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**International
Energy
Indicators**

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**U.S. Department
of Energy**

International Affairs
Office of Market Analysis

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February-March 1982



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February-March 1982

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of Energy**

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World Crude Oil Production, 1974—

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World crude oil production rose steadily from some 56 MMB/D in 1974 to 62.6 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 December 1981, OPEC production was 21.2 MMB/D. World output was 54.2 MMB/D in December.

OPEC Crude Oil Productive Capacity

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Total OPEC installed capacity is 41.35 MMB/D, its maximum sustainable capacity is 32.0 MMB/D, and its available capacity is 28.9 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

Estimates for U.S. stocks stood at 1.49 billion bbl and those of Japan at 477 million bbl at the end of 4th Quarter 1981. DOE/IA estimates show world stocks at the end of 4Q81 were 5.12 billion bbl, including oil at sea.

Oil Consumption in OECD Countries, 1975—

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Data for the United States, Canada, France, West Germany, United Kingdom, Italy, Japan, and total OECD show oil consumption in 1980 at 38.7 MMB/D. Preliminary data for 3Q81 show total consumption in OECD countries at 33.9 MMB/D.

USSR Crude Oil Production and Exports, 1975—

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The graphic shows the slowing rate of growth in USSR crude oil production, excluding natural gas liquids. Annual export figures include shipments to both Communist Bloc and Western countries.

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

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Free World nuclear electricity generation increased steadily from 189 billion gross kilowatt-hours in 1973 to 618 billion gross kilowatt-hours in 1980. Current capacity is about 143,496 gross megawatts.

UNITED STATES

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U.S. Domestic Oil Supply, 1977—

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Figures from 1977 through January 1982 show production of U.S. crude oil, 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

Preliminary data for January 1982 indicate gross U.S. imports stood at 5.5 MMB/D. Crude oil imports (excluding SPR purchases) were 4.0 MMB/D and product imports were 1.5 MMB/D.

Landed Cost of Saudi Crude Current and 1974 Dollars

20

Preliminary data show that the weighted landed cost of Saudi crude stood at \$35.39 per barrel in December. In 1974 dollars, the December price was \$18.58 representing a real increase between December 1974 and December 1981 of \$7.42 per barrel.

U.S. Coal Trade, 1975—

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Total coal exports for 1980 were 91.7 million short tons; imports were 1.2 million short tons. Total exports for 1981 increased to 112.5 millions ton; imports decreased to 1.0 million tons.

U.S. Natural Gas Trade, 1975—

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Natural gas imports include pipeline gas from Canada and Mexico and LNG from Algeria (through March 1980). Total gas imports in 1981 were 877 billion cubic feet. January 1982 imports were 95 billion cubic feet.

Summary of U.S. Merchandise Trade, 1977—

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The merchandise trade deficit in 4Q 1981 rose to \$11.3 billion, up from \$9.7 billion in 3Q 1981. The deficit in energy fell \$0.8 billion to \$16.3 billion.

Energy/GNP Ratio

28

Quarterly data for 1974-1980 and 4Q 1981 and annual data from 1970 show constant decline, reflecting continuing improvements in energy efficiency.

World Crude Oil Production, 1974 —

(Thousand Barrels per Day)

	1974	1975	1976	1977	1978	1979	1980*	1981					
								1st Q	2nd Q	3rd Q	Oct.	Nov.	Dec.
World	56,050	52,995	57,360	59,615	60,055	62,595	59,350	58,230	56,885	54,135	54,365	53,685	54,250
Non-Communist Countries	45,195	41,345	44,970	46,620	46,380	48,635	45,110	43,995	42,655	39,920	40,150	39,455	40,020
OECD	11,260	10,755	10,695	11,360	12,190	12,760	12,840	12,995	12,845	12,705	12,695	13,005	13,145
United States	8,775	8,375	8,130	8,245	8,705	8,550	8,595	8,575	8,550	8,530	8,545	8,595	8,625
Canada	1,695	1,420	1,300	1,320	1,315	1,495	1,410	1,355	1,270	1,255	1,120	1,280	1,380
Norway	35	190	280	280	350	405	530	530	555	455	400	530	485
United Kingdom	10	20	245	770	1,080	1,570	1,620	1,815R	1,785	1,780	1,845	1,840	1,915
Other	745	750	740	745	740	740	685	720	685	685	785	760	740
Non-OPEC LDCs	3,205	3,450	3,630	4,035	4,395	4,945	5,445	5,955R	6,320	6,040	6,250	5,875	5,645
Egypt	145	230	330	415	465	525	595	595R	575	590	635	625	630
Mexico	580	720	800	980	1,215	1,460	1,935	2,240	2,545	2,275	2,490	2,090	1,980
Other ¹	2,480	2,500	2,500	2,640	2,715	2,960	2,915	3,120R	3,200	3,175	3,125	3,160	3,035
OPEC	30,730	27,140	30,645	31,225	29,795	30,930	26,825	25,045	23,490	21,175	21,205	20,575	21,230
Algeria	1,010	960	980	1,095	1,160	1,155	1,015	950	865	785	700	750	800
Ecuador	180	160	190	185	200	215	220	220	215	200	220	220	200
Gabon	200	225	225	220	210	205	180	145	145	150	150	150	160
Indonesia	1,375	1,310	1,505	1,685	1,635	1,590	1,575	1,630	1,610	1,600	1,600	1,600	1,580
Iran	6,020	5,350	5,885	5,665	5,240	3,170	1,465	1,630	1,565	1,200	1,000	800	1,000
Iraq	1,970	2,260	2,415	2,350	2,560	3,475	2,640	770	1,000	1,100	1,100	1,100	1,100
Kuwait	2,275	1,840	1,910	1,785	1,895	2,215	1,380	1,370	850	810	800	750	750
Libya	1,520	1,480	1,935	2,065	1,980	2,090	1,785	1,615	1,400	715	700	900	1,000
Neutrai Zone	540	495	465	390	475	570	540	525	340	305	375	280	290
Nigeria	2,255	1,785	2,065	2,085	1,895	2,300	2,055	1,910	1,420	845	1,250	1,590	1,820
Qatar	520	440	495	445	485	510	470	500	430	345	360	340	340
Saudi Arabia	8,210	6,825	8,345	9,015	8,065	9,250	9,625	9,950	10,000	9,740	9,500	8,500	8,500
United Arab Emirates	1,680	1,665	1,935	2,000	1,830	1,830	1,710	1,610	1,520	1,450	1,480	1,365	1,430
Venezuela	2,975	2,345	2,295	2,240	2,165	2,355	2,165	2,220	2,130	1,930	1,970	2,230	2,260
Communist Countries	10,855	11,650	12,390	12,995	13,675	13,960	14,240	14,235	14,230	14,215	14,215	14,230	14,230
USSR	9,020	9,630	10,170	10,650	11,140	11,140	11,700	11,800	11,800	11,800	11,800	11,800	11,800
China	1,365	1,540	1,735	1,875	2,080	2,120	2,115	2,025	2,020	2,005	2,005	2,020	2,020
Other ²	470	480	485	470	455	440	425	410	410	410	410	410	410

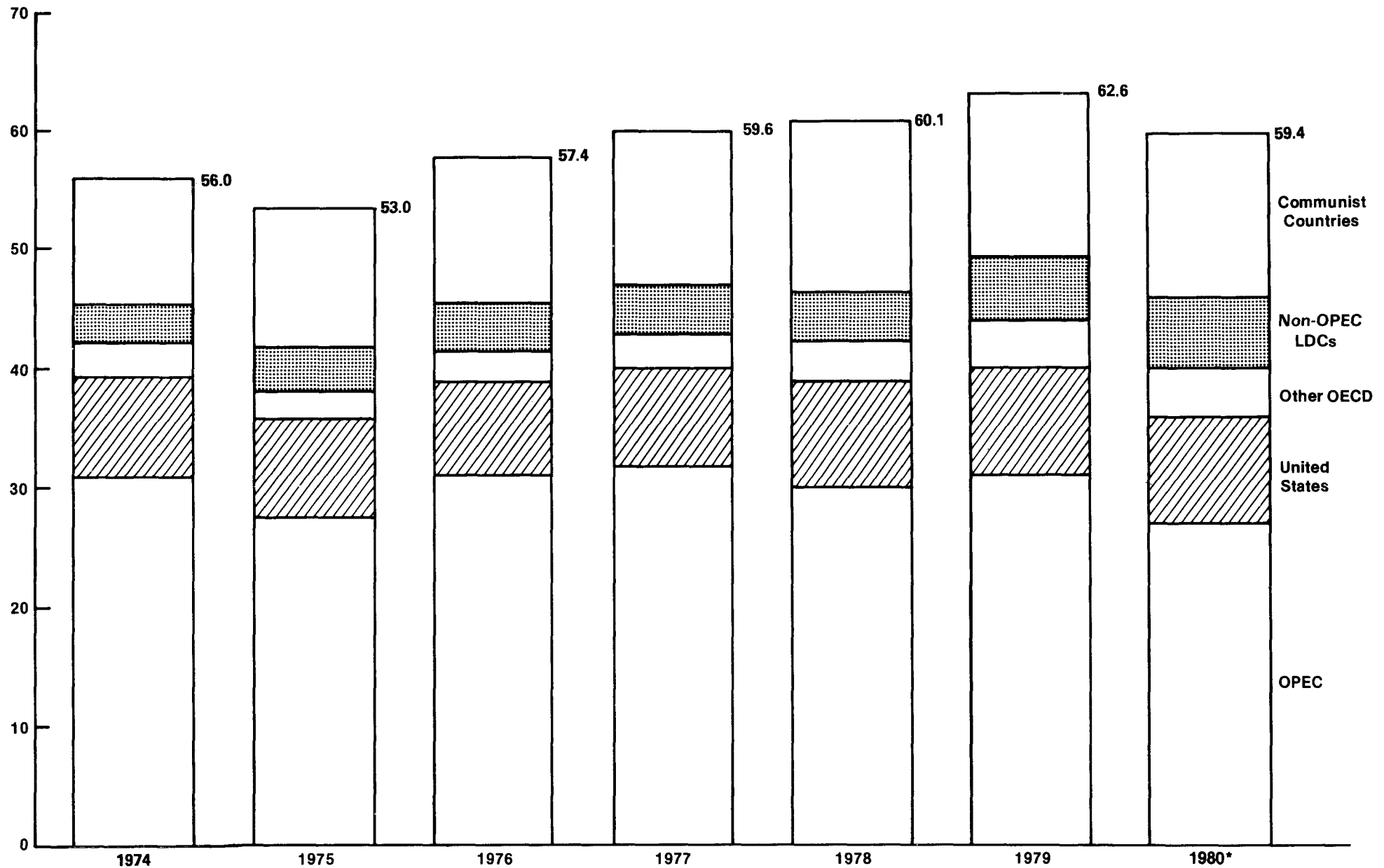
* Preliminary.

¹ Including Israel.

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

SOURCES: DOE/EIA, *Oil and Gas Journal*, CIA, OPEC.

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



*Preliminary.

OPEC Crude Oil Productive Capacity

(Thousand Barrels per Day)

	<u>Installed*</u>	<u>Maximum Sustainable**</u>	<u>Available***</u>
Algeria	1,200	1,150	1,000
Ecuador	250	225	225
Gabon	250	200	200
Indonesia	1,800	1,650	1,650
Iran	7,000	3,000	3,000
Iraq	4,000	3,500	3,500
Kuwait	2,900	2,000	1,250
Libya	2,500	2,100	1,750
Neutral Zone	680	600	600
Nigeria	2,500	2,200	2,000
Qatar	650	600	600
Saudi Arabia	12,500	10,000	8,500
United Arab Emirates	2,520	2,380	1,450
Abu Dhabi	2,100	2,000	1,070
Dubai	390	370	370
Sharjah	30	10	10
Venezuela	2,600	2,400	2,200
Total	41,350	32,005	27,925

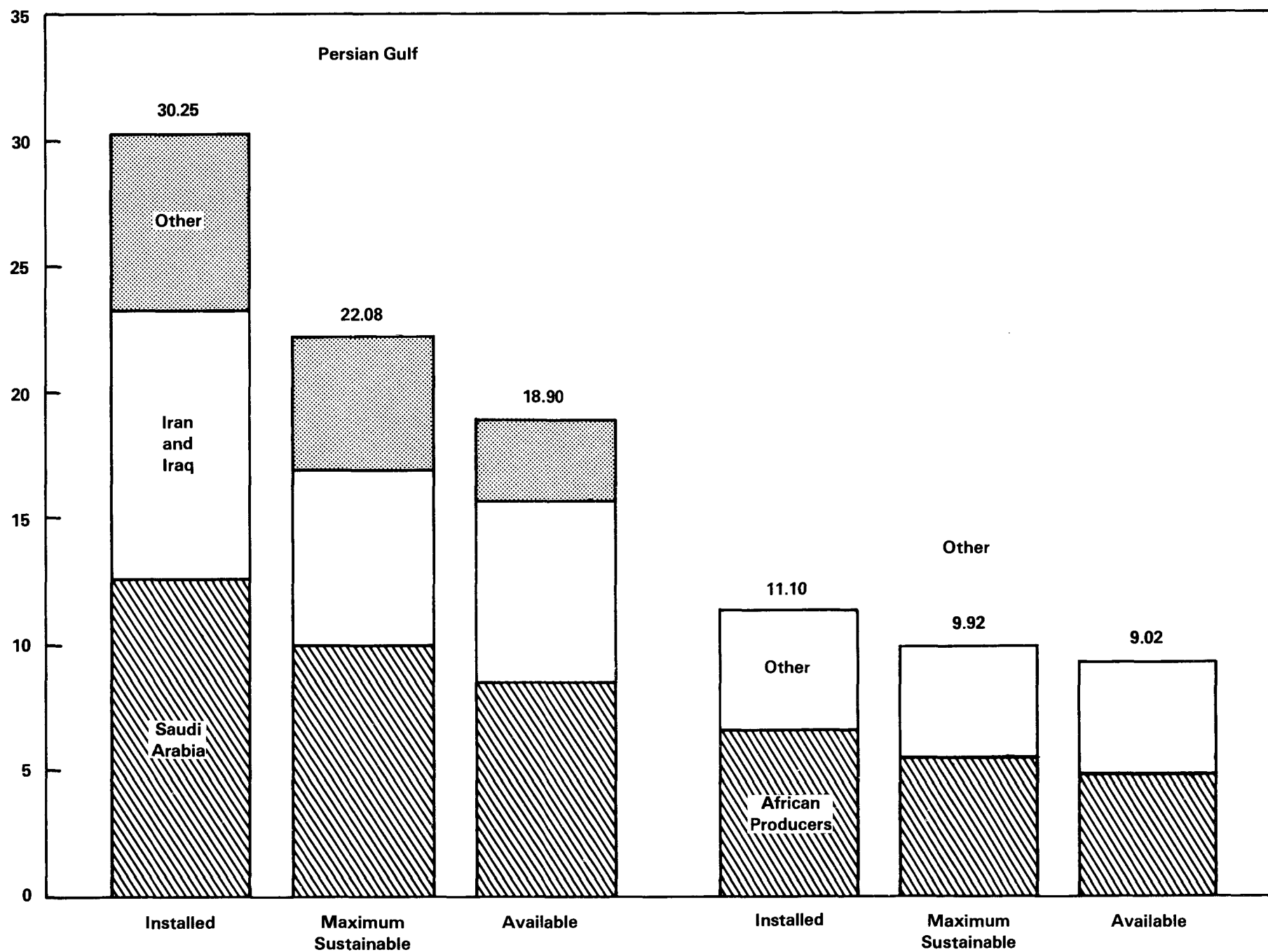
* Installed capacity includes all aspects of crude oil production, processing, transportation, and storage.

** 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.

Source: DOE/IA

OPEC Crude Oil Productive Capacity (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	1,060	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	4,985
1978								
I	1,149	146	200	217	139	389	152	4,525
II	1,155	149	193	220	146	413	155	4,605
III	1,216	150	220	234	162	413	156	4,835
IV	1,278	141	204	242	155	415	160	4,800
1979								
I	1,146	134R	188R	231R	137R	382R	141	4,325R
II	1,211	142	202R	246R	147R	394R	153	4,645R
III	1,308	150R	233R	269R	165R	438R	172	5,065R
IV	1,342	150R	226R	272R	163R	460R	171	5,150R
1980								
I	1,342	149R	226R	296R	155R	431R	164	5,110R
II	1,402	164R	228R	309R	168R	478R	175	5,370R
III	1,447	176R	258R	302R	195R	509R	174R	5,615R
IV	1,395	164R	243R	319R	170R	495R	170	5,355R
1981								
I	1,405	159R	220R	317R	158R	450R	165	5,205R
II	1,441	172R	217R	312R	171R	479R	158R	5,385R
III	1,473	177R	233R	307R	189R	492R	150R	5,330R
IV	1,489	167	217	298	163	477	149	5,120

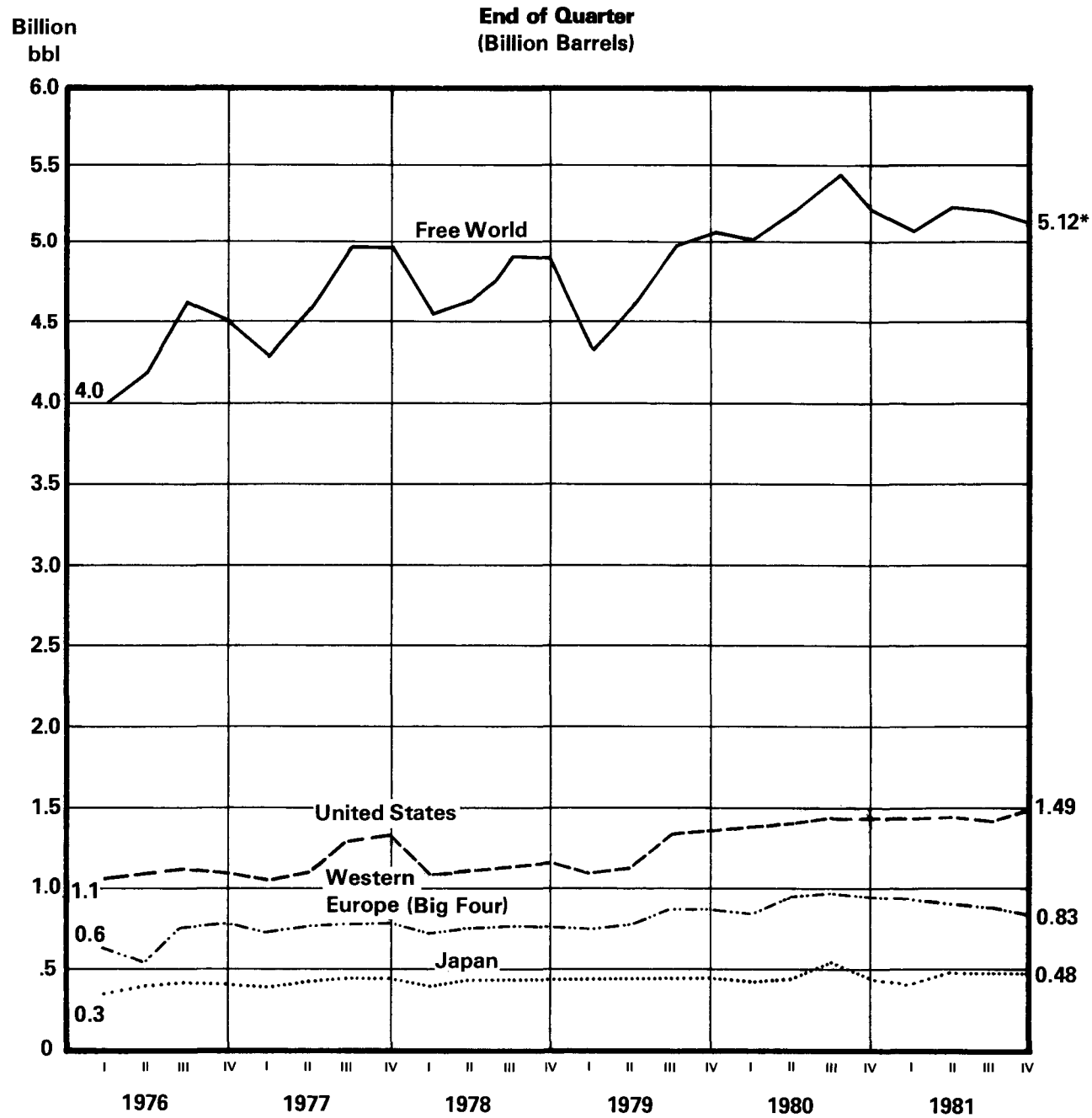
* U.S. stocks include the Strategic Petroleum Reserve which held 248.5 million barrels as of March 31, 1982.

** Japanese stocks include government-owned strategic stockpiles estimated at 56.8 million barrels at the end of October 1981.

*** Including oil at sea.

Sources: DOE/EIA, OECD Quarterly Oil Statistics, DOE/IA estimates.

World Crude Oil and Refined Product Inventory Levels, 1976—



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								
I	17,460	1,845	2,845	2,465	1,930	1,995	5,210	39,315
II	17,825	2,010	2,940	2,840	2,175	2,195	5,625	41,505
III	16,485	1,680	2,700	2,210	1,855	1,735	4,805	36,510
IV	16,685	1,730	2,830	2,185	1,685	1,990	4,825	37,340
	18,830	1,975	2,945	2,665	2,025	2,090	5,645	42,355
1977								
I	18,430	1,860	2,870	2,345	1,940	1,915	5,405	40,455
II	19,675	1,985	2,855	2,735	2,125	2,150	6,095	43,680
III	17,525	1,750	2,830	2,225	1,845	1,730	4,885	38,165
IV	17,765	1,750	2,875	1,915	1,710	1,745	5,080	38,230
	18,775	1,965	2,920	2,520	2,080	2,030	5,570	41,765
1978								
I	18,845	1,860R	2,930R	2,440R	1,960R	1,970R	5,425R	40,795R
II	20,075	1,975R	3,050R	2,860R	2,135R	2,185R	5,945R	43,835R
III	18,080	1,710R	2,875R	2,310R	1,900R	1,730R	4,915R	38,100R
IV	18,075	1,760R	2,855R	1,835R	1,740R	1,800R	5,055R	38,150R
	19,175	1,995R	2,950R	2,760R	2,060R	2,165R	5,790R	42,730R
1979								
I	18,515	1,940R	3,010R	2,470R	1,960R	2,045R	5,510R	41,453R
II	20,370	2,050R	3,100R	2,975R	2,225R	2,305R	6,145R	45,720R
III	17,675	1,795R	2,970R	2,340R	1,875R	1,810R	5,150R	39,310R
IV	17,565	1,870R	2,955R	2,020R	1,755R	1,860R	5,095R	38,685R
	18,470	2,050R	3,015R	2,560R	1,990R	2,205R	5,655R	42,135R
1980								
I	17,055R	1,890R	2,630R	2,310R	1,670R	1,955R	5,014R	38,180R
II	18,340R	1,965R	2,830R	2,640R	1,935R	2,190R	5,840R	41,775R
III	16,400R	1,770R	2,630R	2,215R	1,595R	1,780R	4,650R	36,390R
IV	16,115R	1,820R	2,685R	1,880R	1,455R	1,745R	4,440R	35,600R
	17,375R	2,000R	2,380R	2,500R	1,695R	2,095R	5,130R	38,980R
1981								
I	17,020R	1,935R	2,590R	2,445R	1,665R	2,235R	5,535R	39,010R
II	15,485	1,755R	2,280R	1,910R	1,475R	1,690R	4,240R	33,895R
III**	15,520R	1,735R	2,430R	1,715R	1,445R	1,635R	4,235R	33,855R
IV**	15,990	1,745	2,410	2,260	1,675	2,035	4,975	NA

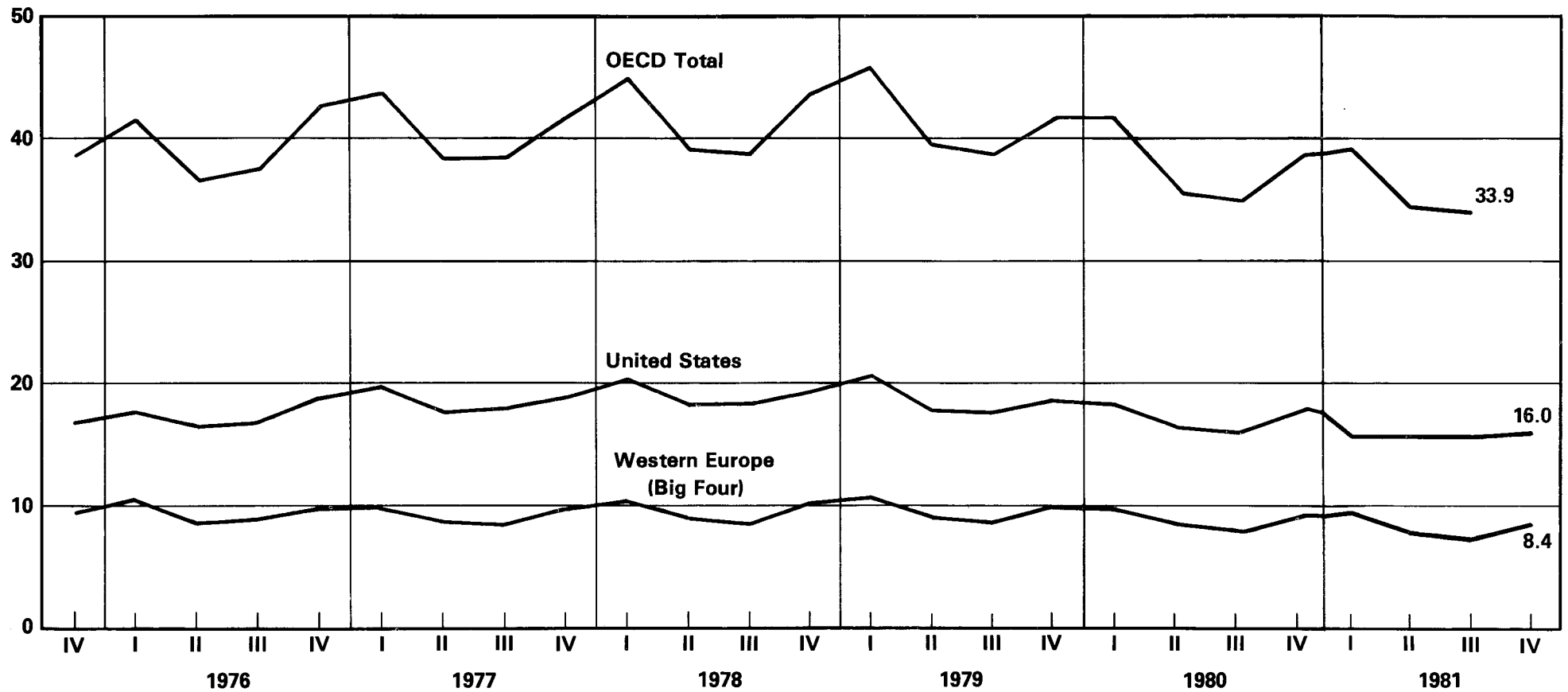
SOURCES: DOE/EIA, Annual Petroleum Statement, Monthly Petroleum Statistics Report; OECD Quarterly Oil Statistics.

* Excluding U.S. territories.

** Preliminary.

Oil Consumption in OECD Countries, 1975 —

(Million Barrels per Day)



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

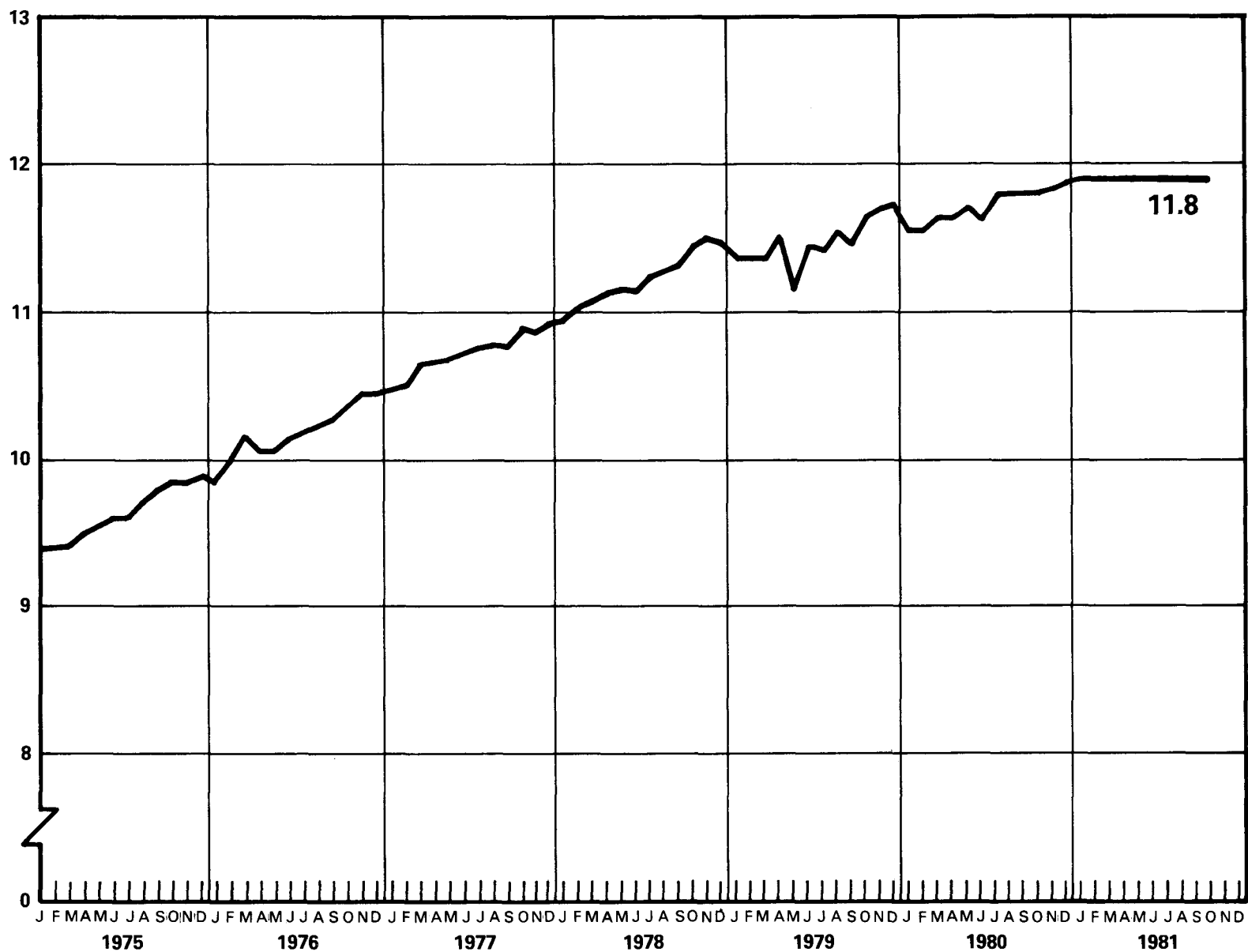
Month	Production	Annual Exports (Total)	Month	Production	Annual Exports (Total)	Month	Production	Annual Exports (Total)	Month	Production	Annual Exports (Total)
1975			1977			1979			1981		
January	9,400		January	10,430		January	11,370		January *	11,800	
February	9,400		February	10,470		February	11,370		February *	11,800	
March	9,400		March	10,620		March	11,370		March *	11,800	
April	9,500		April	10,640		April	11,510		April *	11,800	
May	9,550		May	10,640		May	11,110		May *	11,800	
June	9,600		June	10,700		June	11,460		June *	11,800	
July	9,600		July	10,740		July	11,400		July *	11,800	
August	9,700		August	10,780		August	11,560		August *	11,800	
September	9,800		September	10,760		September	11,460		September *	11,800	
October	9,850		October	10,880		October	11,630		October *	11,800	
November	9,840		November	10,820		November	11,700		November *	11,800	
December	9,880		December	10,900		December	11,720				
AVERAGE	9,630	2,600	AVERAGE	10,700	3,065	AVERAGE	11,470	3,140			
1976			1978			1980					
January	9,850		January	10,905		January	11,560				
February	9,980		February	11,005		February	11,550				
March	10,180		March	11,075		March	11,640				
April	10,050		April	11,105		April	11,630				
May	10,050		May	11,145		May	11,700				
June	10,120		June	11,125		June	11,630				
July	10,190		July	11,230		July	11,800				
August	10,210		August	11,280		August	11,800				
September	10,250		September	11,300		September	11,800				
October	10,340		October	11,440		October	11,800				
November	10,420		November	11,490		November	11,820				
December	10,420		December	11,470		December	11,890				
AVERAGE	10,170	2,970	AVERAGE	11,215	3,160	AVERAGE	11,720	3,000			

* Preliminary

Source: CIA

NOTE: Exports include crude oil and petroleum products.

USSR Crude Oil Production, 1975- (Miliion Barrels per Day)



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	1981	Jan-Feb 1982	Current Capacity
Argentina	0.0	1.0	2.5	2.6	1.6	2.9	2.7	2.3	2.8	0.5	357
Belgium	0.0	0.1	6.8	10.0	11.9	12.5	11.4	12.5	12.8	2.1	1,744
Canada	18.3	15.4	13.2	18.0	26.8	32.9	38.4	40.4	43.3	7.2	5,588
Finland	0.0	0.0	0.0	0.0	2.7	3.3	6.7	7.0	14.5	2.9	2,296
France	11.6	14.7	18.3	15.8	17.9	30.5	39.9	61.2	105.2	21.1	23,068
India	1.9	2.4	2.5	3.2	2.8	2.3	3.2	2.9	3.1	0.4	860
Italy	3.1	3.4	3.8	3.8	3.4	4.4	2.6	2.2	2.7	1.3	1,330
Japan	9.4	18.1	22.2	36.8	28.1	53.2	62.0	81.0	83.5	15.3	15,676
Netherlands	1.1	3.3	3.3	3.9	3.7	4.1	3.5	4.2	3.7	0.5	530
Pakistan	0.5	0.6	0.5	0.5	0.3	0.2	negl.	0.1	0.2	0.02	137
South Korea	0.0	0.0	0.0	0.0	0.1	2.3	3.2	3.5	2.9	0.8	587
Spain	6.5	7.2	7.5	7.6	6.5	7.6	6.7	5.2	9.4	1.9	2,047
Sweden	2.1	1.6	12.0	16.0	19.9	23.8	21.0	26.7	37.7	7.3	6,710
Switzerland	6.2	7.0	7.7	7.9	8.1	8.3	11.8	14.3	15.2	2.8	2,034
Taiwan	0.0	0.0	0.0	0.0	0.1	2.7	6.3	8.2	10.7	1.8	2,257
United Kingdom	28.0	34.0	30.5	36.8	38.1	36.7	38.5	37.2	38.9	6.9	8,980
West Germany	11.9	12.0	21.7	24.5	35.8	35.9	42.2	43.7	53.3	11.2	10,305
Free World (ex U.S.)	100.6	120.8	152.5	187.4	207.8	263.5	300.1	352.6	439.9	84.0	84,506
United States	88.0	104.5	181.8	201.6	263.2	292.7	270.7	265.3	288.6	48.4	58,990*
Free World	188.6	225.3	334.3	389.0	471.0	556.2	570.8	617.9	728.5	132.4	143,496

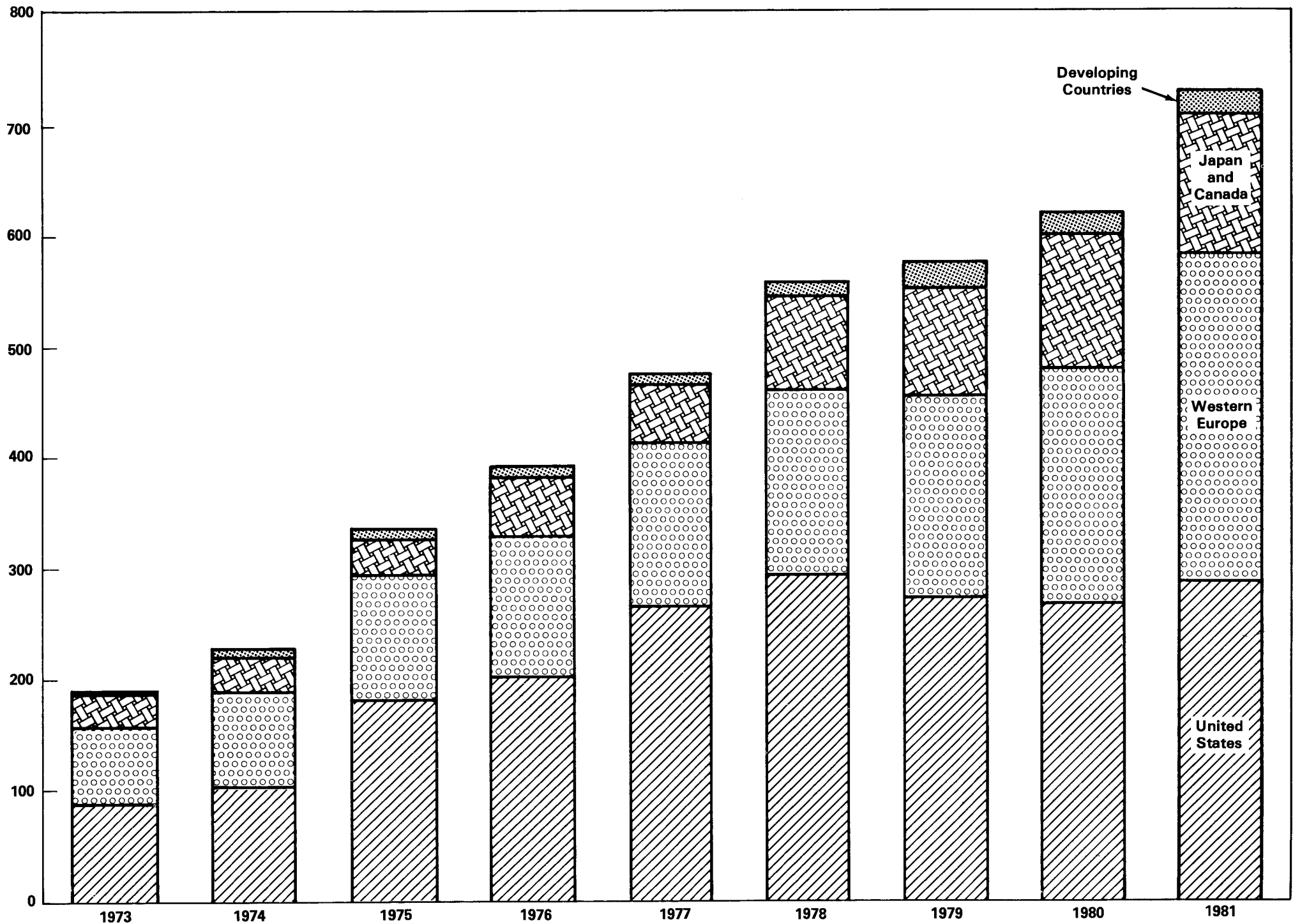
* Excluding 2,047 megawatts of capacity out of service indefinitely.

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	1980:	7,076	1,521	1,564	48	595	10,840
January	7,854	—	1,549	39	538	9,980	January	7,121	1,527	1,647	64	600	10,959
February	8,139	—	1,589	46	514	10,288	February	7,168	1,528	1,651	53	655	11,055
March	8,090	—	1,687	46	515	10,338	March	7,155	1,557	1,569	51	636	10,968
April	8,145	—	1,664	52	478	10,339	April	7,130	1,558	1,626	49	577	10,940
May	8,066	9**	1,620	56	436	10,187	May	7,103	1,537	1,555	48	524	10,767
June	7,973	129**	1,616	54	467	10,239	June	7,012	1,535	1,559	49	600	10,755
July	7,882	223**	1,609	47	554	10,315	July	7,041	1,514	1,513	42	600	10,710
August	7,816	491**	1,593	57	581	10,538	August	6,906	1,516	1,514	40	504	10,480
September	7,763	717**	1,585	51	506	10,622	September	7,102	1,517	1,510	49	679	10,857
October	7,878	695**	1,633	43	552	10,801	October	7,045	1,491	1,498	44	521	10,599
November	7,863	716**	1,627	54	575	10,835	November	7,033	1,466	1,568	44	622	10,733
December	7,768	719**	1,637	59	575	10,758	December	7,102	1,507	1,558	39	630	10,836
1978:	7,617	1,090	1,567	53	496	10,823	1981:	6,952	1,610	1,588	50	504	10,704
January	7,628	732	1,557	59	485	10,461	January	6,927	1,606	1,595	40	572	10,740
February	7,661	716	1,562	56	467	10,462	February	6,979	1,619	1,615	36	564	10,813
March	7,614	1,106	1,590	51	517	10,878	March	6,983	1,618	1,581	35	452	10,669
April	7,776	1,042	1,618	46	478	10,960	April	6,935	1,608	1,551	39	457	10,590
May	7,688	1,137	1,530	48	450	10,853	May	6,917	1,580	1,554	65	495	10,611
June	7,668	1,164	1,583	49	472	10,936	June	6,983	1,632	1,579	65	476	10,735
July	7,600	1,156	1,558	57	389	10,760	July	6,817	1,605	1,547	51	483	10,503
August	7,579	1,179	1,556	55	489	10,858	August	6,974	1,602	1,582	46	485	10,689
September	7,615	1,185	1,546	54	535	10,935	September	6,976	1,610	1,630	65	452	10,733
October	7,614	1,206	1,540	54	555	10,969	October	6,943	1,599	1,601	64	487	10,694
November	7,527	1,214	1,602	51	560	10,954	November	6,977	1,618	1,615	53	564	10,827
December	7,450	1,212	1,566	56	559	10,843	December	6,994	1,630	1,605	45	567	10,841
1979:	7,269	1,283	1,584	44	527	10,707	1982:						
January	7,251	1,224	1,530	37	442	10,484	January	6,957	1,712	1,548	40	478	10,735
February	7,388	1,137	1,561	33	462	10,581							
March	7,375	1,226	1,548	30	431	10,610							
April	7,328	1,225	1,611	35	431	10,630							
May	7,371	1,230	1,570	40	518	10,729							
June	7,303	1,129	1,571	42	590	10,635							
July	7,077	1,287	1,564	41	538	10,507							
August	7,233	1,315	1,575	49	585	10,757							
September	7,200	1,323	1,565	54	584	10,726							
October	7,248	1,373	1,607	61	519	10,808							
November	7,255	1,506	1,676	60	599	11,096							
December	7,203	1,412	1,626	46	626	10,913							

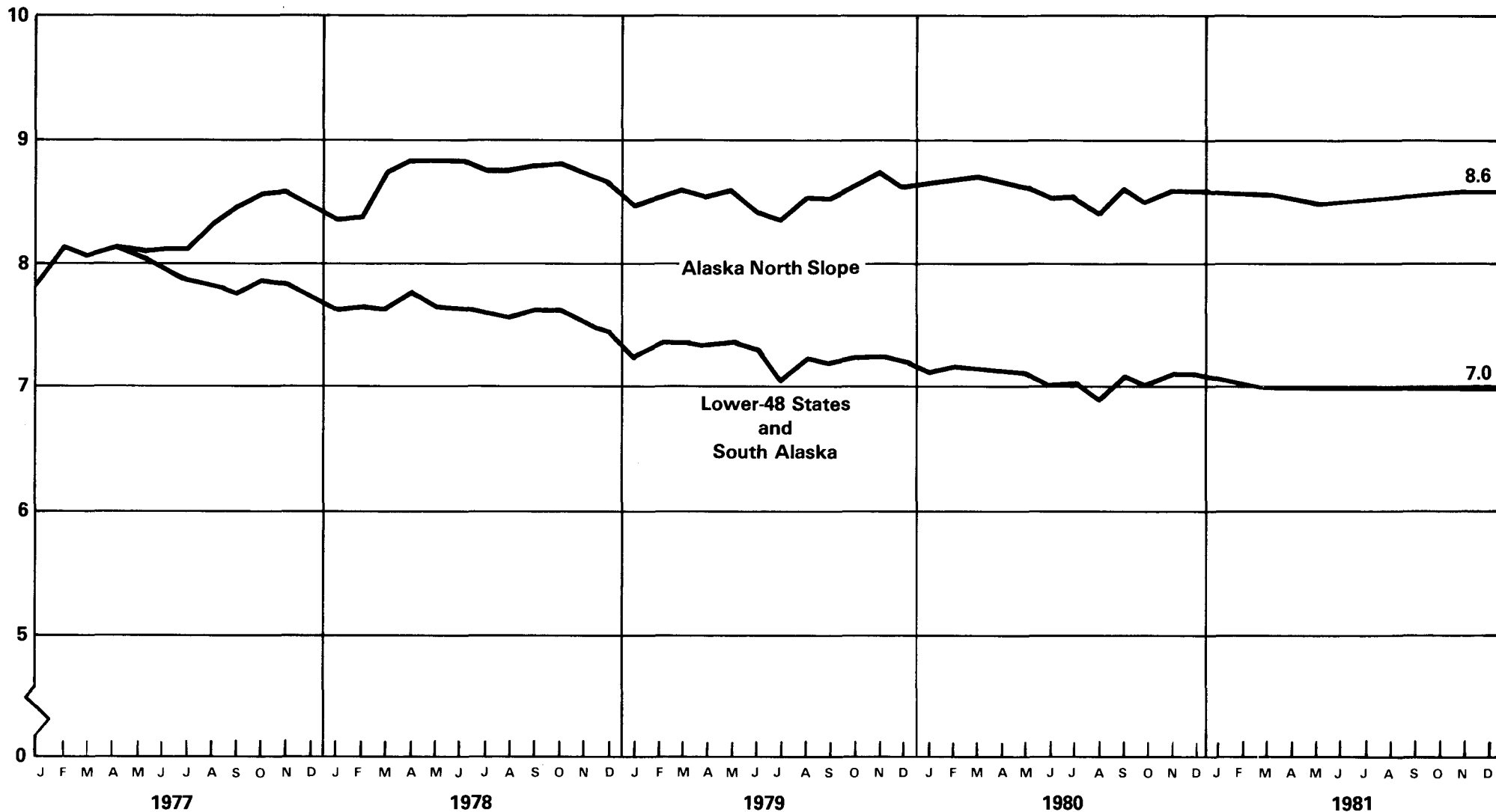
* Including lease condensate.

** Estimated.

SOURCE: EIA, Petroleum Statement (Monthly and Annual)

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

MMB/D



*Including Lease Condensate.

Feb-Mar 1982

U.S. Gross Imports of Crude Oil and Products, 1976— (Thousands Barrels per Day)

Month	Crude Oil	Products	Total	Month	Crude Oil	Products	Total	Month	Crude Oil	Products	Total
1976				1978				1980			
January	4,595	2,071	6,666	January	6,126	2,092	8,218	January	6,359	1,983	8,342
February	4,208	2,423	6,631	February	5,655	2,355	8,010	February	5,936	1,911	7,847
March	4,738	1,945	6,683	March	6,031	2,338	8,369	March	5,785	1,724	7,509
April	4,790	1,805	6,595	April	5,519	2,115	7,634	April	5,555	1,430	6,985
May	4,669	1,654	6,323	May	5,594	1,804	7,398	May	5,071	1,478	6,549
June	5,621	1,858	7,479	June	6,322	1,640	7,962	June	5,480	1,413	6,893
July	5,792	2,099	7,890	July	6,175	1,948	8,123	July	4,645	1,401	6,046
August	5,556	1,826	7,382	August	6,251	1,858	8,109	August	4,723	1,379	6,102
September	5,875	2,038	7,913	September	6,829	1,983	8,811	September	4,653	1,475	6,129
October	5,699	1,808	7,508	October	6,400	1,718	8,119	October	4,570	1,603	6,173
November	5,946	2,115	8,060	November	6,643	2,021	8,664	November	4,524	1,729	6,252
December	5,925	2,468	8,393	December	6,751	2,245	8,996	December	4,848	1,812	6,660
AVERAGE	5,287	2,026	7,313	AVERAGE	6,195	2,008	8,202	AVERAGE	5,177	1,611	6,787
1977				1979				1981			
January	6,281	2,622	8,903	January	6,721	2,223	8,944	January	4,817	1,892	6,709
February	6,659	3,338	9,997	February	6,344	2,069	8,413	February	4,793	1,904	6,697
March	6,699	2,684	9,383	March	6,252	2,386	8,638	March	4,382	1,505	5,886
April	6,821	1,902	8,723	April	6,145	1,682	7,828	April	4,185	1,310	5,495
May	6,818	1,753	8,571	May	6,163	1,830	7,993	May	3,881	1,436	5,317
June	7,065	1,872	8,937	June	6,582	1,680	8,262	June	3,766	1,338	5,104
July	7,068	2,027	9,095	July	6,561	1,956	8,517	July	4,161	1,473	5,634
August	6,395	2,179	8,574	August	6,774	1,781	8,555	August	3,908	1,572	5,480
September	6,429	2,137	8,567	September	6,426	1,597	8,023	September	4,279	1,612	5,890R
October	6,409	1,862	8,272	October	6,890	1,798	8,688	October	3,929R	1,557R	5,486R
November	6,248	1,814	8,062	November	6,228	1,913	8,141	November	3,720R	1,619R	5,339R
December	6,248	2,198	8,446	December	6,318	2,310	8,628	December	4,024	1,707	5,730
AVERAGE	6,594	2,193	8,787	AVERAGE	6,452	1,937	8,389	AVERAGE	4,150	1,576	5,726

1982

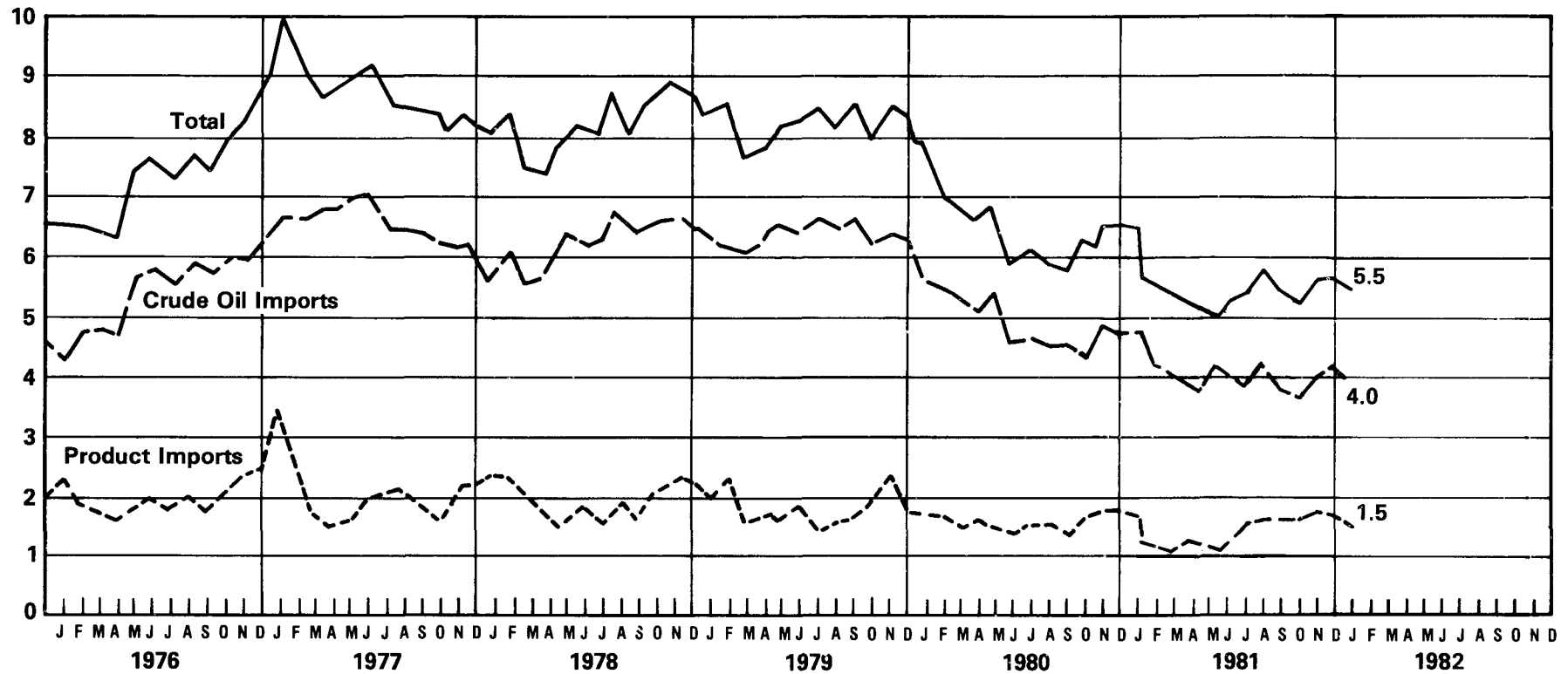
January* 3,974 1,531 5,505

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,* 1976— (Million Barrels per Day)



*SPR imports 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					
December	13.02	11.03	January			January	34.06	19.31
			February			February	34.38	19.29
			March			March	34.42	19.17
			April			April	34.16	18.92
			May			May	33.73	18.52
			June			June	34.29	18.65
			July			July	33.72	18.14
			August			August	33.23	17.74
			September			September	33.66	17.81
			October			October	34.88R	18.42R
			November			November	34.91	18.36
			December			December*	35.39	18.58

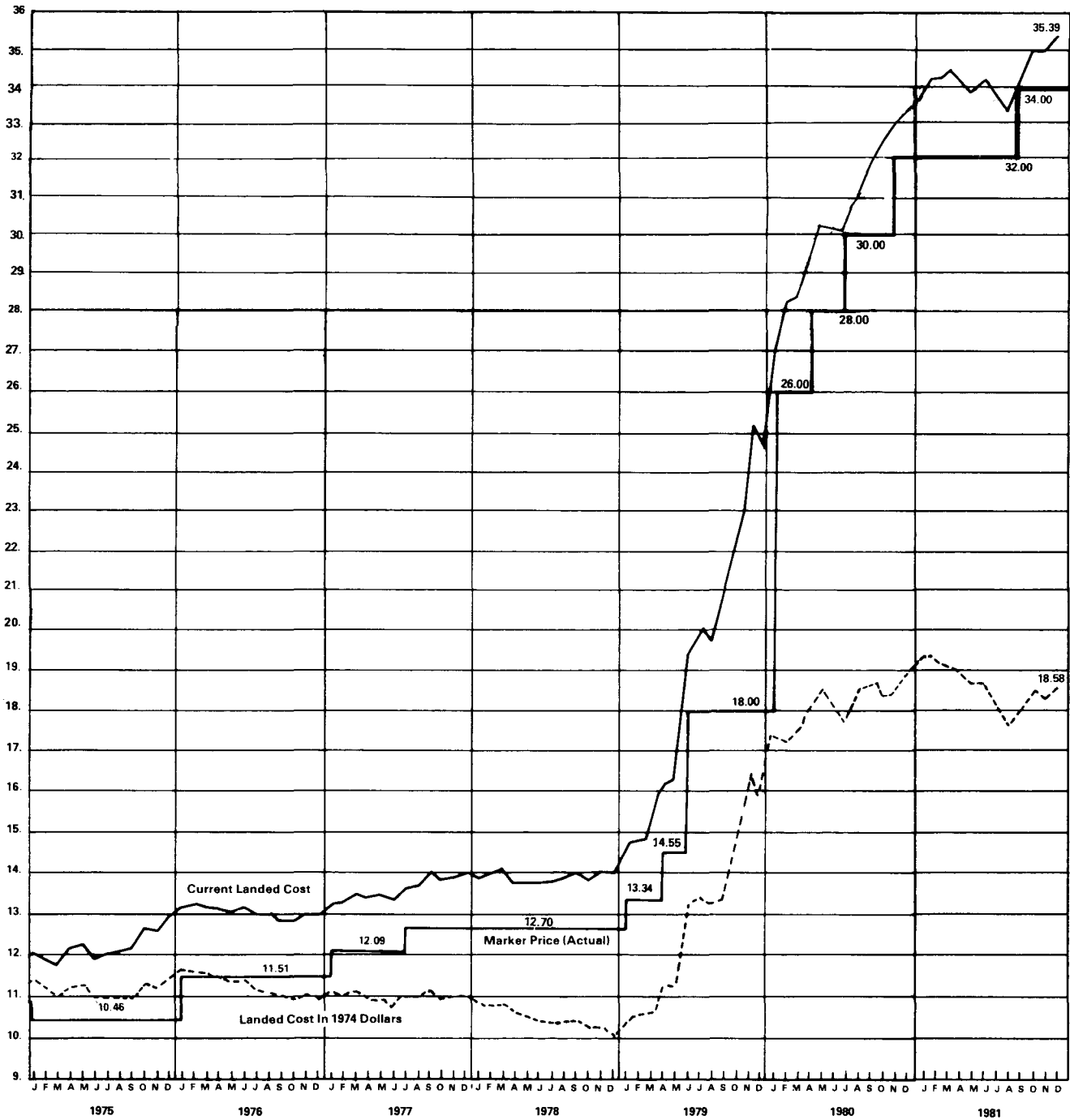
* Preliminary

Deflator, CPI (All urban)

SOURCES: DOE/EIA, Monthly Energy Review; Department of Commerce, Survey of Current Business

Landed Cost of Saudi Crude Oil in Current and 1974 Dollars

(U.S. Dollars per Barrel)

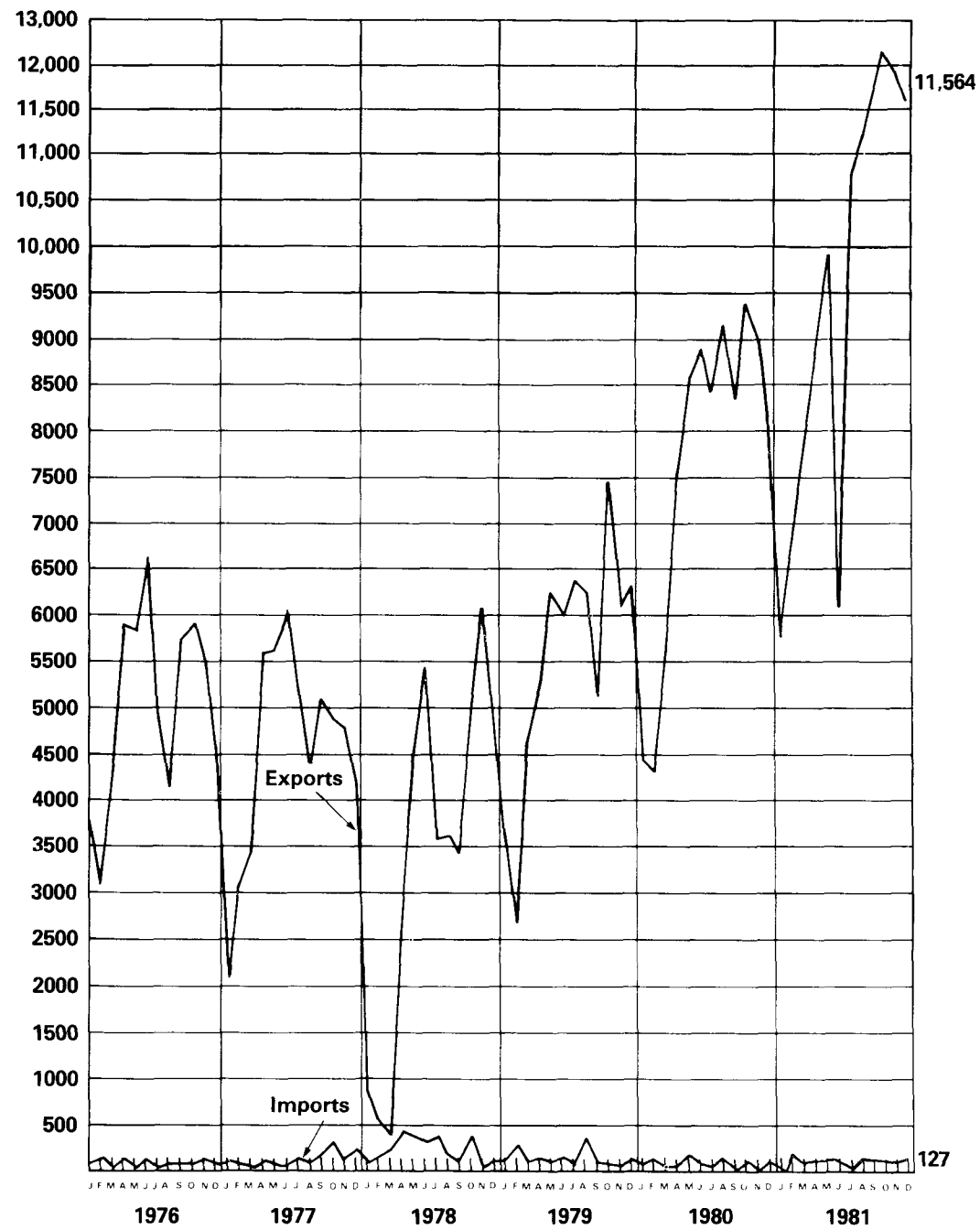


U.S. Coal Trade,* 1975 — (Thousand Short Tons)

	Imports	Exports		Imports	Exports		Imports	Exports		Imports	Exports
1975:	940	66,309	1977:	1,647	54,312	1979:	2,059	66,042	1981:	1,043	112,541
January			January	123	2,180	January	186	3,607	January	35	5,795
February			February	75	3,121	February	252	2,728	February	104	6,771
March			March	31	3,449	March	123	4,644	March	77	9,710
April			April	170	5,655	April	161	5,271	April	63	8,271
May			May	94	5,757	May	112	6,217	May	96	6,086
June		NA	June	92	6,045	June	209	5,978	June	138	6,158
July			July	112	5,222	July	88	6,300	July	13	10,762
August			August	100	4,334	August	320	6,249	August	150	11,315
September			September	175	5,131	September	180	5,148	September	69	11,900
October			October	274	4,931	October	152	7,447	October	94	12,360
November			November	170	4,566	November	130	6,173	November	76	11,849
December			December	231	3,921	December	146	6,280	December	127	11,564
1976:	1,203	60,021	1978:	2,953	40,714	1980:	1,194	91,742			
January	103	3,711	January	139	896	January	121	4,460			
February	114	3,074	February	159	590	February	193	4,041			
March	40	4,000	March	231	379	March	93	5,633			
April	132	5,846	April	417	2,615	April	63	7,563			
May	90	5,747	May	323	4,475	May	207	8,597			
June	192	6,644	June	291	5,431	June	104	8,899			
July	39	4,927	July	313	3,576	July	32	8,247			
August	90	4,270	August	227	3,636	August	166	9,270			
September	65	5,734	September	196	3,456	September	2	8,364			
October	94	5,913	October	371	5,055	October	139	9,454			
November	149	5,507	November	98	6,032	November	3	8,987			
December	95	4,648	December	188	4,573	December	70	9,228			

* 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)

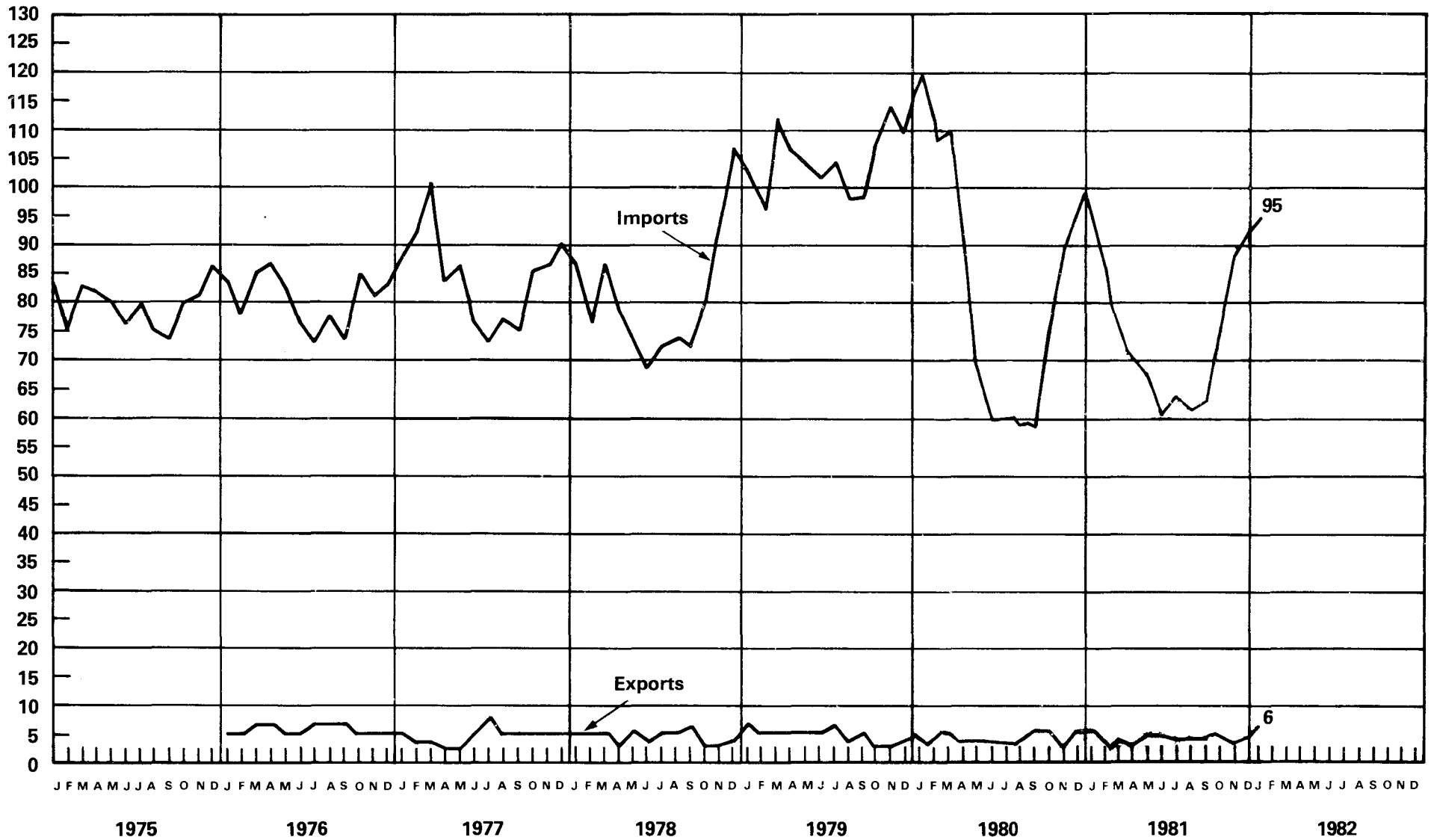


U.S. Natural Gas Trade, 1975— (Billion Cubic Feet)

	Imports	Exports		Imports	Exports		Imports	Exports		Imports	Exports
1975:	953	73	1977:	1,011	56	1979:	1,253	56	1981:	877	50
January	81	NA	January	87	5	January	102	6	January	86	5
February	75	NA	February	92	4	February	97	5	February	79	3
March	83	NA	March	101	4	March	113	5	March	73	4
April	82	NA	April	84	3	April	106	5	April	68	3
May	80	NA	May	86	3	May	104	5	May	61	5
June	76	NA	June	76	5	June	101	5	June	63	5
July	80	NA	July	73	7	July	104	6	July	64	3
August	75	NA	August	76	5	August	97	4	August	62	4
September	74	NA	September	75	5	September	98	5	September	67	4
October	80	NA	October	85	5	October	107	3	October	78	5
November	81	NA	November	86	5	November	114	3	November	82R	4
December	86	NA	December	90	5	December	110	4	December	94	5
1976:	964	65	1978:	966	53	1980:	985	49	1982:		
January	84	5	January	86	5	January	118	6	January	95	6
February	78	5	February	77	5	February	108	5			
March	85	6	March	86	5	March	109	5			
April	86	6	April	78	3	April	77	3			
May	82	5	May	74	5	May	70	3			
June	76	5	June	68	4	June	61	3			
July	73	6	July	72	5	July	61	3			
August	77	6	August	74	5	August	60	3			
September	74	6	September	73	6	September	60	5			
October	85	5	October	80	3	October	75	5			
November	81	5	November	91	3	November	88	3			
December	83	5	December	107	4	December	98	5			

SOURCE: EIA, Monthly Energy Review.

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



Feb-Mar 1982

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	7,416	35,379
II	1,228	18,182	11,777	31,187	II	10,611	18,085	8,543	37,239
III	1,134	16,504	10,910	28,547	III	11,283	18,039	7,603	36,925
IV	1,044	17,642	11,402	30,088	IV	10,491	19,650	7,987	38,128
TOTAL	4,184	69,339	45,484	119,007	TOTAL	44,537	71,583	31,550	147,670
1978					1978				
Quarter I	495	17,900	11,967	30,363	Quarter I	10,355	21,527	8,634	40,518
II	1,075	21,084	14,194	36,352	II	10,220	23,834	9,147	43,200
III	1,005	19,834	13,855	34,693	III	10,751	23,664	8,727	43,142
IV	1,306	23,032	15,295	39,633	IV	10,771	24,861	9,487	45,119
TOTAL	3,881	81,850	55,310	141,041	TOTAL	42,096	93,887	35,996	171,979
1979					1979				
Quarter I	1,078	23,324	15,950	40,353	Quarter I	11,703	24,304	9,384	45,391
II	1,438	25,039	17,146	43,624	II	12,934	26,487	10,691	50,111
III	1,473	23,947	18,458	43,879	III	16,618	26,305	10,198	53,122
IV	1,632	26,969	21,970	50,571	IV	18,741	27,653	11,237	57,633
TOTAL	5,621	99,279	73,527	178,426	TOTAL	59,998	104,748	41,510	206,256
1980					1980				
Quarter I	1,484	29,407	21,143	52,034	Quarter I	22,834	28,821	11,337	62,993
II	2,097	31,631	21,782	55,510	II	21,223	29,098	11,408	61,729
III	2,120	29,845	20,097	52,062	III	18,725	28,454	11,014	58,193
IV	2,281	32,348	22,357	56,986	IV	20,142	30,155	11,660	61,956
TOTAL	7,982	123,231	85,379	216,592	TOTAL	82,924	116,528	45,419	244,871
1981					1981				
Quarter I	2,151	32,986	23,476	58,614	Quarter I	22,433	30,654	11,977	65,064
II	1,997	35,955	21,620	59,572	II	21,169	33,358	12,223	66,752
III	2,710	42,321	12,938	57,969	III	19,854	40,250	7,519	67,623
IV	3,054	40,422	13,726	57,202	IV	19,377	41,279	7,806	68,462

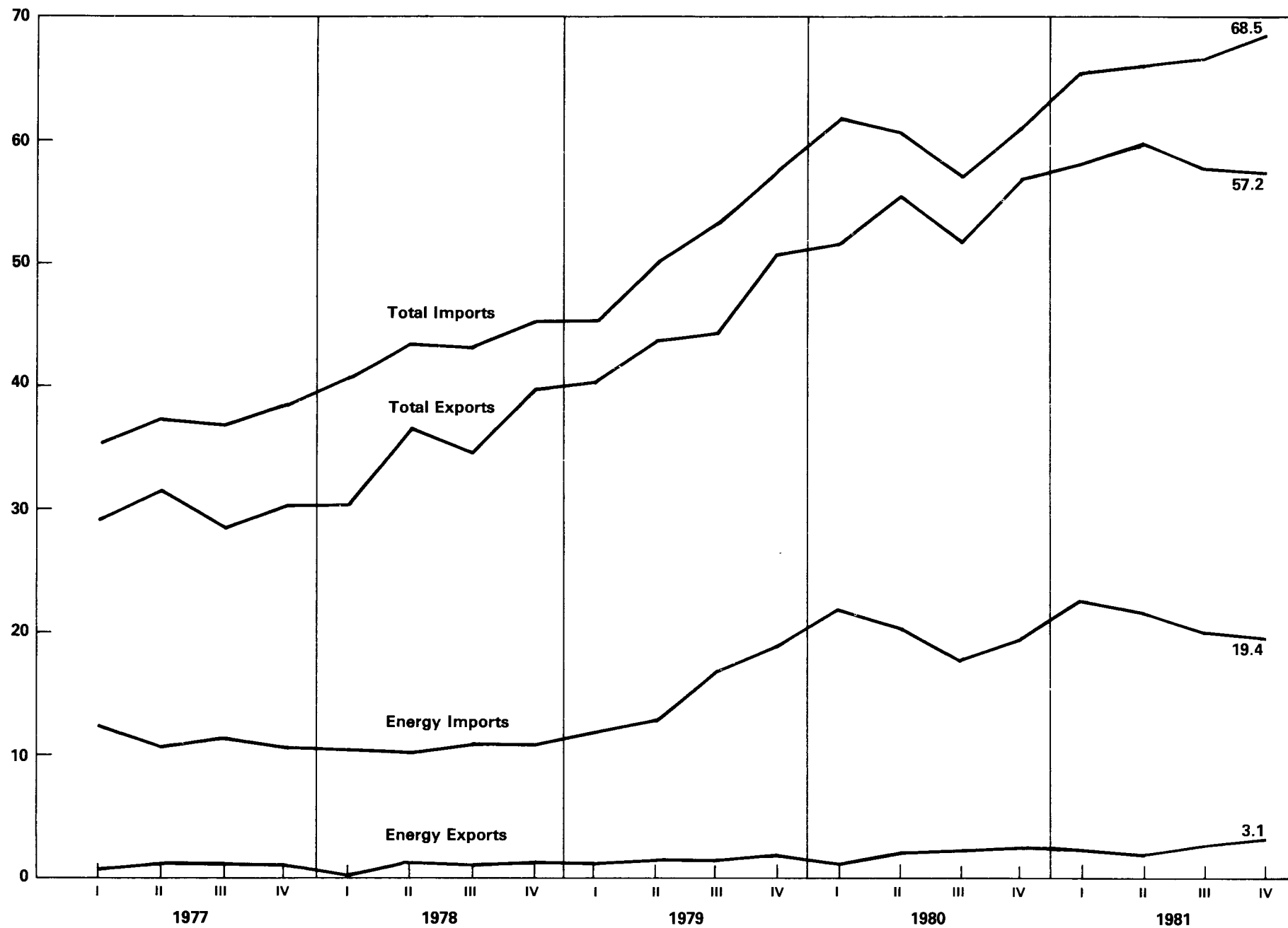
* Data are not seasonally adjusted.

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 FT 990, Highlights of U.S. Export and Import Trade. Exports and Imports are on f.a.s. (free alongside ship) basis.

Summary of U.S. Merchandise Trade, 1977 —

(Billion Dollars)



NOTE: Data are 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	1974			
1948	33.881	487.7	69.471	I	19.263	1230.2	63.504
1949	33.489	490.7	64.171	II	17.046	1224.5	55.836
1950	33.992	533.5	63.715	III	17.364	1216.9	56.611
				IV	18.926	1199.7	62.588
1951	36.775	576.5	63.790	1975			
1952	36.458	598.5	60.916	I	19.249	1171.6	66.631
1953	37.586	621.8	60.447	II	16.367	1189.9	55.171
1954	36.263	613.7	59.089	III	16.572	1220.0	53.891
1955	39.703	654.8	60.634	IV	18.369	1227.9	59.351
1956	41.700	668.8	62.350				
1957	41.706	680.9	61.251	1976			
1958	41.606	679.5	61.363	I	19.701	1255.5	63.112
1959	43.140	720.4	59.883	II	17.085	1268.0	54.192
1960	44.569	736.8	60.490	III	17.317	1276.5	53.969
				IV	20.227	1284.0	62.670
1961	45.319	755.3	60.001	1977			
1962	47.422	799.1	59.344	I	20.543	1306.7	63.759
1963	49.308	830.7	59.357	II	17.522	1325.5	53.022
1964	51.240	874.4	58.600	III	18.018	1343.9	53.192
1965	53.343	925.9	57.612	IV	19.664	1354.5	57.597
1966	56.412	981.0	57.505				
1967	58.265	1007.7	57.820	1978			
1968	61.763	1051.8	58.721	I	21.295	1402.3	61.587
1969	64.979	1078.8	60.233	II	18.211	1432.8	50.980
1970	67.143	1075.3	62.441	III	18.462	1446.7	50.630
				IV	20.189	1465.8	54.644
1971	68.698	1122.4	61.206	1979			
1972	71.610	1185.9	60.384	I	22.190	1479.9	60.810
1973	74.609	1255.0	59.449	II	18.320	1473.4	49.872
1974	72.759	1248.0	58.300	III	18.343	1488.2	48.901
1975	70.707	1233.9	57.303	IV	20.114	1490.6	53.536
1976	74.510	1300.4	57.297				
1977	76.332	1371.7	55.647	1980			
1978	78.150	1436.9	54.387	I	21.347	1501.9	57.166
1979	78.968	1483.0	53.248	II	17.561	1463.3	48.267
1980	76.201	1480.7	51.463	III	17.602	1471.9	47.575
				IV	19.691	1485.6	52.730
				1981			
				I	20.116R	1516.4	53.799R
				II	17.224R	1510.4	45.740R
				III	17.641R	1515.8	46.173R
				IV	18.935	1497.6	50.162

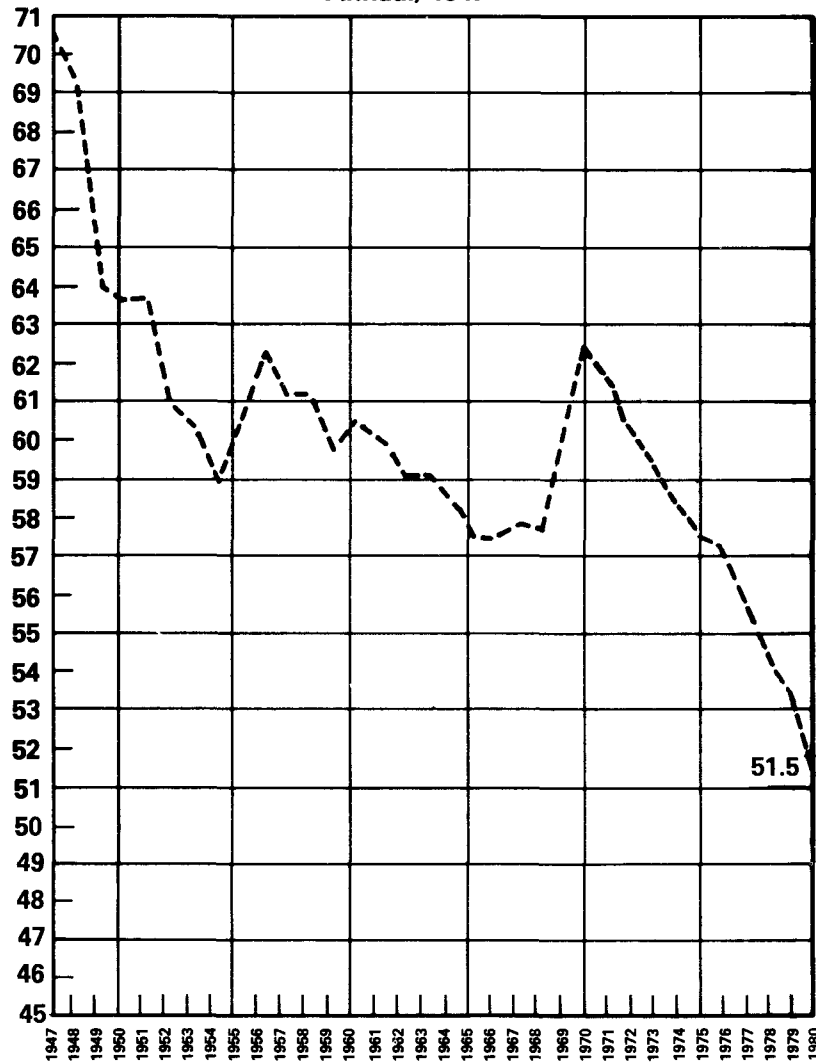
* At annual rate

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

U.S. Energy/GNP Ratio

1,000 Btu
per Dollar GNP

Annual, 1947-



Quarterly, 1974-

