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International Energy Indicators

**U.S. Department
of Energy**
International Affairs
Office of Market Analysis

May 1981

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May 1981

**U.S. Department
of Energy**

International Affairs
Office of Market Analysis

Robert M. Weiss, Editor, 202-252-5893, 7A-029 Forrestal Building

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Table of Contents and Highlights

INTERNATIONAL

Page

World Crude Oil Production, 1974—

4

World crude oil production rose steadily from some 56 MMB/D in 1974 to 62.7 MMB/D in 1979, with the OPEC countries accounting for the bulk of the gain in most years. During 1980, total world production dropped to 59.4 MMB/D, and the level of OPEC production was lower than any year in the previous six-year period. In February 1981, OPEC production stood at 24.6 MMB/D.

OPEC Crude Oil Production Capacity

6

Total OPEC installed capacity is 41.35 MMB/D, its maximum sustainable capacity is 32.1 MMB/D, and its available capacity is 29.2 MMB/D. The graphic display breaks out Saudi Arabia, Iran and Iraq, other Persian Gulf producers, the African producers and the rest of OPEC, using the same capacity categories.

World Crude Oil and Refined Product Inventory Levels, 1975—

8

Revised estimates for U.S. stocks stood at 1.38 billion bbl and those of Japan at 488 million bbl for 4Q80. DOE/IA estimates that world stocks for 4Q80 were 5,270 billion bbl, including oil at sea.

Oil Consumption in OECD Countries, 1975—

10

Completely revised and expanded data for the United States, Canada, France, West Germany, United Kingdom, Italy, Japan, and total OECD show oil consumption in 3rd Quarter 1980 at 36 MMB/D.

USSR Crude Oil Production, 1975—

12

The graphic display shows the rate of change of USSR oil production, including natural gas liquids. For February, the rate rose slightly to 2.4 percent. Annual export figures include shipments to both Communist Bloc and Western countries.

Free World and U.S. Nuclear Electricity Generation, 1973 and Current Capacity

14

Free World nuclear electricity generation has increased steadily from 189 billion gross kilowatt-hours in 1973 to 618 billion gross kilowatt-hours in 1980. Current capacity is about 54,600 gross megawatts.

Note: Data on generation and current capacity are now broken down by country.

UNITED STATES

Page

U.S. Domestic Oil Supply, 1977—

16

Figures from 1977 through December 1980 show U.S. crude production, natural gas plant liquids, other hydrocarbons and processing gain, together with an overall total by month. The graphic display shows the declining trend in production for the Lower 48 states and South Alaska, and emphasizes the significance of Alaska's North Slope in keeping our crude output up.

U.S. Gross Imports of Crude Oil and Products, 1973—

18

In April, gross U.S. imports stood at 5.4 MMB/D. Crude oil imports (excluding SPR purchases) were 4.2 MMB/D and product imports were 1.2 MMB/D.

Landed Cost of Saudi Crude in Current and 1974 Dollars

20

According to data derived from information provided to DOE, preliminary figures show that the weighted landed cost of Saudi crude stood at \$34.34 per barrel in January. In 1974 dollars, the January price was \$19.47, representing a real increase between December 1974 and January 1981 of \$8.31 per barrel.

U.S. Coal Trade, 1975—

22

Figures have been revised to include bituminous, lignite and anthracite from 1978-81. Total exports for 1980 were 91.7 million short tons; imports were 1.2 million short tons.

U.S. Natural Gas Trade, 1975—

24

Natural gas imports include pipeline gas from Canada and Mexico and LNG from Algeria. The revised 1980 total imports were 994 billion cubic feet.

Summary of U.S. Merchandise Trade, 1977—

26

The merchandise trade deficit in February was about \$2.6 billion, down from \$5 billion in January. The deficit in energy dropped slightly to \$7.2 billion in February, down from \$7.4 billion in January.
Note: Data now being reported are not seasonally adjusted.

Energy/GNP Ratio, 1972 Dollars

28

Revised figures for 1973-1980 (quarterly) and from 1970 (annual) show constant decline, reflecting continuing improvements in energy efficiency.

NOTE: The International Energy Indicators are being revised gradually, with the addition of some new tables and charts and deletion of others. All statistics are being conformed to the DOE standard.
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World Crude Oil Production, 1974 —

(Thousand Barrels per Day)

	1974	1975	1976	1977	1978	1979	1980*	1980*						1981*	
								Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb.
World	56,050	52,995	57,360	59,680	60,145	62,665	59,365	59,520	59,340	58,100	55,705R	56,400	57,920R	57,750	57,570
Non-Communist Countries	45,195	41,345	44,970	46,620	46,380	48,635	45,120	45,185	44,985	43,765	41,415	42,070	43,525R	43,420	43,240
OECD	11,260	10,755	10,695	11,360	12,190	12,760	12,840	12,625	12,660	12,715	12,625	12,705	12,980R	12,850	12,880
United States	8,775	8,375	8,130	8,245	8,705	8,550	8,595	8,555	8,420	8,620	8,535	8,500	8,610R	8,550	8,575
Canada	1,695	1,420	1,300	1,320	1,315	1,495	1,410	1,475	1,450	1,380	1,250	1,365	1,300	1,260	1,300
Norway	35	190	280	280	350	405	530	265	545	500	530	535	555	535	540
United Kingdom	10	20	245	770	1,080	1,570	1,620	1,585	1,535	1,540	1,570	1,730	1,760	1,765	1,795
Other	745	750	740	745	740	740	685	745	710	695	740	575	755	740	670
Non-OPEC LDCs	3,205	3,450	3,630	4,035	4,395	4,945	5,445	5,520	5,485	5,575	5,700	5,470	5,590	5,765	5,715
Egypt	145	230	330	415	465	525	595	600	575	575	605	625	635	620	620
Mexico	580	720	800	980	1,215	1,460	1,935	2,015	2,000	2,125	2,180	1,900	2,025	2,220	2,120
Other ¹	2,480	2,500	2,500	2,640	2,715	2,960	2,915	2,905	2,910	2,875	2,915	2,945	2,930	2,925	2,975
OPEC	30,730	27,140	30,645	31,225	29,795	30,930	28,825	27,040	26,840	25,475	23,090	23,895	24,955	24,805	24,645
Algeria	1,010	960	980	1,095	1,160	1,155	1,015	900	900	900	1,000	1,000	900	900	900
Ecuador	180	160	190	185	200	215	220	220	240	180	230	225	210	230	235
Gabon	200	225	225	220	210	205	180	180	180	180	180	180	180	175	175
Indonesia	1,375	1,310	1,505	1,685	1,635	1,590	1,575	1,560	1,570	1,580	1,585	1,620	1,635	1,635	1,600
Iran	6,020	5,350	5,885	5,665	5,240	3,170	1,465	1,500	1,300	1,100	450	700	1,200	1,200	1,400
Iraq	1,970	2,260	2,415	2,350	2,560	3,475	2,640	3,400	3,400	2,900	150	300	550	600	700
Kuwait	2,275	1,840	1,910	1,785	1,895	2,215	1,380	1,115	1,145	1,050	1,100	1,200	1,500	1,500	1,300
Libya	1,520	1,480	1,935	2,065	1,980	2,090	1,785	1,680	1,690	1,680	1,665	1,680	1,680	1,600	1,580
Neutral Zone	540	495	465	390	475	570	540	535	520	480	510	530	535	530	530
Nigeria	2,255	1,785	2,065	2,065	1,895	2,300	2,055	2,100	2,050	1,600	1,880	2,060	2,020	2,090	1,945
Qatar	520	440	495	445	485	510	470	460	470	460	440	475	485	505	480
Saudi Arabia	8,210	6,825	8,345	9,015	8,065	9,250	9,625	9,500	9,500	9,500	10,000	10,000	10,000	10,000	10,000
United Arab Emirates	1,680	1,665	1,935	2,000	1,830	1,830	1,710	1,720	1,665	1,675	1,675	1,695	1,710	1,620	1,605
Venezuela	2,975	2,345	2,295	2,240	2,165	2,355	2,165	2,170	2,210	2,190	2,225	2,230	2,350	2,220	2,195
Communist Countries	10,855	11,650	12,390	13,060	13,765	14,030	14,245	14,335	14,355	14,335	14,290R	14,330	14,395	14,330	14,330
USSR	9,020	9,630	10,170	10,700	11,215	11,470	11,720	11,800	11,800	11,800	11,800	11,825	11,895	11,900	11,900
China	1,365	1,540	1,735	1,875	2,080	2,120	2,110	2,120	2,140	2,120	2,075R	2,090	2,085	2,025	2,025
Other ²	470	480	485	485	470	440	415	415	415	415	415	415	415	405	405

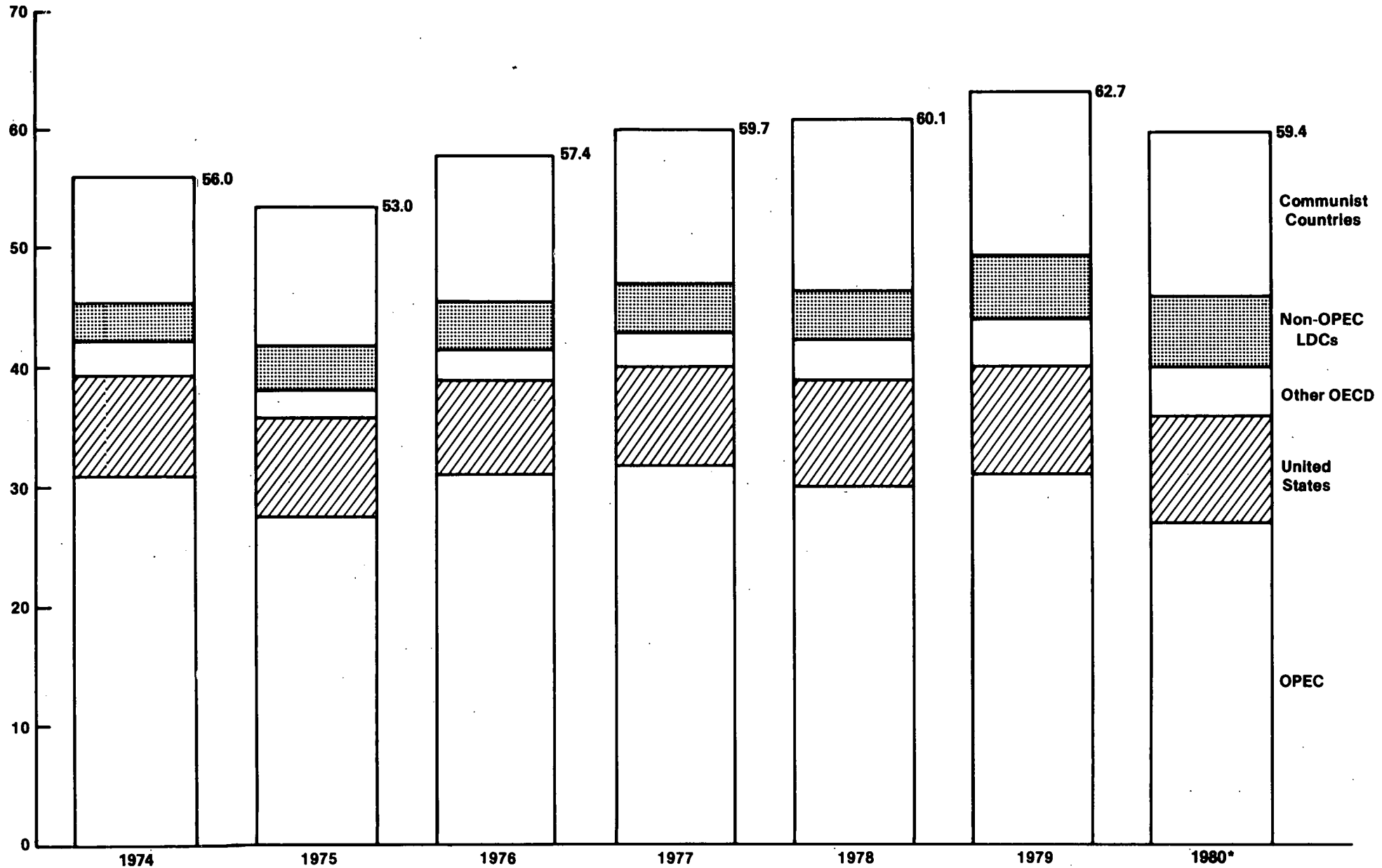
*Preliminary.

¹Including Israel.

²Albania, Bulgaria, Cuba, Czechoslovakia, East Germany, Hungary, Poland, Romania, and Yugoslavia.

SOURCES: DOE/EIA, OPEC, CIA Office of Economic Research, Oil and Gas Journal.

World Crude Oil Production, 1974— (Million Barrels per Day)



*Preliminary.

OPEC Crude Oil Productive Capacity

(Thousand Barrels per Day)

	Installed*	Maximum Sustainable**	Available***
Algeria	1,200	1,150	1,150
Ecuador	250	225	225
Gabon	250	225	225
Indonesia	1,800	1,650	1,650
Iran	7,000	3,000	2,500
Iraq	4,000	3,500	3,500
Kuwait	2,900	2,000	1,250
Libya	2,500	2,200	2,200
Neutral Zone	680	600	600
Nigeria	2,500	2,200	2,000
Qatar	650	600	600
Saudi Arabia	12,500	10,000	9,500
United Arab Emirates	2,520	2,385	1,580
Abu Dhabi	2,100	2,000	1,195
Dubai	390	370	370
Sharjah	30	15	15
Venezuela	2,600	2,400	2,200
Total	41,350	32,135	29,180

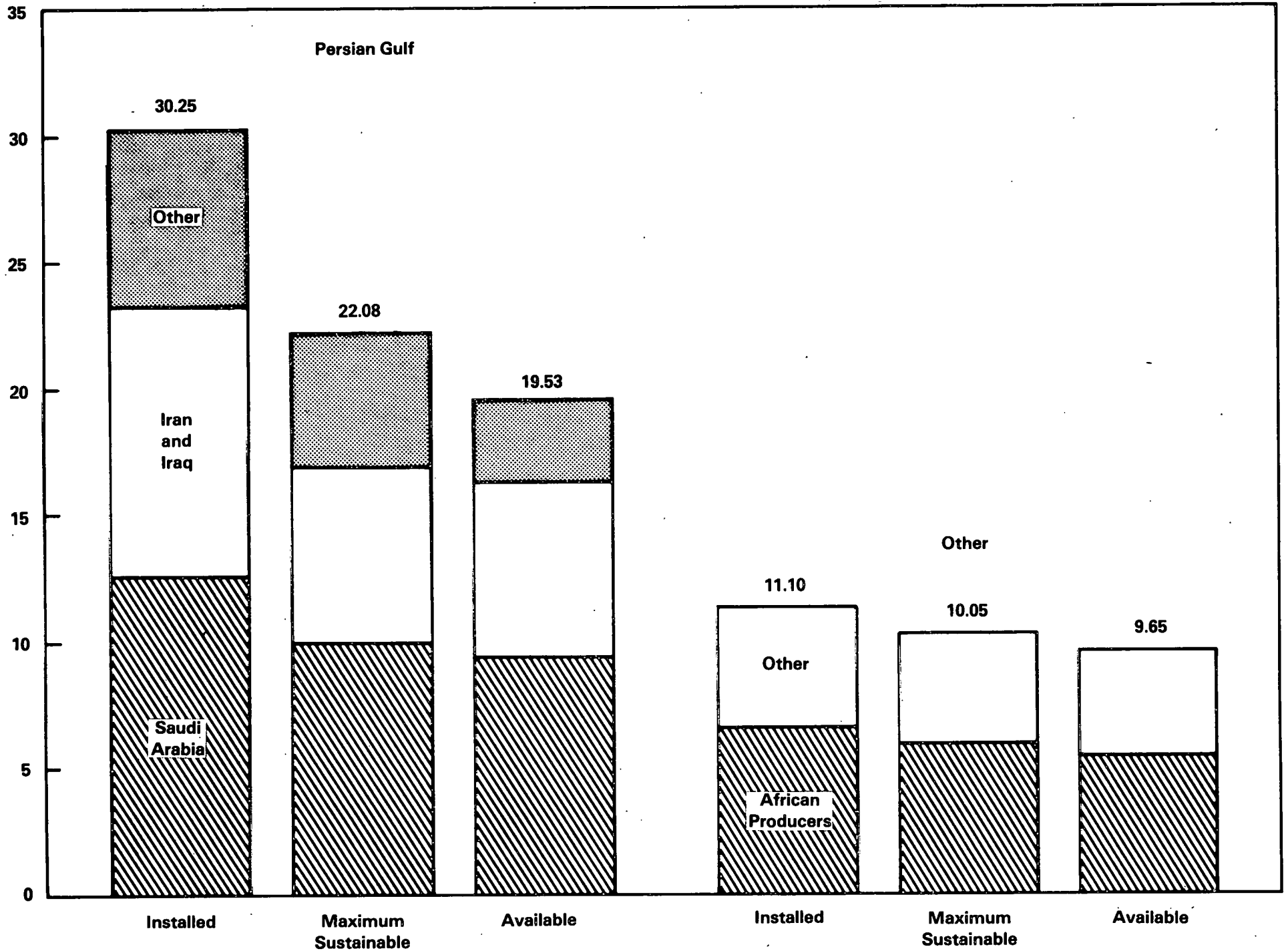
**Installed capacity* includes all aspects of crude oil production, processing, transportation, and storage.

***Maximum sustainable capacity* is the maximum production rate that can be sustained for several months; it considers the experience of operating the entire system and is generally 90-95 percent of installed capacity.

****Available* or allowable *capacity* reflects production ceilings – usually on an annual basis – applied by several countries.

OPEC Crude Oil Productive Capacity, 1981

(Million Barrels per Day)



World Crude Oil and Refined Product Inventory Levels, 1975 —
(Million Barrels)

End of Quarter	U.S.*	Canada	France	Germany	Italy	Japan**	United Kingdom	World***
1975								
IV	1,133	172	228	189	146	304	168	4,345
1976								
I	1,080	145	196	170	120	318	150	4,000
II	1,094	158	208	177	137	350	161	4,230
III	1,192	157	246	196	145	389	168	4,635
IV	1,112	150	237	210	145	381	168	4,510
1977								
I	1,087	141	216	209	139	354	151	4,285
II	1,195	158	207	207	167	389	160	4,660
III	1,304	162	232	223	168	405	162	4,975
IV	1,312	165	241	237	164	409	150	5,005
1978								
I	1,149	146	200	217	139	389	152	4,565
II	1,155	149	193	220	146	413	155	4,710
III	1,216	150	220	234	162	413	156	4,875
IV	1,278	141	204	242	155	415	160	4,800
1979								
I	1,146	132	189	263	139	414	142	4,325
II	1,211	142	205	277	151	424	153	4,650
III	1,308	147	236	303	170	456	172	5,055
IV	1,342	148	228	307	167	461	172	5,130
1980								
I	1,342	152	229	317	154	432	164	5,130
II	1,402	166	230	347	169	479	175	5,385
III	1,447	177	261	338	197	510	175	5,585
IV	1,376	167	246	357	171	488	170	5,270

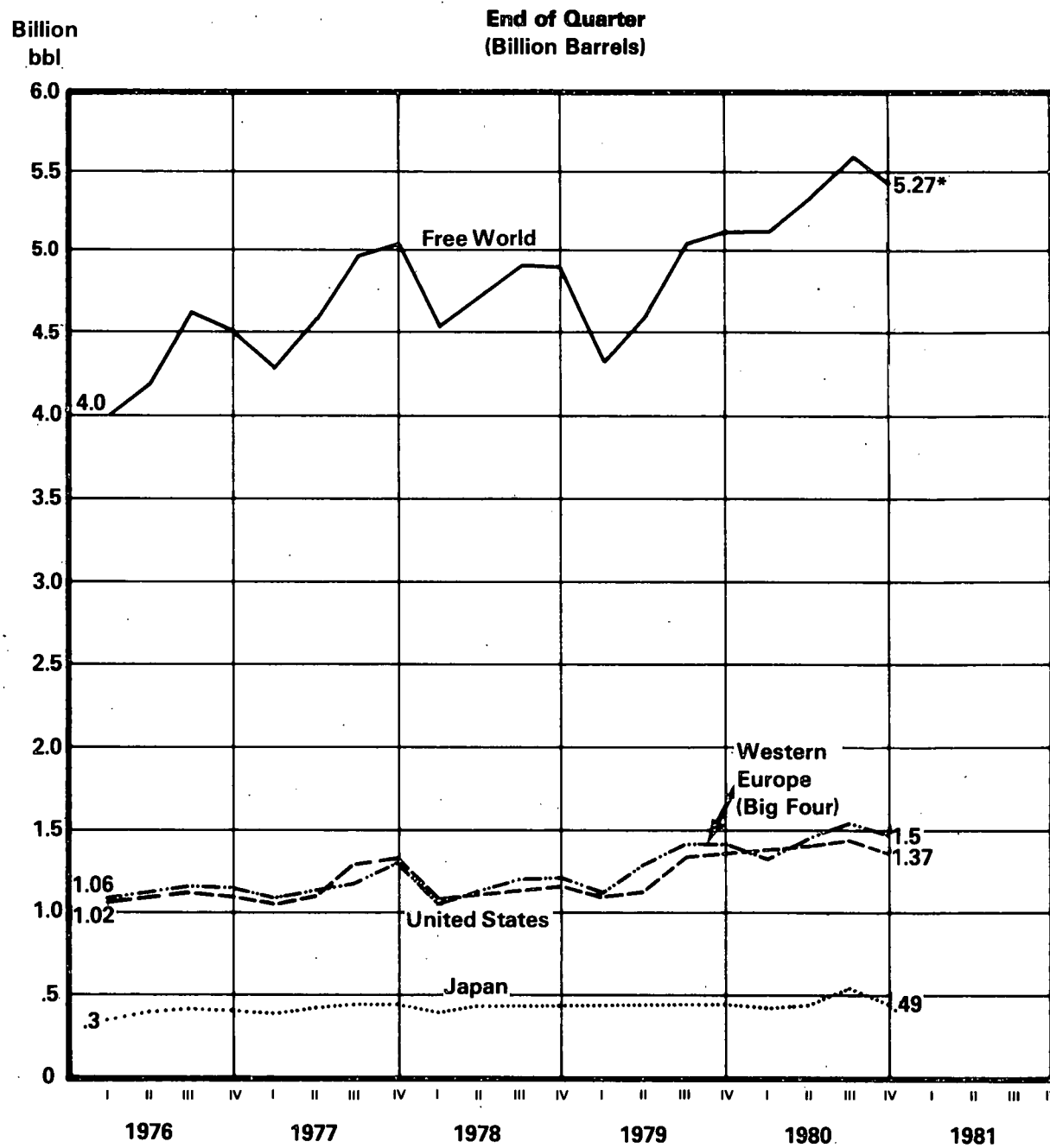
*U.S. stocks include Strategic Petroleum Reserves which held 116.1 million bbl as of February 28, 1981.

**Japanese stocks include government-owned strategic stockpiles. The amount was 33 million bbl in mid-1980.

***Including oil at sea.

Source: DOE/IA estimates.

World Crude Oil and Refined Product Inventory Levels, 1976—



*Including oil at sea.

Oil Consumption in OECD Countries, 1975 —
(Thousand Barrels per Day)

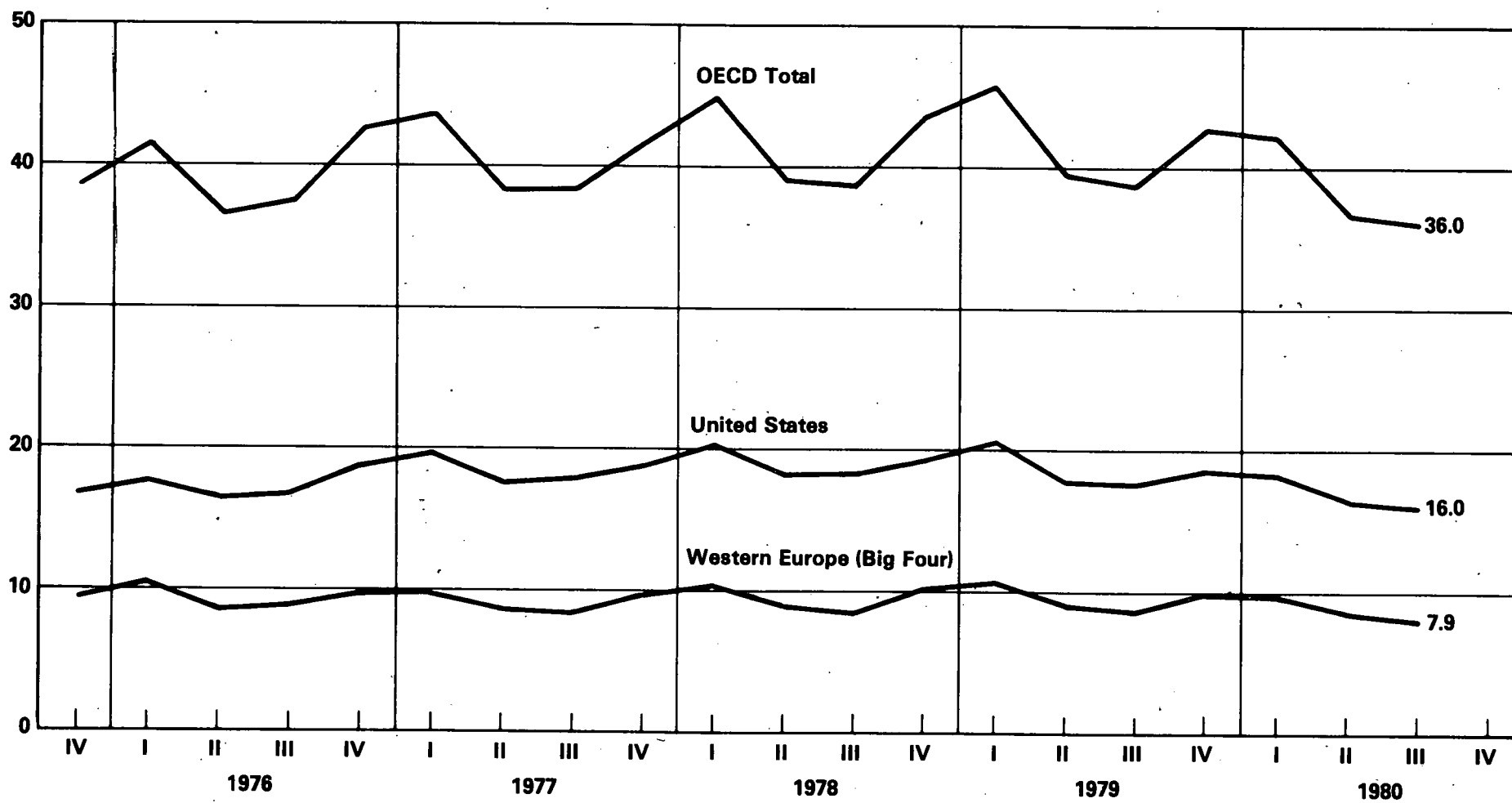
Quarter	United States*	Canada	West Germany	France	United Kingdom	Italy	Japan	OECD Total*
1975								
IV	16,790	1,715	2,680	2,575	2,060	2,105	5,310	38,705
1976	17,460	1,845	2,845	2,465	1,930	1,995	5,210	39,315
I	17,825	2,010	2,940	2,840	2,175	2,195	5,625	41,505
II	16,485	1,680	2,700	2,210	1,855	1,735	4,805	36,510
III	16,685	1,730	2,830	2,185	1,685	1,990	4,825	37,340
IV	18,830	1,975	2,945	2,665	2,025	2,090	5,645	42,355
1977	18,430	1,860	2,870	2,345	1,940	1,915	5,405	40,455
I	19,675	1,985	2,855	2,735	2,125	2,150	6,095	43,680
II	17,525	1,750	2,830	2,225	1,845	1,730	4,885	38,165
III	17,765	1,750	2,875	1,915	1,710	1,745	5,080	38,230
IV	18,775	1,965	2,920	2,520	2,080	2,030	5,570	41,765
1978	18,845	1,880	2,970	2,450	1,975	1,955	5,475	41,370
I	20,075	1,990	3,075	2,865	2,145	2,165	5,990	44,490
II	18,080	1,730	2,910	2,320	1,915	1,720	4,965	39,040
III	18,075	1,785	2,900	1,855	1,755	1,785	5,105	38,720
IV	19,175	2,020	2,980	2,775	2,080	2,145	5,845	43,270
1979	18,515	1,965	3,055	2,485	1,990	2,025	5,565	41,610
I	20,370	2,065	3,130	2,980	2,240	2,280	6,195	45,765
II	17,675	1,815	3,015	2,355	1,895	1,785	5,205	39,440
III	17,565	1,895	3,005	2,035	1,775	1,840	5,145	38,820
IV	18,470	2,075	3,065	2,585	2,060	2,190	5,735	42,490
1980	17,005							
I	18,275	1,980	2,935	2,695	2,005	2,175	5,920	42,120
II	16,360	1,790	2,760	2,250	1,645	1,775	4,725	36,890
III	16,075	1,825	2,730	1,935	1,445	1,775	4,625	35,965
IV	17,325							
1981								
I								

SOURCES: DOE/EIA, Annual Petroleum Statement, Monthly Petroleum Statement; OECD Quarterly Oil Statistics.

*Excluding U.S. territories.

Oil Consumption in OECD Countries, 1975 —

(Million Barrels per Day)



USSR Oil Production and Exports, 1975 —
(Thousand Barrels per Day)

Month	Production	Annual Exports (Total)	Month	Production	Annual Exports (Total)	Month	Production	Annual Exports (Total)
1975			1977			1979		
January	9,490		January	10,640		January	11,600	
February	9,590		February	10,690		February	11,600	
March	9,680		March	10,830		March	11,600	
April	9,680		April	10,850		April	11,730	
May	9,730		May	10,860		May	11,350	
June	9,810		June	10,930		June	11,680	
July	9,800		July	10,950		July	11,630	
August	9,890		August	10,970		August	11,800	
September	9,970		September	11,000		September	11,680	
October	10,030		October	11,090		October	11,870	
November	10,020		November	11,050		November	11,920	
December	10,080		December	11,110		December	11,960	
AVERAGE	9,820	2,600	AVERAGE	10,920	3,065	AVERAGE	11,710	3,140
1976			1978			1980		
January	10,030		January	11,110		January	11,870	
February	10,170		February	11,180		February	11,860	
March	10,270		March	11,280		March	11,890	
April	10,240		April	11,310		April	11,950	
May	10,240		May	11,350		May	12,010	
June	10,320		June	11,390		June*	11,600	
July	10,380		July	11,440		July*	12,100	
August	10,410		August	11,490		August*	12,130	
September	10,460		September	11,451		September*	12,170	
October	10,550		October	11,660		October*	12,130	
November	10,640		November	11,700		November*	12,190	
December	10,670		December	11,468		December*	12,240	
AVERAGE	10,390	2,970	AVERAGE	11,430	3,160	AVERAGE	12,030	3,000
						1981		
						January*	12,150	
						February*	12,150	

Source: CIA, Office of Economic Research

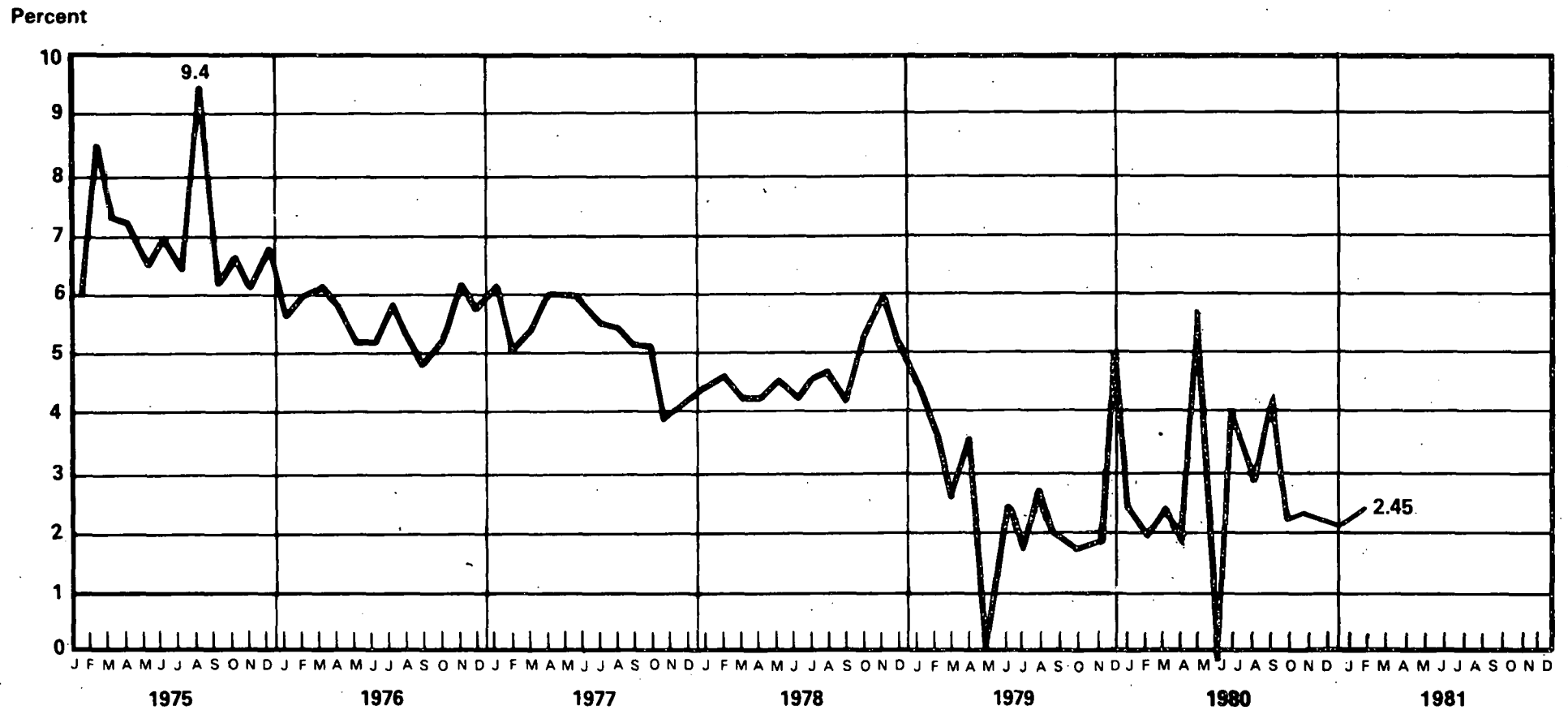
Note: Figures include natural gas liquids and hence are not comparable with figures shown in Monthly Energy Review.

Annual Totals as calculated by CIA, adjusted

*Preliminary estimates

USSR Oil Production, 1975 — (Including Natural Gas Liquids)

Rate of Change in Production Over
Same Period of Preceding Year



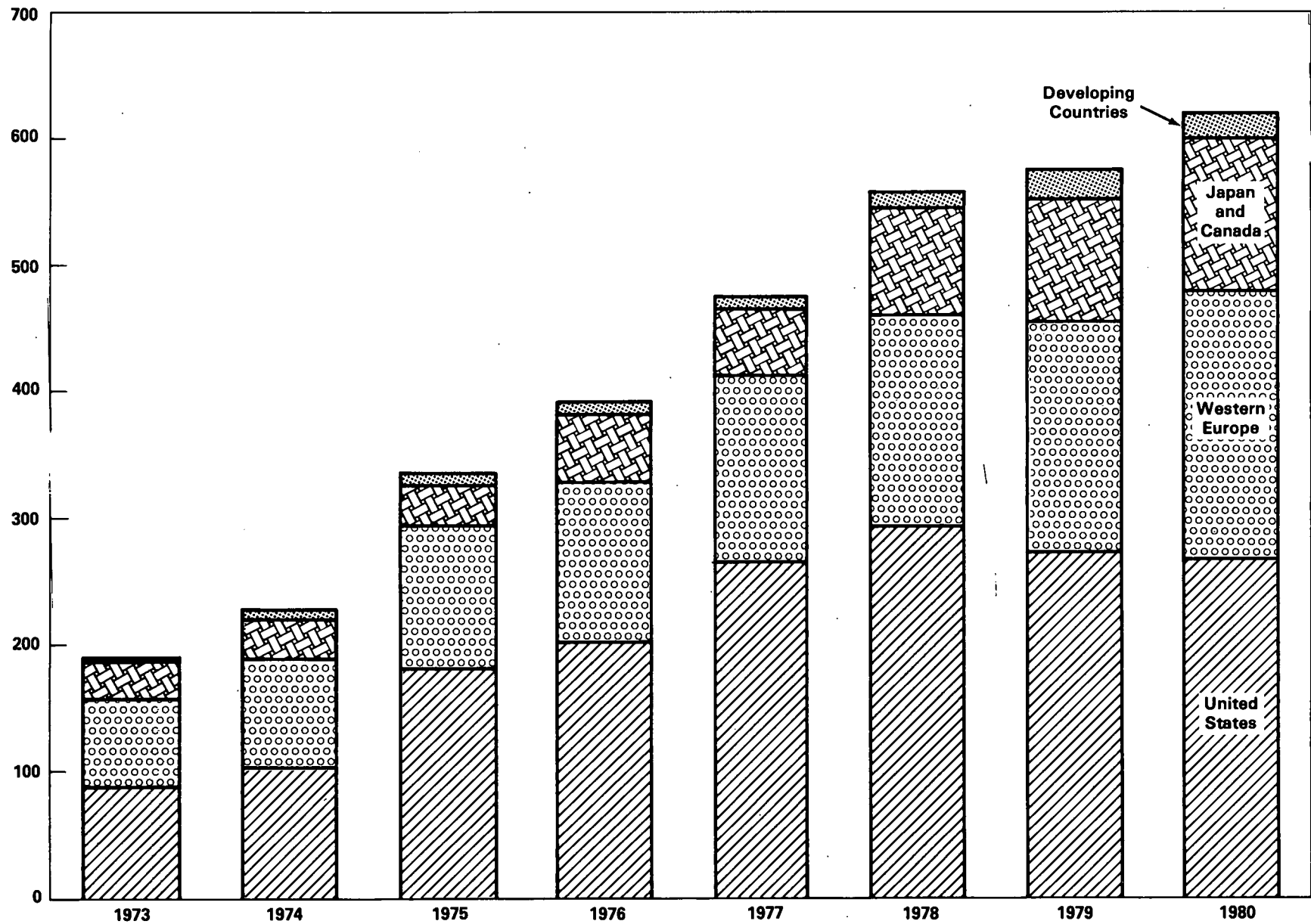
Free World and U.S. Nuclear Electricity Generation, 1973- and Current Capacity

(Generation: Billion Gross Kilowatt-hours; Capacity: Gross Megawatts)

	1973	1974	1975	1976	1977	1978	1979	1980	1st Qtr 1981	Current Capacity
Argentina	0.0	1.0	2.5	2.6	1.6	2.9	2.7	2.3	0.7	357
Belgium	0.0	0.1	6.8	10.0	11.9	12.5	11.4	12.5	2.7	1,744
Canada	18.3	15.4	13.2	18.0	26.8	32.9	38.4	40.4	10.7	5,588
Finland	0.0	0.0	0.0	0.0	2.7	3.3	6.7	7.0	3.6	2,296
France	11.6	14.7	18.3	15.8	17.9	30.5	39.9	61.2	26.7	17,326
India	1.9	2.4	2.5	3.2	2.8	2.3	3.2	2.9	0.6	860
Italy	3.1	3.4	3.8	3.8	3.4	4.4	2.6	2.2	0.5	1,490
Japan	9.4	18.1	22.2	36.8	28.1	53.2	62.0	81.0	23.2	15,676
Netherlands	1.1	3.3	3.3	3.9	3.7	4.1	3.5	4.2	0.4	530
Pakistan	0.5	0.6	0.5	0.5	0.3	0.2	negl.	0.1	negl.	137
South Korea	0.0	0.0	0.0	0.0	0.1	2.3	3.2	3.5	0.3	587
Spain	6.5	7.2	7.5	7.6	6.5	7.6	6.7	5.2	2.1	1,117
Sweden	2.1	1.6	12.0	16.0	19.9	23.8	21.0	26.7	10.8	6,710
Switzerland	6.2	7.0	7.7	7.9	8.1	8.3	11.8	14.3	4.4	2,034
Taiwan	0.0	0.0	0.0	0.0	0.1	2.7	6.3	8.2	2.4	1,272
United Kingdom	28.0	34.0	30.5	36.8	38.1	36.7	38.5	37.2	11.5	9,012
West Germany	11.9	12.0	21.7	24.5	35.8	35.9	42.2	43.7	14.5	8,996
Free World (ex U.S.)	100.6	120.8	152.5	187.4	207.8	263.5	300.1	352.6	115.1	75,732
United States	88.0	104.5	181.8	201.6	263.2	292.7	270.7	265.3	71.4	54,577*
Free World	188.6	225.3	334.3	389.0	471.0	556.2	570.8	617.9	186.5	130,309

*Excluding 2,112 megawatts of capacity out of service indefinitely.
SOURCE: Nucleonics Week
negl. = negligible

Free World Nuclear Electricity Generation, 1973 — (Billion Gross Kilowatt-hours)



U.S. Domestic Oil Supply, 1977 —

(Thousand Barrels per Day)

	Crude Oil*		Natural Gas Plant Liquids	Other Hydrocarbons	Processing Gain	Total		Crude Oil*		Natural Gas Plant Liquids	Other Hydrocarbons	Processing Gain	Total
	Lower-48 & S. Alaska	North Slope						Lower-48 & S. Alaska	North Slope				
1977:	7,935	310	1,618	50	524	10,437	1979:	7,269	1,283	1,584	44	527	10,707
January	7,854	—	1,549	39	538	9,980	January	7,251	1,224	1,530	37	442	10,484
February	8,139	—	1,589	46	514	10,288	February	7,388	1,137	1,561	33	462	10,581
March	8,090	—	1,687	46	515	10,338	March	7,375	1,226	1,548	30	431	10,610
April	8,145	—	1,664	52	478	10,339	April	7,328	1,225	1,611	35	431	10,630
May	8,066	9**	1,620	56	436	10,187	May	7,371	1,230	1,570	40	518	10,729
June	7,973	129**	1,616	54	467	10,239	June	7,303	1,129	1,571	42	590	10,635
July	7,882	223**	1,609	47	554	10,315	July	7,077	1,287	1,564	41	538	10,507
August	7,816	491**	1,593	57	581	10,538	August	7,233	1,315	1,575	49	585	10,757
September	7,763	717**	1,585	51	506	10,622	September	7,200	1,323	1,565	54	584	10,726
October	7,878	695**	1,633	43	552	10,801	October	7,248	1,373	1,607	61	519	10,808
November	7,863	716**	1,627	54	575	10,835	November	7,255	1,506	1,676	60	599	11,096
December	7,768	719**	1,637	59	575	10,758	December	7,203	1,412	1,626	46	626	10,913
1978:	7,617	1,090	1,567	53	496	10,823	1980:	7,076	1,521	1,564	48	595	10,804
January	7,628	732	1,557	59	485	10,461	January	7,121	1,527	1,647	64	600	10,959
February	7,661	716	1,562	56	467	10,462	February	7,168	1,528	1,651	53	655	11,055
March	7,614	1,106	1,590	51	517	10,878	March	7,155	1,557	1,569	51	836	10,968
April	7,776	1,042	1,618	46	478	10,960	April	7,130	1,558	1,626	49	577	10,940
May	7,688	1,137	1,530	48	450	10,853	May	7,103	1,537	1,555	48	524	10,767
June	7,668	1,164	1,583	49	472	10,936	June	7,012	1,535	1,559	49	600	10,755
July	7,600	1,156	1,558	57	389	10,760	July	7,041	1,514	1,513	42	600	10,710
August	7,579	1,179	1,556	55	489	10,858	August	6,906	1,516	1,514	40	504	10,480
September	7,615	1,185	1,546	54	535	10,935	September	7,102	1,517	1,510	49	679	10,857
October	7,614	1,206	1,540	54	555	10,969	October	7,045	1,491	1,498	44	521	10,599
November	7,527	1,214	1,602	51	560	10,954	November	7,033	1,466	1,568	44	622	10,733
December	7,450	1,212	1,566	56	559	10,843	December	7,102	1,507	1,558	39	630	10,836

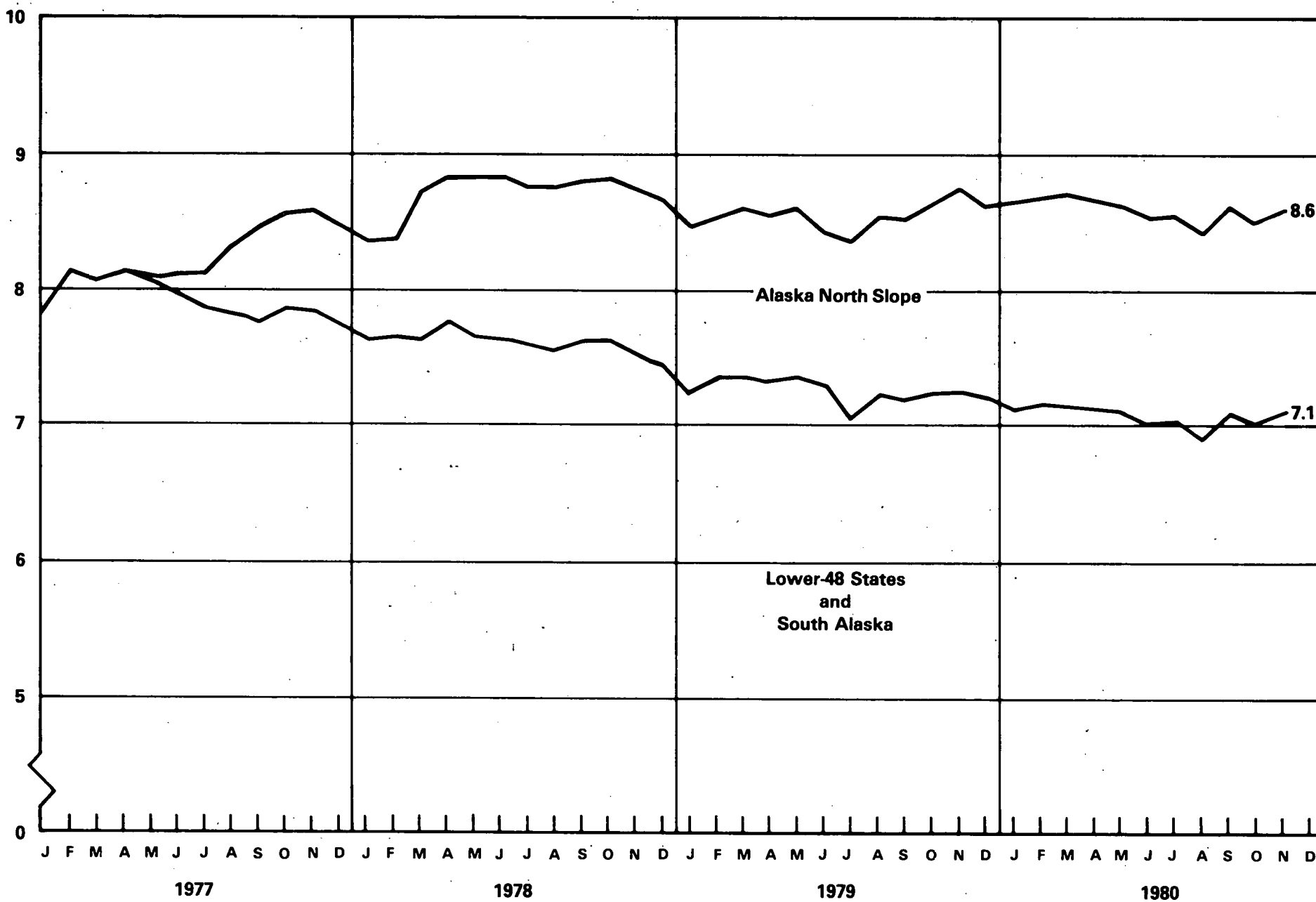
*Including lease condensate.

**Estimated.

SOURCE: EIA, Petroleum Statement (Monthly and Annual)

U.S. Crude Oil Production,* 1977 —
(Million Barrels per Day)

MMB/D



*Including Lease Condensate.

May 1981

U.S. Gross Imports of Crude Oil and Products, 1973 —

(Thousand Barrels per Day)

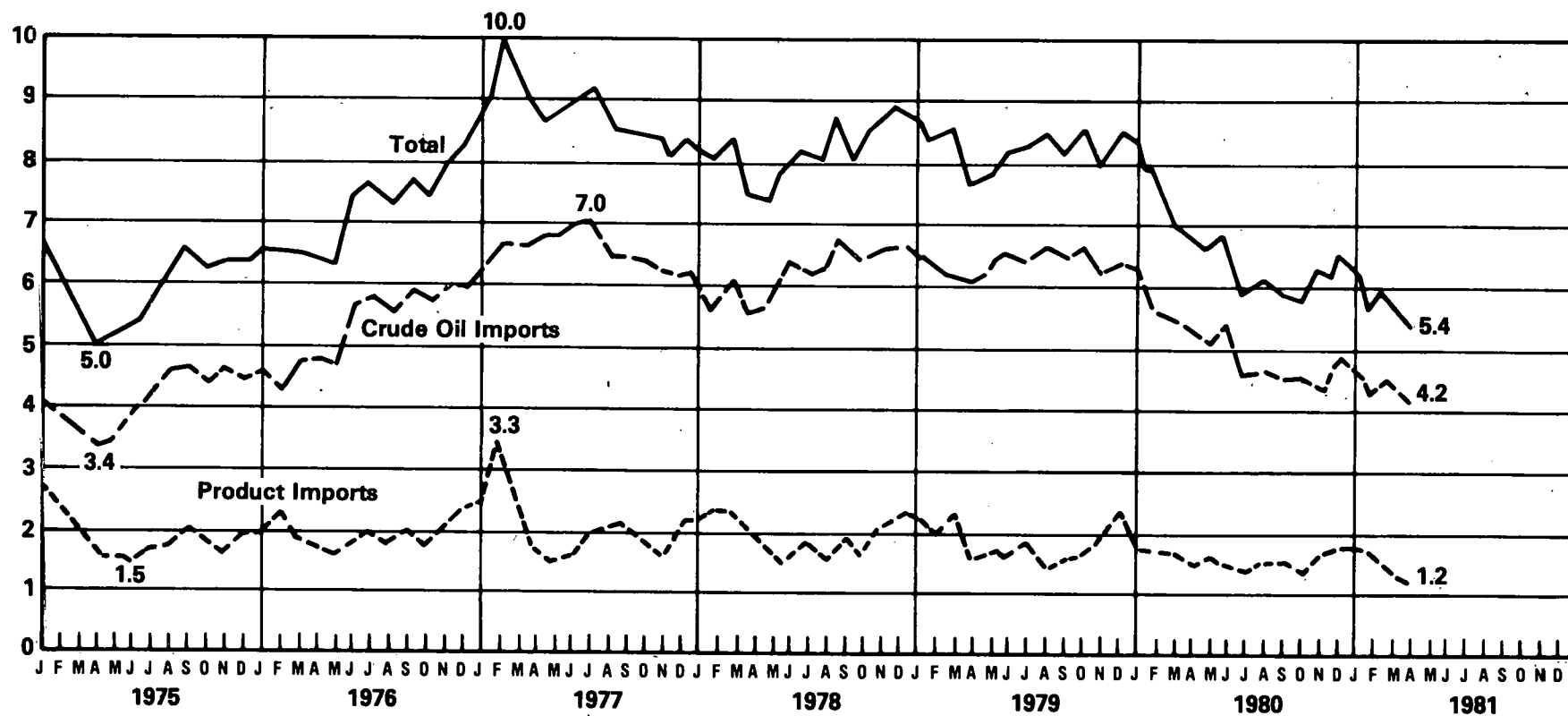
Month	Crude Oil	Products	Total	Month	Crude Oil	Products	Total	Month	Crude Oil	Products	Total
1973 AVERAGE	3,244	3,012	6,256	1977				1979			
1974 AVERAGE	3,477	2,635	6,112	January	6,281	2,622	8,903	January	6,721	2,223	8,944
1975				February	6,659	3,338	9,997	February	6,344	2,069	8,413
January	4,029	2,832	6,861	March	6,699	2,684	9,383	March	6,252	2,386	8,638
February	3,828	2,348	6,176	April	6,821	1,902	8,723	April	6,145	1,682	7,827
March	3,656	2,074	5,730	May	6,818	1,753	8,571	May	6,163	1,830	7,993
April	3,378	1,662	5,040	June	7,065	1,872	8,937	June	6,582	1,680	8,262
May	3,486	1,728	5,214	July	7,088	2,027	9,095	July	6,561	1,956	8,517
June	3,905	1,502	5,406	August	6,395	2,179	8,574	August	6,774	1,781	8,555
July	4,192	1,767	5,959	September	6,429	2,137	8,567	September	6,426	1,597	8,023
August	4,581	1,717	6,298	October	6,409	1,862	8,272	October	6,890	1,798	8,688
September	4,689	2,115	6,804	November	6,248	1,814	8,062	November	6,228	1,955	8,183
October	4,389	1,940	6,329	December	6,248	2,198	8,446	December	6,318	2,310	8,628
November	4,623	1,796	6,419	AVERAGE	6,594	2,193	8,787	AVERAGE	6,452	1,940	8,392
December	4,476	1,949	6,425	1978				1980			
AVERAGE	4,105	1,951	6,056	January	6,126	2,092	8,218	January	6,359	1,983	8,342
1976				February	5,655	2,355	8,010	February	5,936	1,911	7,847
January	4,595	2,071	6,666	March	6,031	2,338	8,369	March	5,785	1,724	7,509
February	4,208	2,423	6,631	April	5,519	2,115	7,634	April	5,555	1,430	6,985
March	4,738	1,945	6,683	May	5,594	1,804	7,398	May	5,071	1,478	6,549
April	4,790	1,805	6,595	June	6,322	1,640	7,962	June	5,480	1,413	6,893
May	4,669	1,654	6,323	July	6,175	1,948	8,123	July	4,645	1,401	6,046
June	5,621	1,858	7,479	August	6,251	1,858	8,109	August	4,723	1,379	6,102
July	5,792	2,099	7,890	September	6,829	1,983	8,811	September	4,653	1,475	6,129
August	5,556	1,826	7,382	October	6,400	1,718	8,119	October	4,570R	1,603R	6,173R
September	5,875	2,038	7,913	November	6,643	2,021	8,664	November	4,524R	1,673R	6,197R
October	5,699	1,808	7,508	December	6,751	2,245	8,996	December	4,848R	1,781R	6,629R
November	5,946	2,115	8,060	AVERAGE	6,195	2,008	8,202	AVERAGE	5,177R	1,547R	6,724R
December	5,925	2,468	8,393					1981			
AVERAGE	5,287	2,026	7,313					January*	4,652R	1,600R	6,252R
								February*	4,325R	1,467R	5,792R
								March*	4,575R	1,425R	6,000R
								April*	4,200	1,240	5,440

SOURCE: Bureau of Mines, EIA Monthly Energy Review, Weekly Petroleum Status Report

NOTE: Imports for SPR excluded.

*Preliminary Figures.

U.S. Gross Imports of Crude Oil and Products,* 1975— (Million Barrels per Day)



*SPR purchases not included.

Landed Cost of Saudi Crude Oil in Current and 1974 Dollars

(U.S. Dollars Per Barrel)

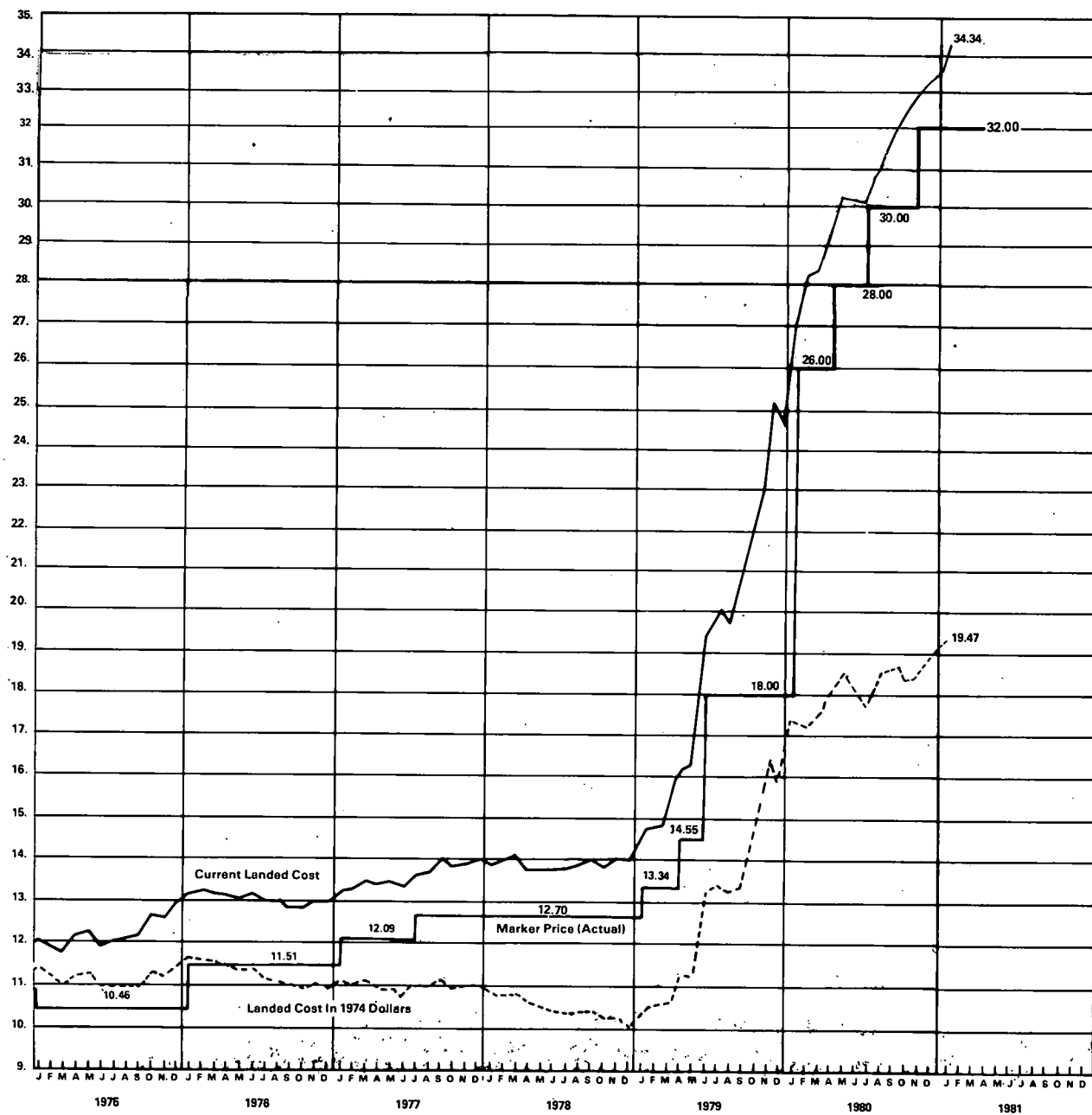
Month	Landed Cost of Saudi Crude (Actual)	Cost in 1974 Dollars (CPI Deflator)	Month	Landed Cost of Saudi Crude (Actual)	Cost in 1974 Dollars (CPI Deflator)	Month	Landed Cost of Saudi Crude (Actual)	Cost in 1974 Dollars (CPI Deflator)
1974			1977			1979		
December	11.75	11.16	January	13.22	11.14	January	14.73	10.64
1975			February	13.32	11.11	February	14.88	10.61
January	12.07	11.42	March	13.50	11.19	March	15.28	10.79
February	11.94	11.22	April	13.41	11.02	April	16.18	11.29
March	11.78	11.03	May	13.49	11.03	May	16.29	11.24
April	12.16	11.32	June	13.39	10.87	June	19.49	13.29
May	12.27	11.37	July	13.64	11.03	July	20.06	13.54
June	11.93	10.98	August	13.72	11.06	August	19.85	13.26
July	12.08	10.99	September	14.01	11.25	September	20.36	13.44
August	12.10	10.97	October	13.85	11.09	October	22.99	15.06
September	12.17	10.99	November	13.94	11.11	November	25.19	16.35
October	12.64	11.34	December	13.99	11.11	December	24.48	15.72
November	12.58	11.22	1978			1980		
December	12.93	11.48	January	13.93	10.99	January	27.85	17.63
1976			February	13.96	10.94	February	28.15	17.59
January	13.18	11.68	March	14.07	10.96	March	28.26	17.41
February	13.21	11.68	April	13.85	10.69	April	29.14	17.75
March	13.18	11.62	May	13.86	10.59	May	30.30	18.39
April	13.11	11.51	June	13.86	10.43	June	30.16	18.00
May	13.05	11.39	July	13.81	10.37	July	30.04	17.90
June	13.14	11.41	August	13.84	10.34	August	31.24	18.49
July	13.02	11.24	September	14.03	10.40	September	31.86	18.70
August	13.03	11.19	October	13.89	10.15	October	31.73	18.47
September	12.87	11.02	November	14.12	10.30	November	32.86	18.93
October	12.87	10.97	December	14.00	10.11	December	33.40	19.10
November	13.01	11.06	1981			1981		
December	13.02	11.03	1981			January*	34.34	19.47

*Preliminary

Deflator, CPI (All urban)

SOURCE: Monthly Energy Review, Survey of Current Business, DOE/EIA

Landed Cost of Saudi Crude Oil in Current and 1974 Dollars (U.S. Dollars per Barrel)



U.S. Coal Trade,* 1975 -

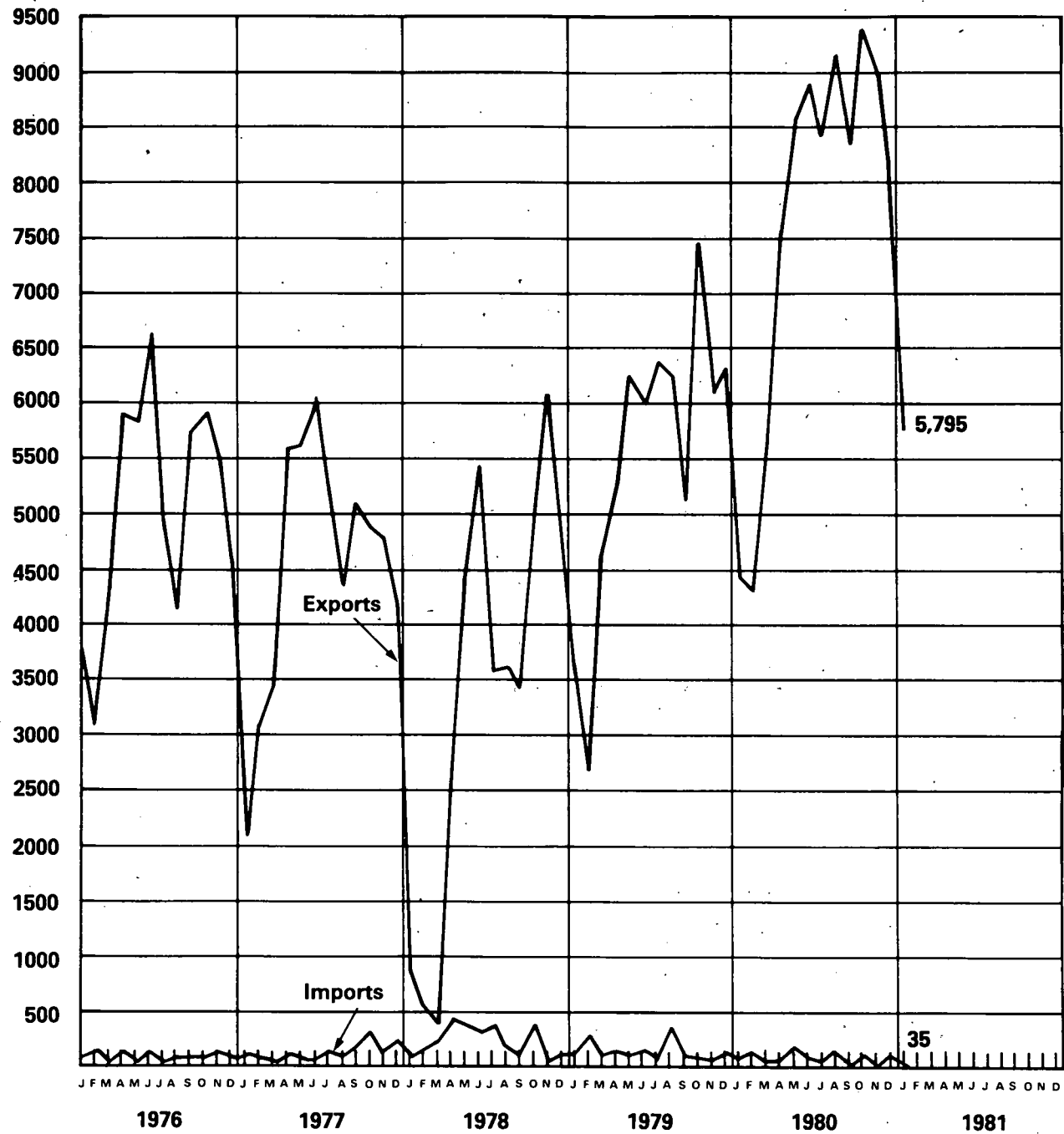
(Thousand Short Tons)

	Imports	Exports		Imports	Exports		Imports	Exports
1975:	940	66,309	1978:	2,953	40,714R	1981:		
January			January	139	896R	January	35	5,795
February			February	159	590R			
March			March	231	379R			
April			April	417	2,615R			
May			May	323	4,475R			
June	NA		June	291	5,431R			
July			July	313	3,576R			
August			August	227	3,636R			
September			September	196	3,456R			
October			October	371	5,055R			
November			November	98	6,032R			
December			December	188	4,573R			
1976:	1,203	60,021	1979:	2,059	66,042R			
January	103	3,711	January	186	3,607R			
February	114	3,074	February	252	2,728R			
March	40	4,000	March	123	4,644R			
April	132	5,846	April	161	5,271R			
May	90	5,747	May	112	6,217R			
June	192	6,644	June	209	5,978R			
July	39	4,927	July	88	6,300R			
August	90	4,270	August	320	6,249R			
September	65	5,734	September	180	5,148R			
October	94	5,913	October	152	7,447R			
November	149	5,507	November	130	6,173R			
December	95	4,648	December	146	6,280R			
1977:	1,647	54,312	1980:	1,194	91,742			
January	123	2,180	January	121	4,460			
February	75	3,121	February	193	4,041			
March	31	3,449	March	93	5,633			
April	170	5,655	April	63	7,563			
May	94	5,757	May	207	8,597			
June	92	6,045	June	104	8,899			
July	112	5,222	July	32	8,247			
August	100	4,334	August	166	9,270			
September	175	5,131	September	2	8,364			
October	274	4,931	October	139	9,454			
November	170	4,566	November	3	8,987			
December	231	3,921	December	70	8,228			

*Data for bituminous coal and anthracite only through 1977, 1978-81 data include lignite

SOURCE: EIA, Monthly Energy Review.

U.S. Coal Trade, 1976 — (Thousand Short Tons)

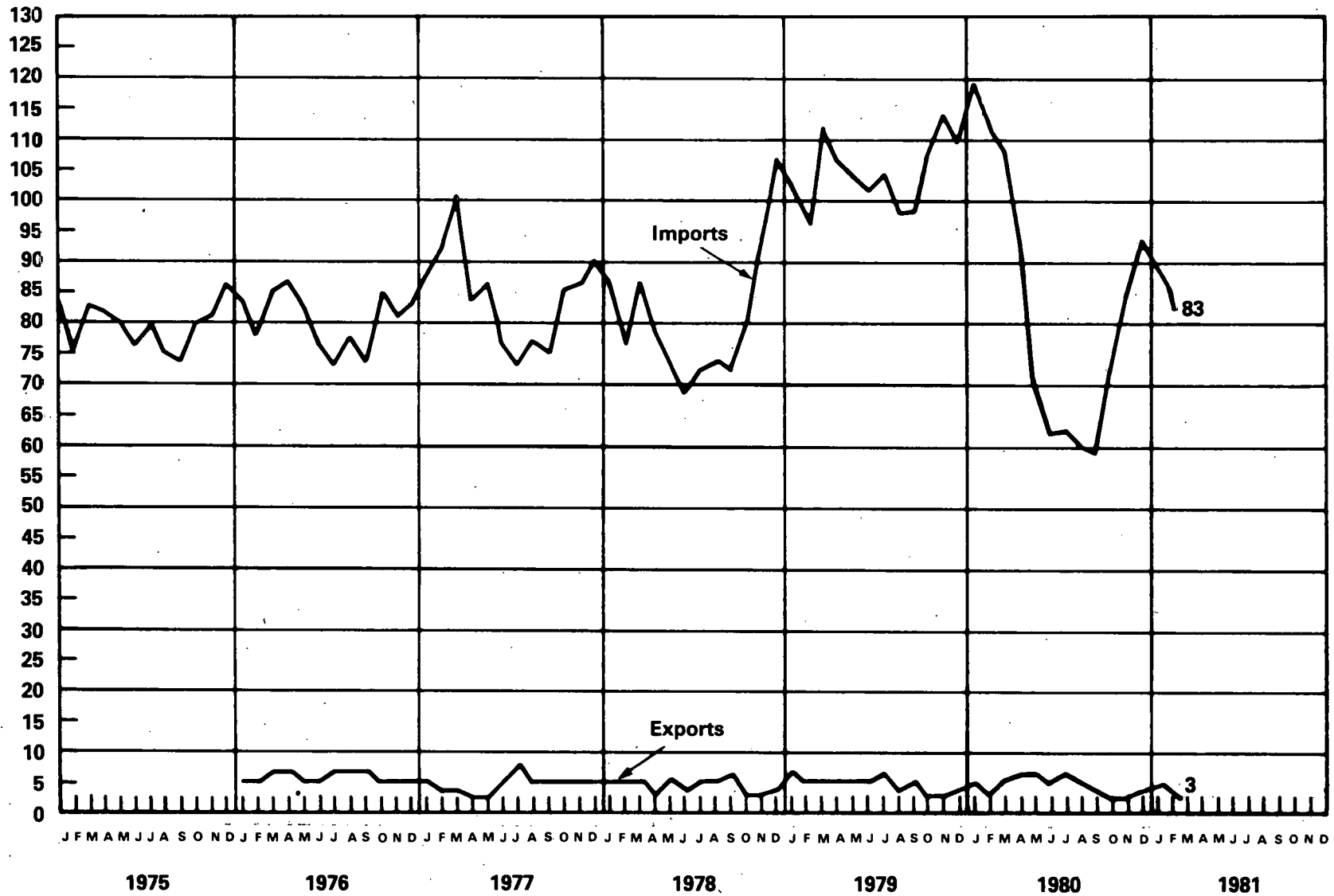


U.S. Natural Gas Trade, 1975 —
(Billion Cubic Feet)

	Imports	Exports		Imports	Exports		Imports	Exports
1975:	953	73	1978:	966	53	1981:		
January	81	NA	January	86	5	January	86	5
February	75	NA	February	77	5	February	83	3
March	83	NA	March	86	5			
April	82	NA	April	78	3			
May	80	NA	May	74	5			
June	76	NA	June	68	4			
July	80	NA	July	72	5			
August	75	NA	August	74	5			
September	74	NA	September	73	6			
October	80	NA	October	80	3			
November	81	NA	November	91	3			
December	86	NA	December	107	4			
1976:	964	65	1979:	1,253	56			
January	84	5	January	102	6			
February	78	5	February	97	5			
March	85	6	March	113	5			
April	86	6	April	106	5			
May	82	5	May	104	5			
June	76	5	June	101	5			
July	73	6	July	104	6			
August	77	6	August	97	4			
September	74	6	September	98	5			
October	85	5	October	107	3			
November	81	5	November	114	3			
December	83	5	December	110	4			
1977:	1,011	56	1980:	994	55			
January	87	5	January	119	5			
February	92	4	February	111	3			
March	101	4	March	108	5			
April	84	3	April	91	6			
May	86	3	May	70	6			
June	76	5	June	62	5			
July	73	7	July	64	6			
August	76	5	August	60	5			
September	75	5	September	58	4			
October	85	5	October	73	3			
November	86	5	November	85	3			
December	90	5	December	93	4			

SOURCE: EIA, Monthly Energy Review.

U.S. Natural Gas Trade, 1975 — (Billion Cubic Feet)



May 1981

Summary of U.S. Merchandise Trade, 1977 — (Million Dollars)*

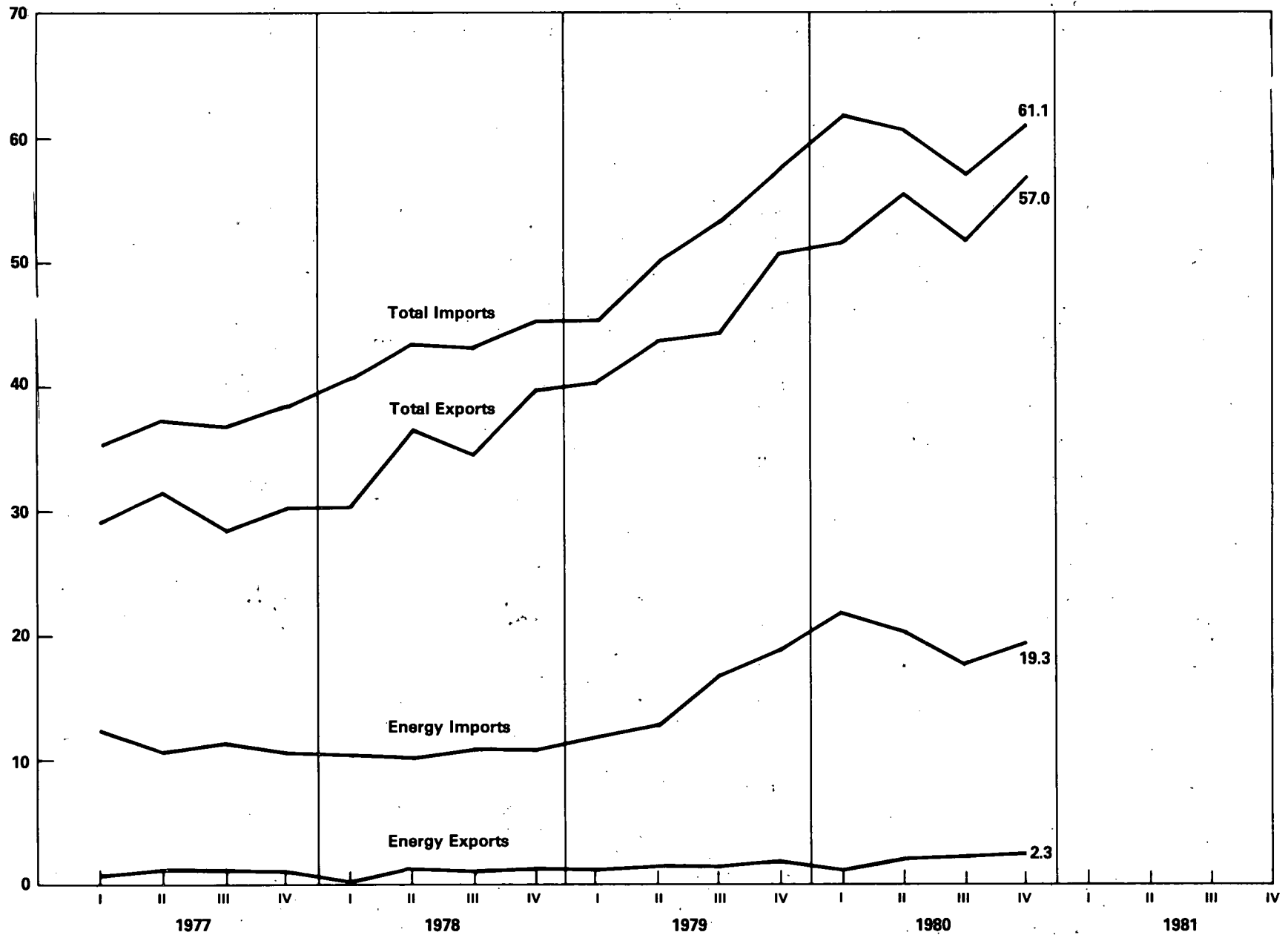
EXPORTS					IMPORTS					
		Energy ¹	Manu- factured Products ²	Agricultural, Chemical, and Other ³	Total		Energy ¹	Manu- factured Products ²	Agricultural, Chemical, and Other ³	Total
1977					1977					
Quarter	I	778	17,012	11,393	29,183	Quarter	I	12,153	15,810	35,379
	II	1,228	18,182	11,777	31,187		II	10,611	18,085	37,239
	III	1,134	16,463	10,950	28,547		III	11,283	18,039	36,928
	IV	1,044	17,642	11,402	30,088		IV	10,491	19,650	38,139
TOTAL		4,184	69,299	45,522	119,055	TOTAL		44,538	71,584	147,685
1978					1978					
Quarter	I	495	17,919	11,981	30,395	Quarter	I	10,355	21,562	40,551
	II	1,073	21,108	14,201	36,382		II	10,220	23,833	43,200
	III	1,005	19,850	13,860	34,715		III	10,756	23,662	43,145
	IV	1,306	23,052	15,306	39,664		IV	10,744	24,868	45,129
TOTAL		3,879	81,929	55,348	141,156	TOTAL		42,105	93,925	172,025
1979					1979					
Quarter	I	1,078	23,324	15,950	40,353	Quarter	I	11,703	24,304	45,391
	II	1,438	25,039	17,146	43,624		II	12,934	26,487	50,111
	III	1,473	23,947	18,458	43,879		III	16,618	26,305	53,122
	IV	1,632	26,969	21,970	50,571		IV	18,741	27,653	57,633
TOTAL		7,892	123,151	85,303	216,436	TOTAL		79,058	116,447	240,834
1980					1980					
Quarter	I	1,484	29,391	21,117	51,992	Quarter	I	21,693	28,799	61,812
	II	2,098	31,625	21,770	55,493		II	20,197	29,079	60,649
	III	2,120	29,801	20,070	51,990		III	17,859	28,434	57,262
	IV	2,281	32,335	22,347	56,963		IV	19,329	30,137	61,113
TOTAL		7,982	123,151	85,303	216,436	TOTAL		79,058	116,447	240,834
1981					1981					
January		620	9,431	7,546	17,596	January		8,014	10,539	22,577
February		705	10,498	7,311	18,515	February		7,943	9,269	21,124

*Figures are not seasonally adjusted.

1. BOC section 3. 2. BOC sections 6,7,8. 3. BOC sections 0, 1, 2, 4, 5, 9.

SOURCE: US Department of Commerce, Bureau of Census (BOC) Publication FT900, Summary of U.S. Export and Import Merchandise Trade. Beginning with January 1981 data on the U.S. Virgin Islands' trade with foreign countries are included.

Summary of U.S. Merchandise Trade, 1977 — (Billion Dollars)



NOTE: Data not seasonally adjusted.

U.S. Energy/GNP Ratio

Year	Total Gross Energy Consumption (Quadrillion Btu)	GNP (Billion 1972 Dollars)	Energy/GNP Ratio (Thousand Btu per Dollar GNP)	Quarter	Energy Use (Quadrillion Btu)	GNP (Billion 1972 Dollars)*	Energy/GNP Ratio (Thousand Btu per Dollar GNP)
1947	33.035	468.3	70.542	1973			
1948	33.881	487.7	69.471	I	20.073	1229.8	66.195R
1949	33.489	490.7	64.171	II	17.551	1231.1	57.182R
1950	33.992	533.5	63.715	III	17.620	1236.3	56.544R
				IV	19.308	1242.6	61.647R
1951	36.775	576.5	63.790				
1952	36.458	598.5	60.916	1974			
1953	37.586	621.8	60.447	I	19.263	1230.2	63.504R
1954	36.263	613.7	59.089	II	17.046	1224.5	55.836R
1955	39.703	654.8	60.634	III	17.364	1216.9	56.611R
1956	41.700	668.8	62.350	IV	18.926	1199.7	62.588R
1957	41.706	680.9	61.251				
1958	41.606	679.5	61.363	1975			
1959	43.140	720.4	59.883	I	19.249	1171.6	66.631R
1960	44.569	736.8	60.490	II	16.367	1189.9	55.171R
				III	16.572	1220.0	53.891R
1961	45.319	755.3	60.001	IV	18.369	1227.9	59.351R
1962	47.422	799.1	59.344				
1963	49.308	830.7	59.357	1976			
1964	51.240	874.4	58.600	I	19.701	1255.5	63.112R
1965	53.343	925.9	57.612	II	17.085	1268.0	54.192R
1966	56.412	981.0	57.505	III	17.317	1276.5	53.969R
1967	58.265	1007.7	57.820	IV	20.227	1284.0	62.670R
1968	61.763	1051.8	58.721				
1969	64.979	1078.8	60.233	1977			
1970	67.143	1075.3	62.441	I	20.543	1306.7	63.759R
				II	17.522	1325.5	53.022R
1971	68.698	1122.4	61.206	III	18.018	1343.9	53.192R
1972	71.610	1185.9	60.384	IV	19.664	1354.5	57.597R
1973	74.609	1255.0	59.448				
1974	72.759	1248.0	58.300	1978			
1975	70.707	1233.9	57.303	I	21.295	1402.3	61.587R
1976	74.510	1300.4	57.297	II	18.211	1432.8	50.980R
1977	76.332	1371.7	55.647	III	18.462	1446.7	50.630R
1978	78.150	1436.9	54.387	IV	20.189	1465.8	54.644R
1979	78.968	1483.0	53.248	1979			
1980	76.345R	1480.7	51.560R	I	22.190	1479.9	60.810R
				II	18.320	1473.4	49.872R
				III	18.343	1488.2	48.901R
				IV	20.114	1490.6	53.536R
				1980			
				I	21.352	1501.5	57.194R
				II	17.561	1463.3	48.267R
				III	17.610R	1471.9	47.596R
				IV	19.820R	1485.6	53.076R

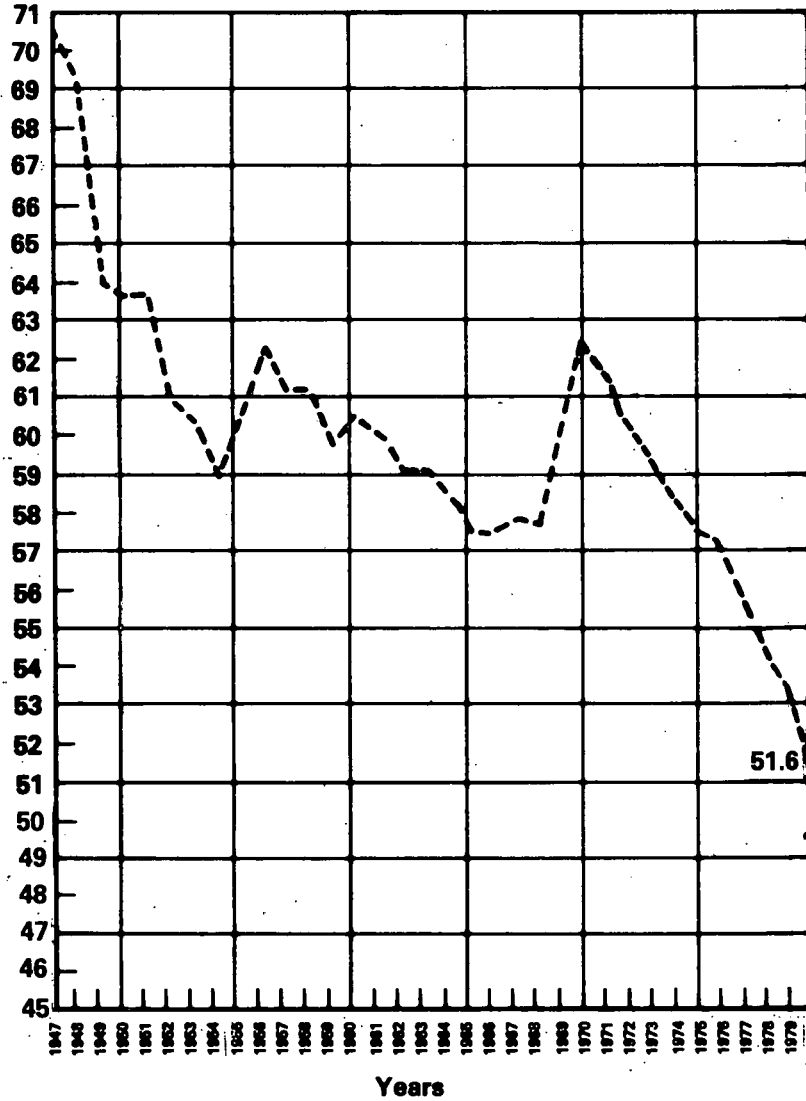
*At annual rate

Source: EIA, Monthly Energy Review;
Department of Commerce,
Survey of Current Business

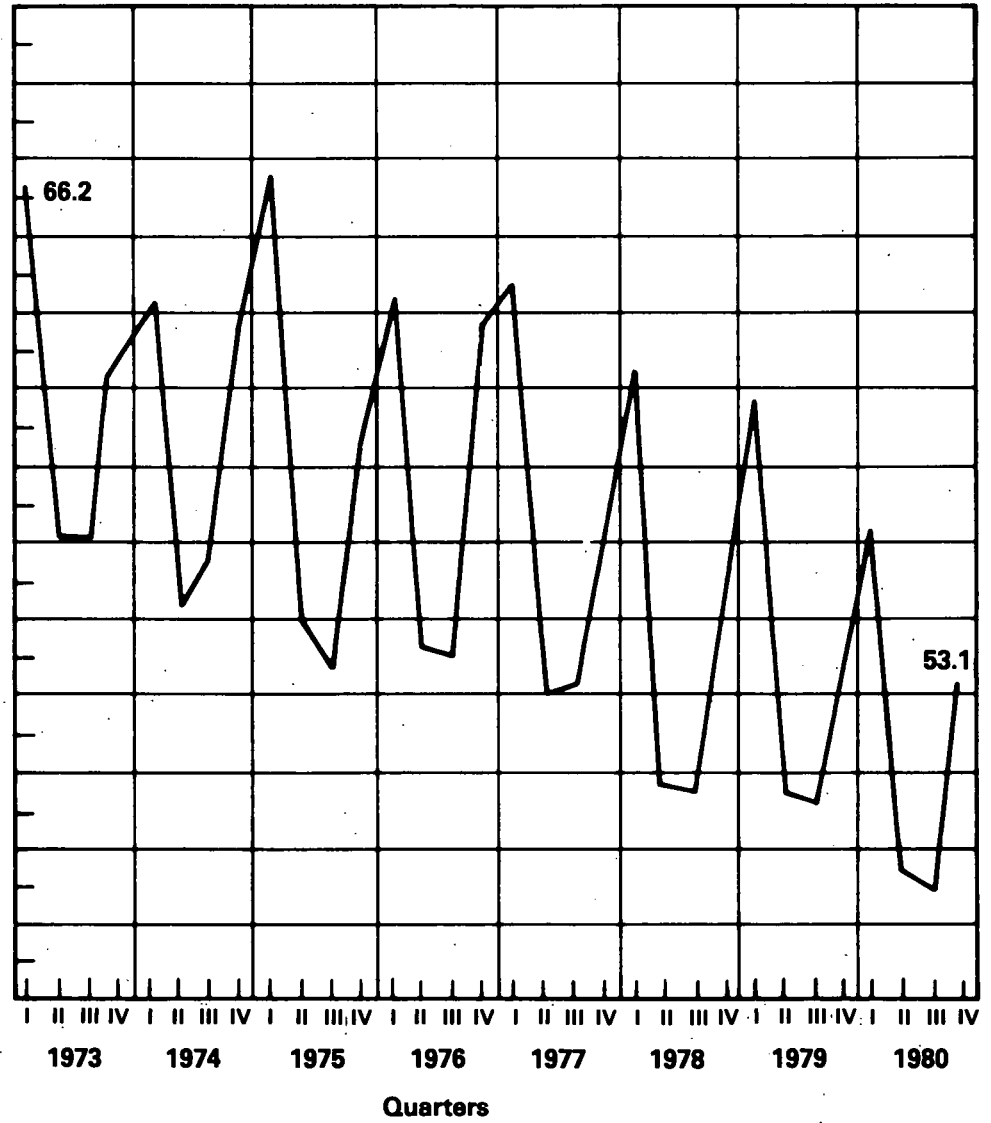
U.S. Energy/GNP Ratio, 1972 Dollars

1,000 Btu
per Dollar GNP

Annual, 1947-



Quarterly, 1973-



May 1981

UNITED STATES
DEPARTMENT OF ENERGY
WASHINGTON, D.C. 20585

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF ENERGY
DOE 350



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