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## International energy trends. 3rd quarter 1977 and recent trends

Organisation de Coopération Et de Développement Économiques (ocde)

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Organisation de Coopération Et de Développement Économiques (ocde). International energy trends. 3rd quarter 1977 and recent trends. [Research Report] Organisation de coopération et de développement économiques (OCDE). 1978, 48 p., tableaux, graphiques. hal-01512645

**HAL Id: hal-01512645**

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Submitted on 24 Apr 2017

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Combined Energy Staff

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Paris, 6th February 1978

Energy Statistics and Data  
Processing Division

INTERNATIONAL ENERGY TRENDS (1)

3RD QUARTER 1977 AND RECENT TRENDS

1. PRIMARY ENERGY CONSUMPTION

First 3 Quarters 1977

For the first three quarters of 1977 energy consumption in OECD countries was 2.7% higher than for the same period in 1976. During the same period industrial production rose by 4.5% and gross domestic product by 4.0%. Thus energy growth remained low in relation to economic activity. This was the case particularly in Europe (0.6% in energy and 2.0% in GDP) and in Japan (3.6% in energy and 6.5% in GDP).

In the OECD area coal consumption rose by 1.2% and oil consumption by 3.7%.

In the United States, as in 1976, oil consumption grew more quickly than total energy demand (9% oil, 4.5% energy).

In Europe (EEC) modest growth of total energy requirements (+0.6%) reflected low growth of GDP (+2.0%). Industrial energy demand was particularly weak (total heavy fuel oil -7%, total coal -3.0%). Reductions occurred in oil consumption (-2.6% against +6.5% in 1976) and in coal consumption (-3% against +7.4%). Electricity demand grew 2% and natural gas consumption rose 1.6%.

In Japan oil consumption increased 6.7% and gas consumption 19.3%.

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Latest Trends

Oil consumption data available for fourth quarter 1977 show that for the U.S. and Japan the full yearly change 1977/76 will be between 5 and 7%. The European 1977/76 change will be between -2.0 and -2.5%.

Preliminary data for the fourth quarter suggest that in the U.S. the yearly change in coal and natural gas consumption will be about +2.0% and -2.0% respectively.

In Europe the 1977/76 increase in consumption of non-oil energy will be about 3.0%.

Based on the above elements, one arrives at an estimated growth rate for 1977 OECD energy consumption of 1.7% (U.S. 3.0%, Japan 2.0%, Europe 0.2%).

TABLE A

YEARLY CHANGES (IN %) IN OECD

	1975/1974	1976/1975	1977/1976 (estimated)
GDP at constant prices	-1.0	5.3	3.5
Total primary energy consumption	-2.9	6.1	1.7
Oil Consumption	-3.3	7.8	2.7
Consumer Prices	11.3	8.7	8.0 <sup>(1)</sup>
Energy prices for households	11.6	9.0	9.2 <sup>(1)</sup>

(1) First three quarters only

TABLE B

CONTRIBUTION TO CHANGES IN TOTAL PRIMARY ENERGY REQUIREMENTS  
BETWEEN FIRST 3 QUARTERS 1977 AND FIRST 3 QUARTERS 1976

	OECD	U.S.	E.E.C	JAPAN
	----	----	-----	-----
<b>SOLID FUELS</b>				
-----				
PRDUCTION	0.2	0.6	-0.9	-0.1
+NET IMPORTS	0.1	0.1	0.3	0.4
-STOCK CHANGES	0.1	-	0.1	0.4
=A: CONSUMPTION	0.2	0.7	-0.7	-
<b>OIL</b>				
---				
PRDUCTION	0.3	-0.2	3.2	-
+NET IMPORTS	2.2	5.5	-4.3	3.5
-STOCK CHANGES	0.6	1.1	0.3	-1.3
=B: CONSUMPTION	1.9	4.2	-1.4	4.8
<b>NATURAL GAS</b>				
-----				
PRDUCTION	0.4	0.4	0.2	0.1
+NET IMPORTS	0.1	0.1	0.2	0.3
-STOCK CHANGES	0.4	0.7	0.2	-
=C: CONSUMPTION	0.1	-0.2	0.3	0.5
<b>D=NUCL.ELECTR.</b>				
-----	0.6	1.1	0.5	-0.8
<b>E=HYDROELECTR.</b>				
-----	-0.1	-1.2	1.6	-0.8
<b>F=NET ELECT.IMP.</b>				
-----	0.1	-	0.3	-
<b>TOTAL CHANGES</b>	2.7	4.5	0.6	3.6
=A+B+C+D+E+F				

## DOMESTIC PRODUCTION AND STOCKS

### 1. First 3 Quarters 1977

Domestic energy production in the OECD area has risen by 2.3% over the same period last year (compared with the 2.7% growth in consumption) and has improved compared with its 1.1% increase in 1976/77 reflecting mainly gains in nuclear electricity.

Nuclear electricity generation in the OECD area rose by 26%, giving an increase in its share in total electricity generation to about 10%.

Oil production was 1.7% above the first three quarters of 1976, compared with the 1976/75 growth rate of 0.2%.

In the U.S. the absolute increase in coal production was somewhat larger than the decrease in European coal production (Germany).

The important gains in U.S. nuclear electricity (+40%) and coal (+3.5%) were offset by losses in natural gas (-1%) and hydro-electricity (-28%) due to drought conditions in the Far West. The gains in nuclear and coal followed increases in these sources of 11% and 10% respectively in 1976. The hydro result represented a further drop in rather low output levels in 1976.

In Europe, the 2% increase in total electricity generation was more than covered by additional nuclear (+22%) and hydro-electricity (+62%). Output from thermal stations diminished by 3%. Hydro-electricity recovered from the 1976 drought.

In Japan, nuclear electricity generation fluctuated sharply during the period, and there was a sharp drop in hydro-electricity.

### Latest Trends

Alaskan and North Sea crude oil output in the fourth quarter shows no significant increase over third quarter levels.

The 1977/76 increase in production of all energy sources is likely to be 1% or less, due largely to a large increase in fourth quarter 1976.

Nuclear electricity production is still subject to very sharp quarterly fluctuations reflecting plant availability. The U.S. and Germany, which had relatively strong 1977/76 increases over the first three quarters experienced substantial drops in the seasonally adjusted third quarter figures.

### STOCK LEVELS AND CHANGES

#### First 3 Quarters 1977 and Latest Trend

OECD oil stock levels (in seasonally adjusted terms) have been increasing up to and beyond the end of the third quarter. Since summer 1977 this movement reflects U.S. stock building. From fourth quarter 1976 to third quarter 1977 oil stocks added amounted to 4.5% of OECD annual oil consumption. During the calendar year of 1976 the additions had been less than 0.5% of oil consumption, which nevertheless had risen more than this year. At the end of the third quarter of 1977, oil stock levels were 5.5% above the level of the same period last year, and 26% above the third quarter levels of 1974. Over this latter period, oil consumption has only risen by 6%.

In the case of coal, too, stockbuilding was higher than in 1976, while consumption increased less. This suggests that in recent quarters, as in the case of oil, a substantial part of coal stocks have been built involuntarily as a result of weak demand.

### NET IMPORTS

#### First 3 Quarters

Given the major oil stockbuilding, net oil imports rose rapidly in spite of static consumption and growth of domestic production.

U.S. net imports (+28%) contribute heavily to the overall OECD growth of net oil imports (+6.3%). European net oil imports actually declined (-8%) considerably more than consumption (-2.6%). This is explained by a more than doubling of domestic production which, moreover, permitted a stronger stockbuild than in the 1975/76 period.

### Latest Trends

Second and third quarter net oil imports were well below the record levels of early 1977. Fourth quarter volumes show another drop.

Hence the 1977/76 change will be less than the 6.3% for the first three quarters. The fourth quarter drop was particularly marked in the U.S., while Europe's fourth quarter net imports, owing to the present volume of North Sea production, tend to stabilise on the record low levels of first quarter 1975.

### ENERGY PRICES

#### Energy Prices for Households in First 3 Quarters 1977

Since second quarter 1977, OECD energy prices for households have increased much less than in previous periods. This reflects mainly the weakening of oil prices in domestic currencies. Given continued price increases for other goods and services, relative energy prices fell back to 1975 levels during the period in the OECD as a whole. In the U.S. they remained stable, due in part to the continued increase of oil import prices in dollar terms.

### Oil Prices

Import prices (\$CiF) of crude oil landed up to November 1977 in major OECD countries have continued on the mild upward trend established mid-1977. Given the appreciation of several

major currencies against the dollar, however, there was an actual drop in November in the weighted average price of imported crude oil in national currencies. Preliminary data suggests that this trend continued into December and January.

Product prices for final consumers have weakened even more than import prices, reflecting distress selling of surplus products.



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T A B L E S  
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TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

OECD

	1975	1976	7EQ04	77Q01	77Q02	77Q03
SOLID FUELS						
(+)PRODUCTION	665.86	680.72	709.30	670.11	712.73	649.72
(+)NET IMPORTS	30.65	31.89	42.51	33.26	30.15	34.77
(-)STOCK CHANGE	39.47	5.28	10.10	-28.09	61.92	-16.23
(=)TOTAL SUPPLY	657.04	707.39	741.71	731.46	680.99	700.86

OIL

(+)PRODUCTION	593.43	595.17	608.79	598.71	594.36	608.70
(+)NET IMPORTS	1098.00	1243.35	1333.87	1313.19	1268.83	1288.84
(-)STOCK CHANGE	-7.96	5.75	-45.78	-91.88	118.22	105.77
(=)TOTAL SUPPLY	1699.39	1832.78	1988.43	2003.78	1744.96	1791.77
OF WHICH:						
GASOLINE	471.64	486.63	491.10	461.97	474.85	535.24
MID. DEST.	394.91	433.17	501.90	538.44	393.33	378.44
HEAVY FUEL	408.26	447.87	505.68	515.79	403.24	415.56

NATURAL GAS

(+)PRODUCTION	667.55	670.85	705.85	737.57	660.36	623.98
(+)NET IMPORTS	17.09	25.06	27.66	28.30	26.34	25.70
(-)STOCK CHANGE	9.00	-3.22	-74.28	-80.15	88.95	92.26
(=)TOTAL SUPPLY	669.09	691.71	799.72	837.20	590.27	548.85

NUCLEAR ELEC.

PRODUCTION=						
TOTAL SUPPLY	76.61	88.30	97.37	107.15	104.69	109.77

HYDROELECTRICITY

PRODUCTION=						
TOTAL SUPPLY	231.16	223.75	220.86	223.30	232.30	211.04

ELECT.NET IMPORTS	-0.89	-1.61	-3.11	-2.26	-3.71	-4.27
-------------------	-------	-------	-------	-------	-------	-------

ALL SOURCES

(+)PRODUCTION	2234.61	2258.79	2342.18	2336.84	2304.44	2203.20
(+)NET IMPORTS	1144.84	1298.69	1400.93	1372.48	1321.60	1345.05
(-)STOCK CHANGE	40.51	7.81	-109.96	-200.12	269.10	181.80
(=)TOTAL SUPPLY	3338.94	3542.32	3644.99	3900.62	3349.50	3358.03

TABLE 1(CTC) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

OECD

-----

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
SOLID FUELS	656.86	707.53	724.33	711.54	702.05	717.36
OIL	1697.69	1830.71	1882.99	1936.02	1825.28	1878.17
OF WHICH:						
GASOLINE	471.49	486.72	486.72	502.68	464.17	510.24
MID.DEST.	395.79	430.93	461.73	459.03	432.71	455.41
HEAVY FUEL	408.06	447.18	460.12	475.38	445.08	456.66
NATURAL GAS	668.48	690.00	712.13	694.77	681.61	680.96
NUCLEAR ELEC.	76.69	88.33	92.84	100.81	117.99	108.73
HYDROELECTRICITY	231.23	223.34	227.03	218.12	221.62	221.71
ALL SOURCES	3336.94	3540.83	3644.54	3638.64	3563.30	3603.03

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
SOLID FUELS	-3.8	7.7	9.4	2.7	1.8	-0.9
OIL	-2.4	7.8	10.7	4.9	3.2	2.9
OF WHICH:						
GASOLINE	1.9	3.2	3.5	2.7	-4.4	5.2
MID.DEST.	-3.3	9.7	14.1	3.7	10.0	6.9
HEAVY FUEL	-9.3	9.7	14.9	5.9	2.7	2.2
NATURAL GAS	-5.0	3.4	9.1	0.7	-1.2	1.9
NUCLEAR ELEC.	38.9	15.3	14.2	24.9	35.3	18.4
HYDROELECTRICITY	-0.6	-3.2	-2.3	-4.4	0.7	0.6
ALL SOURCES	-2.5	6.1	9.3	3.4	2.6	2.1

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
OIL	361.77	375.44	375.44	355.74	384.64	408.14
OF WHICH:						
GASOLINE	49.03	46.59	46.59	53.39	51.73	48.99
MID.DEST.	76.46	74.76	74.76	60.23	69.46	88.29
HEAVY FUEL	47.89	61.93	61.93	58.52	62.36	68.76

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

IEA

	1975	1976	76Q04	77Q01	77Q02	77Q03
<b>SOLID FUELS</b>						
(+) PRODUCTION	599.75	609.17	636.86	601.07	635.74	581.50
(+) NET IMPORTS	33.89	35.38	43.72	37.97	35.16	33.70
(-) STOCK CHANGE	37.24	6.17	12.09	-27.44	59.59	-16.38
(=) TOTAL SUPPLY	596.40	638.38	668.49	666.48	611.33	631.72
<b>OIL</b>						
(+) PRODUCTION	572.06	573.57	588.45	577.76	592.44	606.85
(+) NET IMPORTS	970.62	1098.42	1174.64	1178.96	1141.77	1155.59
(-) STOCK CHANGE	-1.97	3.84	-45.32	-72.11	119.76	90.11
(=) TOTAL SUPPLY	1544.65	1668.15	1808.42	1828.83	1614.44	1672.33
OF WHICH:						
GASOLINE	441.85	455.63	462.03	433.24	442.87	501.22
MID. DEST.	345.38	379.60	440.42	470.71	344.02	341.78
HEAVY FUEL	367.66	401.77	451.96	467.48	365.41	384.92
<b>NATURAL GAS</b>						
(+) PRODUCTION	658.02	660.82	695.10	727.24	649.16	612.01
(+) NET IMPORTS	7.01	12.45	13.59	13.55	12.10	15.03
(-) STOCK CHANGE	9.41	-2.96	-72.76	-78.38	86.20	88.23
(=) TOTAL SUPPLY	649.07	668.80	773.38	810.35	567.59	530.24
<b>NUCLEAR ELEC.</b>						
PRODUCTION=						
TOTAL SUPPLY	72.40	84.70	94.21	102.98	101.01	106.69
<b>HYDROELECTRICITY</b>						
PRODUCTION=						
TOTAL SUPPLY	208.43	204.60	196.64	197.22	203.22	184.87
ELECT. NET IMPORTS	-2.41	-3.40	-3.84	-3.52	-5.25	-5.74
<b>ALL SOURCES</b>						
(+) PRODUCTION	2110.67	2132.87	2211.26	2206.27	2181.57	2091.91
(+) NET IMPORTS	1009.12	1142.85	1228.12	1226.96	1183.77	1198.58
(-) STOCK CHANGE	44.68	7.05	-105.99	-177.94	265.56	161.97
(=) TOTAL SUPPLY	3068.56	3261.24	3537.30	3602.34	3092.35	3120.10

TABLE 1(CTD) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

IEA

---

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
SOLID FUELS	596.28	638.61	655.38	647.07	632.19	643.30
OIL	1544.56	1666.97	1723.94	1756.80	1685.22	1756.65
OF WHICH:						
GASOLINE	441.62	455.64	457.46	469.39	431.64	481.48
MID. DEST.	345.32	377.70	408.17	405.44	377.22	403.05
HEAVY FUEL	367.59	401.14	413.88	429.27	404.22	420.67
NATURAL GAS	648.39	667.00	688.06	671.93	656.93	657.86
NUCLEAR ELEC.	72.57	84.39	89.44	98.41	113.72	104.79
HYDROELECTRICITY	208.57	204.27	204.50	192.58	192.31	193.79
ALL SOURCES	3067.36	3259.36	3362.45	3344.79	3296.74	3347.74

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
SOLID FUELS	-3.9	7.0	9.5	3.2	2.1	-1.3
OIL	-3.3	6.0	11.4	5.7	4.7	5.1
OF WHICH:						
GASOLINE	1.9	3.1	3.7	3.0	-4.7	5.5
MID. DEST.	-2.7	9.9	16.4	5.0	9.0	8.7
HEAVY FUEL	-8.6	9.3	14.7	6.8	4.0	5.2
NATURAL GAS	-5.5	3.0	8.9	0.5	-1.3	1.9
NUCLEAR ELEC.	39.6	17.0	16.4	26.4	38.1	18.6
HYDROELECTRICITY	-0.9	-1.8	-3.8	-7.5	-4.6	-5.5
ALL SOURCES	-3.0	6.3	9.6	3.7	3.1	2.8

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
OIL	324.98	336.56	336.56	321.79	351.09	371.39
OF WHICH:						
GASOLINE	45.51	42.76	42.76	48.61	47.67	45.19
MID. DEST.	63.69	61.05	61.05	49.20	58.92	73.76
HEAVY FUEL	41.60	56.16	56.16	52.93	57.16	62.62

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

EEC

---

	1975	1976	76Q04	77Q01	77Q02	77Q03
	-----	-----	-----	-----	-----	-----
<b>SOLID FUELS</b>						
-----						
(+)PRODUCTION	187.65	184.10	193.76	187.42	171.67	159.78
(+)NET IMPORTS	26.14	27.70	33.44	28.08	30.78	27.70
(-)STOCK CHANGE	17.08	0.54	-4.60	-1.56	8.04	4.24
-----						
(=)TOTAL SUPPLY	196.71	211.27	231.80	217.06	194.41	183.25
-----						

OIL

---

(+)PRODUCTION	11.32	22.60	31.99	40.10	52.61	52.00
(+)NET IMPORTS	458.95	494.32	515.50	471.48	443.20	432.10
(-)STOCK CHANGE	-13.25	1.82	-5.87	-32.39	24.22	30.00
-----						
(=)TOTAL SUPPLY	483.52	514.90	553.37	543.98	471.59	454.10
OF WHICH:						
-----						
GASOLINE	74.06	76.31	75.07	71.55	80.20	87.15
MID. DEST.	153.70	165.95	184.05	194.90	149.83	140.28
HEAVY FUEL	136.89	144.75	164.72	159.79	122.11	103.89
-----						

NATURAL GAS

-----

(+)PRODUCTION	130.29	137.52	162.18	173.30	127.70	93.29
(+)NET IMPORTS	10.78	15.27	16.63	17.96	16.74	14.53
(-)STOCK CHANGE	0.58	0.37	-0.93	-3.02	3.96	5.86
-----						
(=)TOTAL SUPPLY	140.49	152.42	179.73	194.27	140.48	101.96
-----						

NUCLEAR ELEC.

-----

PRODUCTION=						
TOTAL SUPPLY	19.66	21.31	22.72	26.69	26.69	22.83
-----						

HYDROELECTRICITY

-----

PRODUCTION=						
TOTAL SUPPLY	29.01	25.60	32.96	35.05	39.94	37.43
-----						

ELECT.NET IMPORTS	3.74	0.86	0.28	1.73	4.43	5.68
-----						

ALL SOURCES

-----

(+)PRODUCTION	377.92	391.13	443.60	462.56	418.61	365.34
(+)NET IMPORTS	459.60	537.96	565.86	519.24	495.14	480.01
(-)STOCK CHANGE	4.40	2.73	-11.40	-36.97	36.22	40.10
-----						
(=)TOTAL SUPPLY	873.12	926.36	1020.86	1018.77	877.53	805.24
-----						

TABLE 1(CTD) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

EEC

---

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
SOLID FUELS	195.69	210.98	211.85	206.92	200.71	207.55
OIL	483.00	514.29	512.37	530.19	495.36	481.54
OF WHICH:						
GASOLINE	74.10	76.39	74.18	80.21	78.94	80.77
MID.DEST.	155.76	165.53	167.93	158.20	180.52	166.41
HEAVY FUEL	136.52	145.29	142.61	142.04	136.74	125.62
NATURAL GAS	139.96	152.03	153.49	157.81	159.27	142.40
NUCLEAR ELEC.	19.73	21.28	21.25	23.92	29.19	25.48
HYDROELECTRICITY	29.06	25.61	32.38	35.64	38.25	38.88
ALL SOURCES	872.04	925.06	937.42	960.20	938.53	881.97

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
SOLID FUELS	-8.7	7.4	10.8	3.1	-2.2	-10.2
OIL	-6.7	6.5	5.3	-2.4	0.5	-5.4
OF WHICH:						
GASOLINE	1.7	3.0	3.0	2.1	3.2	5.8
MID.DEST.	-5.1	8.0	6.4	-5.6	14.1	-1.2
HEAVY FUEL	-13.6	5.7	5.1	0.4	-4.6	-18.3
NATURAL GAS	2.9	8.5	4.8	2.1	6.1	-4.9
NUCLEAR ELEC.	22.5	8.4	-1.7	17.6	33.1	15.4
HYDROELECTRICITY	4.0	-11.8	26.5	38.8	68.8	82.4
ALL SOURCES	-4.9	6.5	6.7	1.2	3.8	-3.2

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
	----	----	-----	-----	-----	-----
OIL	123.97	126.17	126.17	118.79	125.06	132.56
OF WHICH:						
GASOLINE	10.75	11.70	11.70	13.97	12.93	12.06
MID.DEST.	33.88	32.79	32.79	27.48	29.17	35.37
HEAVY FUEL	24.84	21.31	21.31	22.01	22.74	26.92



TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

UNITED STATES

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS						
(+) PRODUCTION	378.27	390.17	402.47	375.20	428.42	384.22
(+) NET IMPORTS	-37.92	-34.57	-36.00	-20.29	-40.48	-36.44
(-) STOCK CHANGE	20.96	4.69	13.00	-23.84	48.43	-21.03
(=) TOTAL SUPPLY	319.39	350.91	353.47	378.75	339.52	368.82

OIL

(+) PRODUCTION	463.17	454.81	452.76	439.52	450.11	465.31
(+) NET IMPORTS	279.03	351.33	386.70	441.48	412.83	446.78
(-) STOCK CHANGE	5.69	-2.75	-44.64	-20.87	47.66	62.85
(=) TOTAL SUPPLY	736.52	808.90	884.10	901.87	815.28	849.24
OF WHICH:						
GASOLINE	316.31	323.99	329.35	307.18	305.63	350.43
MID. DEST.	143.11	159.37	196.05	217.15	144.12	139.32
HEAVY FUEL	119.90	137.92	159.22	177.87	129.71	158.75

NATURAL GAS

(+) PRODUCTION	469.67	464.85	467.68	481.79	465.63	465.53
(+) NET IMPORTS	20.42	21.00	21.86	24.48	21.49	19.71
(-) STOCK CHANGE	7.19	-4.06	-69.41	-69.23	78.76	81.09
(=) TOTAL SUPPLY	482.90	489.92	558.96	575.49	408.36	404.15

NUCLEAR ELEC.

PRODUCTION=						
TOTAL SUPPLY	42.17	46.67	53.31	60.92	60.09	66.82

HYDROELECTRICITY

PRODUCTION=						
TOTAL SUPPLY	73.25	69.25	59.57	54.26	53.49	48.20

ELECT. NET IMPORTS

	-	-	-	-	-	-
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ALL SOURCES

(+) PRODUCTION	1426.53	1425.76	1435.80	1411.68	1457.73	1430.09
(+) NET IMPORTS	261.54	337.76	372.56	445.66	393.84	430.05
(-) STOCK CHANGE	33.84	-2.13	-101.05	-113.94	174.84	122.91
(=) TOTAL SUPPLY	1654.22	1765.64	1509.41	1971.29	1676.73	1737.23

TABLE 1(CTD) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

UNITED STATES

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	320.50	350.11	371.90	355.04	357.75	358.06
OIL	736.56	808.41	849.28	889.42	842.24	870.13
OF WHICH:						
GASOLINE	316.20	324.08	326.09	333.53	297.89	335.99
MID. DEST.	142.63	158.23	176.94	183.25	160.49	172.21
HEAVY FUEL	119.89	137.51	146.61	162.73	145.09	171.07
NATURAL GAS	482.55	488.92	500.15	482.88	472.54	484.84
NUCLEAR ELEC.	42.30	46.49	52.04	58.64	68.83	62.28
HYDROELECTRICITY	73.75	69.41	67.20	50.14	49.20	52.52
ALL SOURCES	1654.31	1765.27	1841.28	1815.18	1802.94	1834.46

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	-2.1	9.9	11.6	2.9	4.5	3.3
OIL	-1.6	9.8	14.0	10.4	7.7	9.2
OF WHICH:						
GASOLINE	1.5	2.4	2.9	2.1	-7.8	4.8
MID. DEST.	-3.7	11.4	20.6	15.8	9.9	13.6
HEAVY FUEL	-8.7	15.0	28.5	19.0	10.4	26.5
NATURAL GAS	-7.7	1.5	9.6	-0.7	-3.9	2.0
NUCLEAR ELEC.	51.8	10.7	19.8	40.3	58.6	28.3
HYDROELECTRICITY	-0.5	-5.5	-16.5	-28.1	-27.0	-29.8
ALL SOURCES	-2.6	6.7	11.2	4.7	3.6	5.2

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
OIL	148.82	146.75	146.75	141.53	153.44	169.15
OF WHICH:						
GASOLINE	30.53	26.37	26.37	29.83	29.27	28.85
MID. DEST.	26.83	26.15	26.15	20.55	25.54	35.50
HEAVY FUEL	11.12	27.40	27.40	25.59	27.28	28.64

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

JAPAN

	1975	1976	76Q04	77Q01	77Q02	77Q03
<b>SOLID FUELS</b>						
(+) PRODUCTION	13.91	13.47	14.04	13.54	12.73	12.94
(+) NET IMPORTS	45.61	43.99	48.49	43.78	44.93	43.06
(-) STOCK CHANGE	0.34	0.02	0.59	0.89	1.58	0.85
(=) TOTAL SUPPLY	59.18	57.44	61.93	56.43	56.08	55.15
<b>OIL</b>						
(+) PRODUCTION	0.61	0.59	0.66	0.68	0.57	0.56
(+) NET IMPORTS	223.32	242.64	255.04	262.08	242.27	245.32
(-) STOCK CHANGE	-0.12	4.10	-4.37	-15.34	19.43	4.10
(=) TOTAL SUPPLY	224.05	239.13	260.07	278.10	223.40	241.78
OF WHICH:						
GASOLINE	22.79	23.65	25.29	23.77	23.44	26.27
MID. DEST.	29.88	31.06	34.16	36.39	29.52	30.99
HEAVY FUEL	79.75	86.01	89.60	94.57	81.53	88.24
<b>NATURAL GAS</b>						
(+) PRODUCTION	2.19	2.24	2.59	2.76	2.42	2.39
(+) NET IMPORTS	4.61	5.86	6.25	6.84	6.20	7.47
(-) STOCK CHANGE	0.01	-	-0.01	-0.07	0.01	0.04
(=) TOTAL SUPPLY	6.79	8.10	8.85	9.67	8.61	9.82
<b>NUCLEAR ELEC.</b>						
PRODUCTION=						
TOTAL SUPPLY	5.31	8.92	8.60	5.37	5.74	7.83
<b>HYDROELECTRICITY</b>						
PRODUCTION=						
TOTAL SUPPLY	19.12	20.43	16.41	14.60	24.73	18.35
<b>ELECT. NET IMPORTS</b>						
	-	-	-	-	-	-
<b>ALL SOURCES</b>						
(+) PRODUCTION	41.14	45.65	42.30	36.96	46.19	42.06
(+) NET IMPORTS	273.54	292.49	309.77	312.70	293.39	295.86
(-) STOCK CHANGE	0.23	4.11	-3.79	-14.52	21.02	4.99
(=) TOTAL SUPPLY	314.46	334.03	355.86	364.18	318.57	332.93

TABLE 1(CTC) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

JAPAN

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	59.21	57.62	58.54	58.65	56.70	56.61
OIL	223.96	239.11	247.21	253.51	241.26	261.39
OF WHICH:						
GASOLINE	22.79	23.64	24.09	24.23	23.51	27.02
MID. DEST.	29.88	31.04	32.29	33.51	31.11	34.17
HEAVY FUEL	79.73	85.99	85.66	92.71	88.33	87.28
NATURAL GAS	6.83	8.13	9.37	8.46	8.97	10.40
NUCLEAR ELEC.	5.29	8.93	8.27	5.68	6.14	7.28
HYDROELECTRICITY	19.27	20.37	19.14	19.46	20.10	15.60
ALL SOURCES	314.40	334.02	348.20	357.04	319.20	346.80

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	-6.2	-2.9	0.6	2.7	-3.0	0.2
OIL	-5.9	6.7	6.6	8.5	3.2	8.0
OF WHICH:						
GASOLINE	4.8	3.8	3.5	5.1	-0.8	13.9
MID. DEST.	-5.0	3.9	6.9	9.0	2.9	10.6
HEAVY FUEL	-8.0	7.9	5.9	4.8	3.5	3.3
NATURAL GAS	19.9	19.2	15.0	8.4	23.9	28.0
NUCLEAR ELEC.	45.0	67.9	36.5	-32.7	-36.3	-22.4
HYDROELECTRICITY	-4.9	6.9	-9.4	-8.3	-0.9	-24.9
ALL SOURCES	-4.9	6.2	5.4	5.9	1.1	3.7

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
OIL	41.12	51.55	51.55	47.71	52.57	53.60
OF WHICH:						
GASOLINE	1.98	1.92	1.92	1.66	1.97	1.51
MID. DEST.	2.37	3.09	3.09	2.12	2.82	2.83
HEAVY FUEL	4.04	4.52	4.52	3.64	4.28	4.40

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

FRANCE

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS						
(+) PRODUCTION	16.30	15.94	15.83	17.43	16.96	11.50
(+) NET IMPORTS	13.17	14.03	15.82	14.23	16.77	15.46
(-) STOCK CHANGE	2.22	-0.88	-1.99	-0.65	2.33	0.15
(=) TOTAL SUPPLY	27.25	30.86	33.64	32.31	31.40	26.81

OIL

(+) PRODUCTION	1.27	1.92	1.93	1.87	1.92	1.85
(+) NET IMPORTS	100.06	116.84	123.92	113.43	98.51	101.37
(-) STOCK CHANGE	-6.21	1.36	-4.43	-11.83	-5.09	13.97
(=) TOTAL SUPPLY	107.54	117.40	130.28	127.13	105.52	89.25
OF WHICH:						
GASOLINE	17.39	17.80	16.56	15.12	18.02	19.83
MID. DEST.	37.09	40.81	47.90	52.76	36.73	23.61
HEAVY FUEL	30.26	34.16	39.84	36.53	26.77	21.10

NATURAL GAS

(+) PRODUCTION	5.69	5.46	6.21	6.06	5.73	5.85
(+) NET IMPORTS	9.56	11.97	13.32	14.07	13.59	10.16
(-) STOCK CHANGE	-0.41	-0.27	-1.52	-1.77	2.75	4.03
(=) TOTAL SUPPLY	15.66	17.70	21.04	21.89	16.57	11.99

NUCLEAR ELEC.

PRODUCTION = TOTAL SUPPLY	4.21	3.61	3.16	4.17	3.68	3.08
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HYDROELECTRICITY

PRODUCTION = TOTAL SUPPLY	13.94	11.51	16.27	18.13	20.51	17.66
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ELECT. NET IMPORTS	0.56	0.49	-0.17	0.96	1.23	1.10
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ALL SOURCES

(+) PRODUCTION	41.41	38.44	43.39	47.65	48.81	39.95
(+) NET IMPORTS	123.36	143.33	152.89	142.69	130.10	128.09
(-) STOCK CHANGE	-4.40	0.21	-7.94	-14.24	-0.01	18.14
(=) TOTAL SUPPLY	169.17	181.56	204.22	204.58	178.91	149.90

TABLE 1(CTD) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

FRANCE

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	7EQ04	77Q01	77Q02	77Q03
SOLID FUELS	27.11	31.19	30.60	29.39	32.07	33.65
OIL	107.31	117.28	114.59	127.38	113.83	95.15
OF WHICH:						
GASOLINE	17.44	17.82	17.18	17.22	17.29	17.80
MID.DEST.	38.92	40.61	41.15	40.80	41.79	35.62
HEAVY FUEL	30.28	34.51	33.17	32.27	29.55	27.72
NATURAL GAS	15.72	17.49	17.66	18.40	19.17	15.76
NUCLEAR ELEC.	4.28	3.62	2.99	3.60	3.68	3.86
HYDROELECTRICITY	13.97	11.45	15.79	16.92	20.17	19.91
ALL SOURCES	168.78	181.03	185.82	195.21	189.73	165.08

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	7EQ04	77Q01	77Q02	77Q03
SOLID FUELS	-10.7	13.2	18.5	4.8	1.6	-4.5
OIL	-5.9	9.2	4.5	-4.2	1.7	-13.1
OF WHICH:						
GASOLINE	-	2.3	0.2	-6.4	-2.5	-0.9
MID.DEST.	-13.9	10.0	-0.7	-6.7	22.3	-17.9
HEAVY FUEL	-15.1	12.9	14.8	-1.4	-11.6	-28.4
NATURAL GAS	12.3	13.0	12.0	6.9	-3.4	-1.0
NUCLEAR ELEC.	27.7	-14.3	-26.4	-2.3	-13.4	12.1
HYDROELECTRICITY	6.2	-17.5	26.3	49.0	108.1	128.1
ALL SOURCES	-3.8	7.4	7.8	1.7	7.2	-2.7

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	7EQ04	77Q01	77Q02	77Q03
OIL	31.01	32.33	32.33	29.37	28.10	31.59
OF WHICH:						
GASOLINE	3.22	3.46	3.46	4.28	3.64	3.47
MID.DEST.	11.34	12.16	12.16	9.91	9.21	12.90
HEAVY FUEL	5.32	4.67	4.67	4.68	4.19	4.83

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

GERMANY

	1975	1976	76Q04	77Q01	77Q02	77Q03
<b>SOLID FUELS</b>						
(+) PRODUCTION	88.14	88.05	91.74	88.59	74.53	80.47
(+) NET IMPORTS	-9.46	-8.34	-6.39	-5.68	-8.45	-10.27
(-) STOCK CHANGE	7.67	-0.26	0.32	10.06	2.00	3.75
(=) TOTAL SUPPLY	71.01	79.97	85.02	72.84	64.08	66.45
<b>OIL</b>						
(+) PRODUCTION	5.84	5.58	5.54	5.50	5.47	5.49
(+) NET IMPORTS	121.33	134.90	142.77	126.04	126.24	138.70
(-) STOCK CHANGE	0.26	2.85	7.79	-0.83	-0.94	8.42
(=) TOTAL SUPPLY	126.92	137.63	140.52	132.37	132.66	135.77
OF WHICH:						
GASOLINE	18.30	18.45	19.17	20.11	23.01	24.21
MID. DEST.	55.03	59.57	59.85	61.24	57.35	60.33
HEAVY FUEL	21.81	23.81	27.04	23.65	20.00	19.45
<b>NATURAL GAS</b>						
(+) PRODUCTION	11.45	11.50	14.29	15.60	10.45	10.62
(+) NET IMPORTS	21.67	23.86	26.33	28.58	24.71	19.74
(-) STOCK CHANGE	-	-	-	-	-	-
(=) TOTAL SUPPLY	33.12	35.36	40.62	44.18	35.17	30.36
<b>NUCLEAR ELEC.</b>						
PRODUCTION=						
TOTAL SUPPLY	4.78	5.40	7.58	9.06	9.42	5.99
<b>HYDROELECTRICITY</b>						
PRODUCTION=						
TOTAL SUPPLY	3.98	3.27	2.95	3.87	4.67	4.65
ELECT. NET IMPORTS	1.85	0.23	0.40	0.58	2.25	3.86
<b>ALL SOURCES</b>						
(+) PRODUCTION	114.20	113.79	122.09	122.62	104.55	107.21
(+) NET IMPORTS	135.39	150.66	163.11	149.52	144.75	152.03
(-) STOCK CHANGE	7.91	2.60	8.11	9.24	1.06	12.17
(=) TOTAL SUPPLY	241.68	261.86	277.09	262.90	248.24	247.07

TABLE 1(CTD) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

GERMANY

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	71.17	81.95	77.97	69.20	66.34	75.54
OIL	126.93	137.78	138.72	139.77	131.35	131.81
OF WHICH:						
GASOLINE	18.29	18.45	18.26	22.80	22.60	23.05
MID. DEST.	55.04	59.48	60.76	57.83	59.74	60.63
HEAVY FUEL	21.78	23.85	23.19	23.89	22.32	20.54
NATURAL GAS	32.89	35.27	35.66	36.42	38.73	41.52
NUCLEAR ELEC.	4.86	5.29	6.50	8.18	11.22	6.76
HYDROELECTRICITY	3.97	3.27	3.11	4.19	4.41	4.49
ALL SOURCES	241.64	261.81	262.89	263.16	255.39	253.41

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	-14.3	12.6	11.9	0.7	-11.8	-26.0
OIL	-4.1	8.4	7.3	-4.8	2.1	-3.7
OF WHICH:						
GASOLINE	-70.9	9.6	-1.3	25.2	21.5	23.2
MID. DEST.	-1.0	8.2	13.4	-8.5	10.1	1.6
HEAVY FUEL	-10.7	9.2	2.5	-0.7	-7.1	-14.8
NATURAL GAS	-6.3	6.8	2.9	2.5	14.7	12.1
NUCLEAR ELEC.	76.5	12.9	31.7	52.4	147.1	40.7
HYDROELECTRICITY	-4.2	-18.0	2.5	24.1	32.8	33.7
ALL SOURCES	-6.8	9.1	8.5	-0.2	3.0	-7.1

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
OIL	25.43	28.28	28.28	28.07	27.83	29.94
OF WHICH:						
GASOLINE	2.26	2.33	2.33	2.57	2.44	2.22
MID. DEST.	8.32	8.06	8.06	7.13	7.19	8.26
HEAVY FUEL	2.34	2.37	2.37	2.81	2.87	3.02



TABLE 1(CTD) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

ITALY

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	9.18	8.91	10.43	8.14	9.16	9.70
OIL	89.54	93.83	92.08	92.50	92.21	88.30
OF WHICH:						
GASOLINE	11.64	11.42	10.50	10.98	11.48	11.55
MID.DEST.	20.15	22.33	24.21	20.16	19.77	22.18
HEAVY FUEL	38.93	41.07	36.80	41.02	41.04	36.18
NATURAL GAS	18.39	22.65	22.56	21.89	22.29	20.43
NUCLEAR ELEC.	0.86	0.81	0.86	0.82	0.81	0.63
HYDROELECTRICITY	9.65	9.66	13.87	13.97	11.09	13.00
ALL SOURCES	129.12	136.07	138.03	135.73	139.54	133.30

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	-2.1	-3.2	17.4	15.1	0.8	1.2
OIL	-8.2	4.7	2.0	-0.6	0.3	-10.1
OF WHICH:						
GASOLINE	-73.5	287.8	-12.0	-9.8	1.9	-1.6
MID.DEST.	-2.7	11.4	11.6	-6.9	5.2	-10.2
HEAVY FUEL	-10.8	3.9	-4.7	5.2	-1.4	-22.8
NATURAL GAS	14.3	20.8	5.5	3.5	-3.8	-13.9
NUCLEAR ELEC.	14.7	-5.2	11.8	10.6	46.8	-42.5
HYDROELECTRICITY	8.4	-4.1	40.0	43.5	51.5	69.8
ALL SOURCES	-3.8	5.8	5.4	3.1	3.7	-4.9

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
OIL	19.40	19.27	19.27	18.56	22.20	22.25
OF WHICH:						
GASOLINE	1.37	1.57	1.57	2.55	2.17	2.05
MID.DEST.	3.72	3.60	3.60	3.22	4.12	4.46
HEAVY FUEL	4.63	4.16	4.16	4.77	5.85	6.72

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

ITALY

	1975	1976	76Q04	77Q01	77Q02	77Q03
<b>SOLID FUELS</b>						
(+) PRODUCTION	0.50	0.51	0.45	0.45	0.45	0.45
(+) NET IMPORTS	8.92	8.29	9.99	7.90	8.77	8.54
(-) STOCK CHANGE	0.23	-0.10	-0.11	0.22	0.23	-0.14
(=) TOTAL SUPPLY	9.19	8.89	10.55	8.13	8.99	9.14
<b>OIL</b>						
(+) PRODUCTION	1.07	1.15	1.18	1.04	1.04	1.08
(+) NET IMPORTS	85.14	91.98	96.37	95.13	94.54	81.79
(-) STOCK CHANGE	-3.34	-0.66	-2.26	-5.76	14.53	0.22
(=) TOTAL SUPPLY	89.55	93.79	99.81	101.93	81.05	82.65
OF WHICH:						
GASOLINE	2.95	11.42	10.36	10.00	11.41	12.82
MID. DEST.	20.13	22.42	26.32	25.10	15.96	19.09
HEAVY FUEL	39.12	40.65	41.69	46.60	35.66	31.22
<b>NATURAL GAS</b>						
(+) PRODUCTION	12.23	13.16	14.74	13.56	10.11	8.13
(+) NET IMPORTS	7.30	9.93	11.81	11.84	10.21	9.45
(-) STOCK CHANGE	0.92	0.61	0.59	-1.22	1.21	1.79
(=) TOTAL SUPPLY	18.61	22.47	25.96	26.62	19.12	15.79
<b>NUCLEAR ELEC.</b>						
PRODUCTION =						
TOTAL SUPPLY	0.85	0.80	0.87	0.97	0.73	0.56
<b>HYDROELECTRICITY</b>						
PRODUCTION =						
TOTAL SUPPLY	9.73	9.33	12.13	11.26	13.45	14.39
ELECT. NET IMPORTS	1.12	0.71	0.15	0.53	0.98	0.77
<b>ALL SOURCES</b>						
(+) PRODUCTION	24.39	24.95	29.36	27.28	25.79	24.61
(+) NET IMPORTS	102.47	110.90	118.33	115.40	114.51	100.55
(-) STOCK CHANGE	-2.19	-0.14	-1.79	-6.76	15.97	1.86
(=) TOTAL SUPPLY	129.04	136.00	149.48	149.44	124.33	123.30

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

NETHERLANDS

	1975	1976	76Q04	77Q01	77Q02	77Q03
<b>SOLID FUELS</b>						
(+) PRODUCTION	-	-	-	-	-	-
(+) NET IMPORTS	2.67	3.13	4.16	2.88	2.91	2.47
(-) STOCK CHANGE	0.01	0.01	0.04	-0.02	0.01	0.01
(=) TOTAL SUPPLY	2.66	3.12	4.12	2.90	2.90	2.46
<b>OIL</b>						
(+) PRODUCTION	1.59	1.58	1.65	1.67	1.65	1.62
(+) NET IMPORTS	21.06	26.50	26.22	24.21	27.18	23.66
(-) STOCK CHANGE	-1.18	0.02	-2.30	-2.75	4.46	0.57
(=) TOTAL SUPPLY	23.84	28.06	30.17	28.64	24.37	24.72
OF WHICH:						
GASOLINE	3.92	4.15	4.28	3.93	4.30	4.26
MID. DEST.	5.35	7.48	8.47	8.17	6.48	5.69
HEAVY FUEL	1.95	2.99	3.67	2.70	1.79	1.80
<b>NATURAL GAS</b>						
(+) PRODUCTION	69.98	74.95	87.36	92.71	70.35	45.97
(+) NET IMPORTS	-37.97	-41.50	-46.95	-49.15	-41.74	-32.72
(-) STOCK CHANGE	-	-	-	-	-	-
(=) TOTAL SUPPLY	32.01	33.45	40.42	43.56	28.61	13.25
<b>NUCLEAR ELEC.</b>						
PRODUCTION=						
TOTAL SUPPLY	0.75	0.86	1.00	0.51	0.96	0.97
<b>HYDROELECTRICITY</b>						
PRODUCTION=						
TOTAL SUPPLY	-	-	-	-	-	-
ELECT. NET IMPORTS	-0.06	-0.08	-0.08	-0.05	0.12	-0.04
<b>ALL SOURCES</b>						
(+) PRODUCTION	72.32	77.39	90.01	94.89	72.95	48.57
(+) NET IMPORTS	-14.30	-11.95	-16.64	-22.11	-11.52	-6.63
(-) STOCK CHANGE	-1.17	0.03	-2.26	-2.77	4.47	0.58
(=) TOTAL SUPPLY	59.19	65.41	75.63	75.55	56.96	41.36

TABLE 1(CTC) - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE)

NETHERLANDS

SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	2.65	3.12	4.09	2.96	2.80	2.54
OIL	23.87	28.04	29.07	26.79	25.41	26.46
OF WHICH:						
GASOLINE	3.91	4.15	4.22	4.14	4.13	4.28
MID.DEST.	5.37	7.47	7.60	7.08	7.34	6.72
HEAVY FUEL	1.89	2.98	2.97	2.65	1.98	2.15
NATURAL GAS	31.65	33.00	33.77	34.04	33.03	20.69
NUCLEAR ELEC.	0.71	0.84	0.81	0.85	0.88	0.86
HYDROELECTRICITY	-	-	-	-	-	-
ALL SOURCES	58.97	65.06	67.52	65.98	62.87	50.02

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	-8.8	17.3	45.8	12.1	-0.2	-14.1
OIL	-8.4	17.7	17.0	-4.5	-6.0	-5.5
OF WHICH:						
GASOLINE	8.0	6.0	2.8	-0.5	3.6	0.9
MID.DEST.	-14.1	39.8	19.8	-7.1	1.2	-9.1
HEAVY FUEL	-39.9	52.9	14.1	-19.0	-27.7	-26.8
NATURAL GAS	3.6	4.5	2.6	-2.9	6.1	-38.5
NUCLEAR ELEC.	3.6	14.0	2.1	-4.1	3.6	0.2
HYDROELECTRICITY	-	-	-	-	-	-
ALL SOURCES	-2.2	10.5	9.7	-3.0	0.6	-19.6

OIL STOCKS (MTOE)

ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
OIL	11.15	11.17	11.17	10.47	11.59	11.73
OF WHICH:						
GASOLINE	0.75	0.91	0.91	0.80	0.81	0.77
MID.DEST.	2.44	1.73	1.73	1.51	1.75	1.93
HEAVY FUEL	1.81	1.80	1.80	2.15	1.69	2.45

TABLE 1 - QUARTERLY ENERGY PRIMARY CONSUMPTION (MTOE/YEAR)

UNITED KINGDOM

	1975	1976	76Q04	77Q01	77Q02	77Q03
<b>SOLID FUELS</b>						
(+) PRODUCTION	77.44	74.50	80.48	75.31	74.43	63.45
(+) NET IMPORTS	1.23	0.41	-0.14	-0.50	-0.39	0.75
(-) STOCK CHANGE	6.56	1.55	-2.68	-11.72	3.41	1.84
(=) TOTAL SUPPLY	72.11	73.36	83.02	86.53	70.63	62.36
<b>OIL</b>						
(+) PRODUCTION	1.40	12.18	21.34	29.58	42.01	41.33
(+) NET IMPORTS	87.34	79.42	76.89	62.64	51.02	40.50
(-) STOCK CHANGE	-3.70	0.04	-0.04	-9.24	5.26	0.91
(=) TOTAL SUPPLY	92.43	91.56	98.27	101.47	87.77	80.93
OF WHICH:						
GASOLINE	16.99	17.84	18.19	16.03	17.66	18.88
MID. DEST.	19.97	19.70	22.38	25.04	18.44	16.05
HEAVY FUEL	30.19	27.03	29.95	32.32	25.39	17.41
<b>NATURAL GAS</b>						
(+) PRODUCTION	30.89	32.42	39.55	45.34	31.02	22.68
(+) NET IMPORTS	0.75	0.91	0.65	0.66	0.59	0.62
(-) STOCK CHANGE	-	-	-	-	-	-
(=) TOTAL SUPPLY	31.64	33.32	40.20	45.99	31.61	23.30
<b>NUCLEAR ELEC.</b>						
PRODUCTION=						
TOTAL SUPPLY	7.45	8.29	9.16	10.58	8.65	8.85
<b>HYDROELECTRICITY</b>						
PRODUCTION=						
TOTAL SUPPLY	0.99	1.12	1.12	1.32	1.02	0.51
ELECT. NET IMPORTS	0.02	-0.02	-0.06	-	-	-
<b>ALL SOURCES</b>						
(+) PRODUCTION	118.17	128.51	151.65	162.14	157.13	136.82
(+) NET IMPORTS	89.34	80.71	77.34	62.80	51.22	41.87
(-) STOCK CHANGE	2.86	1.58	-2.72	-20.96	8.66	2.75
(=) TOTAL SUPPLY	204.65	207.63	231.71	245.90	199.69	175.95

UK  
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SEASONALLY ADJUSTED SUPPLY (MTOE/YEAR)

	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	73.15	74.43	72.67	94.31	70.80	72.20
OIL	92.43	91.63	89.58	91.91	93.87	93.66
OF WHICH:						
GASOLINE	16.98	17.83	18.16	17.51	17.29	17.79
MID. DEST.	20.06	19.60	19.24	21.19	20.44	21.32
HEAVY FUEL	30.14	27.06	25.45	26.98	28.72	23.46
NATURAL GAS	31.49	32.75	33.91	35.84	35.48	36.34
NUCLEAR ELEC.	7.40	8.36	8.69	8.96	9.51	10.30
HYDROELECTRICITY	1.05	1.22	1.03	0.96	1.62	0.75
ALL SOURCES	204.12	207.16	205.96	223.14	213.11	210.97

PERIOD OF CURRENT YEAR OVER  
CORRESPONDING PERIOD OF LAST YEAR

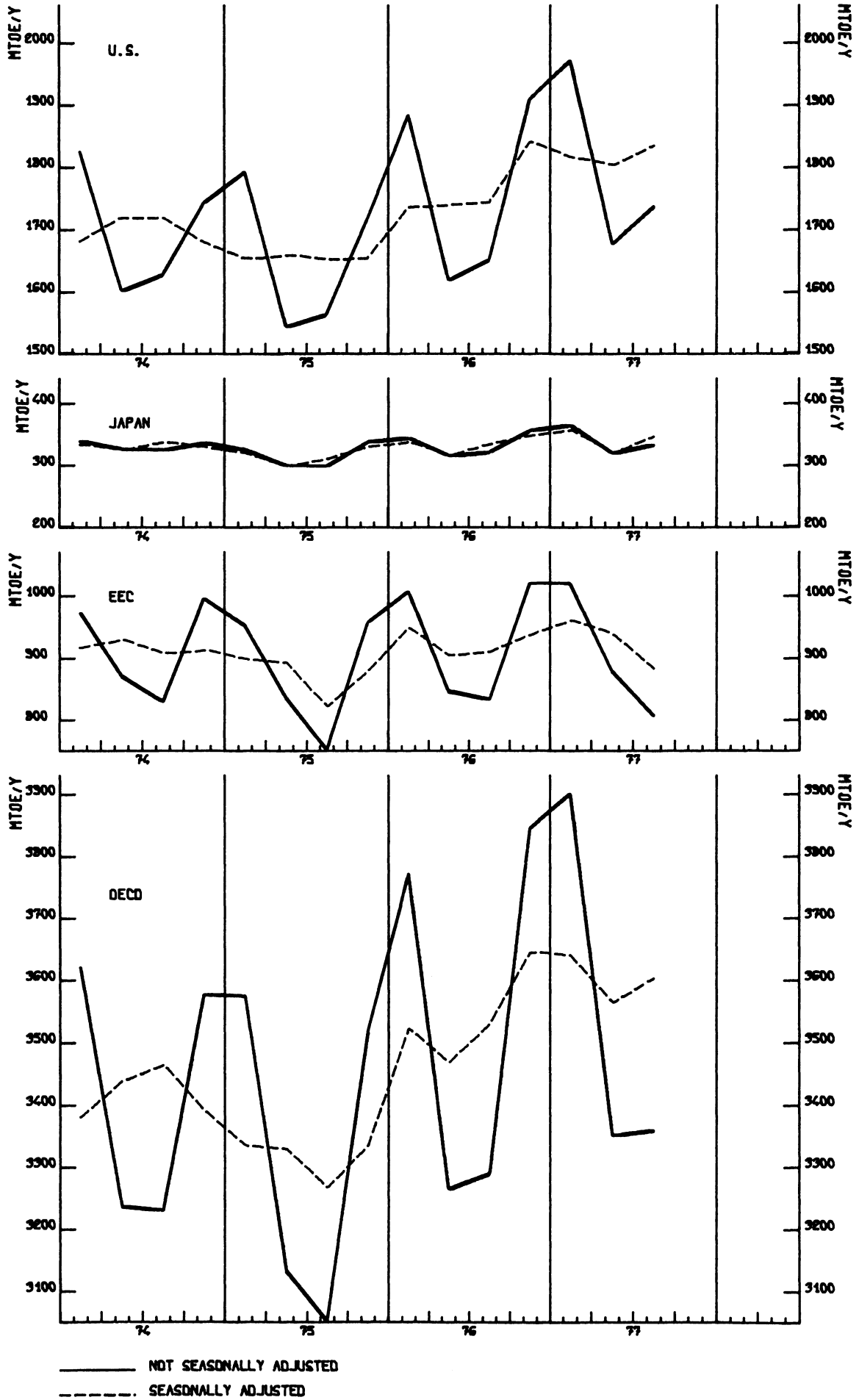
	1975	1976	76Q04	77Q01	77Q02	77Q03
SOLID FUELS	1.7	1.7	6.0	4.4	3.7	5.0
OIL	-12.1	-0.9	-0.3	-0.3	1.1	1.9
OF WHICH:						
GASOLINE	-5.6	5.0	10.2	0.5	-4.1	0.4
MID. DEST.	-5.0	-1.4	-2.6	1.1	5.8	12.9
HEAVY FUEL	-18.3	-10.5	-7.3	-3.4	2.7	-12.9
NATURAL GAS	4.5	5.3	4.0	3.6	10.5	16.1
NUCLEAR ELEC.	-12.8	11.3	7.1	28.4	11.8	10.1
HYDROELECTRICITY	-4.9	12.8	-8.3	-23.5	-9.1	-
ALL SOURCES	-5.2	1.5	2.8	2.9	3.8	5.1

OIL STOCKS (MTOE)

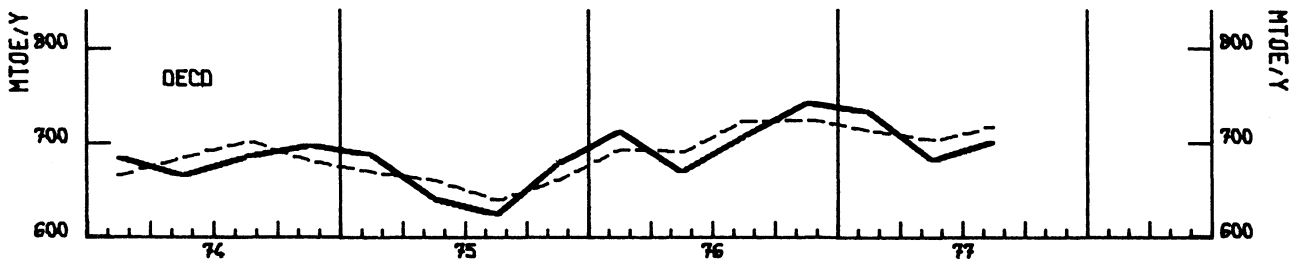
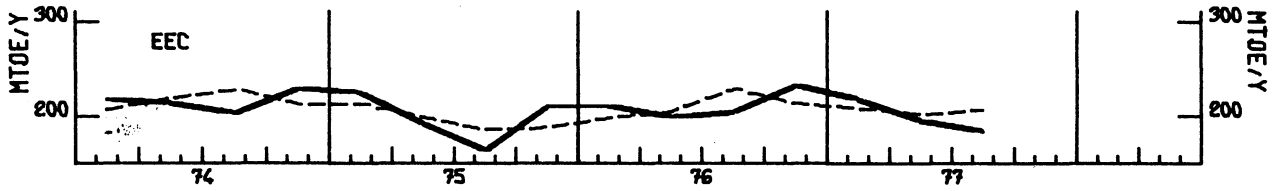
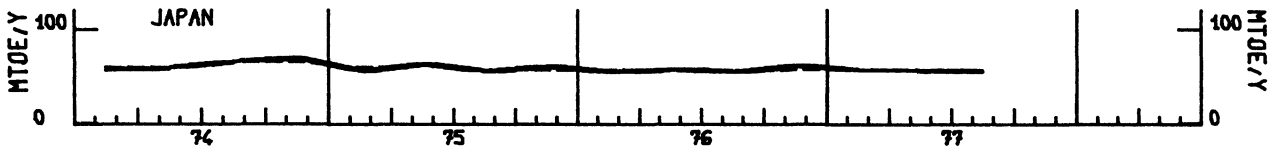
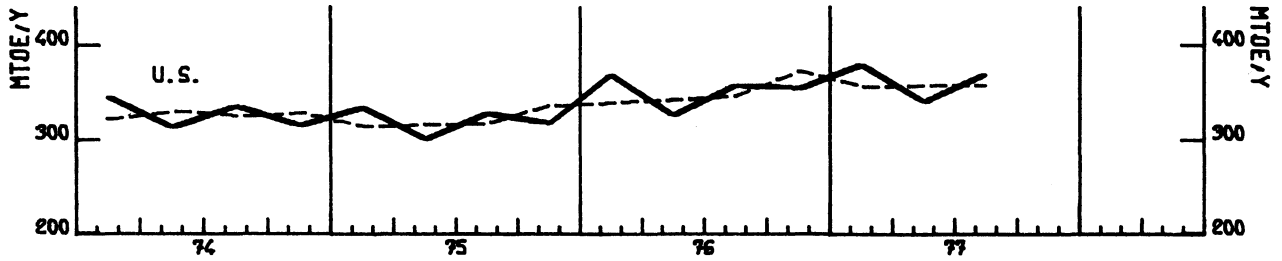
ACTUAL LEVELS (AT END OF PERIOD)

	1975	1976	76Q04	77Q01	77Q02	77Q03
OIL	22.86	22.89	22.89	20.58	21.90	22.12
OF WHICH:						
GASOLINE	2.17	2.29	2.29	2.47	2.38	2.17
MID. DEST.	3.44	3.14	3.14	2.38	2.88	3.06
HEAVY FUEL	5.33	4.71	4.71	4.13	4.18	4.96

-GRAPH 1- ALL ENERGY SOURCES CONSUMPTION



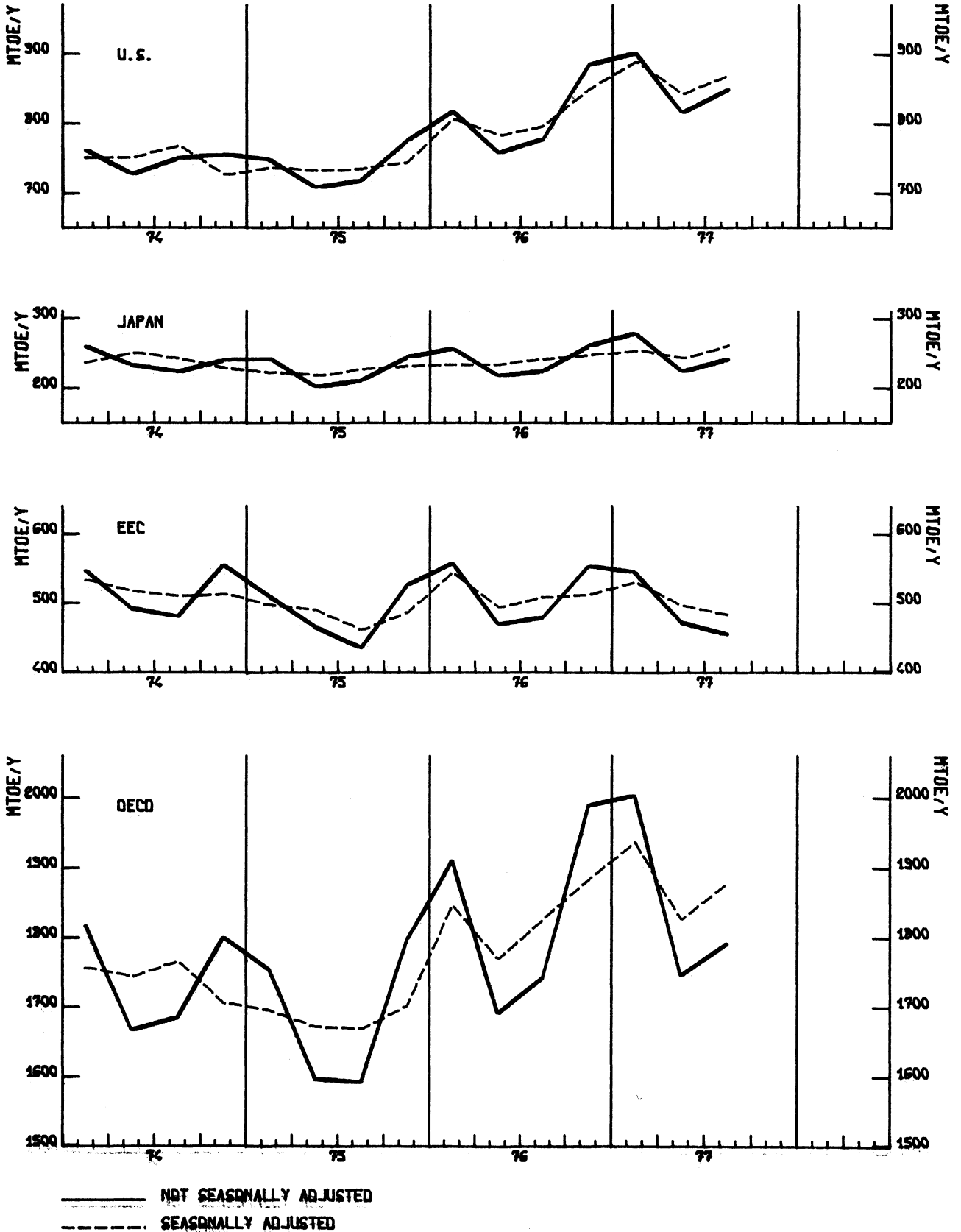
-GRAPH 2- SOLID FUELS PRIMARY CONSUMPTION



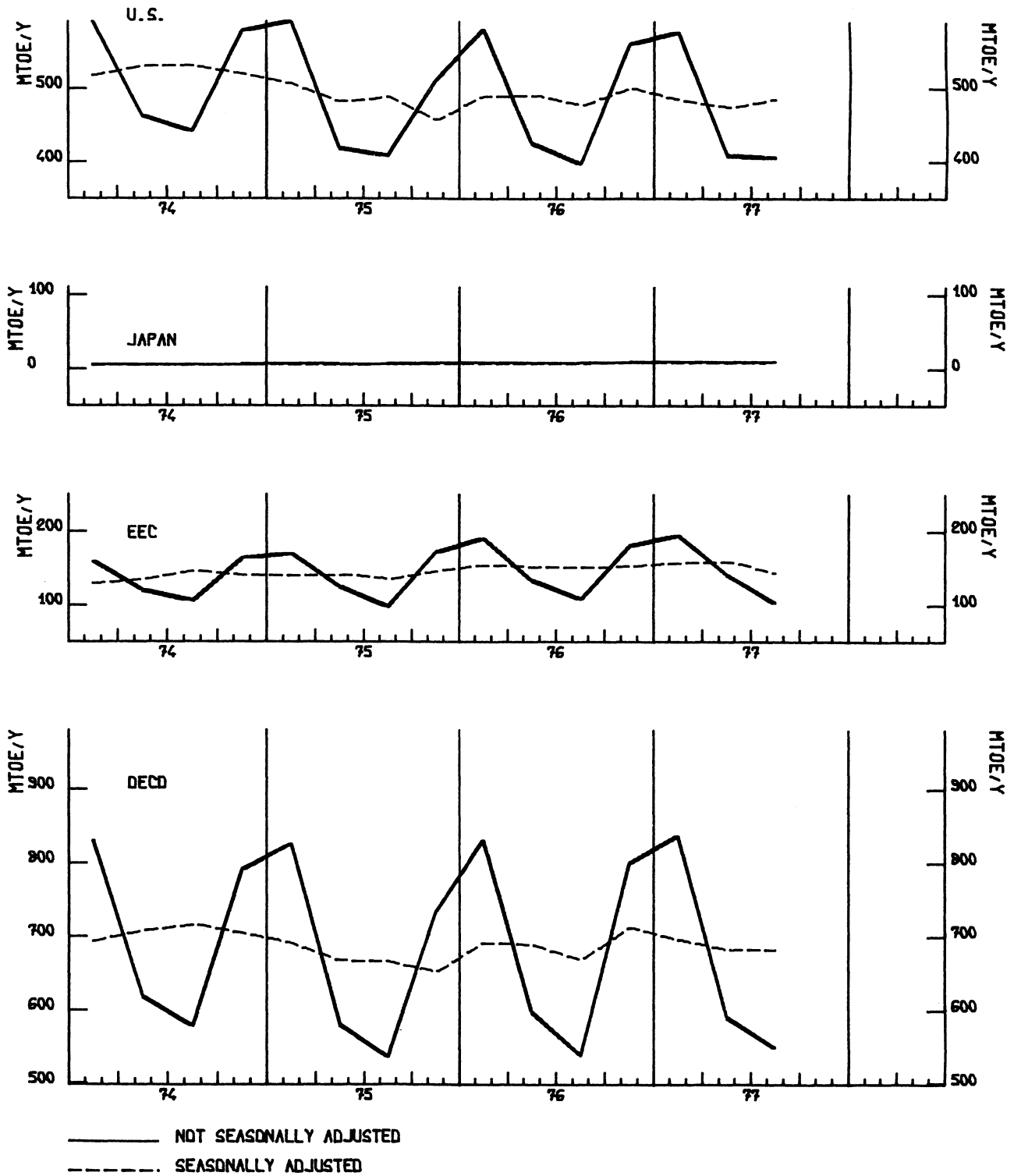
———— NOT SEASONALLY ADJUSTED  
----- SEASONALLY ADJUSTED



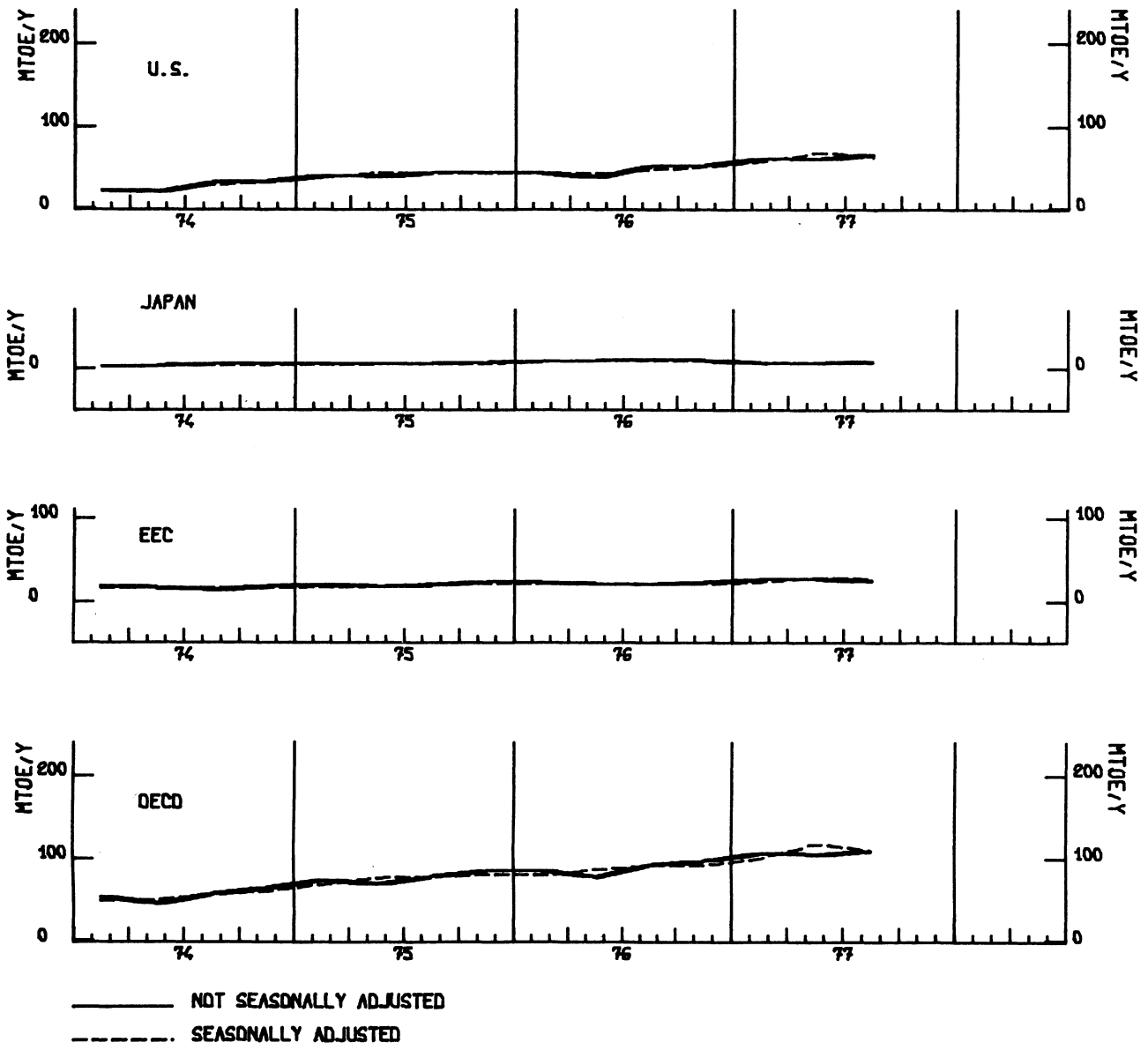
-GRAPH 3- OIL PRIMARY CONSUMPTION



-GRAPH 4- NATURAL GAS PRIMARY CONSUMPTION



-GRAPH 5- NUCLEAR PRIMARY ENERGY CONSUMPTION



-GRAPH 6- HYDROELECTRICITY PRIMARY CONSUMPTION

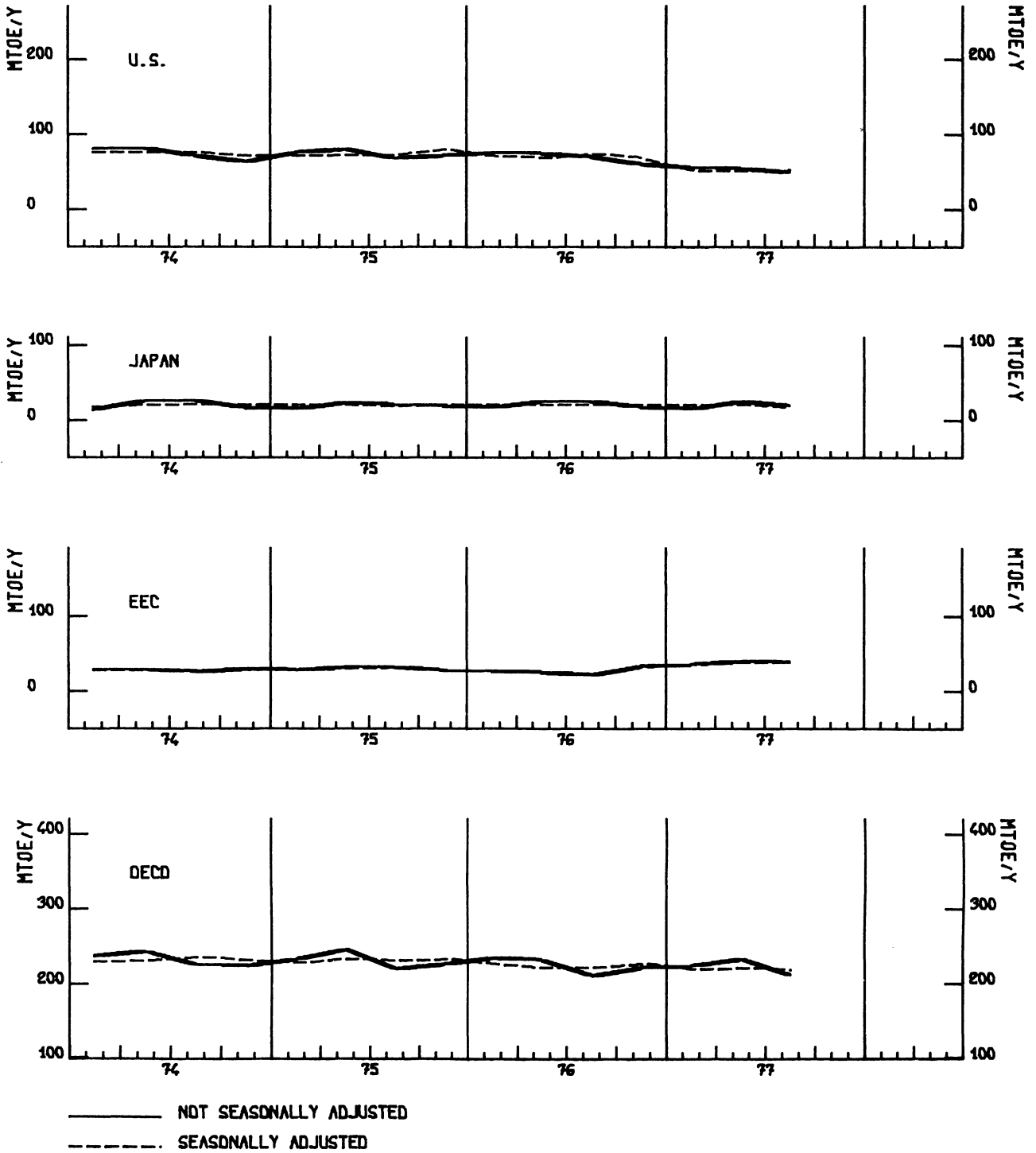


TABLE 2  
INDEX OF ENERGY PRICES FOR HOUSEHOLDS

	1975	1976	76Q03	76Q04	77Q01	77Q02	77Q03
UNITED STATES	1.58	1.69	1.71	1.74	1.79	1.83	1.86
JAPAN	1.71	1.83	1.88	1.96	1.97	1.98	1.98
FRANCE	1.69	1.87	1.88	1.97	2.03	2.09	2.12
GERMANY	1.61	1.72	1.73	1.72	1.73	1.72	1.72
ITALY	1.79	2.21	2.18	2.61	2.71	2.76	2.78
NETHERLANDS	1.56	1.74	1.74	1.76	1.76	1.77	1.80
U.K.	2.02	2.36	2.40	2.49	2.54	2.69	2.71
EEC	1.79	2.04	2.05	2.16	2.21	2.28	2.29
IEA	1.65	1.81	1.83	1.88	1.93	1.97	1.98
OECD	1.66	1.81	1.83	1.89	1.94	1.98	1.99

RELATIVE ENERGY PRICES FOR HOUSEHOLDS  
(INDEX OF ENERGY PRICES FOR HOUSEHOLDS DIVIDED  
BY TOTAL CONSUMER PRICE INDEX FOR HOUSEHOLDS)

	1975	1976	76Q03	76Q04	77Q01	77Q02	77Q03
UNITED STATES	1.14	1.15	1.16	1.17	1.18	1.18	1.18
JAPAN	0.99	0.97	0.99	1.01	0.99	0.97	0.97
FRANCE	1.11	1.12	1.11	1.14	1.15	1.16	1.14
GERMANY	1.20	1.22	1.22	1.22	1.20	1.17	1.17
ITALY	1.04	1.10	1.08	1.21	1.20	1.18	1.16
NETHERLANDS	1.03	1.05	1.05	1.04	1.03	1.00	1.02
UNITED KINGDOM	1.09	1.10	1.11	1.10	1.07	1.08	1.07
EEC	1.14	1.16	1.16	1.19	1.18	1.18	1.16
IEA	1.08	1.08	1.09	1.10	1.09	1.09	1.07
OECD	1.11	1.11	1.12	1.13	1.13	1.12	1.11

TABLE 3- AVERAGE CRUDE IMPORT PRICES

A. - ABSOLUTE LEVELS  
CIF -EXCEPT US(1)-  
IN US\$/BL

	1975	1976	74Q03	75Q03	76Q03	77Q03	77M10	77M11
	----	----	-----	-----	-----	-----	-----	-----
U.S.	11.59	12.42	11.79	11.37	12.44	13.41	13.47	13.62
JAPAN	11.85	12.60	11.36	11.69	12.65	13.66	14.01	14.04
FRANCE	12.32	12.60	11.07	11.69	12.21	13.66	13.88	13.95
GERMANY	12.18	13.07	11.60	11.63	13.05	14.16	14.33	14.24
ITALY	11.66	12.14	11.59	11.35	12.43	13.23	13.43	13.51
NETHERLANDS	11.93	12.80	11.13	11.63	12.83	13.84	13.92	13.98
U.K.	11.43	12.27	10.87	10.98	12.47	13.69	13.83	13.94
5 EUROPEANS	..	..	11.27	11.45	12.58	13.71	13.86	13.92
ALL - 7	..	..	11.40	11.49	12.55	13.60	13.77	13.86

(1) US FOB VALUES GIVEN ABOVE ARE ROUGHLY 8% BELOW CORRESPONDING CIF VALUES

B. - INDICES (1974=100)  
(BASED ON NATIONAL CURRENCY)

	1975	1976	74Q03	75Q03	76Q03	77Q03	77M10	77M11
	----	----	-----	-----	-----	-----	-----	-----
U.S.	106.1	113.7	107.8	104.1	113.8	122.7	123.3	124.6
JAPAN	112.5	119.5	108.2	111.4	117.8	116.3	114.4	109.9
FRANCE	106.5	121.5	106.8	102.7	120.8	134.8	136.1	136.6
GERMANY	99.2	109.0	100.3	98.3	109.3	108.2	108.0	105.6
ITALY	106.7	141.8	106.2	105.7	146.4	163.6	165.7	166.2
NETHERLANDS	103.5	116.1	102.0	104.7	117.5	116.4	116.3	115.9
U.K.	116.9	154.5	104.7	116.8	159.7	178.5	176.8	173.6
5 EUROPEANS	107.0	130.0	104.4	105.8	132.2	143.1	143.5	142.6
ALL - 7	108.2	124.3	106.0	106.9	125.1	132.5	132.4	131.0

TABLE 4 - PETROLEUM PRODUCT PRICES  
IN US\$/HL. (1)

A. MOTOR GASOLINE  
(REGULAR+PREMIUM WEIGHTED AVERAGE)

	1975	1976	74Q03	75Q03	76Q03	77Q03	77M08	77M09
	----	----	-----	-----	-----	-----	-----	-----
U.S.	15.21	15.81	14.60	15.93	16.21	16.97	16.98	16.90
JAPAN	38.44	40.59	34.07	38.37	42.66	46.34	46.36	46.00
FRANCE	42.16	40.99	36.89	41.45	39.43	47.81	47.75	47.49
GERMANY	34.91	36.19	33.23	33.68	36.69	38.16	37.82	38.03
ITALY	44.44	46.77	43.74	43.41	46.07	54.64	54.69	54.59
NETHERLANDS	39.73	41.23	36.51	39.00	41.54	43.90	43.84	43.57
U.K.	34.75	30.00	27.08	33.01	29.17	29.16	29.24	29.29
5-EUROPEANS	38.40	37.72	34.41	37.22	37.18	41.13	41.04	41.03
ALL-7	20.53	20.99	19.13	20.87	21.31	22.78	22.78	22.70

B. GAS DIESEL OIL

	1975	1976	74Q03	75Q03	76Q03	77Q03	77M08	77M09
	----	----	-----	-----	-----	-----	-----	-----
U.S.	13.65	13.98	13.14	13.89	14.04	15.12	15.11	15.11
JAPAN	10.18	11.98	..	10.07	12.41	13.81	13.72	13.70
FRANCE	26.91	26.67	23.06	26.02	25.68	29.25	29.21	29.06
GERMANY	35.12	35.37	33.66	33.80	35.17	38.34	38.21	38.08
ITALY	21.34	18.74	20.66	21.22	19.42	17.56	17.58	17.55
NETHERLANDS	20.98	21.38	19.91	20.57	21.41	23.41	23.44	23.30
U.K.	27.13	27.13	27.66	25.52	27.20	32.06	32.15	32.21
5-EUROPEANS	29.17	28.85	27.42	28.13	28.59	31.36	31.32	31.22
ALL-7	20.31	20.49	..	19.94	20.44	22.31	22.28	22.23

C. HEATING FUEL

	1975	1976	74Q03	75Q03	76Q03	77Q03	77M08	77M09
	----	----	-----	-----	-----	-----	-----	-----
U.S.	9.98	10.61	9.45	10.00	10.51	12.07	12.07	12.07
JAPAN	12.71	14.30	12.74	12.80	14.75	16.51	16.48	16.46
FRANCE	13.83	14.53	11.78	13.14	14.13	16.02	15.91	16.09
GERMANY	11.63	12.58	10.61	11.71	12.55	13.50	13.43	13.34
ITALY	10.43	10.63	9.71	10.10	10.73	13.73	13.74	13.72
NETHERLANDS	12.60	13.08	12.15	12.38	13.11	14.42	14.44	14.35
U.K.	11.55	11.96	11.21	10.73	11.73	15.15	15.19	15.22
5 EUROPEANS	12.14	12.88	10.89	11.89	12.75	14.36	14.30	14.30
ALL-7	11.14	11.86	10.28	11.03	11.77	13.36	13.33	13.33

(1) INCLUDING TAX

TABLE 4 (CTD) - PETROLEUM PRODUCT PRICES

IN US\$/HL.(1)

D. HEAVY FUEL OIL

	1975	1976	74Q3	75Q3	76Q3	77Q3	77M8	77M9
	----	----	-----	-----	-----	-----	-----	-----
U.S.	6.60	6.54	6.67	6.63	6.40	7.55	7.55	7.55
JAPAN	7.08	7.72	5.81	7.11	7.92	8.83	8.85	8.74
FRANCE	8.83	7.60	7.15	8.23	7.60	7.70	7.67	7.71
GERMANY	7.40	7.84	6.62	6.34	7.67	8.40	8.37	8.31
ITALY	7.99	7.43	6.17	7.84	7.51	9.18	9.19	9.18
NETHERLANDS	7.59	7.82	6.77	6.86	7.80	8.84	8.89	8.84
U.K.	9.32	9.39	8.27	8.81	9.20	12.51	12.54	12.57
5 EUROPEANS	8.42	8.06	7.04	7.90	8.00	9.55	9.54	9.54
ALL-7	7.43	7.44	6.59	7.25	7.42	8.66	8.67	8.64

E. AVERAGE PRICE OF ABOVE PRODUCTS

	1975	1976	74Q3	75Q3	76Q3	77Q3	77M8	77M9
	----	----	-----	-----	-----	-----	-----	-----
U.S.	12.43	12.84	11.99	12.81	12.99	14.00	14.00	13.97
JAPAN	11.82	12.91	..	11.81	13.39	14.78	14.78	14.66
FRANCE	20.70	20.23	17.70	19.97	19.60	22.41	22.35	22.31
GERMANY	23.38	24.00	22.14	22.52	23.95	25.82	25.70	25.63
ITALY	15.81	15.24	14.54	15.53	15.37	17.26	17.28	17.25
NETHERLANDS	20.66	21.27	19.23	20.14	21.35	23.10	23.11	22.97
U.K.	19.50	18.50	17.42	18.43	18.24	21.22	21.28	21.32
5 EUROPEANS	20.38	20.19	18.51	19.64	19.98	22.30	22.26	22.22
ALL-7	15.16	15.44	..	15.09	15.51	17.03	17.01	16.97

(1) INCLUDING TAX



TABLE 5 - INDICES OF PETROLEUM PRODUCT PRICES

1974=100

(BASED ON PRICES IN NAT'L CURRENCY)

A. MOTOR GASOLINE  
(REGULAR+PREMIUM WEIGHTED AVERAGE)

	1975 ----	1976 ----	74003 -----	75003 -----	76003 -----	77003 -----	77M08 -----	77M09 -----
U.S.	109.73	114.05	105.33	114.86	116.92	122.37	122.44	121.87
JAPAN	114.85	121.11	102.95	115.14	125.01	124.20	124.47	123.67
FRANCE	103.93	112.82	101.62	103.93	111.41	134.61	134.61	134.61
GERMANY	99.86	106.06	100.99	100.08	108.16	102.60	102.03	102.96
ITALY	111.65	150.40	110.10	111.13	148.96	185.78	185.78	185.78
NETHERLANDS	104.66	113.60	101.75	106.77	115.65	112.28	111.98	111.98
U.K.	134.16	142.45	98.79	132.90	141.51	144.03	144.03	144.03
5-EUROPEANS	111.85	124.71	102.10	111.61	124.61	135.05	134.87	135.13
ALL-7	110.38	116.30	104.59	114.31	118.71	124.70	124.73	124.30

B. GAS DIESEL OIL

	1975 ----	1976 ----	74003 -----	75003 -----	76003 -----	77003 -----	77M08 -----	77M09 -----
U.S.	106.60	109.20	102.60	108.44	109.61	118.07	118.00	118.00
JAPAN	107.89	126.79	..	107.14	128.95	131.29	130.64	130.64
FRANCE	109.24	120.70	104.58	107.42	119.43	135.55	135.55	135.55
GERMANY	98.56	101.76	100.43	98.56	101.76	101.19	101.19	101.19
ITALY	106.03	118.46	102.79	107.36	124.11	118.02	118.02	118.02
NETHERLANDS	101.32	107.81	101.55	103.09	109.11	109.59	109.59	109.59
U.K.	107.15	132.31	103.21	105.14	135.05	162.06	162.06	162.06
5-EUROPEANS	..	..	102.37	103.41	114.77	121.99	121.99	121.99
ALL-7	..	..	..	106.05	113.81	121.12	121.02	121.02

C. HEATING OIL

	1975 ----	1976 ----	74003 -----	75003 -----	76003 -----	77003 -----	77M08 -----	77M09 -----
U.S.	107.98	114.77	102.24	108.24	113.67	130.63	130.63	130.63
JAPAN	117.64	132.11	118.17	118.93	133.82	136.98	136.98	136.98
FRANCE	108.08	126.61	102.83	104.37	126.45	142.88	142.12	144.42
GERMANY	96.31	106.24	92.95	100.34	106.60	104.59	104.36	104.03
ITALY	108.59	141.29	101.15	107.04	143.67	193.30	193.30	193.30
NETHERLANDS	103.05	111.47	104.70	104.94	112.95	114.10	114.10	114.10
U.K.	112.52	143.67	103.15	108.99	143.59	188.79	188.79	188.79
5 EUROPEANS	102.27	118.66	97.73	102.90	119.18	131.65	131.31	131.83
ALL-7	105.61	117.36	100.70	106.09	117.16	131.38	131.22	131.47

TABLE 5 (CTD) - INDICES OF PETROLEUM PRODUCT PRICES

1974=100

(BASED ON PRICES IN NAT'L CURRENCY)

D. HEAVY FUEL OIL

	1975 ----	1976 ----	74Q3 -----	75Q3 -----	76Q3 -----	77Q3 -----	77M8 -----	77M9 -----
U.S.	99.06	98.06	100.00	99.50	96.04	113.21	113.21	113.21
JAPAN	127.48	138.81	104.79	128.52	139.83	142.67	143.19	141.61
FRANCE	118.30	113.62	107.15	112.30	116.94	118.07	117.63	118.95
GERMANY	101.47	110.42	96.77	90.51	108.69	108.67	108.62	108.22
ITALY	140.21	166.58	108.55	140.21	169.66	218.22	218.22	218.22
NETHERLANDS	116.72	126.07	110.43	109.97	127.14	132.27	132.93	132.93
U.K.	123.30	153.33	103.38	121.59	152.91	211.75	211.75	211.75
5 EUROPEANS ALL-7	123.33 116.01	139.80 125.04	104.89 103.17	119.40 114.92	141.15 125.13	171.58 143.58	171.49 143.69	171.73 143.36

E. INDICES OF AVERAGE PRICES OF ABOVE PRODUCTS

	1975 ----	1976 ----	74Q3 -----	75Q3 -----	76Q3 -----	77Q3 -----	77M8 -----	77M9 -----
U.S.	106.62	109.75	103.25	109.44	110.58	120.54	120.56	120.30
JAPAN	121.72	134.01	..	122.33	135.63	137.94	138.18	137.07
FRANCE	111.04	118.74	104.60	107.79	119.08	131.66	131.36	132.25
GERMANY	98.61	105.18	97.71	97.82	105.25	103.71	103.56	103.51
ITALY	124.63	150.21	106.42	124.66	153.23	188.07	188.07	188.07
NETHERLANDS	105.85	113.82	104.13	105.75	115.25	116.08	116.17	116.17
U.K.	121.27	145.32	102.32	119.53	145.60	183.57	183.57	183.57
5 EUROPEANS ALL-7	112.41 110.58	127.08 118.67	102.57 ..	111.01 111.75	127.98 119.63	146.18 131.15	146.06 131.16	146.27 130.93

TABLE 6 - TAX RATES ON PETROLEUM PRODUCTS (2)

A. MOTOR GASOLINE (REGULAR+PREMIUM WEIGHTED AVERAGE)							
	1975	1976	75Q03	76Q03	77Q03	77M08	77M09
	----	----	-----	-----	-----	-----	-----
U.S.	21.2	20.9	20.2	20.4	19.3	19.3	19.4
JAPAN	30.2	32.3	30.2	34.7	34.9	34.9	35.1
FRANCE	55.9	55.8	55.9	54.2	60.1	60.1	60.1
GERMANY	60.4	58.5	60.2	57.5	60.6	60.9	60.4
ITALY	67.9	69.2	68.2	67.2	72.0	72.0	72.0
NETHERLANDS	60.3	58.9	59.6	58.3	60.4	60.6	60.6
U.K.	51.0	51.5	51.3	50.8	50.0	50.0	50.0
5-EUROPEANS	58.5	58.6	58.5	57.3	61.0	61.1	60.9
ALL-7	34.3	34.0	33.2	33.2	34.2	34.2	34.3

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B. GAS DIESEL OIL							
	1975	1976	75Q03	76Q03	77Q03	77M08	77M09
	----	----	-----	-----	-----	-----	-----
U.S.	23.2	22.7	22.8	22.6	21.0	21.0	21.0
JAPAN	49.7	51.8	50.0	54.0	53.0	53.3	53.3
FRANCE	52.6	49.5	53.2	49.2	49.7	49.7	49.7
GERMANY	57.8	56.2	57.8	56.2	56.5	56.5	56.5
ITALY	46.3	39.0	45.9	41.2	28.4	28.4	28.4
NETHERLANDS	39.0	36.9	38.4	36.5	36.3	36.3	36.3
U.K.	47.9	47.0	48.6	50.4	49.0	49.0	49.0
5-EUROPEANS	53.5	51.1	53.6	51.6	50.8	50.8	50.8
ALL-7	44.1	42.3	43.7	42.7	41.8	41.8	41.8

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C. HEATING OIL							
	1975	1976	75Q03	76Q03	77Q03	77M08	77M09
	----	----	-----	-----	-----	-----	-----
U.S.	-	-	-	-	-	-	-
JAPAN	-	-	-	-	-	-	-
FRANCE	18.5	18.0	18.6	18.0	17.6	17.7	17.4
GERMANY	3.1	2.8	3.0	2.8	2.9	2.9	2.9
ITALY	4.2	3.8	4.2	3.2	14.8	14.8	14.8
NETHERLANDS	10.6	9.8	10.4	9.6	9.5	9.5	9.5
U.K.	4.2	3.3	4.4	3.3	6.3	6.3	6.3
5-EUROPEANS	8.8	8.3	8.6	8.1	9.8	9.8	9.8
ALL-7	4.6	4.4	4.5	4.3	5.1	5.1	5.1

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TABLE 6(C1D) - TAX RATES ON PETROLEUM PRODUCTS (%)

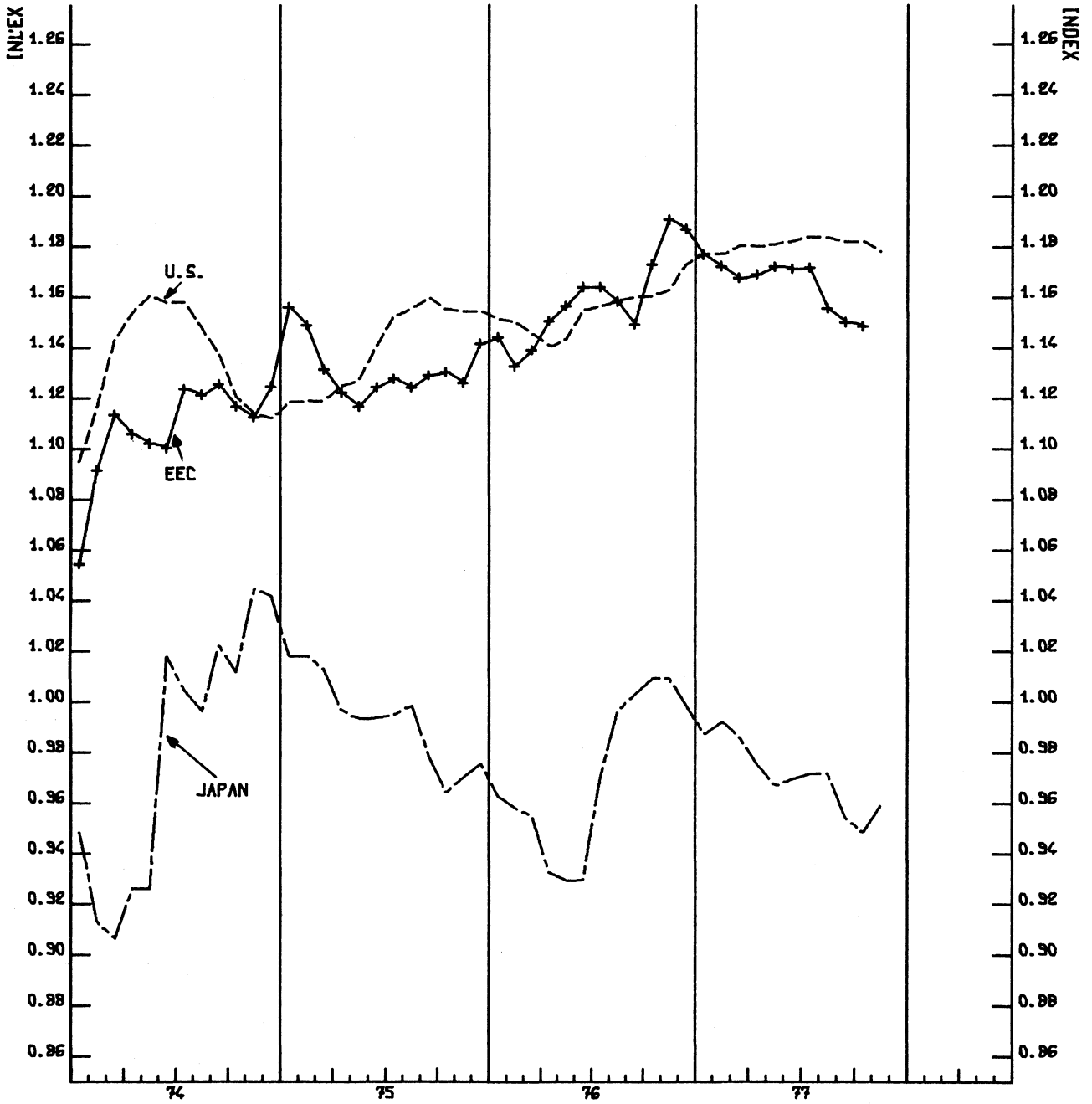
D. HEAVY FUEL OIL

	1975 -----	1976 -----	75003 -----	76003 -----	77003 -----	77M08 -----	77M09 -----
U.S.	-	-	-	-	-	-	-
JAPAN	-	-	-	-	-	-	-
FRANCE	14.8	10.2	15.0	10.2	-	-	-
GERMANY	7.6	7.0	8.5	7.1	7.1	7.1	7.1
ITALY	1.4	1.2	1.4	1.2	1.1	1.1	1.1
NETHERLANDS	7.5	6.9	8.0	6.9	6.6	6.6	6.6
U.K.	5.2	4.2	5.3	4.2	7.6	7.6	7.6
5-EUROPEANS	6.9	5.3	7.1	5.3	4.2	4.2	4.2
ALL-7	3.0	2.2	3.0	2.2	1.8	1.8	1.8

E. AVERAGE TAX RATES ON ABOVE PRODUCTS

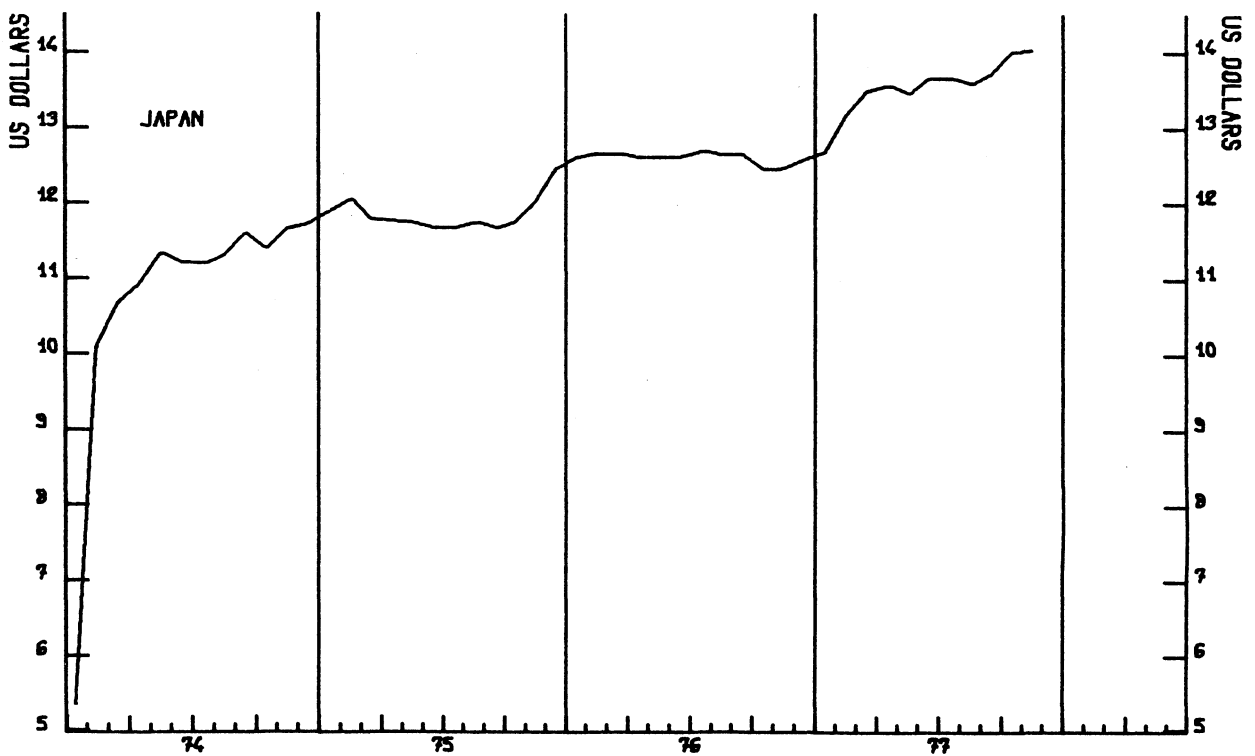
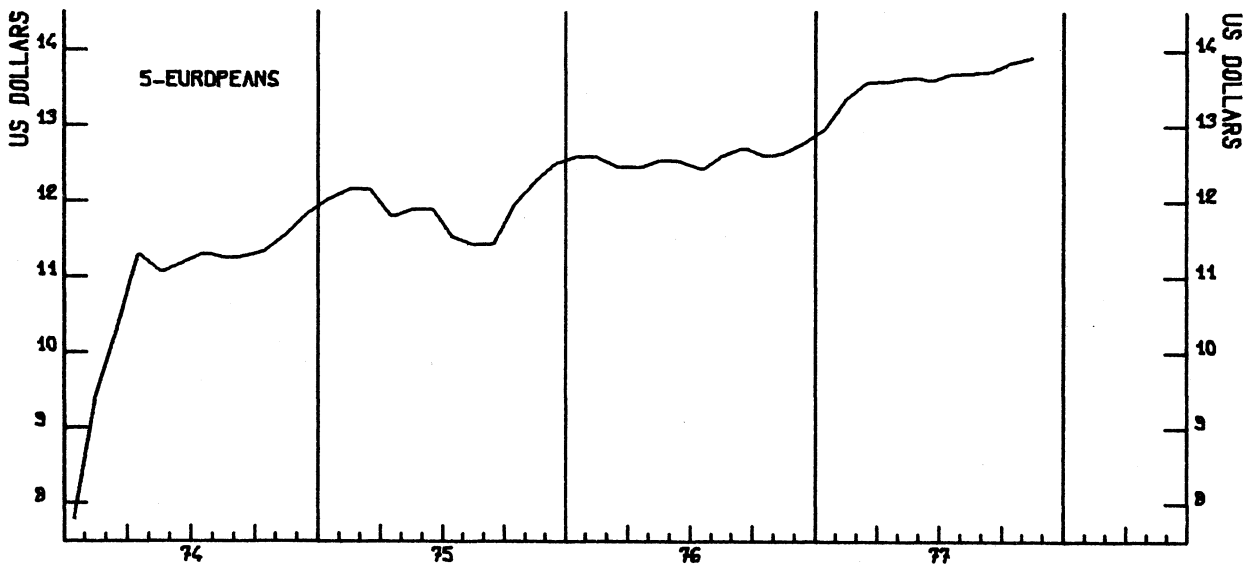
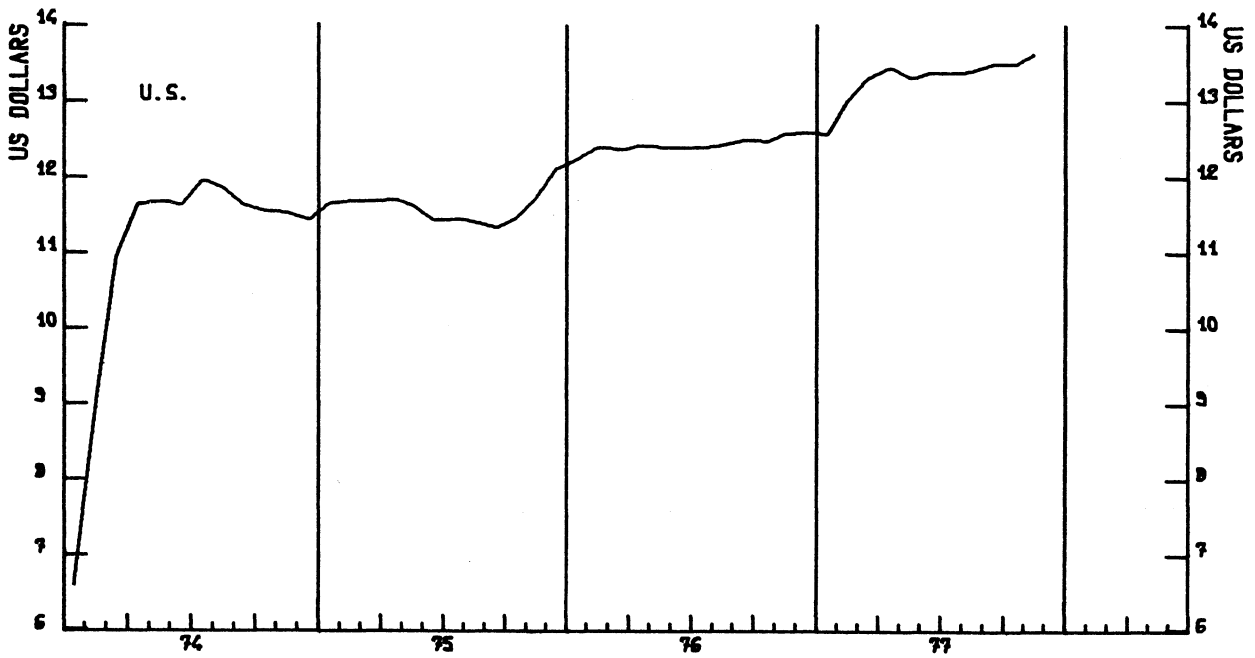
	1975 -----	1976 -----	75003 -----	76003 -----	77003 -----	77M08 -----	77M09 -----
U.S.	17.2	17.0	16.7	16.8	15.5	15.5	15.5
JAPAN	20.5	21.9	20.4	23.4	23.2	23.1	23.3
FRANCE	43.8	42.0	44.4	41.2	42.6	42.7	42.5
GERMANY	47.7	45.8	47.6	45.6	46.4	46.5	46.4
ITALY	38.3	37.5	38.3	37.0	36.3	36.3	36.3
NETHERLANDS	42.6	41.0	42.2	40.6	41.0	41.0	41.0
U.K.	38.3	37.0	38.7	38.1	36.3	36.3	36.3
5-EUROPEANS	43.4	41.9	43.6	41.8	41.9	42.0	41.9
ALL-7	30.0	29.0	29.4	28.9	28.6	28.6	28.6

-GRAPH 7 - RELATIVE ENERGY PRICES FOR HOUSEHOLDS (1)

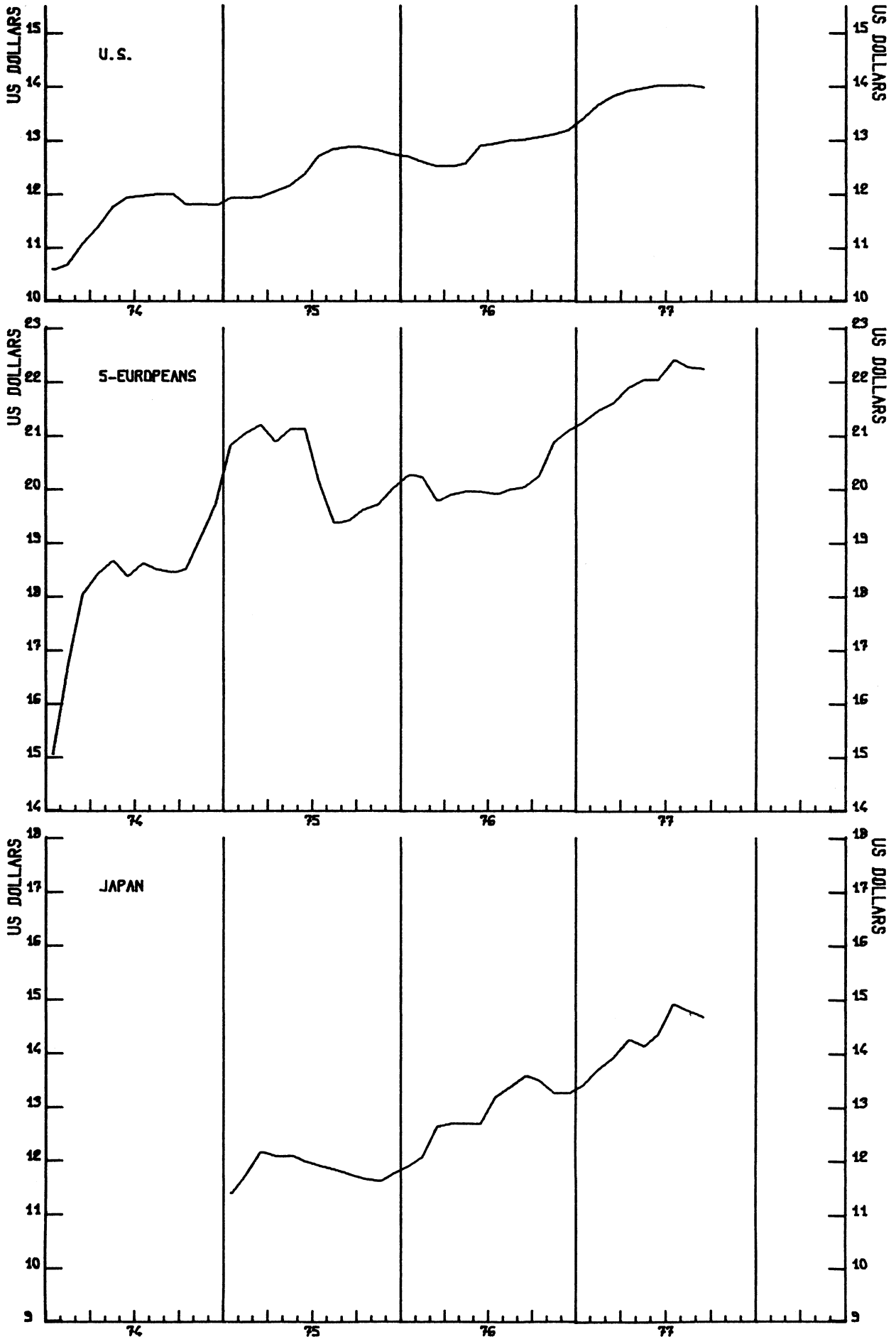


(1) INDEX OF ENERGY PRICE (1970=100)  
RELATIVE TO GENERAL PRICE (1970=100) FOR HOUSEHOLDS

-GRAPH 8- CRUDE OIL IMPORT PRICES, IN US DOLLARS



-GRAPH 9- AGGREGATE PRODUCT PRICES, IN US DOLLARS



TECHNICAL NOTES

1. Data on Primary Energy Supply

Basic data for oil are being collected with an OECD/IEA quarterly questionnaire with standard definitions for various flows and products.

Basic data on non-oil energy sources are regularly abstracted from national publications. As far as possible, and, if necessary, they are being adjusted to meet standard definitions as used in the OECD-IEA publication, "Energy Statistics".

2. Data on Energy Prices

Relative energy prices for households are based on official consumer price indices and their energy component (fuel and electricity). Average crude oil import prices are derived from published customs statistics by dividing the value (in national currency) of crude oil imported in a given period by the corresponding volume. For conversion into U.S. dollars, official IMF exchange rates are used.

Absolute prices and tax components for different oil products are abstracted from various publications and standardised to common units. (See table on next page).



PRICE DEFINITIONS FOR PRODUCT PRICES

	Motor gasoline	Gas/Diesel oil	Heating oil	Heavy fuel oil
U.S.	At service stations	No. 2 diesel fuel, at service stations	No. 2 heating oil, dealer's selling price	No. 6, more than 1% sulphur Retail
JAPAN	Tokyo Retail prices	Retail prices	Tokyo Retail prices	Wholesale price
FRANCE	Paris Retail price	Paris Retail price	Paris To consumer's tank in 20/ 50hl lots	Paris In tank car lots
GERMANY	From survey for consumer price index	Retail price	From survey for consumer price index 50hl lots	From survey for industrial price index
ITALY	Retail price	Retail price	Heating kerosene ex coastal refinery	3.5% sulphur ex coastal refinery
NETHERLANDS	Lowest zone Retail price	Retail price	Lowest zone to consumer's tank in 10hl lots	3500 sec 300 ton-lots Barge ex refinery
U.K.	Retail price	Retail price	Inner zone Bulk wholesale price	Inner zone Heavy Bulk wholesale price Drop size 2750 gal.