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Center**

# **International Energy Statistical Review**

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## World Crude Oil Production, Excluding Natural Gas Liquids

Thousand b/d

	1977	1978	1979	1980	1981				
					Preliminary				
					1st Qtr	2d Qtr	Jul	Aug	Sep
<b>World</b>	<b>59,706</b>	<b>60,184</b>	<b>62,658</b>	<b>59,454</b>	<b>58,205</b>	<b>56,746</b>	<b>54,562</b>	<b>53,939</b>	<b>53,639</b>
<b>Non-Communist Countries</b>	<b>46,660</b>	<b>46,434</b>	<b>48,636</b>	<b>45,206</b>	<b>43,971</b>	<b>42,517</b>	<b>40,342</b>	<b>39,710</b>	<b>39,438</b>
Western hemisphere	14,087	14,775	15,288	15,591	15,872	15,975	15,266	15,652	15,990
United States	8,245	8,707	8,533	8,595	8,578	8,598	8,627	8,639	8,640
Argentina	431	453	473	491	500	500	489	490	490
Brazil	161	160	166	181	198	223	220	220	223
Canada	1,320	1,313	1,496	1,424	1,353	1,269	1,265	1,274	1,267
Colombia	138	131	124	125	125	125	125	125	125
Ecuador	183	202	214	204	220	217	200	200	200
Mexico	981	1,209	1,461	1,937	2,239	2,463	2,098	2,262	2,478
Peru	102	151	195	195	189	196	175	175	175
Trinidad & Tobago	230	232	215	211	190	190	240	240	240
Venezuela	2,238	2,166	2,356	2,167	2,219	2,131	1,760	1,960	2,080
Other	58	51	55	61	61	63	67	67	72
Eastern hemisphere	32,573	31,659	33,348	29,615	28,099	26,542	25,076	24,058	23,448
Western Europe	1,340	1,734	2,270	2,443	2,644	2,605	2,602	2,389	2,607
Norway	280	356	403	528	531	554	551	339	470
United Kingdom	768	1,082	1,568	1,622	1,825	1,760	1,750	1,759	1,828
West Germany	108	101	95	92	86	83	78	88	89
Other	184	195	204	201	202	208	223	203	220
Middle East	22,235	21,102	21,558	18,407	16,886	16,232	16,186	15,657	14,572
Bahrain	57	52	50	48	46	46	43	43	43
Iran	5,663	5,242	3,168	1,662	1,631	1,566	1,400	1,100	1,100
Iraq	2,348	2,562	3,477	2,514	769	1,000	1,100	1,100	1,100
Israel	1	11	31	1	1	1	1	1	1
Kuwait <sup>a</sup>	1,784	1,894	2,213	1,387	1,369	850	1,029	700	700
Neutral Zone <sup>b</sup>	393	473	568	538	525	341	342	257	311
Oman	341	315	295	282	321	314	315	315	321
Qatar	445	487	508	472	499	430	378	295	363
Saudi Arabia <sup>a</sup>	9,017	8,066	9,251	9,631	9,948	10,000	10,000	10,200	9,000
Syria	188	170	166	163	165	165	165	165	170
United Arab Emirates	1,998	1,830	1,831	1,709	1,612	1,519	1,413	1,481	1,463
Abu Dhabi	1,651	1,446	1,463	1,350	1,245	1,153	1,042	1,104	1,093
Dubai	319	362	354	349	359	357	362	368	354
Sharjah	28	22	14	10	8	9	9	9	16
Africa	6,232	6,030	6,640	6,031	5,654	4,829	3,433	3,199	3,504
Algeria	1,100	1,161	1,154	1,012	950	867	725	600	550
Angola/Cabinda	194	131	147	150	150	150	150	150	150
Congo	33	33	57	65	58	55	80	80	80
Egypt	415	485	525	595	620	578	560	570	575
Gabon	222	209	203	175	145	147	154	151	150
Libya	2,063	1,983	2,092	1,787	1,616	1,400	750	700	700
Nigeria	2,085	1,897	2,302	2,055	1,909	1,421	770	708	1,067
Tunisia	95	100	100	110	95	95	120	120	120
Other	25	31	60	82	111	116	124	120	112
Asia-Pacific	2,766	2,793	2,880	2,734	2,915	2,876	2,855	2,813	2,765
Australia	431	432	441	380	420	376	398	344	307
India	199	226	245	182	279	300	300	310	310
Indonesia	1,686	1,635	1,591	1,577	1,629	1,610	1,600	1,600	1,600
Malaysia-Brunei	401	450	515	518	521	520	492	496	487
Other	49	50	88	77	66	70	65	63	61
<b>Communist Countries</b>	<b>13,046</b>	<b>13,750</b>	<b>14,022</b>	<b>14,248</b>	<b>14,234</b>	<b>14,229</b>	<b>14,220</b>	<b>14,229</b>	<b>14,201</b>
USSR	10,700	11,215	11,472	11,720	11,800	11,800	11,800	11,800	11,800
China	1,874	2,082	2,122	2,114	2,026	2,019	2,010	2,019	1,991
Romania	293	274	246	230	231	233	233	233	233
Other	179	179	182	184	177	177	177	177	177

<sup>a</sup> Excluding Neutral Zone production.<sup>b</sup> Production is shared about equally between Saudi Arabia and Kuwait.

Non-Communist Countries: Crude Oil Production, Including Natural Gas Liquids

Thousand b/d

	1973	1976	1977	1978	1979
<b>Non-Communist Countries</b>	<b>48,430</b>	<b>47,655</b>	<b>49,420</b>	<b>49,284</b>	<b>51,711</b>
<b>Non-OPEC Producers</b>	<b>17,120</b>	<b>16,490</b>	<b>17,665</b>	<b>18,817</b>	<b>19,993</b>
United States	10,950	9,735	9,865	10,272	10,118
Canada	2,120	1,585	1,610	1,578	1,786
Mexico	525	895	1,086	1,324	1,611
Norway	30	300	300	391	443
United Kingdom	5	260	798	1,122	1,613
Other	3,490	3,715	4,006	4,130	4,422
<b>OPEC</b>	<b>31,310</b>	<b>31,165</b>	<b>31,755</b>	<b>30,467</b>	<b>31,718</b>
Algeria	1,100	1,085	1,165	1,261	1,294
Ecuador	210	185	183	202	214
Gabon	150	225	222	209	203
Indonesia	1,340	1,515	1,696	1,665	1,631
Iran	5,900	5,930	5,703	5,287	3,178
Iraq	2,020	2,415	2,353	2,567	3,487
Kuwait <sup>a</sup>	2,815	1,960	1,839	1,969	2,338
Libya	2,210	1,975	2,103	2,023	2,132
Neutral Zone <sup>b</sup>	525	465	393	473	568
Nigeria	2,055	2,070	2,085	1,897	2,302
Qatar	570	505	450	492	518
Saudi Arabia <sup>a</sup>	7,425	8,530	9,232	8,316	9,556
United Arab Emirates	1,535	1,935	2,013	1,860	1,861
Abu Dhabi	1,305	1,585	1,666	1,466	1,483
Dubai	230	310	319	372	364
Sharjah	...	40	28	22	14
Venezuela	3,455	2,370	2,318	2,246	2,436

<sup>a</sup> Excluding Neutral Zone production.

<sup>b</sup> Production is shared about equally between Saudi Arabia and Kuwait.

World Natural Gas Liquids (NGL) Production <sup>a</sup>

Thousand b/d

	1973	1976	1977	1978	1979		1973	1976	1977	1978	1979
<b>World</b>	<b>2,795</b>	<b>2,890</b>	<b>2,995</b>	<b>3,080</b>	<b>3,330</b>	<b>Middle East</b>	<b>190</b>	<b>290</b>	<b>335</b>	<b>410</b>	<b>490</b>
<b>Non-Communist Countries</b>	<b>2,625</b>	<b>2,655</b>	<b>2,760</b>	<b>2,850</b>	<b>3,075</b>	Abu Dhabi	...	...	15	20	20
<b>OPEC</b>	<b>345</b>	<b>480</b>	<b>530</b>	<b>660</b>	<b>790</b>	Dubai	...	...	...	10	10
<b>Non-OPEC</b>	<b>2,280</b>	<b>2,175</b>	<b>2,230</b>	<b>2,190</b>	<b>2,285</b>	Iran	40	45	40	45	10
<b>Western Hemisphere</b>	<b>2,270</b>	<b>2,105</b>	<b>2,140</b>	<b>2,070</b>	<b>2,150</b>	Iraq	...	...	5	5	10
United States	1,740	1,605	1,620	1,565	1,585	Kuwait	60	50	55	75	125
Canada	320	285	290	265	290	Qatar	...	10	5	5	10
Mexico	75	95	105	115	150	Saudi Arabia	90	185	215	250	305
Venezuela	90	75	80	80	80	Africa	65	105	105	140	180
Other	45	45	45	45	45	Algeria	30	65	65	100	140
<b>Eastern Hemisphere</b>	<b>355</b>	<b>550</b>	<b>620</b>	<b>780</b>	<b>925</b>	Libya	35	40	40	40	40
<b>Western Europe</b>	<b>40</b>	<b>70</b>	<b>85</b>	<b>110</b>	<b>120</b>	<b>Asia-Pacific</b>	<b>60</b>	<b>85</b>	<b>95</b>	<b>120</b>	<b>135</b>
Norway	...	20	20	35	40	Australia	50	50	55	60	60
United Kingdom	5	15	30	40	45	Indonesia	...	10	10	30	40
Other	35	35	35	35	35	Other	10	25	30	30	35
						<b>Communist Countries</b>	<b>170</b>	<b>235</b>	<b>235</b>	<b>230</b>	<b>255</b>
						USSR	160	220	220	215	240
						China	N.A.	N.A.	N.A.	N.A.	N.A.
						Other	10	15	15	15	15

<sup>a</sup> Estimated.

OAPEC<sup>a</sup> and OPEC<sup>b</sup> Countries: Crude Oil Production, Excluding Natural Gas Liquids

Thousand b/d

	1973	1977	1978	1979	1980	1981				
						Preliminary				
						1st Qtr	2d Qtr	Jul	Aug	Sep
<b>Total OAPEC (thousand b/d)</b>	<b>18,089</b>	<b>19,461</b>	<b>18,779</b>	<b>21,467</b>	<b>19,497</b>	<b>17,752</b>	<b>16,830</b>	<b>16,134</b>	<b>15,734</b>	<b>14,605</b>
% change from Sep 1973 <sup>c</sup>		-3	-7	7	-3	-12	-16	-20	-22	-27
% change from Feb 1979 <sup>d</sup>				-2	-11	-19	-23	-26	-28	-33
<b>Total OPEC (thousand b/d)</b>	<b>30,957</b>	<b>31,225</b>	<b>29,807</b>	<b>30,928</b>	<b>26,890</b>	<b>25,041</b>	<b>23,499</b>	<b>21,621</b>	<b>21,052</b>	<b>20,384</b>
% change from Sep 1973 <sup>c</sup>		-5	-10	-6	-19	-24	-29	-35	-36	-38
% change from Dec 1976 <sup>e</sup>		-8	-13	-9	-21	-27	-31	-37	-38	-40

<sup>a</sup> The members of the Organization of Arab Petroleum Exporting Countries are Abu Dhabi, Algeria, Bahrain, Egypt, Iraq, Kuwait, Libya, Neutral Zone, Qatar, Saudi Arabia, and Syria. In April 1979 Egypt was suspended from OAPEC membership. For consistency Egyptian crude oil production will, however, continue to be included in the OAPEC total.

<sup>b</sup> The membership of the Organization of Petroleum Exporting Countries consists of OAPEC members (excluding Bahrain, Egypt, and Syria), plus Dubai, Ecuador, Gabon, Indonesia, Iran, Nigeria, Sharjah, and Venezuela.

<sup>c</sup> In Sep 1973, the pre-embargo peak of output, OAPEC countries produced 20,100 b/d and OPEC countries 33,030 b/d.

<sup>d</sup> In Feb 1979, the post-embargo peak of output, OAPEC countries produced 21,935 b/d.

<sup>e</sup> In Dec 1976, the post-embargo peak of output, OPEC countries produced 34,100 b/d.

## OPEC: Crude Oil Productive Capacity

Thousand b/d

	Capacity			Production	
	Installed <sup>a</sup>	Maximum		Latest Post-Embargo Peak	Current
		Sustainable <sup>b</sup>	Available <sup>c</sup>		
<b>Total</b>	<b>41,400</b>	<b>34,690</b>	<b>28,620</b>		
Algeria	1,200	1,100	1,000	1,160 (Dec 78)	550 (Sep 81)
Ecuador	250	225	225	260 (May 74)	200 (Sep 81)
Gabon	250	200	200	230 (Dec 77)	150 (Sep 81)
Indonesia	1,800	1,650	1,650	1,625 (Mar 77)	1,600 (Sep 81)
Iran	7,000	5,500 <sup>d</sup>	3,500 <sup>e</sup>	6,680 (Nov 76)	1,100 (Sep 81)
Iraq	4,000	3,500 <sup>i</sup>	3,500 <sup>i</sup>	3,500 (Jul 79)	1,100 (Sep 81)
Kuwait <sup>f</sup>	2,900	2,200	1,250	2,990 (Dec 76)	700 (Sep 81)
Libya	2,500	2,100	1,750	2,210 (Mar 77)	700 (Sep 81)
Neutral Zone <sup>g</sup>	680	600	600	670 (Dec 76)	311 (Sep 81)
Nigeria	2,500	2,200	2,200	2,440 (Jan 79)	1,067 (Sep 81)
Qatar	650	600	600	610 (Dec 75)	363 (Sep 81)
Saudi Arabia <sup>f</sup>	12,500 <sup>h</sup>	10,000	8,500	10,000 (Apr 81)	9,000 (Sep 81)
United Arab Emirates	2,570	2,415	1,445		
Abu Dhabi	2,150	2,035	1,065	1,830 (Jul 75)	1,093 (Sep 81)
Dubai	390	370	370	370 (Jul 79)	354 (Sep 81)
Sharjah	30	10	10	60 (Dec 74)	16 (Sep 81)
Venezuela	2,600	2,400	2,200	2,950 (Jul 74)	2,080 (Sep 81)

<sup>a</sup> Installed capacity, also called nameplate or design capacity, includes all aspects of crude oil production, processing, transportation, and storage. Installed capacity is generally the highest capacity estimate.

<sup>b</sup> Maximum sustainable or operational capacity is the maximum production rate that can be sustained for several months; it considers the experience of operating the total system and is generally some 90-95 percent of installed capacity. This capacity concept does not necessarily reflect the maximum production rate sustainable without damage to the fields.

<sup>c</sup> Available or allowable capacity reflects production ceilings applied by Abu Dhabi, Kuwait, Iran, and Saudi Arabia. These ceilings usually represent a constraint only on annual average output, and thus production may exceed the ceilings in a given month.

<sup>d</sup> The precise loss in sustainable capacity remains uncertain.

<sup>e</sup> This figure represents the upper end of the range of available capacity, according to government statements.

<sup>f</sup> Excluding share of capacity in the Neutral Zone, shown separately.

<sup>g</sup> Capacity and production is shared about equally between Kuwait and Saudi Arabia.

<sup>h</sup> In Saudi Arabia, the concept of "facility," rather than "installed" capacity, is used. Facility capacity refers to the total installed capacity of gas-oil separating plants, main trunk pipelines, and oil-load terminals; it does not include the capacity of salt water-oil separators or flow lines.

<sup>i</sup> Prior to Iraq-Iran war.

OPEC: Oil Consumption <sup>a</sup>

	Thousand b/d								
	1973	1974	1975	1976	1977	1978	1979	1980 <sup>b</sup>	1981 <sup>c</sup>
<b>OPEC</b>	<b>1,509</b>	<b>1,611</b>	<b>1,656</b>	<b>1,939</b>	<b>2,168</b>	<b>2,300</b>	<b>2,518</b>	<b>2,795</b>	<b>2,960</b>
Algeria	60	61	70	81	89	92	107	120	130
Ecuador	31	33	38	44	51	59	67	75	80
Gabon	5	9	7	9	10	9	9	10	10
Indonesia	182	212	221	246	299	337	361	395	450
Iran	425	447	472	531	589	591	559	570	500
Iraq	80	91	104	121	138	162	185	215	225
Kuwait <sup>d</sup>	115	90	94	102	103	110	125	125	155
Libya	33	37	51	56	67	74	86	90	100
Nigeria	52	56	69	112	116	156	159	205	225
Qatar	3	3	5	6	8	8	9	10	10
Saudi Arabia <sup>d</sup>	264	306	250	342	379	358	463	535	585
UAE	5	7	26	32	48	54	67	80	90
Venezuela	254	259	249	257	271	290	321	365	400

<sup>a</sup> Including domestic refined product consumption, refinery fuels and losses, and bunkers. Excluding LPG consumption. Oil consumption data for OPEC countries vary considerably among sources. Individual country source material offered the most comprehensive data. Where detailed country sources were lacking, OAPEC, OPEC, and other statistical sources were utilized. Department of Energy data were used for bunker sales and refinery fuels and losses.

<sup>b</sup> Preliminary

<sup>c</sup> Estimated

<sup>d</sup> Including Neutral Zone consumption shared between Saudi Arabia and Kuwait.

Estimated Imports of Crude Oil and Refined Products  
1980

	Thousand b/d										
	US <sup>a</sup>	Japan	Canada	Western Europe	West Germany	France	UK	Italy	Netherlands	Spain	Other Western Europe
Algeria	484	30	...	402	151	92	9	51	32	41	26
Bahrain	Negl.	33	...	1	...	...	Negl.	1	Negl.	...	...
Egypt	40	3	...	219	6	5	59	129	6	8	6
Iraq	99	340	19	1,345	59	466	108	236	15	123	338
Kuwait	22	283	11	460	27	59	116	58	137	18	45
Libya	716	23	6	897	311	41	7	251	19	97	171
Qatar	25	133	...	196	4	49	7	28	57	27	24
Saudi Arabia	1,381	1,751	216	3,894	492	779	366	595	397	309	956
Syria	2	...	...	11	10	...	1	...	...	...	...
United Arab Emirates	286	617	7	576	126	159	57	49	38	65	82
<b>OAPEC</b>	<b>3,055</b>	<b>3,213</b>	<b>259</b>	<b>8,001</b>	<b>1,186</b>	<b>1,650</b>	<b>730</b>	<b>1,398</b>	<b>701</b>	<b>688</b>	<b>1,648</b>
Ecuador	31	17	...	5	Negl.	...	...	...	...	1	4
Gabon	34	...	...	80	18	28	1	8	3	20	2
Indonesia	352	702	...	9	Negl.	4	...	5	...	...	...
Iran	24	334	1	423	115	53	19	23	23	63	127
Nigeria	894	7	3	869	219	221	9	69	211	22	118
Venezuela	687	39	181	364	33	36	27	103	13	70	82
<b>OPEC <sup>b</sup></b>	<b>5,035</b>	<b>4,276</b>	<b>444</b>	<b>9,520</b>	<b>1,555</b>	<b>1,987</b>	<b>726</b>	<b>1,476</b>	<b>945</b>	<b>856</b>	<b>1,975</b>
Canada	445	Negl.	...	22	1	1	...	1	8	1	10
Mexico	552	21	12	145	1	24	6	20	6	88	...
Other <sup>c</sup>	693	758	149	2,169 <sup>d</sup>	1,119	532	366	524	602	107	1,787
<b>Total</b>	<b>6,767</b>	<b>5,091</b>	<b>605</b>	<b>12,087 <sup>d</sup></b>	<b>2,692</b>	<b>2,549</b>	<b>1,158</b>	<b>2,151</b>	<b>1,567</b>	<b>1,060</b>	<b>3,778</b>

<sup>a</sup> Products traced to source of crude.

<sup>b</sup> OAPEC members excluding Bahrain, Egypt, and Syria plus other countries shown.

<sup>c</sup> Includes unknown.

<sup>d</sup> Excluding intra-West European trade.

Selected Developed Countries: Crude Oil Imports, by Source

	Thousand b/d									
	Sep 1973 (Pre-Crisis Level)	1977	1978	1979	1980	1981			Percent of Total	
						Ist Qtr	Apr	May	Sep 1973	May 1981
<b>United States</b>										
Algeria	124	544	634	608	452	320	254	355	3.6	8.3
Egypt	...	36	20	55	31	48	43	73	...	1.7
Iraq	17	74	62	88	88	...	...	...	0.5	...
Kuwait	44	42	5	5	20	...	...	...	1.3	...
Libya	153	704	638	642	546	482	488	437	4.4	10.2
Qatar	41	67	64	31	22	...	17	10	1.2	0.2
Saudi Arabia	599	1,373	1,142	1,347	1,247	1,131	1,047	921	17.3	21.6
United Arab Emirates <sup>a</sup>	88	333	385	281	179	78	84	17	2.5	0.4
Other <sup>b</sup>	...	2	7	11	2	18	...	...	...	...
<b>Total OAPEC</b>	<b>1,066</b>	<b>3,175</b>	<b>2,957</b>	<b>3,068</b>	<b>2,587</b>	<b>2,077</b>	<b>1,933</b>	<b>1,813</b>	<b>30.7</b>	<b>42.5</b>
Ecuador	33	55	38	30	16	9	3	55	0.9	1.3
Gabon	...	35	38	42	25	39	18	39	...	0.9
Indonesia	249	507	533	380	307	343	263	247	7.2	5.8
Iran	205	530	554	297	7	...	...	...	5.9	...
Nigeria	409	1,130	910	1,069	831	840	826	664	11.8	15.6
Venezuela	405	250	181	293	154	135	128	161	11.7	3.8
<b>Total OPEC <sup>c</sup></b>	<b>2,367</b>	<b>5,644</b>	<b>5,184</b>	<b>5,113</b>	<b>3,894</b>	<b>3,377</b>	<b>3,128</b>	<b>2,906</b>	<b>68.2</b>	<b>68.1</b>
Canada	998	279	248	271	199	191	141	130	28.8	3.0
Mexico	8	177	316	435	504	422	420	490	0.2	11.5
UK	...	97	169	197	174	235	402	350	...	8.2
Norway	...	48	104	75	141	139	38	72	...	1.7
Other <sup>d</sup>	98	332	308	362	275	342	285	246	2.8	5.8
<b>Total</b>	<b>3,471</b>	<b>6,615</b>	<b>6,356</b>	<b>6,519</b>	<b>5,220</b>	<b>4,772</b>	<b>4,457</b>	<b>4,267</b>	<b>100.0</b>	<b>100.0</b>

	Thousand b/d									
	Sep 1973 (Pre-Crisis Level)	1977	1978	1979	1980	1981		Percent of Total		
						Ist Qtr	2d Qtr	4th Qtr 1973	2d Qtr 1981	
<b>Canada</b>										
Algeria	...	...	...	9	...	7	41	...	...	7.3
Egypt	...	...	...	...	...	...	...	...	...	...
Iraq	23	18	24	8	19	1	...	2.4	...	...
Kuwait	...	4	...	18	12	17	30	...	...	5.3
Libya	56	...	5	7	5	7	7	6.0	...	1.2
Qatar	...	...	...	...	...	...	...	...	...	...
Saudi Arabia	82	156	135	192	216	155	193	8.7	...	34.3
United Arab Emirates <sup>a</sup>	49	6	...	5	8	3	8	5.2	...	1.4
Other <sup>b</sup>	...	...	...	...	...	...	...	...	...	...
<b>Total OAPEC</b>	<b>210</b>	<b>184</b>	<b>164</b>	<b>239</b>	<b>260</b>	<b>190</b>	<b>279</b>	<b>22.3</b>	...	<b>49.6</b>
Ecuador	13	...	...	...	...	...	...	1.4	...	...
Gabon	...	...	...	...	...	...	...	...	...	...
Indonesia	...	...	...	...	...	...	...	...	...	...
Iran	149	118	103	45	1	...	...	15.9	...	...
Nigeria	39	4	...	...	3	...	1	4.1	...	0.2
Venezuela	485	269	218	221	171	158	144	51.6	...	25.6
<b>Total OPEC <sup>c</sup></b>	<b>896</b>	<b>575</b>	<b>485</b>	<b>505</b>	<b>435</b>	<b>348</b>	<b>424</b>	<b>95.3</b>	...	<b>75.3</b>
Mexico	...	...	...	...	...	52	56	...	...	9.9
Other <sup>d</sup>	44	100	136	111	122	120	83	4.7	...	14.7
<b>Total</b>	<b>940</b>	<b>675</b>	<b>621</b>	<b>616</b>	<b>557</b>	<b>520</b>	<b>563</b>	<b>100.0</b>	...	<b>100.0</b>



**Selected Developed Countries: Crude Oil Imports, by Source**  
(Continued)

	Thousand b/d									
	Sep 1973 (Pre-Crisis Level)	1977	1978	1979	1980	1981			Percent of Total	
						Ist Half	3d Qtr	Sep	Sep 1973	Sep 1981
<b>Japan</b>										
Algeria	...	3	7	6	27	51	38	33	...	1.0
Egypt	...	...	...	...	3	4	4	...	...	...
Iraq	...	151	153	262	340	45	51	...	...	...
Kuwait	488	398	400	466	174	228	121	137	10.0	4.2
Libya	31	20	3	7	22	17	46	42	0.6	1.3
Qatar	...	36	108	140	132	148	118	83	...	2.5
Saudi Arabia	1,148	1,622	1,533	1,672	1,544	1,516	1,252	1,248	23.5	38.3
United Arab Emirates <sup>a</sup>	511	545	472	494	594	598	455	401	10.5	12.3
Other <sup>b</sup>	...	...	...	Negl.	...	...	...	...	...	...
<b>Total OAPEC</b>	<b>2,178</b>	<b>2,775</b>	<b>2,676</b>	<b>3,047</b>	<b>2,836</b>	<b>2,607</b>	<b>2,085</b>	<b>1,944</b>	<b>44.6</b>	<b>59.7</b>
Ecuador	...	...	...	...	17	42	21	...	...	...
Gabon	...	...	...	...	...	...	...	...	...	...
Indonesia	638	651	601	699	625	668	617	564	13.1	17.3
Iran	1,554	812	805	468	288	136	190	91	31.9	2.8
Nigeria	101	...	...	...	7	28	30	...	2.1	...
Venezuela	7	6	6	8	38	39	51	43	0.1	1.3
<b>Total OPEC<sup>c</sup></b>	<b>4,478</b>	<b>4,244</b>	<b>4,088</b>	<b>4,222</b>	<b>3,808</b>	<b>3,516</b>	<b>2,990</b>	<b>2,642</b>	<b>91.8</b>	<b>81.2</b>
Mexico	...	...	...	...	25	67	84	108	...	3.3
Other <sup>d</sup>	400	547	574	624	537	558	479	505	8.2	15.5
<b>Total</b>	<b>4,878</b>	<b>4,791</b>	<b>4,662</b>	<b>4,846</b>	<b>4,373</b>	<b>4,145</b>	<b>3,557</b>	<b>3,255</b>	<b>100.0</b>	<b>100.0</b>

	Thousand b/d									
	Sep 1973 (Pre-Crisis Level)	1977	1978	1979	1980	1981		Percent of Total		
						Jan	Feb	Sep 1973	Feb 1981	
<b>United Kingdom</b>										
Abu Dhabi	28	43	28	23	48	68	60	1.5	6.5	
Algeria	46	7	5	14	8	...	...	2.4	...	
Egypt	...	14	19	53	57	35	...	...	...	
Iraq	67	110	180	119	108	63	...	3.5	...	
Kuwait	293	184	226	212	112	80	70	15.3	7.6	
Libya	98	40	26	8	2	...	...	5.1	...	
Qatar	73	33	9	6	7	...	...	3.8	...	
Saudi Arabia	530	369	281	301	366	349	435	27.6	47.2	
Other <sup>b</sup>	...	...	...	...	...	...	...	...	...	
<b>Total OAPEC</b>	<b>1,135</b>	<b>800</b>	<b>774</b>	<b>736</b>	<b>708</b>	<b>595</b>	<b>565</b>	<b>59.2</b>	<b>61.3</b>	
Dubai	48	41	53	36	9	...	...	2.5	...	
Ecuador	...	...	...	...	...	...	...	...	...	
Gabon	...	...	...	...	1	...	...	...	...	
Indonesia	...	...	...	...	...	...	...	...	...	
Iran	317	259	184	64	17	...	...	16.5	...	
Nigeria	188	27	39	10	9	...	28	9.8	3.0	
Sharjah	...	...	...	...	...	...	...	...	...	
Venezuela	66	21	23	28	26	18	17	3.4	1.8	
<b>Total OPEC<sup>c</sup></b>	<b>1,754</b>	<b>1,134</b>	<b>1,054</b>	<b>821</b>	<b>713</b>	<b>578</b>	<b>610</b>	<b>91.5</b>	<b>66.2</b>	
Mexico	...	...	...	...	6	27	...	...	...	
Norway	NA	118	70	78	51	61	62	...	6.7	
Other <sup>d</sup>	163	257	236	283	117	17	249	8.5	27.0	
<b>Total</b>	<b>1,917</b>	<b>1,405</b>	<b>1,309</b>	<b>1,157</b>	<b>893</b>	<b>718</b>	<b>921</b>	<b>100.0</b>	<b>100.0</b>	

Selected Developed Countries: Crude Oil Imports, by Source  
(Continued)

	Thousand b/d									
	Sep 1973 (Pre-Crisis Level)	1978	1979	1980	1981				Percent of Total	
					1st Half	Jul	Aug	Sep	Sep 1973	Sep 1981
<b>West Germany</b>										
Algeria	239	198	195	126	133	117	101	98	10.4	6.2
Egypt	...	7	6	5	4	13	6	11	...	0.7
Iraq	43	58	45	57	9	...	...	Negl.	1.9	Negl.
Kuwait	102	30	54	16	19	7	23	3	4.4	0.2
Libya	418	293	347	296	262	212	230	135	18.2	8.6
Qatar	18	12	10	4	8	Negl.	Negl.	20	0.8	1.3
Saudi Arabia	710	292	358	490	467	507	660	569	30.9	36.2
United Arab Emirates <sup>a</sup>	162	131	151	128	99	25	81	33	7.1	2.1
Other <sup>b</sup>	26	29	17	8	11	21	...	11	1.1	0.7
<b>Total OAPEC</b>	<b>1,718</b>	<b>1,050</b>	<b>1,183</b>	<b>1,130</b>	<b>1,012</b>	<b>902</b>	<b>1,101</b>	<b>880</b>	<b>74.8</b>	<b>55.9</b>
Ecuador	...	...	...	...	...	...	...	...	...	...
Gabon	32	13	15	16	9	Negl.	...	...	1.4	...
Indonesia	...	17	9	...	...	...	...	...	...	...
Iran	248	346	231	115	28	66	16	48	10.8	3.1
Nigeria	168	207	291	219	141	54	27	65	7.3	4.1
Venezuela	42	18	27	29	23	39	19	45	1.8	2.9
<b>Total OPEC <sup>c</sup></b>	<b>2,182</b>	<b>1,615</b>	<b>1,733</b>	<b>1,496</b>	<b>1,198</b>	<b>1,027</b>	<b>1,157</b>	<b>1,016</b>	<b>95.0</b>	<b>64.6</b>
UK	...	128	236	292	272	199	327	401	...	25.5
Norway	Negl.	52	69	61	62	54	47	50	Negl.	3.2
Mexico	...	...	...	1	2	14	...	...	...	...
Other <sup>d</sup>	89	82	86	90	82	121	116	84	3.9	5.3
<b>Total</b>	<b>2,297</b>	<b>1,913</b>	<b>2,147</b>	<b>1,953</b>	<b>1,631</b>	<b>1,449</b>	<b>1,653</b>	<b>1,573</b>	<b>100.0</b>	<b>100.0</b>

	Thousand b/d									
	Sep 1973 (Pre-Crisis Level)	1978	1979	1980	1981				Percent of Total	
					1st Qtr	2d Qtr	Jul	Aug	Sep 1973	Aug 1981
<b>France</b>										
Abu Dhabi	249	142	142	145	150	129	103	138	9.0	9.4
Algeria	227	75	101	84	66	87	76	90	8.2	6.1
Egypt	1	8	...	...	Negl.	...	...	...	Negl.	...
Iraq	375	411	489	467	53	49	49	44	13.6	3.0
Kuwait	316	48	97	59	42	41	...	...	11.4	...
Libya	131	67	80	36	39	54	40	...	4.7	...
Qatar	69	84	76	49	79	74	54	...	2.5	...
Saudi Arabia	623	803	892	763	1,109	832	876	755	22.5	51.6
Other <sup>b</sup>	12	47	43	3	12	28	16	...	0.4	...
<b>Total OAPEC</b>	<b>2,003</b>	<b>1,685</b>	<b>1,920</b>	<b>1,606</b>	<b>1,550</b>	<b>1,294</b>	<b>1,214</b>	<b>1,027</b>	<b>72.5</b>	<b>70.2</b>
Dubai	27	52	30	8	16	11	23	32	1.0	2.2
Ecuador	...	...	...	...	...	...	...	...	...	...
Gabon	33	23	26	28	23	12	18	...	1.2	...
Indonesia	...	...	1	...	...	...	...	...	...	...
Iran	216	209	123	24	26	37	31	21	7.8	1.4
Nigeria	253	162	193	221	184	81	88	48	9.2	3.3
Sharjah	...	...	...	...	...	...	...	...	...	...
Venezuela	36	15	21	21	57	32	32	29	1.3	2.0
<b>Total OPEC <sup>c</sup></b>	<b>2,555</b>	<b>2,091</b>	<b>2,271</b>	<b>1,905</b>	<b>1,844</b>	<b>1,439</b>	<b>1,390</b>	<b>1,157</b>	<b>92.4</b>	<b>79.0</b>
UK	...	32	54	54	51	31	27	140	...	9.6
Norway	...	31	31	36	27	31	30	33	...	2.3
Mexico	...	...	...	23	57	86	...	10	...	0.7
Other <sup>d</sup>	196	93	121	161	104	124	184	124	7.1	8.5
<b>Total</b>	<b>2,764</b>	<b>2,302</b>	<b>2,520</b>	<b>2,182</b>	<b>2,095</b>	<b>1,739</b>	<b>1,647</b>	<b>1,464</b>	<b>100.0</b>	<b>100.0</b>

Selected Developed Countries: Crude Oil Imports, by Source  
(Continued)

	Thousand b/d								
	4th Qtr 1973 (Pre- Crisis Level)	1977	1978	1979	1980	1981		Percent of Total	
						1st Qtr	2d Qtr	4th Qtr 1973	2d Qtr
<b>Italy</b>									
Algeria	61	29	82	58	46	75	46	2.4	2.7
Egypt	...	...	...	23	122	172	133	...	7.7
Iraq	383	286	379	447	236	58	184	15.2	10.7
Kuwait	212	147	206	219	53	43	54	8.4	3.1
Libya	597	278	298	300	243	276	305	23.7	17.7
Qatar	21	19	17	19	28	59	16	0.8	0.9
Saudi Arabia	692	625	445	669	584	690	492	27.5	28.6
United Arab Emirates <sup>a</sup>	...	70	79	40	47	56	24	...	1.4
Other <sup>b</sup>	...	...	...	...	...	...	...	...	...
<b>Total OAPEC</b>	<b>1,966</b>	<b>1,454</b>	<b>1,506</b>	<b>1,775</b>	<b>1,359</b>	<b>1,429</b>	<b>1,254</b>	<b>78.2</b>	<b>72.9</b>
Ecuador	...	...	...	...	7	...	...	...	...
Gabon	3	2	3	2	8	...	8	0.1	0.5
Indonesia	...	...	2	1	5	15	...	...	...
Iran	277	290	290	44	19	13	15	11.0	0.9
Nigeria	9	8	21	60	69	68	36	0.4	2.1
Venezuela	18	14	17	19	49	68	80	0.7	4.7
<b>Total OPEC <sup>c</sup></b>	<b>2,273</b>	<b>1,768</b>	<b>1,839</b>	<b>1,885</b>	<b>1,387</b>	<b>1,421</b>	<b>1,260</b>	<b>90.4</b>	<b>73.3</b>
UK	...	2	...	Negl.	7	4	...	...	...
Norway	...	...	...	...	5	...	5	...	0.3
Mexico	...	...	...	...	12	36	45	...	2.6
Other <sup>d</sup>	241	351	373	384	327	232	276	9.6	16.1
<b>Total</b>	<b>2,514</b>	<b>2,122</b>	<b>2,212</b>	<b>2,292</b>	<b>1,860</b>	<b>1,865</b>	<b>1,719</b>	<b>100.0</b>	<b>100.0</b>

<sup>a</sup> Including oil imports from Abu Dhabi and possibly from Dubai and Sharjah, which are not members of OAPEC.

<sup>b</sup> Including, when applicable, Bahrain and Syria.

<sup>c</sup> Consisting of OAPEC members (excluding Bahrain, Egypt, and Syria) plus the other countries shown.

<sup>d</sup> Including data that cannot be distributed by area of origin.

Selected Developed Countries: Trends in Oil Trade <sup>a</sup>

	Thousand b/d												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
United States <sup>b</sup>													
1973													
Crude imports	2,732	2,873	3,162	3,049	3,215	3,220	3,501	3,593	3,471	3,740	3,452	2,891	3,244
Product imports	3,125	3,635	3,448	2,545	2,626	2,670	2,678	2,999	2,941	2,894	3,470	3,164	3,012
Total imports	5,857	6,508	6,610	5,594	5,841	5,890	6,179	6,592	6,412	6,634	6,922	6,055	6,256
Exports	211	261	224	276	237	215	241	218	243	222	203	228	231
Net imports	5,646	6,247	6,386	5,318	5,604	5,675	5,938	6,374	6,169	6,412	6,719	5,827	6,025
1979													
Crude imports	6,925	6,522	6,374	6,211	6,261	6,647	6,602	6,809	6,426	6,890	6,228	6,318	6,519
Product imports	2,166	2,039	2,326	1,655	1,748	1,637	1,878	1,712	1,541	1,710	1,840	2,196	1,869
Total imports	9,091	8,561	8,700	7,866	8,009	8,284	8,480	8,521	7,967	8,600	8,068	8,514	8,388
Exports	392	486	611	493	429	468	486	466	414	425	510	471	471
Net imports	8,699	8,075	8,089	7,373	7,580	7,816	7,994	8,055	7,553	8,175	7,558	8,043	7,917
1980													
Crude imports	6,359	5,936	5,785	5,555	5,071	5,480	4,645	4,723	4,707	4,701	4,666	5,046	5,220
Product imports	1,983	1,911	1,724	1,430	1,478	1,413	1,401	1,379	1,431	1,556	1,673	1,781	1,547
Total imports	8,342	7,847	7,509	6,985	6,549	6,893	6,046	6,102	6,138	6,257	6,339	6,827	6,767
Exports	539	536	566	457	573	654	530	319	557	597	549	622	542
Net imports	7,803	7,311	6,943	6,528	5,976	6,239	5,516	5,783	5,581	5,660	5,790	6,205	6,225
1981													
Crude imports	4,923	4,873	4,521	4,457	4,267	3,909	4,044	3,861	3,895	3,957			
Product imports	1,892	1,904	1,505	1,235	1,388	1,344	1,341	1,582	1,429	1,070			
Total imports	6,815	6,777	6,026	5,692	5,655	5,253	5,385	5,443	5,324	5,027			
Exports	558	569	586	570	595	556	558	535	546	561			
Net imports	6,257	6,208	5,440	5,122	5,060	4,697	4,827	4,908	4,778	4,466			
Canada													
1973													
Crude imports	945	975	932	772	930	741	1,058	937	940	799	934	802	897
Product imports	178	108	70	52	134	136	137	168	120	147	155	164	130
Total imports	1,123	1,083	1,002	824	1,064	877	1,195	1,105	1,060	946	1,089	966	1,027
Exports	1,357	1,500	1,364	1,472	1,495	1,446	1,162	1,298	1,300	1,363	1,357	1,237	1,364
Net imports	-234	-417	-362	-648	-431	-569	33	-193	-240	-417	-268	-271	-337
1979													
Crude imports	686	686	686	560	560	560	574	574	574	645	645	645	616
Product imports	16	16	16	41	41	41	47	47	47	50	50	50	39
Total imports	702	702	702	601	601	601	621	621	621	695	695	695	655
Exports	620	620	620	533	533	533	488	488	488	548	548	548	547
Net imports	82	82	82	68	68	68	133	133	133	147	147	147	108
1980													
Crude imports	612	612	612	534	534	534	539	539	539	543	543	543	557
Product imports	32	32	32	56	56	56	55	55	55	48	48	48	48
Total imports	644	644	644	590	590	590	594	594	594	591	591	591	605
Exports	548	548	548	416	416	416	395	395	395	507	507	507	467
Net imports	96	96	96	174	174	174	199	199	199	84	84	84	138
1981													
Crude imports	520	520	520	563	563	563							
Product imports	42	42	42	33	33	33							
Total imports	562	562	562	596	596	596							
Exports	489	489	489	328	328	328							
Net imports	73	73	73	268	268	268							
Japan													
1973													
Crude imports	4,662	4,775	4,830	4,864	4,918	5,043	4,697	5,550	4,878	5,483	5,029	5,139	4,992
Product imports	640	803	650	542	664	640	523	507	443	592	533	486	584
Total imports	5,302	5,578	5,480	5,406	5,582	5,683	5,220	6,057	5,321	6,075	5,562	5,625	5,576
Exports	11	33	23	28	19	13	39	31	21	25	13	25	24
Net imports	5,291	5,545	5,457	5,378	5,563	5,670	5,181	6,026	5,300	6,050	5,549	5,600	5,552
1979 <sup>c</sup>													
Crude imports	5,146	5,114	5,323	4,649	4,655	4,104	4,499	4,559	5,099	4,379	5,332	5,318	4,846
Product imports	632	655	793	759	779	753	811	840	965	738	852	886	789
Total imports	5,778	5,769	6,116	5,408	5,434	4,857	5,310	5,399	6,064	5,117	6,184	6,204	5,635
Exports	21	13	12	10	9	11	7	6	8	7	7	9	10
Net imports	5,757	5,756	6,104	5,398	5,425	4,846	5,303	5,393	6,056	5,110	6,177	6,195	5,625

Selected Developed Countries: Trends in Oil Trade<sup>a</sup>  
(Continued)

	Thousand b/d												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Japan (Continued)													
1980													
Crude imports	4,299	4,758	4,905	4,497	4,424	4,274	4,375	3,929	3,623	4,320	4,287	4,779	4,373
Product imports	731	696	640	955	781	845	859	625	610	613	570	689	718
Total imports	5,030	5,454	5,545	5,452	5,205	5,119	5,234	4,554	4,233	4,933	4,857	5,468	5,091
Exports	6	11	10	9	8	10	9	8	9	10	10	11	9
Net imports	5,024	5,443	5,535	5,443	5,197	5,109	5,225	4,546	4,224	4,923	4,847	5,457	5,082
1981													
Crude imports	3,591	4,533	4,338	4,208	4,519	3,336	3,813	3,594	3,255				
Product imports	708	733	668	670	628	696	643	723	881				
Total imports	4,299	5,266	5,006	4,878	5,147	4,032	4,456	4,317	4,136				
Exports	7	46	27	8	8	11	4	6	8				
Net imports	4,292	5,220	4,979	4,870	5,139	4,021	4,452	4,311	4,128				
France													
1973													
Crude imports	2,897	2,699	2,955	2,728	2,540	2,676	2,288	2,791	2,764	2,797	3,053	2,549	2,728
Product imports	137	174	148	142	176	128	138	169	139	171	126	117	147
Total imports	3,034	2,873	3,103	2,870	2,716	2,804	2,426	2,960	2,903	2,968	3,179	2,666	2,875
Exports	255	260	232	226	317	290	246	307	307	261	253	279	269
Net imports	2,779	2,613	2,871	2,644	2,399	2,514	2,180	2,653	2,596	2,707	2,926	2,387	2,606
1979													
Crude imports	2,791	2,896	2,502	2,465	2,448	2,657	2,212	2,553	2,523	2,493	2,274	2,458	2,520
Product imports	246	341	217	180	155	172	217	173	247	306	345	317	242
Total imports	3,037	3,237	2,719	2,645	2,603	2,829	2,429	2,726	2,770	2,799	2,619	2,775	2,762
Exports	303	291	286	299	350	397	450	514	349	331	348	302	352
Net imports	2,734	2,946	2,433	2,346	2,253	2,432	1,979	2,212	2,421	2,468	2,271	2,473	2,410
1980													
Crude imports	2,369	2,503	2,397	1,977	2,451	2,329	2,115	2,060	1,829	2,287	1,765	2,192	2,182
Product imports	400	235	303	277	362	463	390	340	368	550	357	331	367
Total imports	2,769	2,738	2,700	2,254	2,813	2,792	2,505	2,400	2,197	2,837	2,122	2,523	2,549
Exports	259	276	329	362	329	307	301	242	454	474	264	281	324
Net imports	2,510	2,462	2,371	1,892	2,484	2,485	2,204	2,158	1,743	2,363	1,858	2,242	2,225
1981													
Crude imports	1,995	2,376	1,903	1,978	1,649	1,591	1,647	1,464					
Product imports	370	234	308	249	330	336	420	281					
Total imports	2,365	2,610	2,211	2,227	1,979	1,927	2,067	1,745					
Exports	190	421	305	407	318	293	296	330					
Net imports	2,175	2,189	1,906	1,820	1,661	1,634	1,771	1,415					
Italy													
1973													
Crude imports	2,308	2,448	2,600	2,598	2,498	2,996	2,779	2,784	2,606	2,548	1,844	N.A.	2,567
Product imports	76	133	97	98	154	98	109	137	232	29	65	N.A.	102
Total imports	2,384	2,581	2,697	2,696	2,652	3,094	2,888	2,921	2,838	2,577	1,909	N.A.	2,669
Exports	604	628	513	595	678	671	775	725	586	630	515	N.A.	579
Net imports	1,780	1,953	2,184	2,101	1,974	2,423	2,113	2,196	2,252	1,947	1,394	N.A.	2,090
1979													
Crude imports	2,360	2,360	2,360	2,273	2,273	2,273	2,293	2,293	2,293	2,242	2,242	2,242	2,292
Product imports	147	147	147	145	145	145	106	106	106	173	173	173	143
Total imports	2,507	2,507	2,507	2,418	2,418	2,418	2,399	2,399	2,399	2,415	2,415	2,415	2,435
Exports	545	545	545	540	540	540	384	384	384	331	331	331	448
Net imports	1,962	1,962	1,962	1,878	1,878	1,878	2,015	2,015	2,015	2,084	2,084	2,084	1,987
1980													
Crude imports	1,981	1,981	1,981	1,760	1,760	1,760	1,909	1,909	1,909	1,788	1,788	1,788	1,860
Product imports	313	313	313	324	324	324	308	308	308	225	225	225	292
Total imports	2,294	2,294	2,294	2,084	2,084	2,084	2,217	2,217	2,217	2,013	2,013	2,013	2,152
Exports	266	266	266	209	209	209	210	210	210	259	259	259	236
Net imports	2,028	2,028	2,028	1,875	1,875	1,875	2,007	2,007	2,007	1,754	1,754	1,754	1,916

Selected Developed Countries: Trends in Oil Trade  
(Continued)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Thousand b/d Average
Italy (Continued)													
1981													
Crude imports	1,865	1,865	1,865	1,719	1,719	1,719							
Product imports	377	377	377	339	339	339							
Total imports	2,242	2,242	2,242	2,058	2,058	2,058							
Exports	250	250	250	265	265	265							
Net imports	1,992	1,992	1,992	1,793	1,793	1,793							
United Kingdom													
1973													
Crude imports	2,276	2,090	2,273	2,248	2,402	2,535	2,175	2,818	1,917	2,892	2,415	2,004	2,339
Product imports	615	533	457	359	488	439	323	417	361	416	326	208	410
Total imports	2,891	2,623	2,730	2,607	2,890	2,974	2,498	3,235	2,278	3,308	2,741	2,212	2,749
Exports	464	311	323	329	332	257	430	555	496	464	488	293	398
Net imports	2,427	2,312	2,407	2,278	2,558	2,717	2,068	2,680	1,782	2,844	2,253	1,919	2,351
1979													
Crude imports	1,470	1,387	863	1,072	1,105	1,161	1,032	1,153	1,090	1,180	1,116	1,250	1,157
Product imports	312	321	433	320	353	241	258	286	225	279	328	268	302
Total imports	1,782	1,708	1,296	1,392	1,458	1,402	1,290	1,439	1,315	1,459	1,444	1,518	1,459
Exports	970	1,038	701	946	1,087	1,001	1,052	949	1,363	922	1,323	1,012	1,035
Net imports	812	670	595	446	371	401	238	490	-48	537	121	506	424
1980													
Crude imports	1,304	963	970	930	892	865	729	798	743	779	829	915	893
Product imports	332	338	266	220	303	240	272	261	221	221	233	275	265
Total imports	1,636	1,301	1,236	1,150	1,195	1,105	1,001	1,059	964	1,000	1,062	1,190	1,158
Exports	1,055	1,041	999	1,083	993	927	1,152	1,024	1,024	1,213	1,166	1,011	1,056
Net imports	581	260	237	67	202	178	-151	35	-60	-213	-104	179	102
1981													
Crude imports	718	921	709	718	690	640	708	659					
Product imports	174	144	161	157	139	183	224	193					
Total imports	892	1,065	870	875	829	823	932	852					
Exports	1,095	1,390	1,203	1,296	1,092	1,296	1,419	1,544					
Net imports	-203	-325	-333	-421	-263	-473	-487	-692					
West Germany													
1973													
Crude imports	2,177	2,217	2,226	2,201	2,173	2,306	2,091	2,140	2,297	2,359	2,274	2,067	2,210
Product imports	776	788	690	831	870	748	798	710	828	904	859	709	791
Total imports	2,953	3,005	2,916	3,032	3,043	3,054	2,889	2,850	3,125	3,263	3,133	2,776	3,001
Exports	153	177	164	135	184	174	177	185	155	239	235	141	177
Net imports	2,800	2,828	2,752	2,897	2,859	2,880	2,712	2,665	2,970	3,024	2,898	2,635	2,824
1979													
Crude imports	2,142	2,272	1,898	2,183	2,119	2,181	2,160	2,145	2,151	2,121	2,253	2,159	2,147
Product imports	931	828	770	774	816	855	1,009	826	780	824	812	677	825
Total imports	3,073	3,100	2,668	2,957	2,935	3,036	3,169	2,971	2,931	2,945	3,065	2,836	2,972
Exports	121	140	152	116	146	137	139	133	123	148	135	126	135
Net imports	2,952	2,960	2,516	2,841	2,789	2,899	3,030	2,838	2,808	2,797	2,930	2,710	2,837
1980													
Crude imports	2,157	2,172	1,949	1,842	2,004	1,914	1,916	1,789	1,888	1,949	1,895	1,978	1,953
Product imports	840	865	634	775	820	778	773	733	716	632	640	662	739
Total imports	2,997	3,037	2,583	2,617	2,824	2,692	2,689	2,522	2,604	2,581	2,535	2,640	2,692
Exports	121	120	125	181	146	156	144	143	145	151	160	125	144
Net imports	2,876	2,917	2,458	2,436	2,678	2,536	2,545	2,379	2,459	2,430	2,375	2,515	2,548
1981													
Crude imports	1,687	1,800	1,610	1,651	1,539	1,516	1,449	1,653	1,573				
Product imports	626	668	825	545	526	631	704						
Total imports	2,313	2,468	2,435	2,196	2,065	2,147	2,153						
Exports	133	169	122	108	137	174	179						
Net imports	2,180	2,299	2,313	2,088	1,928	1,973	1,974						

<sup>a</sup> Monthly data may not add to yearly averages, because monthly revisions may not be available.

<sup>b</sup> Bureau of the Mines data through May 1981.

<sup>c</sup> Excluding government-owned stockpiles offshore.

Developed Countries: Exports to OPEC<sup>a</sup>

Million US \$ (f.o.b.)

	Algeria	Ecua- dor	Gabon	Indo- nesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Vene- zuela	Total <sup>b</sup>
United States														
1978	374	610	97	751	3,684	317	745	425	985	77	4,370	493	3,727	16,654
1979	404	696	32	981	1,020	442	764	468	632	138	4,875	667	3,931	15,051
1980	542	864	48	1,545	23	725	886	509	1,150	129	5,768	998	4,573	17,759
1981														
1st Qtr	218	226	11	315	51	182	254	172	332	36	1,642	314	1,310	5,064
2d Qtr	185	201	53	317	50	276	234	244	405	38	1,973	275	1,358	5,608
Jul	49	77	3	115	28	96	66	53	143	10	615	83	509	1,848
Japan														
1978	735	186	16	2,114	2,719	958	781	357	963	318	3,284	1,025	789	14,244
1979	343	201	17	2,110	921	1,600	879	544	801	240	3,802	1,038	779	13,272
1980	457	276	45	3,476	1,542	2,193	1,281	527	1,501	216	4,882	1,363	838	18,597
1981														
1st Qtr	103	60	18	1,005	211	604	313	164	494	50	1,212	355	175	4,762
2d Qtr	113	66	15	1,031	344	774	366	325	534	65	1,453	432	189	5,707
Jul	33	22	6	327	172	281	161	139	193	20	514	124	112	2,104
West Germany														
1978	1,276	205	21	507	3,381	802	347	822	1,432	89	2,079	430	864	12,254
1979	1,242	134	24	409	1,285	1,143	378	1,177	1,145	83	2,412	470	585	10,486
1980	1,374	136	34	600	1,506	1,800	493	1,251	1,827	93	2,358	473	600	12,545
1981														
1st Qtr	337	42	10	205	305	509	95	277	422	27	600	112	133	3,075
2d Qtr	328	39	9	284	385	652	173	370	458	26	612	170	130	3,635
Jul	107	13	4	121	166	261	51	164	215	9	246	91	49	1,497
France														
1978	1,540	31	274	155	881	506	209	533	839	79	877	242	335	6,501
1979	1,937	223	312	180	425	797	434	650	766	159	1,100	332	292	7,606
1980	2,626	46	437	240	721	1,072	295	671	1,348	95	1,456	465	360	9,831
1981														
1st Qtr	574	9	104	56	186	347	46	201	394	18	348	135	84	2,503
2d Qtr	792	8	104	60	172	365	52	237	373	20	430	106	85	2,804
Jul	159	4	32	23	73	128	18	77	115	8	185	42	33	897
United Kingdom														
1978	232	63	15	162	1,440	416	638	412	2,173	175	1,511	837	363	8,437
1979	245	71	18	163	493	427	497	538	1,357	216	1,900	1,038	293	7,256
1980	1,331	72	21	261	914	748	601	670	2,799	237	2,441	1,167	306	10,567
1981														
Jan	32	6	1	38	83	106	60	103	255	22	208	103	15	1,029
Feb	34	6	2	17	29	86	44	86	235	19	155	81	25	817
Italy														
1978	950	91	13	66	1,067	324	288	1,304	658	67	1,467	252	481	7,028
1979	1,075	108	9	67	414	673	325	1,926	461	61	1,883	337	428	7,767
1980	1,289	119	22	90	575	943	405	2,545	683	62	2,075	428	580	9,815
1981														
1st Qtr	374	24	4	20	70	260	77	708	165	12	409	93	95	2,312
Apr	169	10	2	11	70	138	44	398	76	5	219	47	49	1,237
May	115	6	1	7	101	88	32	302	64	7	155	33	39	950
Jun	143	5	1	14	61	127	58	488	88	5	207	44	34	1,275
Canada														
1978	141	42	1	68	134	12	36	18	33	2	207	34	605	1,333
1979	183	42	1	54	19	90	57	32	43	5	216	28	614	1,382
1980	329	73	3	137	27	125	61	61	87	8	266	39	599	1,813
1981														
1st Qtr	82	14	1	26	9	36	9	10	20	2	75	11	179	473
Apr	15	9	0	4	0	5	3	3	6	1	22	4	71	143
May	36	7	1	7	0	8	2	3	10	1	18	1	54	148
Jun	35	8	0	7	1	30	6	9	11	0	30	2	57	196

<sup>a</sup> Source: International Monetary Fund, Direction of Trade.<sup>b</sup> Because of rounding, components may not add to totals shown.

Developed Countries: Imports From OPEC<sup>a</sup>

Million US \$ (c.i.f.)

	Algeria	Ecua- dor	Gabon	Indo- nesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Vene- zuela	Total <sup>b</sup>
United States														
1978	3,698	810	194	3,884	3,164	265	56	3,993	4,977	341	5,819	2,030	3,738	32,969
1979	5,462	894	342	3,925	2,978	671	95	5,544	8,650	291	8,730	2,155	5,452	45,190
1980	6,881	938	293	5,503	354	369	498	7,395	11,316	250	13,323	2,115	5,547	54,781
1981														
1st Qtr	1,441	219	63	1,762	6	2	44	2,045	3,082	17	4,002	575	1,807	15,064
2d Qtr	1,416	255	119	1,422	23	81	13	2,186	3,196	91	3,372	489	1,180	13,843
Jul	301	53	33	481	7	52	0	293	557	1	931	126	452	3,285
Japan														
1978	38	25	6	5,284	4,256	783	2,501	16	8	563	8,503	2,639	50	24,671
1979	57	36	13	8,725	4,239	1,799	4,280	100	42	967	12,037	3,612	141	36,049
1980	456	257	20	13,230	4,119	4,359	3,471	361	121	1,814	19,623	8,228	695	56,753
1981														
1st Qtr	131	184	0	3,803	21	0	1,140	40	66	757	5,861	2,511	193	14,708
2d Qtr	264	139	3	3,010	941	383	984	100	151	442	5,173	2,148	228	13,966
Jul	79	2	0	1,128	315	179	179	61	2	151	1,515	718	97	4,424
West Germany														
1978	1,169	92	129	352	2,101	211	266	1,700	1,229	68	1,516	696	155	9,683
1979	1,698	81	158	400	2,320	333	548	3,037	2,369	84	2,360	1,155	245	14,787
1980	2,281	73	229	388	1,881	640	379	4,325	3,031	53	5,431	1,500	378	20,590
1981														
1st Qtr	687	18	72	121	181	37	104	1,111	626	36	1,298	320	51	4,659
2d Qtr	527	17	8	61	153	34	99	992	436	19	1,553	355	94	4,348
Jul	174	4	4	22	88	2	15	291	70	0	525	32	38	1,265
France														
1978	707	37	356	176	1,202	2,115	269	381	933	496	4,073	1,054	88	11,887
1979	1,116	35	484	233	1,034	3,369	639	607	1,448	520	5,742	1,214	212	16,653
1980	1,718	46	630	326	693	5,597	828	666	3,001	680	8,686	1,902	361	25,133
1981														
1st Qtr	303	4	142	48	107	200	170	120	666	261	3,524	599	182	6,326
2d Qtr	528	3	104	39	125	258	181	228	329	188	2,696	542	134	5,353
Jul	210	1	25	12	16	20	19	79	135	145	968	170	21	1,821
United Kingdom														
1978	74	14	9	64	1,021	953	1,192	185	546	59	1,599	523	139	6,377
1979	186	13	27	119	518	839	1,582	132	396	86	2,357	504	214	6,973
1980	265	21	25	132	249	1,238	1,522	108	352	104	4,480	1,129	273	9,898
1981														
Jan	7	1	5	8	3	74	91	15	14	0	395	99	12	723
Feb	4	1	2	8	1	1	86	1	35	0	437	96	15	686
Italy														
1978	467	45	36	216	1,563	1,879	905	1,719	158	97	2,400	287	232	10,004
1979	530	47	22	325	411	2,884	1,509	2,588	459	125	4,056	314	328	13,597
1980	713	37	123	378	339	2,875	582	3,469	945	251	6,388	627	942	17,667
1981														
1st Qtr	235	15	4	82	53	200	95	876	233	152	1,853	133	279	4,208
Apr	98	7	2	26	23	219	37	431	151	113	783	102	111	2,102
May	84	2	26	17	34	154	89	447	94	37	415	22	142	1,562
Jun	88	6	10	16	29	337	36	448	45	0	416	42	112	1,585
Canada														
1978	54	101	55	30	576	127	0	0	9	0	723	0	1,239	2,913
1979	82	54	2	40	313	44	100	0	1	0	1,152	1	1,465	3,252
1980	11	38	6	27	3	216	158	0	39	0	2,295	58	2,049	4,902
1981														
1st Qtr	51	13	0	11	1	1	53	30	0	0	549	25	508	1,241
Apr	28	4	2	6	0	0	0	0	4	0	262	33	156	496
May	72	6	1	2	0	0	64	0	42	0	183	0	163	533
Jun	41	3	3	3	0	0	0	30	0	0	175	0	264	520

<sup>a</sup> Source: International Monetary Fund, Direction of Trade.<sup>b</sup> Because of rounding, components may not add to totals shown.



Selected OECD Countries: Trends in Inland Oil Consumption <sup>a</sup>

Thousand b/d

		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
United States <sup>b</sup>	Average	16,367	17,308	16,653	16,322	17,461	18,431	18,847	18,513	17,006	
	Jan	16,735	18,713	17,286	18,004	18,647	20,504	19,752	20,586	18,656	18,288
	Feb	17,861	19,094	17,366	17,084	17,509	20,482	20,900	21,288	18,815	16,930
	Mar	16,870	17,216	16,104	16,315	17,302	18,124	19,652	19,322	17,385	15,838
	Apr	15,529	15,921	15,929	16,048	16,612	17,580	17,747	17,434	16,724	15,280
	May	14,801	16,626	15,726	15,155	15,977	16,972	18,230	17,801	16,143	15,196
	Jun	15,615	16,481	16,117	15,610	16,825	18,043	18,260	17,786	16,214	16,261
	Jul	14,821	16,372	16,349	15,740	16,607	17,568	17,633	17,144	15,962	15,232
	Aug	15,936	17,499	16,550	15,806	16,642	18,012	18,639	18,149	15,727	15,661
	Sep	15,489	16,656	16,024	15,768	16,837	17,714	17,954	17,400	16,548	15,943
	Oct	16,455	17,202	17,050	16,377	17,090	17,824	18,417	18,176	16,911	15,755
	Nov	17,610	18,492	17,351	15,777	18,847	18,437	19,156	18,313	16,694	
	Dec	18,738	17,538	18,013	18,185	20,560	20,052	19,944	18,922	18,354	
Canada	Average	1,511	1,597	1,630	1,595	1,647	1,661	1,701	1,765	1,730	
	Jan	1,536	1,667	1,823	1,691	1,785	1,776	1,777	1,873	1,822	1,764
	Feb	1,793	1,747	1,863	1,872	1,725	1,901	1,956	1,996	1,926	1,765
	Mar	1,612	1,584	1,659	1,558	1,734	1,651	1,681	1,674	1,715	1,548
	Apr	1,367	1,431	1,560	1,592	1,508	1,523	1,561	1,614	1,597	1,609
	May	1,374	1,486	1,577	1,471	1,512	1,524	1,522	1,656	1,588	1,488
	Jun	1,334	1,474	1,455	1,550	1,550	1,593	1,622	1,742	1,659	1,568
	Jul	1,294	1,490	1,534	1,493	1,514	1,497	1,549	1,689	1,675	
	Aug	1,394	1,557	1,463	1,449	1,575	1,690	1,680	1,770	1,648	
	Sep	1,402	1,427	1,415	1,469	1,512	1,527	1,595	1,614	1,707	
	Oct	1,577	1,680	1,680	1,555	1,554	1,626	1,708	1,850	1,771	
	Nov	1,685	1,801	1,714	1,577	1,820	1,718	1,865	1,850	1,719	
	Dec	1,782	1,828	1,831	1,880	2,000	1,925	1,915	1,872	1,942	
Japan	Average	4,311	5,000	4,872	4,568	4,786	5,015	5,115	5,171	4,674	
	Jan	N.A.	5,036	5,103	4,729	4,941	5,433	5,301	5,579	5,255	4,987
	Feb	N.A.	5,352	5,664	5,191	5,246	6,025	5,981	6,009	5,722	5,349
	Mar	N.A.	5,306	5,407	4,918	5,165	5,539	5,595	5,708	5,433	5,012
	Apr	N.A.	4,737	4,706	4,202	4,526	4,714	4,849	5,009	4,626	4,156
	May	N.A.	4,597	4,568	4,041	4,218	4,314	4,437	4,757	4,376	3,590
	Jun	N.A.	4,776	4,520	4,135	4,429	4,484	4,502	4,709	4,224	3,901
	Jul	N.A.	4,586	4,385	4,265	4,416	4,716	4,704	4,689	4,250	4,164
	Aug	N.A.	4,684	4,576	4,234	4,461	4,709	4,857	4,894	3,909	4,033
	Sep	N.A.	4,778	4,720	4,543	4,517	4,742	4,827	4,809	4,121	
	Oct	N.A.	5,093	4,614	4,409	4,523	4,664	4,847	4,771	4,251	
	Nov	N.A.	5,559	4,925	4,747	5,160	5,093	5,423	5,359	4,622	
	Dec	N.A.	5,526	5,330	5,447	5,846	5,800	6,125	5,812	5,347	
Austria	Average	203	227	203	199	215	206	223	230	224	
	Jan	189	220	236	183	207	200	216	248	241	223
	Feb	221	225	220	190	208	208	235	247	227	248
	Mar	212	224	160	172	209	182	218	232	216	191
	Apr	183	204	169	184	156	197	181	203	237	204
	May	174	210	172	156	169	166	174	217	209	174
	Jun	181	200	169	186	189	208	217	196	214	213
	Jul	179	221	214	210	219	192	206	224	226	187
	Aug	187	222	218	223	229	213	228	233	184	190
	Sep	213	227	222	232	246	221	234	234	216	
	Oct	227	253	243	226	233	202	242	246	245	
	Nov	246	276	215	201	252	236	277	263	256	
	Dec	230	234	203	229	261	245	252	219	221	
Belgium/Luxembourg	Average	485	505	440	424	449	442	461	474	434	
	Jan	535	543	512	550	498	552	515	697	592	480
	Feb	591	589	528	458	547	507	592	595	476	464
	Mar	546	570	392	410	469	517	520	519	493	429
	Apr	470	565	383	465	460	483	477	481	477	372

**Selected OECD Countries: Trends in Inland Oil Consumption <sup>a</sup>**  
(Continued)

		Thousand b/d										
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	
Belgium/Luxembourg (Continued)	May	454	483	419	364	357	397	375	411	380	304	
	Jun	464	463	376	367	383	414	376	366	326	327	
	Jul	346	359	339	312	308	253	273	334	301		
	Aug	367	389	352	356	361	335	376	358	365		
	Sep	479	465	478	383	425	428	411	464	500		
	Oct	484	556	534	443	424	414	456	455	426		
	Nov	563	558	427	449	532	504	574	503	438		
	Dec	530	503	542	522	628	505	595	514	441		
	Denmark	<b>Average</b>				<b>301</b>	<b>307</b>	<b>309</b>	<b>305</b>	<b>302</b>	<b>252</b>	
		Jan	N.A.	N.A.	N.A.	332	358	370	338	441	337	274
Feb		N.A.	N.A.	N.A.	380	398	405	407	455	343	282	
Mar		N.A.	N.A.	N.A.	317	367	362	358	373	311	248	
Apr		N.A.	N.A.	N.A.	354	307	340	310	310	274	214	
May		N.A.	N.A.	N.A.	258	242	241	272	299	204	169	
Jun		N.A.	N.A.	N.A.	257	250	236	236	246	194	177	
Jul		N.A.	N.A.	N.A.	218	184	192	192	171	168	148	
Aug		N.A.	N.A.	N.A.	264	261	293	254	223	186	163	
Sep		N.A.	N.A.	N.A.	262	274	326	302	208	271		
Oct		N.A.	N.A.	N.A.	302	280	246	297	275	216		
Nov		N.A.	N.A.	N.A.	324	356	323	329	322	260		
Dec		N.A.	N.A.	N.A.	353	414	376	380	310	270		
France	<b>Average</b>	<b>1,985</b>	<b>2,219</b>	<b>2,094</b>	<b>1,925</b>	<b>2,075</b>	<b>1,973</b>	<b>2,077</b>	<b>2,107</b>	<b>1,965</b>		
	Jan	2,276	2,743	2,523	2,190	2,436	2,519	2,645	2,786	2,462	2,305	
	Feb	2,450	2,687	2,389	2,243	2,486	2,386	2,598	2,731	2,439	2,169	
	Mar	2,100	2,528	2,249	1,952	2,381	2,109	2,236	2,315	1,981	1,791	
	Apr	1,848	2,296	1,970	2,202	2,100	2,043	2,044	2,150	2,107	1,497	
	May	1,743	1,890	1,915	1,640	1,796	1,846	2,131	2,049	1,853	1,665	
	Jun	1,597	1,685	2,103	1,642	1,593	1,715	1,687	1,670	1,853	1,600	
	Jul	1,444	1,566	1,703	1,491	1,629	1,349	1,364	1,611	1,450	1,448	
	Aug	1,441	1,495	1,506	1,300	1,668	1,390	1,325	1,563	1,223	1,160	
	Sep	1,950	1,932	1,996	1,785	1,974	1,783	1,665	1,728	1,741	1,420	
	Oct	2,106	2,482	2,045	1,917	1,904	1,882	1,997	2,014	2,050	1,707	
	Nov	2,332	2,593	2,260	2,077	2,236	2,181	2,472	2,491	2,039		
	Dec	2,574	2,768	2,492	2,658	2,712	2,512	2,800	2,287	2,409		
Italy <sup>c</sup>	<b>Average</b>	<b>1,443</b>	<b>1,515</b>	<b>1,521</b>	<b>1,468</b>	<b>1,503</b>	<b>1,476</b>	<b>1,551</b>	<b>1,620</b>	<b>1,602</b>		
	Jan	1,720	1,781	1,755	1,792	1,775	1,696	1,763	1,950	1,778	1,708	
	Feb	1,696	1,866	1,760	1,767	1,743	1,823	1,906	1,912	1,864	2,014	
	Mar	1,450	1,710	1,579	1,558	1,641	1,573	1,589	1,623	1,660	1,702	
	Apr	1,169	1,420	1,421	1,530	1,423	1,326	1,339	1,460	1,541	1,623	
	May	1,138	1,285	1,349	1,174	1,253	1,268	1,300	1,427	1,448	1,270	
	Jun	1,101	1,255	1,314	1,289	1,236	1,340	1,354	1,325	1,511	1,342	
	Jul	1,175	1,303	1,368	1,234	1,355	1,251	1,338	1,337	1,537	1,442	
	Aug	1,129	1,255	1,287	1,105	1,372	1,140	1,197	1,323	1,313	1,211	
	Sep	1,451	1,462	1,527	1,465	1,604	1,502	1,566	1,641	1,646	1,463	
	Oct	1,650	1,610	1,569	1,679	1,464	1,405	1,573	1,807	1,673	1,543	
	Nov	1,702	1,551	1,580	1,448	1,393	1,605	1,828	1,888	1,532		
	Dec	1,899	1,698	1,753	1,600	1,779	1,817	1,889	1,768	1,737		
Netherlands	<b>Average</b>	<b>496</b>	<b>507</b>	<b>444</b>	<b>412</b>	<b>487</b>	<b>457</b>	<b>446</b>	<b>513</b>	<b>478</b>		
	Jan	509	584	468	399	480	494	410	542	506	471	
	Feb	570	586	522	430	542	502	495	565	600	497	
	Mar	557	542	438	379	543	494	471	539	535	416	
	Apr	512	541	530	474	443	424	431	487	467		
	May	453	475	432	390	453	393	367	500	422		
	Jun	429	436	427	403	462	456	395	487	457		
	Jul	374	408	415	354	426	388	396	464	406		
	Aug	435	437	414	364	446	414	425	463	400		
	Sep	440	485	440	412	493	447	463	504	462		

**Selected OECD Countries: Trends in Inland Oil Consumption <sup>a</sup>**  
(Continued)

		Thousand b/d									
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Netherlands (Continued)	Oct	515	594	472	440	469	459	471	507	502	
	Nov	581	503	440	419	517	511	500	574	501	
	Dec	567	505	433	484	576	504	535	533	503	
Norway	Average	N.A.	N.A.	143	150	163	170	168	170	156	
	Jan	N.A.	N.A.	155	142	161	177	171	204	170	151
	Feb	N.A.	N.A.	154	171	180	202	193	210	189	158
	Mar	N.A.	N.A.	124	137	181	189	171	179	164	171
	Apr	N.A.	N.A.	126	149	145	162	155	149	156	125
	May	N.A.	N.A.	118	145	147	150	160	162	135	110
	Jun	N.A.	N.A.	141	130	153	159	160	161	149	135
	Jul	N.A.	N.A.	113	120	130	131	125	144	121	121
	Aug	N.A.	N.A.	125	140	146	156	150	150	135	134
	Sep	N.A.	N.A.	151	161	168	189	181	153	182	143
	Oct	N.A.	N.A.	161	162	167	161	184	173	176	
	Nov	N.A.	N.A.	174	181	175	179	176	171	144	
	Dec	N.A.	N.A.	180	162	197	192	191	182	177	
Spain	Average	471	581	626	667	744	693	726	745	771	
	Jan	483	539	610	720	758	740	747	786	822	847
	Feb	508	568	639	682	785	727	771	708	848	879
	Mar	461	564	571	625	769	660	719	769	792	823
	Apr	447	537	595	688	742	634	685	712	795	701
	May	444	523	620	622	685	670	665	717	805	610
	Jun	472	530	608	610	714	672	672	675	687	689
	Jul	457	466	630	624	755	677	655	689	719	739
	Aug	462	667	617	584	685	612	655	670	594	533
	Sep	477	576	636	667	734	700	708	707	727	672
	Oct	459	669	677	713	742	682	751	795	807	
	Nov	500	646	653	706	780	743	852	849	803	
	Dec	515	681	650	735	782	804	836	862	855	
Sweden	Average	N.A.	533	490	478	529	512	481	512	450	
	Jan	N.A.	603	521	511	565	616	481	600	508	434
	Feb	N.A.	555	415	547	530	600	569	692	516	430
	Mar	N.A.	540	427	479	539	545	508	497	461	427
	Apr	N.A.	506	441	532	450	499	486	472	461	385
	May	N.A.	524	495	392	395	466	431	515	406	324
	Jun	N.A.	420	464	511	410	410	402	481	365	427
	Jul	N.A.	387	423	362	382	388	334	425	386	258
	Aug	N.A.	455	463	459	483	456	440	486	402	
	Sep	N.A.	492	516	503	571	497	458	399	548	
	Oct	N.A.	656	553	462	585	492	523	485	413	
	Nov	N.A.	645	568	446	697	546	581	515	441	
	Dec	N.A.	618	581	538	740	590	565	568	499	
United Kingdom	Average	1,949	1,958	1,829	1,633	1,601	1,655	1,683	1,690	1,422	
	Jan	2,121	2,278	2,013	1,981	1,679	1,830	1,824	1,883	1,770	1,396
	Feb	2,401	2,277	2,094	1,907	1,932	1,844	1,900	2,067	1,621	1,464
	Mar	2,249	2,235	2,099	1,731	1,879	1,818	1,842	1,949	1,585	1,428
	Apr	2,027	2,005	1,869	1,826	1,716	1,671	1,792	1,703	1,470	1,290
	May	1,851	1,909	1,678	1,482	1,417	1,546	1,621	1,648	1,348	1,191
	Jun	1,745	1,670	1,521	1,416	1,416	1,454	1,499	1,517	1,286	1,207
	Jul	1,519	1,611	1,508	1,322	1,346	1,300	1,401	1,435	1,217	1,169
	Aug	1,527	1,590	1,490	1,208	1,276	1,349	1,447	1,488	1,120	1,127
	Sep	1,703	1,700	1,637	1,501	1,477	1,555	1,557	1,520	1,268	1,270
	Oct	1,959	2,116	2,017	1,707	1,544	1,545	1,676	1,652	1,429	
	Nov	2,194	2,223	2,075	1,723	1,750	1,912	1,802	1,858	1,443	
	Dec	2,132	1,876	1,952	1,821	1,869	1,890	1,846	1,606	1,477	

Selected OECD Countries: Trends in Inland Oil Consumption <sup>a</sup>  
(Continued)

		Thousand b/d									
		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
West Germany	Average	2,521	2,693	2,408	2,319	2,507	2,478	2,596	2,664	2,356	
	Jan	2,545	2,868	2,556	2,183	2,464	2,393	2,461	2,893	2,685	2,226
	Feb	2,803	2,850	1,969	2,455	2,497	2,446	3,014	2,708	2,407	2,510
	Mar	2,525	2,707	2,173	2,234	2,747	2,523	2,610	2,592	2,425	2,097
	Apr	2,347	2,809	2,539	2,431	2,339	2,431	2,577	2,590	2,678	1,821
	May	2,335	2,546	2,403	2,253	2,320	2,364	2,341	2,641	2,225	1,880
	Jun	2,632	2,674	2,414	2,106	2,393	2,475	2,611	2,613	2,217	2,157
	Jul	2,188	2,196	2,548	2,319	2,624	2,382	2,693	2,626	2,421	
	Aug	2,444	2,738	2,476	2,360	2,515	2,469	2,338	2,617	2,153	
	Sep	2,487	2,618	2,473	2,309	2,521	2,567	2,561	2,597	2,538	
	Oct	2,522	2,969	2,613	2,328	2,391	2,324	2,633	2,846	2,231	
	Nov	2,667	2,883	2,432	2,361	2,700	2,649	2,772	2,763	2,106	
	Dec	2,783	2,481	2,261	2,502	2,571	2,719	2,578	2,489	2,186	
Australia	Average	...	...	...	...	483	510	514	525	504	
	Jan	...	...	...	...	411	447	436	497	533	450
	Feb	...	...	...	...	459	491	494	529	468	513
	Mar	...	...	...	...	463	476	495	493	507	480
	Apr	...	...	...	...	467	462	465	493	471	481
	May	...	...	...	...	479	547	559	494	498	485
	Jun	...	...	...	...	526	575	565	522	531	537
	Jul	...	...	...	...	503	502	527	577	533	516
	Aug	...	...	...	...	516	550	585	533	486	488
	Sep	...	...	...	...	530	583	571	549	517	
	Oct	...	...	...	...	459	470	476	506	508	
	Nov	...	...	...	...	484	512	523	521	483	
	Dec	...	...	...	...	510	511	478	490	506	

<sup>a</sup> Except for the United States, measured as sales of refined petroleum products. Monthly data may not add to yearly averages because monthly revisions may not be available.

<sup>b</sup> Including bunkers, refinery fuel, and losses.

<sup>c</sup> Principal products only.

## Selected OECD Countries: Oil Stocks

Thousand Barrels, End of Month

	United States <sup>a</sup>	Japan <sup>b</sup>	Canada	Belgium	Denmark	France	Ireland	Italy
1973 Sep	1,057,911 <sup>c</sup>	322,000	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1975 Mar	1,076,360	314,000	N.A.	45,968	34,770	N.A.	7,636	136,890
Jun	1,071,150	335,000	N.A.	44,983	34,887	N.A.	7,899	142,335
Sep	1,147,338	354,000	N.A.	51,644	44,333	254,296	7,716	152,490
Dec	1,111,810	348,000	N.A.	51,538	43,836	222,051	6,293	142,153
1976 <sup>d</sup> Mar	1,060,489	314,000	145,249	42,340	36,281	191,245	5,913	117,260
Jun	1,093,550	347,000	158,304	47,187	35,033	202,684	6,563	132,882
Sep	1,191,450	387,000	157,670	48,165	42,033	239,265	6,570	141,496
Dec	1,111,810	377,000	149,784	40,077	41,296	231,133	6,008	140,773
1977 Mar	1,086,822	349,000	140,220	41,508	36,354	209,868	5,869	135,692
Jun	1,195,088	385,000	157,560	49,589	39,456	201,130	7,066	162,381
Sep	1,303,369	402,000	162,140	57,371	46,340	225,592	6,979	163,958
Dec	1,311,900	407,000	163,804	51,618	46,107	234,629	7,877	159,972
1978 Mar	1,167,810	383,000	144,824	42,961	39,259	194,640	7,906	135,692
Jun	1,185,124	396,000	148,534	42,756	40,610	187,632	7,563	142,240
Sep	1,262,932	392,000	152,811	43,121	45,698	213,715	8,183	157,795
Dec	1,277,619	411,000	141,524	43,508	47,056	198,166	8,212	150,164
1979 Mar	1,142,427	380,000	129,626	36,989	38,478	184,347	7,964	135,481
Jun	1,209,747	392,000	139,445	45,333	36,522	199,239	8,140	147,226
Sep	1,308,802	437,000	147,305	42,209	46,647	229,293	8,366	165,739
Dec	1,340,862	461,000	146,630	48,370	44,150	222,066	8,497	173,426
1980 Mar	1,341,855	429,000	145,087	53,589	42,632	237,965	8,629	154,526
Jun	1,410,388	473,000	160,943	50,815	43,953	240,060	9,264	168,462
Sep	1,446,519	509,000	177,088	54,889	43,574	269,326	9,548	196,392
Dec	1,395,259	498,000	160,211	56,487	42,756	239,265	8,753	169,462
1981 Mar	1,405,496	448,000	154,296	50,866	40,077	215,328	8,979	156,388
Jun	1,457,400	492,000	170,425	N.A.	40,216	213,854	7,928	171,185
Jul	1,460,000	491,000	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Aug	1,442,800	481,000	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Sep	1,447,000	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oct	1,451,660	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

  

	Luxembourg	Netherlands	Norway	Portugal	Spain	Switzerland	Turkey	United Kingdom	West Germany
1973 Sep	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1975 Mar	569	82,724	12,534	N.A.	61,393	27,638	9,636	N.A.	148,832
Jun	504	82,738	11,921	N.A.	58,845	28,368	10,957	N.A.	151,424
Sep	548	83,614	13,563	6,541	61,743	30,332	11,271	N.A.	170,083
Dec	511	80,059	13,702	5,876	59,181	30,565	6,979	N.A.	184,004
1976 Mar	438	71,336	16,958	8,556	57,874	28,360	10,424	145,555	165,783
Jun	584	71,744	18,980	7,680	66,211	29,375	10,103	156,417	172,244
Sep	584	84,315	17,162	7,008	68,240	30,580	9,870	163,323	190,815
Dec	606	80,190	17,454	9,176	66,897	32,230	11,680	163,111	204,787
1977 Mar	650	75,438	14,133	8,745	77,760	32,018	8,475	146,518	203,342
Jun	620	83,388	15,936	9,629	81,694	34,500	14,089	155,884	201,677
Sep	606	86,819	17,009	9,132	77,701	35,222	10,614	157,768	216,971
Dec	650	79,935	18,805	11,147	77,833	35,573	N.A.	145,985	230,877
1978 Mar	657	68,094	15,651	8,198	67,759	34,522	N.A.	148,161	211,518
Jun	591	69,007	15,739	10,585	76,650	34,536	N.A.	151,395	213,861
Sep	496	63,386	18,965	11,176	80,344	36,157	N.A.	152,139	227,395
Dec	664	76,388	16,549	6,701	74,467	36,945	N.A.	155,359	235,608
1979 Mar	599	61,583	15,096	11,498	71,299	37,558	N.A.	137,422	228,738
Jun	628	70,343	16,279	13,600	71,533	37,931	N.A.	148,497	243,353
Sep	745	81,796	16,337	12,598	84,381	39,055	8,475	167,564	265,735
Dec	810	85,505	16,191	10,979	77,351	39,960	5,950	166,834	268,604
1980 Mar	796	96,462	16,345	13,972	81,205	38,902	8,694	159,585	291,657
Jun	781	101,850	19,549	19,119	90,936	38,683	9,402	170,689	304,446
Sep	781	109,814	21,258	18,987	101,266	39,668	9,731	170,243	298,585
Dec	854	110,332	19,053	23,053	76,665	41,449	8,519	165,812	314,499
1981 Mar	891	2,396	19,447	N.A.	85,381	40,048	12,958	160,133	311,009
Jun	847	118,961	19,834	N.A.	98,484	39,384	11,534	155,556	306,235

<sup>a</sup> US stocks include Strategic Petroleum Reserves (SPR). According to DOE, the SPR held approximately 215.0 million barrels as of 31 October 1981.

<sup>b</sup> Japanese stocks include government-owned strategic stockpiles estimated at about 52.6 million barrels as of August 1981.

<sup>c</sup> Estimated.

<sup>d</sup> As of January 1977, US Bureau of Mines changed the reporting of crude oil stocks to include foreign crude oil not yet received at refineries. Figures beginning in 1976 have been computed on the new basis.

## Western Europe: Oil Spot Market Prices

US \$ per Barrel

	F.O.B. Rotterdam <sup>a</sup>				F.O.B. Italy <sup>b</sup>			
	Heavy Fuel Oil		Gas Oil	Gasoline (Premium)	Heavy Fuel Oil		Gas Oil	Gasoline (Premium)
	1% Sulfur	3.5% Sulfur			1% Sulfur	3.5% Sulfur		
1975								
1st Qtr	11.97	10.49	11.18	14.20	10.57	10.24	11.10	13.23
2d Qtr	10.61	9.68	12.90	15.95	10.40	10.16	12.24	15.28
3d Qtr	9.33	8.62	14.40	15.02	8.81	8.30	13.87	14.64
4th Qtr	9.53	8.33	14.84	15.85	8.99	8.38	14.56	15.24
1976								
1st Qtr	10.39	9.84	13.79	17.10	9.95	9.65	13.59	16.48
2d Qtr	10.40	9.56	14.08	19.24	10.18	9.73	13.90	18.30
3d Qtr	11.06	9.99	14.40	18.02	10.34	10.06	14.19	17.37
4th Qtr	12.07	10.76	14.57	17.44	11.64	10.85	14.48	16.83
1977								
1st Qtr	13.25	11.71	15.80	16.82	13.53	12.06	15.89	16.56
2d Qtr	12.51	10.77	15.74	17.26	12.25	10.88	15.71	16.48
3d Qtr	12.47	11.33	15.67	16.60	12.42	11.29	15.70	15.87
4th Qtr	12.76	11.68	15.94	16.44	12.21	11.63	15.71	15.44
1978								
1st Qtr	12.89	11.44	16.15	16.87	12.05	11.38	16.18	15.73
2d Qtr	12.72	11.07	16.44	17.95	11.93	10.77	16.33	16.99
3d Qtr	11.83	10.80	16.55	21.02	11.38	10.28	16.56	19.49
4th Qtr	14.45	11.90	19.55	25.00	13.39	11.55	19.47	22.65
1979								
1st Qtr	18.13	14.64	32.59	33.22	16.48	13.99	32.44	31.20
2d Qtr	21.12	18.96	42.27	42.58	20.14	18.18	41.22	41.69
3d Qtr	23.57	20.92	44.24	42.54	22.89	20.88	43.29	40.66
4th Qtr	28.27	25.36	46.47	45.93	27.33	25.21	47.02	45.35
1980								
1st Qtr	28.13	22.59	42.24	45.96	26.68	23.78	43.24	44.35
2d Qtr	27.72	23.36	42.35	44.18	26.70	23.90	42.00	42.02
3d Qtr	27.63	23.11	38.46	40.54	26.56	23.39	37.79	38.35
4th Qtr	33.95	32.71	41.13	44.41	33.66	33.20	41.82	42.88
1981								
1st Qtr	35.94	31.91	40.79	43.87	34.90	32.86	41.26	41.70
2d Qtr	31.91	27.54	37.17	42.56	29.95	27.50	37.83	41.21
3d Qtr	28.89	24.50	39.13	45.70	27.28	24.34	38.38	43.87
Oct	31.16	25.50	41.53	45.28	28.60	24.59	40.96	43.25

<sup>a</sup> Barge lot—minimum 3,500 barrels.<sup>b</sup> Cargo lot—minimum 130,000 barrels.

**Selected Developed Countries: Retail Petroleum Product Prices**  
US Cents per US Gallon

	Regular Gasoline		Premium Gasoline		Diesel Fuel	
	Price <sup>a</sup>	Tax	Price <sup>a</sup>	Tax	Price <sup>a</sup>	Tax
<b>United States</b>						
1973 Oct	40	12	44	12	23	13
1977 Jan	60	12	65	12	50	13
1978 Jan	62	13	68	13	54	14
1979 Jan	68	13	75	13	57	14
1980 Jan	109	14	115	14	97	15
Dec	120	14	131	14	107	15
1981 Jan	124	14	134	14	116	15
Jun	132	14	145	14	107	15
Aug	131	14	144	14	NA	15
<b>France <sup>b</sup></b>						
1973 Oct	94	64	102	68	65	39
1977 Jan	158	96	170	102	105	51
1978 Jan	165	100	179	107	108	54
1979 Jan	192	132	207	141	134	77
1980 Jan	231	138	247	147	167	83
Dec	260	142	275	151	198	88
1981 Jan	260	142	275	151	198	87
Jun	280	145	296	154	219	90
Aug	295	151	311	160	230	96
<b>Italy <sup>b</sup></b>						
1973 Oct	65	49	68	50	35	22
1977 Jan	177	127	184	132	62	25
1978 Jan	177	128	184	132	60	17
1979 Jan	177	128	184	132	63	17
1980 Jan	234	150	241	154	107	22
Dec	300	201	313	203	124	24
1981 Jan	300	192	313	194	129	23
Jun	319	195	332	197	147	25
Aug	330	195	343	197	150	25
<b>United Kingdom</b>						
1973 Oct	65	41	68	41	65	41
1977 Jan	144	71	148	71	142	66
1978 Jan	138	70	141	71	154	76
1979 Jan	144	71	147	71	155	76
1980 Jan	224	97	227	99	237	108
Dec	235	114	237	114	251	116
1981 Jan	235	114	237	114	251	116
Jun	274	151	278	151	292	153
Aug	306	155	310	156	281	136
<b>West Germany</b>						
1973 Oct	125	91	140	92	126	86
1977 Jan	156	94	165	94	158	89
1978 Jan	157	94	167	96	157	89
1979 Jan	164	96	173	96	162	91
1980 Jan	189	100	197	101	191	96
Dec	220	103	229	103	210	98
1981 Jan	220	103	229	103	210	98
Jun	261	121	270	121	236	107
Aug	261	121	270	121	236	107

NOTE: Converted at 27 February 1981 exchange rates.

<sup>a</sup> Including tax.<sup>b</sup> Government price ceilings in effect.

**OPEC: Crude Oil Official Sales Price <sup>a</sup>**

US \$ per barrel

	1977	1978	1979	1980	1981							
					Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
<b>OPEC average <sup>b</sup></b>	12.88	12.93	18.67	30.87	34.74	34.61	34.56	34.14	34.00	34.06	34.55	34.42
<b>Saudi Arabia</b>												
Light 34° API 1.70% sulfur	12.40	12.70	17.26	28.67	32.00	32.00	32.00	32.00	32.00	32.00	34.00	34.00
Berri 39° API 1.16% sulfur	12.85	13.22	19.33	30.19	33.52	33.52	33.52	33.52	33.52	33.52	35.60	35.60
Heavy 27° API 2.85% sulfur	11.70	12.02	16.41	27.67	31.00	31.00	31.00	31.00	31.00	31.00	31.50	31.50
Medium 31° API 2.40% sulfur	12.01	12.32	16.79	28.12	31.45	31.45	31.45	31.45	31.45	31.45	33.00	33.00
<b>Iran</b>												
Light 34° API 1.35% sulfur	12.81	12.81	19.45	34.54	37.00	37.00	37.00	37.00	37.00	37.00	37.00	34.60
Heavy 31° API 1.60% sulfur	12.49	12.49	18.49	33.60	36.00	36.00	36.00	36.00	36.00	36.00	36.00	33.40
<b>Iraq <sup>c</sup></b> 35° API 1.95% sulfur	12.61	12.62	18.56	30.30	37.50	37.50	36.93	36.93	36.93	36.93	34.93	35.11
<b>Nigeria</b> 34° API 0.16% sulfur	14.45	14.07	20.86	35.50	39.92	39.92	39.92	39.92	39.15	35.92	34.42	36.42
<b>UAE</b> 39° API 0.75% sulfur	12.88	13.26	19.81	31.57	36.56	36.56	36.56	36.56	36.56	36.56	36.56	35.70
<b>Kuwait</b> 31° API 2.50% sulfur	12.37	12.26	18.48	29.84	35.50	35.50	35.50	35.50	35.50	35.50	35.50	33.00
<b>Libya</b> 40° API 0.22% sulfur	14.06	13.89	21.16	36.07	41.00	41.00	41.00	40.00	40.00	40.00	40.00	37.50
<b>Venezuela</b> 26° API 1.52% sulfur	12.75	12.75	17.22	28.44	32.88	32.88	32.88	32.88	32.88	32.88	32.88	32.88
<b>Indonesia</b> 35° API 0.09% sulfur	13.55	13.55	18.35	30.55	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
<b>Algeria</b> 42° API 0.10% sulfur	14.37	14.14	19.65	37.59	40.00	40.00	40.00	40.00	40.00	40.00	40.00	37.50
<b>Qatar</b> 40° API 1.17% sulfur	13.19	13.19	19.72	31.76	37.42	37.42	37.42	37.42	37.42	37.42	37.42	35.65
<b>Gabon</b> 29° API 1.26 % sulfur	12.80	12.80	18.20	31.09	35.00	35.00	35.00	35.00	35.00	35.00	35.00	34.00
<b>Ecuador</b> 28° API 0.93% sulfur	12.90	12.33	22.41	34.42	36.33	34.50	32.50	32.50	32.50	32.50	30.90	33.15

<sup>a</sup> F.o.b. prices set by the government for direct sales and, in most cases, for the producing company buy-back oil.<sup>b</sup> Weighted by the volume of production.<sup>c</sup> Beginning in 1981 the price of Kirkuk (Mediterranean) is used in calculating the OPEC average official sales price.



Non-Communist Countries: Natural Gas Production <sup>a</sup>

	Billion Cubic Feet							
	1973	1974	1975	1976	1977	1978	1979 <sup>b</sup>	1980 <sup>b</sup>
<b>Total</b>	<b>35,115</b>	<b>34,990</b>	<b>34,110</b>	<b>34,675</b>	<b>35,530</b>	<b>36,025</b>	<b>38,625</b>	<b>39,130</b>
<b>Western hemisphere</b>	<b>27,390</b>	<b>26,310</b>	<b>24,890</b>	<b>24,805</b>	<b>25,125</b>	<b>25,105</b>	<b>26,055</b>	<b>26,225</b>
United States	22,650	21,600	20,110	19,950	20,025	19,975	20,470	20,075
Canada	3,125	3,045	3,090	3,095	3,230	3,130	3,345	3,080
Mexico	540	560	585	580	600	745	920	1,665
Argentina	240	255	280	290	305	295	295	330
Chile	145	130	120	140	135	125	125	125
Venezuela	460	475	450	480	525	510	575	520
Other	230	245	255	270	305	325	325	430
<b>Eastern hemisphere</b>	<b>7,725</b>	<b>8,680</b>	<b>9,220</b>	<b>9,870</b>	<b>10,405</b>	<b>10,920</b>	<b>12,570</b>	<b>12,905</b>
<b>Western Europe</b>	<b>5,090</b>	<b>5,780</b>	<b>6,045</b>	<b>6,335</b>	<b>6,525</b>	<b>6,565</b>	<b>7,220</b>	<b>7,030</b>
France	260	270	260	250	270	280	275	265
Italy	540	540	515	555	455	465	455	425
Netherlands	2,640	3,120	3,385	3,615	3,610	3,310	3,490	3,400
Norway	...	...	10	10	90	450	905	885
United Kingdom	1,020	1,230	1,275	1,315	1,435	1,350	1,365	1,285
West Germany	550	540	515	515	580	625	630	670
Other	80	80	85	75	85	85	100	100
<b>Middle East</b>	<b>1,265</b>	<b>1,420</b>	<b>1,435</b>	<b>1,475</b>	<b>1,590</b>	<b>1,655</b>	<b>1,850</b>	<b>1,980</b>
Iran	695	785	770	760	740	685	705	685
Kuwait	185	185	185	195	210	220	305	305
Saudi Arabia	160	220	200	240	285	355	415	565
Other	225	230	280	280	355	415	425	425
<b>Africa</b>	<b>590</b>	<b>595</b>	<b>760</b>	<b>890</b>	<b>920</b>	<b>1,115</b>	<b>1,680</b>	<b>1,725</b>
Algeria	170	200	335	350	305	490	915	900
Libya <sup>c</sup>	385	345	385	485	555	560	665	625
Other	35	50	40	55	60	65	100	200
<b>Asia Pacific</b>	<b>780</b>	<b>885</b>	<b>980</b>	<b>1,170</b>	<b>1,370</b>	<b>1,585</b>	<b>1,820</b>	<b>2,170</b>
Australia	145	160	175	210	240	255	285	340
Brunei	100	175	215	300	315	310	315	315
Indonesia	30	40	80	85	200	385	555	815
Japan	90	90	85	90	100	95	85	80
Pakistan	155	175	165	185	180	195	235	275
Other	260	245	260	300	335	345	345	345

<sup>a</sup> Marketed production. Excluding gas vented, flared, or reinjected. Data have not been adjusted for shrinkage due to extraction of natural gas liquids.

<sup>b</sup> Preliminary.

<sup>c</sup> Includes gas reinjected, if any.

Non-Communist Countries: Nuclear Electricity Generation <sup>a</sup>

	Million kWh								
	1973	1978	1979	1980	1981				
					1st Half	3d Qtr	Aug	Sep	Oct
<b>Total</b>	<b>188,348</b>	<b>550,437</b>	<b>568,821</b>	<b>617,854</b>	<b>358,808</b>	<b>182,921</b>	<b>63,409</b>	<b>58,533</b>	<b>55,681</b>
<b>OECD</b>	<b>185,954</b>	<b>540,054</b>	<b>553,686</b>	<b>600,876</b>	<b>350,128</b>	<b>177,784</b>	<b>61,723</b>	<b>56,910</b>	<b>53,679</b>
United States	87,440	292,664	270,718	265,236	136,461	77,612	27,832	25,116	21,527
Canada	18,273	32,925	38,383	40,372	20,981	11,258	3,962	3,302	3,439
Japan	9,439	50,861	62,003	81,028	45,800	22,294	8,111	5,923	5,055
Finland	0	3,179	6,671	6,980	6,849	3,664	1,387	1,476	1,437
Spain	6,545	7,649	6,700	5,185	3,951	2,925	1,020	633	1,243
Sweden	2,111	23,781	21,039	26,727	19,724	7,029	2,571	3,010	3,264
Switzerland	6,192	8,349	11,848	14,347	7,892	2,867	1,005	1,277	1,490
<b>European Community</b>	<b>55,954</b>	<b>120,646</b>	<b>136,324</b>	<b>161,001</b>	<b>108,470</b>	<b>50,135</b>	<b>15,835</b>	<b>16,173</b>	<b>16,224</b>
Belgium	0	12,490	11,370	12,488	5,831	3,453	1,226	950	981
France	11,217	30,547	39,920	61,236	52,190	24,596	7,696	8,459	8,124
Italy	3,142	4,429	2,627	2,210	1,516	550	115	108	108
Netherlands	1,038	4,060	3,489	4,200	1,475	1,101	370	358	380
United Kingdom	27,996	36,642	38,568	37,192	20,109	8,106	2,543	3,064	2,654
West Germany	12,561	32,478	40,350	43,675	27,349	12,329	3,885	3,234	3,977
<b>Other Countries</b>									
Argentina	0	2,896	2,692	2,340	1,405	744	238	253	196
India	1,936	2,264	2,927	2,878	1,557	727	227	223	233
Pakistan	458	229	35	84	66	74	18	26	31
South Korea	0	2,324	3,152	3,477	807	1,106	361	326	315
Taiwan	0	2,670	6,329	8,199	4,845	2,486	842	795	1,227

<sup>a</sup> Data are for gross electrical generation. Net figures are generally less than gross figures by about 5 percent, which include the energy consumed by the generating plants. Monthly data may not add to quarterly data, because monthly revisions may not be available.

USSR: Crude Oil Production <sup>a</sup>

	Million b/d
1970	7.06
1971	7.54
1972	8.01
1973	8.58
1974	9.18
1975	9.82
1976	10.39
1977	10.92
1978	11.43
1979	11.71
1980	12.03
1981	
1st Qtr	12.15
2d Qtr	12.14
3d Qtr	12.19
Oct	12.20

<sup>a</sup> Including natural gas liquids.USSR: Regional Production of Crude Oil <sup>a</sup>

	Million b/d										
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980 <sup>b</sup>
	7.06	7.54	8.01	8.58	9.18	9.82	10.39	10.92	11.43	11.71	12.03
Urals-Volga	4.17	4.23	4.32	4.43	4.46	4.52	4.51	4.42	4.29	4.03	3.82
West Siberia	0.63	0.90	1.25	1.75	2.33	2.96	3.63	4.37	5.08	5.66	6.25
Central Asia	0.60	0.68	0.73	0.78	0.80	0.83	0.80	0.71	0.63	0.60	0.57
Azerbaydzhan SSR	0.40	0.38	0.37	0.36	0.35	0.34	0.33	0.31	0.30	0.29	0.28
North Caucasus	0.70	0.74	0.71	0.61	0.56	0.47	0.44	0.44	0.43	0.42	0.40
Ukrainian SSR	0.28	0.29	0.29	0.28	0.27	0.26	0.23	0.21	0.19	0.17	0.16
Komi ASSR	0.15	0.16	0.17	0.18	0.20	0.22	0.26	0.29	0.34	0.38	0.37
Belorussia SSR & Baltic	0.08	0.11	0.12	0.14	0.16	0.16	0.12	0.10	0.08	0.06	0.06
Far East	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.06
Georgian SSR	Negl.	Negl.	Negl.	Negl.	Negl.	0.01	0.02	0.03	0.05	0.05	0.06

<sup>a</sup> Including natural gas liquids.<sup>b</sup> Preliminary.

## USSR: Imports of Oil

	Thousand b/d									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Total	90	130	180	290	110	150	128	120	160	140
Middle East										
Egypt	40	40	20	4	3	5	3	0	0	0
Iraq	...	...	80	220	78	108	116	110	126	70
Other	50	90	80	66	29	37	9	10	34	70

## USSR: Exports of Oil

	Thousand b/d								
	1971	1972	1973	1974	1975	1976	1977	1978	1979
<b>Total<sup>a b c</sup></b>	<b>2,110</b>	<b>2,140</b>	<b>2,380</b>	<b>2,340</b>	<b>2,600</b>	<b>2,970</b>	<b>3,130</b>	<b>3,300</b>	<b>3,280</b>
<b>Other Communist countries<sup>a b</sup></b>	<b>1,110</b>	<b>1,200</b>	<b>1,350</b>	<b>1,440</b>	<b>1,550</b>	<b>1,680</b>	<b>1,740</b>	<b>1,835</b>	<b>N.A.</b>
Eastern Europe	895	975	1,100	1,180	1,260	1,370	1,420	1,490	1,559
Asia	25	20	20	30	40	40	40	50	N.A.
Cuba	130	140	150	155	160	175	180	190	N.A.
Yugoslavia	60	65	80	75	90	95	100	105	106
<b>Free World countries<sup>a b</sup></b>	<b>1,000</b>	<b>940</b>	<b>1,030</b>	<b>900</b>	<b>1,050</b>	<b>1,290</b>	<b>1,390</b>	<b>1,465</b>	<b>N.A.</b>
of which:									
North America <sup>c</sup>	...	2	8	8	9	6	19	10	1
Canada	...	...	...	3	5	3	5	...	...
United States	...	2	8	5	4	3	14	10	1
Western Europe <sup>d</sup>	678	696	704	574	676	930	1,072	1,116	1,071
of which:									
Finland	171	176	187	188	138	197	212	195	205
France	75	66	95	23	57	72	95	104	128
Italy	181	182	163	113	123	206	183	172	135
Netherlands <sup>e</sup>	16	28	29	32	45	43	40	53	61
Sweden	101	92	75	67	90	76	71	86	86
West Germany	113	118	116	132	148	175	154	178	182
Middle East <sup>a b</sup>	60	50	30	30	45	56	70	55	N.A.
of which:									
Egypt	32	30	7	4	5	5	4	Negl.	...
Greece	20	18	16	20	38	40	60	47	16
Africa <sup>a b</sup>	30	35	35	23	20	23	20	20	N.A.
of which:									
Ghana	12	13	12	6	3	5	5	5	...
Morocco	17	19	19	13	13	13	12	12	N.A.
Asia <sup>a b</sup>	80	30	55	52	60	65	70	90	N.A.
of which									
India <sup>a b</sup>	10	8	10	20	25	22	48	60	74
Japan <sup>c</sup>	27	21	41	24	16	19	16	14	16
Latin America <sup>a b</sup>	...	...	...	25	30	21	20	20	N.A.
Brazil	...	...	...	25	30	21	20	20	...

<sup>a</sup> Data for 1971-1976 are from official Soviet statistics.

<sup>b</sup> Data for 1977 and 1978 are based on official Soviet data and/or collateral.

<sup>c</sup> On a gross basis.

<sup>d</sup> Data for 1971-1979 are based on partner country data.

<sup>e</sup> Excluding Rotterdam spot sales.

## USSR: Oil Consumption

	Million b/d
1970	5.15
1971	5.46
1972	5.92
1973	6.33
1974	6.79
1975	7.20
1976	7.55
1977	7.9
1978	8.3
1979	8.6
1980 <sup>a</sup>	9.0

<sup>a</sup> Preliminary.

USSR: Natural Gas Production <sup>a</sup>

	Billion ft <sup>3</sup> /d
1970	19.2
1971	20.5
1972	21.4
1973	22.9
1974	25.2
1975	28.0
1976	31.1
1977	33.5
1978	36.0
1979	39.4
1980	42.1
1981	
1st Qtr	46.0
2d Qtr	41.0
3d Qtr	38.0
Oct	40.5

<sup>a</sup> To convert to m<sup>3</sup>/d multiply data by 0.028316847.

USSR: Regional Production of Natural Gas <sup>a</sup>

	Billion ft <sup>3</sup> /d								
	1972	1973	1974	1975	1976 <sup>b</sup>	1977 <sup>c</sup>	1978 <sup>c</sup>	1979 <sup>c</sup>	1980 <sup>c</sup>
<b>Total</b>	<b>21.4</b>	<b>22.9</b>	<b>25.2</b>	<b>28.0</b>	<b>31.1</b>	<b>33.5</b>	<b>36.0</b>	<b>39.4</b>	<b>42.0</b>
Central Asia & Kazakhstan	5.7	6.9	8.0	9.2	10.3	10.6	10.7	10.7	11.0
Ukrainian SSR	6.5	6.6	6.6	6.6	6.5	6.3	6.1	5.8	5.4
North Caucasus	2.9	2.5	2.4	2.3	2.3	2.2	2.1	2.0	1.8
West Siberia	1.1	1.6	2.4	3.6	4.3	6.9	9.3	12.1	15.1
Komi ASSR	1.3	1.3	1.6	1.8	2.0	2.0	1.8	1.8	1.7
Azerbaijdzhan SSR	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.2	1.2
Urals-Volga and other producing regions in the RSFSR	3.2	3.2	3.3	3.5	4.6	4.3	4.8	5.8	5.8

<sup>a</sup> To convert to m<sup>3</sup>/d multiply data by 0.028316847.

<sup>b</sup> Revised.

<sup>c</sup> Preliminary.

USSR: Natural Gas Trade <sup>a</sup>

	Billion ft <sup>3</sup> /d								
	1972	1973	1974	1975	1976	1977 <sup>b</sup>	1978 <sup>c</sup>	1979 <sup>c</sup>	1980 <sup>c</sup>
<b>Exports</b>	<b>0.5</b>	<b>0.7</b>	<b>1.4</b>	<b>1.9</b>	<b>2.5</b>	<b>3.2</b>	<b>3.6</b>	<b>4.7</b>	<b>5.4</b>
Eastern Europe	0.3	0.5	0.8	1.1	1.2	1.7	1.8	2.5	3.2
Bulgaria	...	...	Negl.	0.1	0.2	0.3	0.3	0.4	0.6
Czechoslovakia	0.2	0.2	0.3	0.4	0.4	0.7	0.7	0.9	0.9
East Germany	...	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.6
Hungary	...	...	...	0.1	0.1	0.1	0.1	0.3	0.4
Poland	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5
Romania	...	...	...	...	...	...	...	0.1	0.1
Yugoslavia	...	...	...	...	...	...	...	0	0.1
Western Europe	0.2	0.2	0.5	0.8	1.3	1.5	1.8	2.2	2.2
Austria	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3
Finland	...	...	Negl.	0.1	0.1	0.1	0.1	0.1	0.1
France	...	...	...	...	0.1	0.2	0.2	0.3	0.4
Italy	...	...	0.1	0.2	0.4	0.5	0.5	0.8	0.6
West Germany	...	Negl.	0.2	0.3	0.4	0.5	0.7	0.7	0.8
<b>Imports</b>	<b>1.1</b>	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>1.3</b>	<b>0.9</b>	<b>0.2</b>	<b>0.2</b>
Afghanistan	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2
Iran	0.8	0.8	0.9	0.9	0.9	1.0	0.7	N.A.	N.A.

<sup>a</sup> To convert to m<sup>3</sup>/d multiply data by 0.028316847.

<sup>b</sup> Revised.

<sup>c</sup> Estimated.

USSR: Consumption of Natural Gas <sup>a</sup>

	Billion ft <sup>3</sup> /d
1970	19.2
1971	20.9
1972	21.9
1973	23.3
1974	25.0
1975	27.3
1976	29.6
1977	31.6
1978	33.4
1979	35.4 <sup>b</sup>
1980	36.9 <sup>b</sup>

<sup>a</sup> To convert to m<sup>3</sup>/d multiply data by 0.028316847.

<sup>b</sup> Preliminary

## Eastern Europe: Oil Production and Consumption

	Thousand b/d									
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
<b>Production</b>	<b>393</b>	<b>404</b>	<b>410</b>	<b>417</b>	<b>423</b>	<b>430</b>	<b>429</b>	<b>410</b>	<b>385</b>	<b>372</b>
Bulgaria	6	5	4	3	2	2	3	3	5	5
Czechoslovakia	4	4	3	3	3	3	2	2	2	2
East Germany	1	1	1	1	1	1	1	1	1	1
Hungary	39	40	40	40	40	43	44	44	41	41
Poland	8	7	8	11	11	9	7	7	7	7
Romania	276	283	286	290	292	294	293	274	246	230
Yugoslavia	59	64	68	69	74	78	79	79	83	86
<b>Consumption <sup>a</sup></b>	<b>1,386</b>	<b>1,556</b>	<b>1,759</b>	<b>1,794</b>	<b>1,915</b>	<b>2,056</b>	<b>2,216</b>	<b>2,365</b>	<b>2,405</b>	<b>2,437</b>
Bulgaria	207	217	245	262	256	265	284	303	322	326
Czechoslovakia	236	256	300	314	326	353	383	385	387	391
East Germany	203	262	276	273	286	315	341	364	374	381
Hungary	143	162	178	187	217	227	228	246	234	214
Poland	190	213	266	260	308	322	359	371	388	390
Romania	238	251	274	263	283	319	348	394	395	410
Yugoslavia	169	195	220	235	239	255	273	302	305	325

<sup>a</sup> Crude oil equivalent. Because of rounding, components may not add to totals shown.

<sup>b</sup> Estimated.

## Eastern Europe: Oil Trade

	Thousand b/d									
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980 <sup>a</sup>
<b>Crude Oil<sup>b</sup></b>										
<b>Imports</b>	<b>1,009</b>	<b>1,202</b>	<b>1,369</b>	<b>1,422</b>	<b>1,551</b>	<b>1,735</b>	<b>1,857</b>	<b>2,019</b>	<b>2,323</b>	<b>2,347</b>
Bulgaria	151	166	193	213	209	217	235	253	317	331
Czechoslovakia	230	251	284	293	317	342	366	372	396	400
East Germany	218	297	321	329	340	361	381	398	418	420
Hungary	98	121	131	136	169	177	171	198	233	213
Poland	157	194	223	212	266	302	328	332	411	415
Romania	57	57	83	91	102	170	177	258	286	319
Yugoslavia	98	116	134	148	148	166	193	208	262	249
<b>Petroleum products</b>										
<b>Imports</b>	<b>155</b>	<b>162</b>	<b>180</b>	<b>180</b>	<b>173</b>	<b>170</b>	<b>196<sup>a</sup></b>	<b>215<sup>a</sup></b>	<b>206</b>	
Bulgaria	52	48	48	47	45	47	47 <sup>a</sup>	47 <sup>a</sup>	47	
Czechoslovakia	20	22	26	27	22	23	25	22	19	
East Germany	4	11	2	2	3	2	4	4	4	
Hungary	16	15	20	21	19	19	31	43	41	
Poland	46	47	62	61	64	65	67	69	69	
Yugoslavia	17	19	22	22	20	14	22	30	26	
<b>Exports</b>	<b>184</b>	<b>224</b>	<b>205</b>	<b>240</b>	<b>245</b>	<b>292</b>	<b>276<sup>a</sup></b>	<b>269</b>	<b>244</b>	
Czechoslovakia	18	21	13	10	15	14	11	11	11	
East Germany	20	47	48	59	58	49	45	39	40	
Hungary	10	14	13	10	11	12	18	10	8	
Poland	22	35	27	24	32	54	44	38	30	
Romania	108	103	109	132	125	159	137	153	140	
Yugoslavia	6	4	4	5	4	4	21 <sup>a</sup>	18	15	

<sup>a</sup> Estimated.<sup>b</sup> Crude oil exports are negligible.Eastern Europe: Natural Gas Production and Consumption<sup>a</sup>

	Billion ft <sup>3</sup> /d									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979 <sup>b</sup>
<b>Production</b>	<b>3.5</b>	<b>3.9</b>	<b>4.3</b>	<b>4.7</b>	<b>4.8</b>	<b>5.1</b>	<b>5.6</b>	<b>5.9</b>	<b>5.9</b>	<b>5.5</b>
Bulgaria	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.
Czechoslovakia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
East Germany	0.1	0.3	0.5	0.7	0.7	0.7	0.8	0.8	0.8 <sup>b</sup>	0.8
Hungary	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.6
Poland	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
Romania	2.3	2.5	2.6	2.7	2.8	3.1	3.3	3.4	3.4	3.1
Yugoslavia	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
<b>Consumption</b>	<b>3.8</b>	<b>4.2</b>	<b>4.6</b>	<b>5.2</b>	<b>5.7</b>	<b>6.2</b>	<b>7.1</b>	<b>7.4</b>	<b>7.3</b>	<b>7.9</b>
Bulgaria	Negl.	Negl.	Negl.	Negl.	Negl.	0.1	0.2	0.3	0.3	0.5
Czechoslovakia	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.8
East Germany	0.1	0.3	0.5	0.8	1.0	1.0	1.2	1.2	1.2	1.2
Hungary	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	1.0
Poland	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.1
Romania	2.3	2.5	2.6	2.7	2.8	3.0	3.3	3.4	3.2	3.1
Yugoslavia	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2

<sup>a</sup> To convert to m<sup>3</sup>/d, multiply data by 0.028316847.<sup>b</sup> Estimated.

Eastern Europe: Natural Gas Trade <sup>a</sup>

	Million ft <sup>3</sup> /d									
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979 <sup>b</sup>
<b>Imports</b>	<b>246.6</b>	<b>331.5</b>	<b>353.4</b>	<b>490.4</b>	<b>843.9</b>	<b>1,120.6</b>	<b>1,356.1</b>	<b>1,506.2</b>	<b>1,619.1</b>	<b>2,222.5</b>
Bulgaria	...	...	...	...	30.1	115.1	216.4	279.5	329.2	437.5
Czechoslovakia	131.5	161.6	189.0	230.1	315.1	369.9	449.3	499.8	554.0	710.6
East Germany	Negl.	5.5	Negl.	76.7	279.0	312.3	326.0	343.6	350.0	425.7
Hungary	19.2	19.2	19.2	19.2	19.2	79.5	117.8	116.4	119.5	263.4
Poland	95.9	145.2	145.2	164.4	205.5	243.8	246.6	266.9	266.4	385.3
<b>Exports</b>	<b>29.6</b>	<b>34.1</b>	<b>32.9</b>	<b>28.3</b>	<b>23.4</b>	<b>22.5</b>	<b>25.1</b>	<b>25.1</b>	<b>26.0</b>	<b>26.8</b>
Czechoslovakia	8.4	11.9	11.4	9.5	3.5	3.7	5.7	5.5	6.6	6.6
Romania	19.4	19.4	19.4	18.8	19.9	18.8	19.4	19.6	19.4	20.2
Yugoslavia	1.8	2.8	2.1	Negl.	...	...	...	...	...	...

<sup>a</sup> To convert to m<sup>3</sup>/d, multiply by 0.028316847.<sup>b</sup> Estimated.

## PRC: Crude Oil Production and Oil Exports

	Thousand b/d								
	1973	1974	1975	1976	1977	1978	1979	1980	1981
Crude Oil Production	1,138	1,364	1,542	1,736	1,874	2,082	2,122	2,118	2,000
Oil Exports <sup>a</sup>	38	111.8	209.8	192.6	225.9	260.0	320.0	305	...
Japan	20.6	79.3	158.5	124.0	134.9	160.0	172.0	161	166
Hong Kong	0.8	6.6	13.1	12.3	18.3	27.0	31.0	28	...
Philippines	...	2.1	8.3	11.3	16.9	23.0	20.0	18	18
Romania	...	...	4.7	9.1	9.8	20.0	20.0	20	...
Thailand	...	0.8	1.2	5.9	6.0	14.0	19.0	15	...
Other <sup>b</sup>	16.6	23.0	24.0	30.0	40.0	16.0	58.0	63	...

<sup>a</sup> Includes crude oil and petroleum products.<sup>b</sup> Includes data for North Korea, Vietnam, Brazil, United States, and Italy.