1	82 sional	1983	Diffe	rence
			1 000 Number of tonnes calendar days covered		Forecast	1982/1981	1983/1982
I.	Coal	2					
{	Belgique	192	450 (2)	25	870	+ 258	+ 420
	Deutschland (1)	8 507	14 070	53	11 520	+ 5 563	- 2 550
{	France	7 395	5 500	118	5 500	- 1 895	-
ļ	Ireland	30	30	180	30	-	-
	United Kingdom	22 682	21 880	65	27 990	- 802	+ 6 050
	eur-10	38 806	41 930	64	45 850	- 3 124	+ 3 920
11.	Coke						
{	Belgique	138	160	11	85	+ 22	- 75
}	Deutschland (1)	4 075	8 190	112	11 570	+ 4 115	+ 3 380
	France	705	800		800	+ 95	-
	Hellas	31	50	-	50	+ 19	-
	Italia	572	600	29.	600	+ 28	-
	Nederland	21	80	14	80	+ 59	-
	United Kingdom	2 103	1 400	60	800	- 703	- 600
	EUR-10	7 645	11 280	67	13 985	+ 3 635	+ 2 705

(1 000 tonnam)

11.1

Excluding the national reserve of 7 231 coal and 2 977 coke.
 Including stocks (736) at screening and mixing installations.

TABLE 28 B

Stocks of coal at power stations

•

	1981	1982	1983	1	7
	Actual	Estimates	Forecasts	Movement 1982	Movement 1983
Belgique	830	830	830	-	-
Danmark	6 216	6 400	6 400	+ 184	-
Deutschland	12 653	13 000	13 500	+ 347	+ 500
France	6 060	3 500	3 500	- 2 560	-
Italia	1 009	1 500	1 800	+ 491	+ 300
Nederland	783	750	750	- 33	-
United Kingdom	18 264	28 000	28 000	+ 9 736	-
EUR-10	45 815	53 980	54 780	+ 8 165	+ 800

TABLES 29 A and B

Estimate of total stocks (A) of hard coal(B) of coke

held by producers and consumers, and in ports and/or central depots in the Community (Situation at the end of 1982) (1 000 to 1

					<u>(1 000 tonne</u>	
A. Hard coal	Producers Total colliery stocks	stocks Of which low-grade products .	At power stations	At coke ovens	In ports, central depots and other	Total
Α.						
Belgique	450	(100)	830	750	2 850 (1)	4 880
Danmark	-	-	6 400	-	225	6 625
Deutschland	14 070	(3 700)	13 000	200	8 450 (2)	35 720
France	5 500	(2 950)	3 500	1 000	2 090 (4)	12 090
Hellas		-	.	-	200 (5)	200
Ireland	30	-	-	-	280	310
Italia		-	1 500	300	50	1 850
Luxembourg	-	-	-	-	30	30
Nederland	-	-	750	535	1 600	2 885
United Kingdom	21 880	FI	28 000	2 400	-	52 280
EUR-10	41 930		53 980	5 185	15 775	116 870

B. Coke	Producers	Steel- works	Other	Total
θ.	,			
Belgique	160	-	5	165
Danmark	- -	-	30	[.] 30
Deutschland	8 190 (2)	300	3 222(3)	11 712
France	800 `	-		800 ·
Hellas	50` ·	-	70(4	120
Ireland	- .		-	-
Italia	600	~	-	600
Luxembourg	-	90	-	9 0
Nederland	80 .	170	-	250
United Kingdom	1 400	700		2 100
EUR-10	11 280	1 260	3 327	15 867

Of which 650 belong to another country. 1

(2) Of which 7 231 = national reserve.
(3) Of which 2 977 = national reserve.

(4) Of which 1 200 belong to EDF.

(5) Unspecified location.

Estimate of total stocks of hard coal and coke (expressed as coal equivalent) held by producers and consumers, and in ports and/or central depots in the Community

(Situation at the end of 1982)

	Hard coal	Coke (x 1.3)	Total	Estimate of consumption in 1983	Number of calendar days covered
Belgique	4.9	0.2	5.1	15.2	120
Danmark	6.6	-	6.6	9.2	260
Deutschland	35.7	15.3	51.0	95 1	195
France	12.1	1.0	13.1	43.5	110
Hellas	0.2	0.2	0.4	0.9	140
Ireland	0.3	-	0.3	1_4	75
Italia	1.9	0.8	2.7	19_7	50
Luxembourg	-	0.1	0.1	0.3	
Nederland	2.9	0.3	3.2	7.5	155 ়
United Kingdom	52.3	2.7	55.0	113.3	177
EUR-10	116.9	20.6	137.5	306.1	164

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(million **donnes**)

TABLE 31	•	
and the second		

Coal balance sheet for 1983

(1 000 tonnes)

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.90 - .20 1 .20 1 .30 7 .30 7 .40 9 .50 - .50	91 000(1) 500 2 400 8 600 102 500 102 500 45 100(2) 34 440 1 000 (800) 8 300 (4 200) 1 000 2 700	1 450 5 500 20 300 44 250 6 900	- 20 880 900 - 75 820 - 5	85 - 520 895 1 500 - 30 - - - 310 1 110	- 2 000 18 000 20 000 20 000 7 500 10 300 - 2 000 150	- 60 215 275 - - - 130 - 140 - 5	- 1 400 6 550 7 950 - - 4 400 2 500 - - 480 -	122 500 2 000 2 300 127 000 127 000 127 000 127 000 10,400 200 (100) 7 500 (2 200) 6 600	74 850 2 390 (1 000) 25 600
1 900 30 7 300 30 7 300 30 9 200 35 - 50 8 200 35 - 50 600 225 250 60 150	2 400 8 600 102 500 3 000 45 100 (2) 34 440 1 000 (800) 8 300 (4 200) 1 000	5 500 20 300 44 250 6 900 17 000 11 500 950 (100) 4 000 - 1 700	20 880 900 - - 75 820 -	895 1 500 - - - - - - - - - - - - -	18 000 20 000 7 500 10 300 - 2 000	215 	6 550 7 950 - - 4 400 2 500 - - 480 -	200 2 300 127 000 83 0003 10 400 200 (100) 7 500 (2 200)	 (15 820) 70 670 313 595 10 330 171 450 74 850 2 390 (1 000) 25 600 (6 400)
1 900 30 7 300 30 7 300 30 9 200 35 - 50 8 200 35 - 50 600 225 250 60 150	2 400 8 600 102 500 3 000 45 100 (2) 34 440 1 000 (800) 8 300 (4 200) 1 000	5 500 20 300 44 250 6 900 17 000 11 500 950 (100) 4 000 - 1 700	880 900 - - 75 - 820 -	895 1 500 - - - - - - - - - - - - -	18 000 20 000 7 500 10 300 - 2 000	215 	6 550 7 950 - - 4 400 2 500 - - 480 -	200 2 300 127 000 83 0003 10 400 200 (100) 7 500 (2 200)	 (15 820) 70 670 313 595 10 330 171 450 74 850 2 390 (1 000) 25 600 (6 400)
30 7 300 340 9 200 350 - 50 8 200 35 - - - 50 600 - - 225 250 60 150	8 600 102 500 3 000 45 100 (2) 34 440 1 000 (800) 8 300 (4 200) 1 000	20 300 44 250 6 900 17 000 11 500 950 (100) 4 000 - 1 700	880 900 - - 75 - 820 -	895 1 500 - - - - - - - - - - - - -	18 000 20 000 7 500 10 300 - 2 000	215 	6 550 7 950 - - 4 400 2 500 - - 480 -	2 300 127 000 83 000(3) 10,400 200 (100) 7 500 (2 200)	70 670 313 595 10 330 171 450 74 850 2 390 (1 000 25 600 (6 400)
40 9 200 50 - 50 8 200 00 - 35 - - - 50 600 - - 225 250 60 150	102 500 3 000 45 100 (2: 34 440 1 000 (800) 8 300 (4 200) 1 000	44 250 6 900 17 000 11 500 950 (100) 4 000 - 1 700	900 - - 75 820 -	1 500 30 - - - 310 -	20 000 7 500 10 300 - 2 000	275 - - 130 - 140 -	7 950 -4 400 2 500 480 -	50 83 00(3 10,400 200 (100) 7 500 (2 200)	313 595 10 330 171 450 74 850 2 390 (1 000) 25 600 (6 400)
550 - 50 8 50 - 35 - - - 50 600 - - 225 250 60 150	3 000 45 100 (2) 34 440 1 000 (800) 8 300 (4 200) 1 000	6 900 17 000 11 500 950 (100) 4 000 - 1 700	- - 75 - 820 -	30 - - - - 310 -	7 500 10 300 - 2 000	- - 130 - 140 -	- -4 400 2 500 - - 480 -	50 83 000(3) 10,400 200 (100) 7 500 (2 200)	10 330 171 450 74 850 2 390 (1 000) 25 600 (6 400)
50 8 200 00 - 35 - 50 600 - 225 250 60 150	45 100 (2) 34 440 1 000 (800) 8 300 (4 200) 1 000) 17 000 11 500 950 (100) 4 000 - 1 700	75 - 820 -	- - - 310	10_300 2_000 	130 _ 140 _	2 500 - - 480 -	83 0003 10,400 200 (100) 7 500 (2 200)	171 450 74 850 2 390 (1 000) 25 600 (6 400)
50 8 200 00 - 35 - 50 600 - 225 250 60 150	45 100 (2) 34 440 1 000 (800) 8 300 (4 200) 1 000) 17 000 11 500 950 (100) 4 000 - 1 700	75 - 820 -	- - - 310	10_300 2_000 	130 _ 140 _	2 500 - - 480 -	83 0003 10,400 200 (100) 7 500 (2 200)	171 450 74 850 2 390 (1 000) 25 600 (6 400)
00 - 35 - - - 50 600 - - 225 250 60 150	34 440 1 000 (800) 8 300 (4 200) 1 000	11 500 950 (100) 4 000 - 1 700	75 - 820 -	- - 310 -	10_300 2_000 	130 _ 140 _	2 500 - - 480 -	10,400 200 (100) 7 500 (2 200)	74 850 2 390 (1 000) 25 600 (6 400)
35 - .50 600 .225 250 60 150	1 000 (800) 8 300 (4 200) 1 000	950 (100) 4 000 - 1 700	75 - 820 -	- - 310 -	- 2 000	130 _ 140 _	- - 480 -	200 (100) 7 500 (2 200)	2 390 (1 000) 25 600 (6 400)
	(800) 8 300 (4 200) 1 000	(100) 4 000 - 1 700	- 820 -	-	-	140	- 480 -	(100) 7 500 (2 200)	(1 000) 25 600 (6 400)
- 225 250 60 150	8 300 (4 200) 1 000	4 000 _ 1 700	820 -	-	-	140 -	-	7 500 (2 200)	25 600 (6 400)
- 225 250 60 150	(4 200) 1 000	- 1 700	-	-	-	-	-	(2 200)	(6 400)
60 150	1 000	1 700		1 110	150			1	1
60 150							100		
			-				_100	5 070	9 410
	(180)	(30)	_	-	-	-	-	(1 600)	(1 827)
(37) -	(1 200)	(1 200)		- 1	-	-	-	(1 100)	(3 537)
5) -	(320)	(200)	-	-	-	-	-	(550)	(1 075)
(95	- 10	-	-	-	-	- 1	-	(20)4	(115)
(1) –	(100)	-	-	-	-	-	-	(50)	(151)
(55	(900)	-	-	- :		-	-	(1 750)	(2 705)
70 9 200	95 650	43 480	900	1 450	19 950	275	7 480	112 820	306 175
50 -	8 300	460	-	5	20	-	370	6 315	(15 820)
- 100	1 100	310	_	_	_	-	100	1 815	3 425
	1 100								
20 9 200	105 050	44 250	900	1 455	19 970	275	7 950	120 950	309 600
-20 -	- 2 550	-	-	+ 45	+ 30	-	-	+ 6 050	+ 3 995
(20 9 200	20 - 1 100 20 9 200 105 050	DO - 1 100 310 20 9 200 105 050 44 250	DO - 1 100 310 - 20 9 200 105 050 44 250 900	DO - 1 100 310 - - 20 9 200 105 050 44 250 900 1 455	DD - 1 100 310 - - - 20 9 200 105 050 44 250 900 1 455 19 970	DD - 1 100 310 - - - - 20 9 200 105 050 44 250 900 1 455 19 970 275	DD - 1 100 310 - - - - 100 20 9 200 105 050 44 250 900 1 455 19 970 275 7 950	DD - 1 100 310 - - - - 100 1 815 20 9 200 105 050 44 250 900 1 455 19 970 275 7 950 120 950

(1) National statistics: 83 500. (2) Includes Bergbauverbund Kraftwerke. (4) Gasification. (3) Deliveries between 78 000 and 88 000.

 $\underline{\GammaB}$: Details for lines 3 and 8 are given in Table 24.

• .				_	ABLE 32	•					••		
	Coke balance sheet for 1983								(1 000 tonnes)				
	Belgique	Danmark	Deutschl.	France	Grèce	Ireland	Italia	Lux.	Nederland	U.K.	EUR-10		
 Production coke-oven coke gas coke TOTAL 	4 500 4 500	- 70 70	26 800 26 800	8_400 _ 8_400	- - -		7 900 7 900	- -	1 800 - 1 800	7 300 7 300	56 700 70 56 770		
 Receipts from ECSC Imports third count. 	420 80	70 -	850 150	1 845 55	20 180	7 -	-	1 640 52	1 000 -	27 373	(5 879) 890		
4. Availabilities (1 + 2 + 3)	5 000	140	27 800	10 300	200	7	7 900	1 692	2 800	7 700	57 660		
5. Inland deliveries a) steel industry b) other industries c) domestic sector d) miscellaneous of which : issues to work. - own consumption - other	4 300 235 30 10 (8) (2) -	15 15 50 10 - (10) -	16 200 1 300 700 1 200 (600) (320) (280)	8 300 900 150 150 - (150) -	30 150 20 - - - -	5 - - -	6 235 900 140 90 - (90) -	1_685 7 7 	1 775 330 15 - - -	4 500 300 , 1 500 800 (300) (100) (400)	43 045 4 130 2 612 2 260 (908) (672) (680)		
6. Total inland deliv. (5)	4 575	90 -	19 400	9 500	200	5	7 365	1 692	2 120	7 100	52 047		
7. Deliveries to ECSC 8. Exports third count.	450 50 -	- 50	3 920 1 100	420 380	-	2 '	20 515 ⁻		580 100	487 713	(5 879) 2 908		
9. Total deliveries (6 + 7 + 8)	5 075	140	24 420	10 300	200	7	7 900	1 692	2 800	8 300	54 955		
0. Stock movements at production and import (4 - 9)	- 75		+ 3 380	-	-	-	-	-	-	- 600	+2 705		

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Brown coal and peat balance sheet for 1983 ٦

(1 000 tornes)

		Belgique	Danmark	' *schland	France	Hellas	Ireland	Italia	Luxem- bourg	Neder- Land	United Kingdom	EUR-10
Α.	Raw product											
	- Availabilities											
	Production Imports Total			131 000 2 300 (1) 133 300	2 950 (4 _ 2 950	32 500 _ 32 500	3 500 - 3 500	2 100 2 100	-	-	-	172 050 2 300 174 350
	- Utilization											
	Briquetting plants Power stations Other Stock movements	- - -		16 400 114 500 2 400 (3) -	- 2 900 (S 50 (6 -		600 2 600 300 -	2 000 100 -	- - -	- - -	- - -	17 500 152 400 4 450 -
Β.	Briquettes - Availabilities Production Arrivals from ECSC countries	- 140	-	6 000 (7) -	- 140	200 -	300 -	- 50	- 55			6 500 (385)
	Imports from non-member countries Total	10 150	-	1 000 7 000	- 140	- 200	- 300	5 55	- 55	-	-	1 015 7 515
	- Utilization Power stations Industry Domestic Shipments to other ECSC countries Exports to non-member countries	- 100 50 - -	-	1 000 2 415 (8) 3 000 385 200	- - 140 - -	- 125 75 -	- - 300 -	- - - -	- 5 50 - -		- - - - -	1 000 2 645 3 670 (385) 200

(1) 2 300. (2) 2 200. (3) 100. (4) 1 650.

(5) 1 600.
(6) 50.
(7) Includes about 2 000 in brown coal fines.
(8) Includes about 200 in brown coal fines shipped to industries in other Community countries.