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International Energy Indicators

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**U.S. Department
of Energy**

International Affairs
Office of Market Analysis

February 1981

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of Energy**

International Affairs
Office of Market Analysis

Dr. Elizabeth K. Bauer, Editor, 202-252-5162, 7A-029 Forrestal Building

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World crude oil production rose steadily from some 53 MMB/D in 1975 to 62.6 MMB/D in 1979, with the OPEC countries accounting for the bulk of the gain in most years. In the first 11 months of 1980, total world production dropped to 59.5 MMB/D, and the level of OPEC production was slightly below its 1975 figure.	
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UNITED STATES

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

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In January, gross U.S. imports stood at 7.0 MMB/D. The 12-month moving average, based on adjusted figures, was down to 6.5 MMB/D.

Landed Cost of Saudi Crude in Current and 1974 Dollars

22

According to data derived from information provided to DOE, preliminary figures show that the landed cost of Saudi Light crude stood at \$31.22 in October. In 1974 dollars, the October price was \$18.17 representing a real increase between April 1974 and October 1980 of \$6.27.

U.S. Trade in Bituminous Coal, 1973 —

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In December, exports fell to 8.1 million short tons of bituminous coal and imports were 70,000 short tons. The 12-month moving average for exports was 7.5 million short tons in December, representing a steady rise since 3Q78.

Summary of U.S. Merchandise Trade, 1976 —

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The deficit rose in December to almost \$3 billion. Manufactured goods showed a surplus of almost \$1.5 billion and agriculture's surplus was \$2.3 billion. The deficit in energy rose to \$6.78 billion in December, up from \$5.4 billion in November.

Energy/GNP Ratio

28

Third quarter 1980 preliminary figures follow the normal seasonal pattern. The adjusted moving average was 53.22.

World Crude Oil Production, 1975—
(In Thousands of Barrels a Day)

	1975	1976	1977	1978	1979	1980 ¹											
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
World	52,995	57,360	59,680	60,145	62,560	61,995	62,320	61,445	60,225	59,710	59,870	59,495	59,305	57,950	55,710	56,175	
Non-Communist Countries	41,345	44,970	46,620	46,380	48,530	47,900	48,235	47,270	46,060	45,475	45,705	45,160	44,950	43,615	41,425	41,850	
OECD	10,755	10,695	11,360	12,190	12,760	13,030	13,110	13,110	12,870	12,895	12,805	12,625	12,650	12,595	12,660	12,540	
United States	8,375	8,130	8,245	8,705	8,550	8,650	8,695	8,710	8,690	8,640	8,545	8,555	8,420	8,540	8,570	8,500	
Canada	1,420	1,300	1,320	1,315	1,495	1,480	1,485	1,490	1,360	1,445	1,495	1,475	1,440	1,320	1,250	1,200	
Norway	190	280	280	350	405	580	620	560	540	560	555	265	545	500	530	535	
United Kingdom	20	245	770	1,080	1,570	1,605	1,655	1,685	1,550	1,625	1,595	1,585	1,535	1,540	1,570	1,730	
Other	750	740	745	740	740	715	655	665	730	625	615	745	710	695	740	575	
Non-OPEC LDCs	3,450	3,630	4,035	4,395	4,945	5,190	5,215	5,325	5,385	5,405	5,405	5,500	5,465	5,560	5,685	5,460	
Egypt	230	330	415	465	525	550	580	600	600	600	600	600	575	575	605	625	
Mexico	720	800	980	1,215	1,460	1,720	1,725	1,830	1,885	1,910	1,905	2,015	2,000	2,125	2,180	1,900	
Other ²	2,500	2,500	2,640	2,715	2,960	2,920	2,910	2,895	2,900	2,895	2,900	2,885	2,890	2,860	2,900	2,935	
OPEC	27,140	30,645	31,225	29,795	30,825	29,680	29,910	28,835	27,805	27,175	27,495	27,035	26,835	25,460	23,080	23,850	
Algeria	960	980	1,095	1,160	1,175	1,200	1,200	1,200	1,000	1,000	1,000	900	900	900	1,000	1,000	
Ecuador	160	190	185	200	225	230	230	190	250	230	230	220	240	180	230	225	
Gabon	225	225	220	210	205	180	180	180	180	180	180	180	180	180	180	180	
Indonesia	1,310	1,505	1,685	1,635	1,595	1,565	1,550	1,575	1,550	1,550	1,575	1,565	1,565	1,565	1,575	1,575	
Iran	5,350	5,885	5,665	5,240	3,100	2,300	2,500	2,000	1,800	1,300	1,500	1,500	1,300	1,100	450	700	
Iraq	2,260	2,415	2,350	2,560	3,435	3,500	3,500	3,500	3,500	3,500	3,500	3,400	3,400	2,900	150	300	
Kuwait	1,840	1,910	1,785	1,895	2,215	1,850	2,035	1,770	1,285	1,235	1,320	1,115	1,145	1,050	1,100	1,200	
Libya	1,480	1,935	2,065	1,980	2,065	2,100	2,100	2,000	1,750	1,700	1,700	1,680	1,690	1,680	1,665	1,680	
Neutral Zone	495	465	390	475	565	585	565	580	540	555	545	535	520	480	510	530	
Nigeria	1,785	2,065	2,085	1,895	2,305	2,150	2,150	2,155	2,190	2,140	2,195	2,100	2,050	1,600	1,880	2,060	
Qatar	440	495	445	485	505	500	455	500	500	475	440	460	470	460	440	475	
Saudi Arabia	6,825	8,345	9,015	8,065	9,250	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	10,000	10,000	
United Arab Emirates	1,665	1,935	2,000	1,830	1,830	1,740	1,740	1,695	1,710	1,765	1,750	1,710	1,665	1,675	1,675	1,695	
Venezuela	2,345	2,295	2,240	2,165	2,355	2,280	2,205	1,990	2,050	2,045	2,060	2,170	2,210	2,190	2,225	2,230	
Communist Countries	11,650	12,390	13,060	13,765	14,030	14,095	14,085	14,175	14,165	14,235	14,165	14,335	14,355	14,335	14,285	14,325	
USSR	9,630	10,170	10,700	11,215	11,470	11,560	11,550	11,640	11,630	11,700	11,630	11,800	11,800	11,800	11,800	11,820	
China	1,540	1,735	1,875	2,080	2,120	2,120	2,120	2,120	2,120	2,120	2,120	2,120	2,140	2,120	2,070	2,090	
Other ³	480	485	485	470	440	415	415	415	415	415	415	415	415	415	415	415	

¹ Preliminary.

² Including Israel.

³ Albania, Bulgaria, Cuba, Czechoslovakia, East Germany, Hungary, Poland, Romania, and Yugoslavia.

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

MMB/D
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World Crude Oil Production, 1975— (In Millions of Barrels a Day)

¹Preliminary.

Year-to-Date¹

Iran: Crude Oil Capacity, Production and Shut-In, 1974 -
(In Thousands of Barrels per Day)

Date	Capacity	Production	Shut-in	Date	Capacity	Production	Shut-in	Date	Capacity	Production	Shut-in
1974		6,020		1977		5,665		1980			
June	6,500	6,040	460	January	6,700	5,060	1,640	January	4,000	2,300	1,700
July	6,500	6,040	460	February	6,700	6,050	650	February	4,000	2,500	1,500
August	6,500	5,950	550	March	6,700	6,280	420	March	4,000	2,000	2,000
September	6,800	5,850	950	April	6,700	5,410	1,290	April	3,500	1,800	1,700
October	6,800	5,710	1,090	May	6,700	5,740	960	May	3,500	1,300	2,200
November	6,500	6,030	470	June	6,700	5,100	1,600	June	3,500	1,500	2,000
December	6,500	5,820	680	July	6,700	4,710	1,990	July	3,000	1,500	1,500
				August	6,700	5,660	1,040	August	3,000	1,300	1,700
1975		5,350		September	6,700	5,970	730	September	3,000	1,100	1,900
January	6,500	5,540	960	October	6,000	5,570	430	October	3,000	450	2,550
February	6,500	5,900	600	November	6,500*	6,090	410	November	3,000	700	2,300
March	6,500	5,510	990	December	6,500*	6,390	110	December	3,000	1,500	1,500
April	6,500	5,460	1,040								
May	6,500	5,090	1,410	1978		5,240					
June	6,500	5,130	1,370	January	6,500	5,340	1,160				
July	6,500	5,440	1,060	February	6,500	5,580	920				
August	6,500	5,510	990	March	6,500	5,850	850				
September	6,800	6,100	700	April	6,500	5,660	840				
October	6,800	4,730	2,070	May	6,500	5,770	730				
November	6,800	5,000	1,800	June	6,500	5,880	820				
December	6,800	4,860	1,940	July	6,500	5,850	850				
				August	6,500	5,860	840				
1976		5,885		September	6,500	6,100	400				
January	6,500	4,940	1,560	October	6,600	5,540	1,060				
February	6,500	5,020	1,480	November	6,600	3,540	3,060				
March	6,500	5,740	760	December	6,600	2,420	4,180				
April	6,500	5,500	1,000								
May	6,500	5,600	900	1979		3,035					
June	6,500	6,100	400	January	6,600	410	6,190				
July	6,500	5,570	930	February	6,600	760	5,840				
August	6,500	5,820	680	March	5,500**	2,190	3,310				
September	6,600	6,470	130	April	5,500**	3,800	1,700				
October	6,600	6,510	90	May	5,500**	4,100	1,400				
November	6,700	6,680	20	June	5,500**	3,950	1,550				
December	6,700	6,630	70	July	5,000	3,750	1,250				
				August	5,000	3,600	1,400				
				September	4,500	3,800	900				
				October	4,500	3,930	570				
				November	4,500	3,170	1,330				
				December	4,000	3,000	1,000				

*Adjusted

**Capacity figure provided by National Iranian Oil Co.

Source: CIA, Energy Branch;

Capacity figures: estimates by DOE/IA since July 1979

Production figures: revised estimates by DOE/IA for 1980

Iran—Capacity, Production and Shut-In, 1974 - **(In Millions of Barrels a Day)**

MMB/D

Saudi Arabia: Crude Oil Capacity, Production and Shut-In, 1974 -
(In Thousands of Barrels per Day)

Date	Capacity	Production	Shut-in	Date	Capacity	Production	Shut-in	Date	Capacity	Production	Shut-in
1974		8,480		1977		9,200		1980			
March	10,600	8,130	2,470	January	11,000	8,490	2,510	January	9,800	9,785	15
April	9,600	8,650	950	February	11,000	9,620	1,380	February	9,800	9,780	20
May	9,700	9,020	680	March	11,400	9,840	1,560	March	9,800	9,790	10
June	11,500	8,890	2,610	April	11,400	10,200	1,200	April	9,800	9,765	35
July	11,500	8,790	2,710	May	11,400	8,460	2,940	May	9,800	9,775*	25
August	11,500	8,280	3,220	June	11,400	9,560	1,840	June	9,800	9,775*	25
September	11,500	8,770	2,730	July	10,800	9,800	1,000	July	9,800	9,775*	25
October	11,500	9,050	2,450	August	10,800	8,630	2,170	August	9,800	9,775*	25
November	10,300	8,810	1,490	September	10,800	8,650	2,150	September	9,800	9,775*	25
December	10,300	8,060	2,240	October	10,800	8,650	2,150	October	10,300	10,275*	25
				November	10,800	8,930	1,870	November	10,300	10,275*	25
1975		7,075		December	10,800	9,620	1,180	December	10,300	10,275*	25
January	11,500	7,850	3,650			8,300					
February	11,500	6,750	4,750	1978							
March	11,500	6,550	4,950	January	10,800	7,790	3,010				
April	11,500	5,920	5,580	February	10,800	8,380	2,420				
May	11,500	6,990	4,510	March	10,400	7,690	2,710				
June	11,500	6,820	4,680	April	10,400	8,050	2,350				
July	11,500	6,980	4,520	May	10,400	7,250	3,150				
August	11,500	8,210	3,290	June	10,400	7,590	2,810				
September	11,500	8,410	3,090	July	10,400	7,410	2,990				
October	11,500	5,870	5,630	August	10,700	7,180	3,520				
November	11,500	6,950	4,550	September	10,700	8,380	2,320				
December	11,500	7,590	3,910	October	10,700	9,310	1,390				
				November	10,700	10,250	450				
1976		8,575		December	10,700	10,400	300				
January	11,500	7,470	4,030								
February	11,500	7,940	3,560	1979		9,530					
March	11,500	8,370	3,130	January	10,700	9,790	910				
April	11,500	8,270	3,230	February	10,300	9,780	520				
May	11,500	8,450	3,050	March	10,300	9,780	520				
June	11,500	8,520	2,980	April	10,100	8,790	1,310				
July	11,500	8,980	2,520	May	10,100	8,780	1,320				
August	11,500	8,760	2,740	June	10,100	8,780	1,320				
September	11,500	8,320	3,180	July	10,100	9,780	320				
October	11,500	9,250	2,250	August	9,800	9,770	30				
November	11,500	9,400	2,100	September	9,800	9,780	20				
December	11,500	9,170	2,330	October	9,800	9,725	75				
				November	9,800	9,795	5				
				December	9,800	9,775	25				

NOTE: Includes Neutral Zone production. Does not include natural gas liquids.

Source: CIA Energy Branch; 1978 on, revised to conform to
Monthly Energy Review

*DOE/IA estimate

Saudi Arabia—Capacity, Production and Shut-In, 1974 - **(In Millions of Barrels a Day)**

MMB/D

OPEC (Ex-Iran and Saudi Arabia): Capacity, Production and Shut-In, 1974 – (In Thousands of Barrels a Day)

Date	Capacity	Production	Shut-in	Date	Capacity	Production	Shut-in	Date	Capacity	Production	Shut-in
1974		16,175		1977		16,295		1980*			
June	21,090	16,980	4,110	January	20,335	15,530	4,805	January	19,260	17,595	1,665
July	20,740	15,670	5,070	February	20,335	16,630	3,705	February	19,260	17,630	1,630
August	20,740	15,210	5,530	March	20,345	17,060	3,285	March*	19,260	17,045	2,215
September	20,490	15,150	5,340	April	20,345	16,650	3,695	April*	19,260	16,240	3,020
October	20,490	14,720	5,770	May	20,345	16,230	4,115	May*	19,260	16,100	3,160
November	21,040	15,170	5,870	June	20,345	16,290	4,055	June*	19,260	16,220	3,040
December	21,040	14,507	6,533	July	20,345	15,320	5,025	July*	19,260	15,760	3,500
				August	20,345	15,740	4,605	August*	19,260	15,760	3,500
1975		14,710		September	19,745	16,340	3,405	September*	19,260	14,585	4,675
January	20,840	13,780	7,060	October	19,645	15,980	3,665	October*	19,260	12,355	6,905
February	20,840	13,280	7,560	November	19,695	16,740	2,955	November*	19,260	12,875	6,385
March	20,840	13,630	7,210	December	19,695	16,910	2,785				
April	20,840	14,340	6,500								
May	20,840	13,990	6,850	1978		16,260					
June	20,840	14,720	6,120	January	19,645	14,660	4,985				
July	20,990	15,680	5,310	February	19,645	14,925	4,720				
August	20,990	15,450	5,540	March	19,645	15,515	4,130				
September	20,740	16,080	4,660	April	19,705	15,850	3,855				
October	20,740	14,570	6,170	May	19,705	14,475	5,230				
November	20,740	15,110	5,630	June	19,705	15,990	3,715				
December	20,740	15,100	5,640	July	19,705	15,812	3,890				
				August	19,705	16,555	3,150				
1976		16,195		September	19,280	17,605	1,675				
January	20,590	14,200	6,390	October	19,200	16,875	2,325				
February	20,590	15,330	5,260	November	19,200	18,235	965				
March	20,610	15,270	5,340	December	19,360	17,684	1,676				
April	20,610	15,310	5,300								
May	20,610	15,360	5,250	1979		18,145					
June	20,430	15,960	4,470	January	19,360	18,680	680				
July	20,430	15,800	4,630	February	18,960	18,840	120				
August	20,430	16,060	4,370	March	18,960	18,545	415				
September	20,535	17,040	3,495	April	18,960	18,505	455				
October	20,155	17,360	2,795	May	18,960	18,565	395				
November	20,155	17,060	3,095	June	18,960	18,385	575				
December	20,180	18,260	1,920	July	19,260	17,985	1,275				
				August	19,260	17,860	1,580				
				September	19,260	17,515	1,745				
				October	19,260	17,525	1,735				
				November	19,260	17,805	1,455				
				December	19,260	17,655	1,605				

Source: CIA, International Energy Statistical Review, 1978 on, revised
to agree with Monthly Energy Review

February 1981

OPEC (Ex-Iran and Saudi Arabia) Capacity, Production and Shut-In, 1974-
(In Millions of Barrels per Day)

**Oil Stocks: Free World, U.S., Japan and Europe (Landed), 1973 —
(In Million Barrels, End of Quarter)**

Year	United States*	Japan**	Europe (Big Five)***	Total World†
1973†				
I				2,600
II				2,900
III	1,058	322		3,200
IV				3,100
1974†				
I	995	277		3,000
II	1,102	345		3,400
III	1,156	381		3,700
IV	1,115	356		3,600
1975				
I	1,076	314		3,300
II	1,071	335		3,400
III	1,147	354		3,600
IV	1,111	348		3,500
1976				
I	1,060	314	734	3,200
II	1,094	347	784	3,500
III	1,191	387	868	3,700
IV	1,112	377	861	3,600
1977				
I	1,087	349	813	3,400
II	1,195	385	855	3,700
III	1,303	402	909	4,000
IV	1,312	407	895	4,000
1978				
I	1,168	383	781	3,500
II	1,185	396	787	3,600
III	1,263	392	837	3,800
IV	1,228	411	840	3,800
1979				
I	1,146	380	777	3,450
II	1,210	392	846	3,700
III	1,308	437	952	4,200
IV	1,326	459	955	4,250
1980				
I	1,342	432	1,349	4,200
II	1,410	464	1,426	4,400
III	1,438	495	1,514	4,600
IV	1,385	469	1,474	4,450

*U.S. stocks include Strategic Petroleum Reserves which held 107.8 million bbl as of December 31, 1980.

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

***Europe's "Big Five" include Germany, France, UK, Italy and the Benelux countries; 1980 figures are for Western Europe, DOE/IA estimates.

†Estimated. Government strategic stocks included.

Source: CIA, Energy Branch; OECD; DOE/IA; Total World: DOE/IA estimates.

February 1981

Oil Stocks: Free World, U.S., Japan and Europe, 1973 —

End of Quarter
(In Billions of Barrels)

Billion
bbl

Petroleum Consumption by Industrial Countries, 1973 — (In Thousands of Barrels a Day)

Month	Total IEA Plus France	Total Less US	Month	Total IEA Plus France	Total Less US	Month	Total IEA Plus France	Total Less US
1973			July	30,891	15,151	1978		
January	38,443	19,730	August	30,500	14,694	January	39,745	19,993
February	39,287	20,193	September	32,185	16,417	February	43,098	22,198
March	36,628	19,412	October	32,917	16,540	March	39,636	19,984
April	33,896	17,975	November	33,077	17,300	April	36,044	18,297
May	33,390	16,764	December	37,758	19,573	May	35,431	17,201
June	32,885	16,404				June	35,487	17,227
July	33,455	17,083	1976			July	34,164	16,531
August	33,695	16,196	January	37,532	18,934	August	35,525	16,886
September	33,432	16,776	February	36,892	19,463	September	35,965	18,011
October	36,182	18,980	March	36,672	19,373	October	37,197	18,780
November	37,993	19,501	April	33,616	16,945	November	40,072	20,916
December	36,668	19,130	May	31,695	15,718	December	42,000	22,056
			June	32,903	16,067			
1974			July	32,724	16,111	1979		
January	36,223	18,937	August	32,768	16,126	January	42,686	22,029
February	36,089	18,723	September	34,166	17,341	February	43,731	22,586
March	33,849	17,745	October	34,208	17,156	March	39,615	20,435
April	32,570	16,641	November	38,104	19,257	April	36,050	18,731
May	31,915	16,189	December	41,787	21,281	May	36,139	18,425
June	32,203	16,086				June	35,263	17,588
July	32,003	15,654	1977			July	34,604	17,549
August	32,106	15,556	January	40,219	19,738	August	36,253	18,069
September	32,696	16,672	February	40,986	20,559	September	35,521	18,251
October	34,845	17,795	March	37,109	19,053	October	37,407	19,283
November	35,260	17,909	April	34,843	17,273	November	38,781	20,519
December	36,792	18,779	May	33,146	16,186	December	37,278	18,495
			June	34,615	16,567			
1975			July	33,149	15,600	1980		
January	36,290	18,286	August	34,090	16,081	January	38,665	20,156
February	36,343	19,259	September	35,183	17,450	February	38,844	20,123
March	33,552	17,237	October	35,182	17,351	March	35,309	18,704
April	33,402	17,354	November	36,481	18,041	April	34,309	18,185
May	30,240	15,085	December	40,846	20,800	May	32,353	15,781
June	30,942	15,332				June	32,148	15,334
						July	31,750	15,788
						August	30,623	14,314

Source: CIA, Energy Branch; DOE Monthly Energy Review

* Consumption is that of the first 19 IEA countries plus France. Australia and Portugal joined the IEA later but not yet included in the statistics.
Except for the U.S., consumption excludes bunkers, refinery fuel and losses.

Petroleum Consumption by Industrial Countries, 1973 – (In Millions of Barrels a Day)

MMB/D

USSR Oil Production and Exports, 1975 —
(In Thousands of Barrels a 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	3,000
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	2,900
						1981		
						January*	12,100	

Source: CIA, Energy Branch

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

Export figures revised. Include Bloc and Free World destinations.

*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 Generation Capacity, 1973 — (In Gross Megawatts)

Month	Free World Ex-US	United States	Total Free World
1973			
January	18,109	15,449	33,558
February	18,759	15,471	34,230
March	18,779	15,471	34,250
April	18,779	16,295	35,074
May	19,237	16,295	35,532
June	19,237	17,023	36,260
July	19,237	17,023	36,260
August	19,237	17,023	36,260
September	19,237	17,910	37,147
October	19,237	19,417	38,654
November	19,237	19,417	38,654
December	19,714	20,887	40,601

1974			
January	19,972	22,810	42,782
February	19,976	23,648	43,624
March	20,436	24,748	45,184
April	20,436	25,208	45,644
May	20,428	25,991	46,419
June	20,416	26,016	46,432
July	21,420	26,551	47,971
August	22,580	28,293	50,873
September	22,580	29,180	51,760
October	23,940	32,340	56,280
November	24,667	32,827	57,494
December	25,136	33,338	58,474

1975			
January	26,454	34,626	61,080
February	26,936	35,429	62,365
March	26,569	35,446	62,015
April	26,449	35,495	61,944
May	27,064	36,495	63,559
June	27,064	37,344	64,408

Month	Free World Ex-US	United States	Total Free World
July	27,064	37,334	64,398
August	27,984	37,330	65,314
September	28,394	37,330	65,724
October	28,953	38,130	67,083
November	29,779	36,570	66,349
December	29,792	39,399	69,191

1976			
January	29,792	39,400	69,192
February	29,770	39,350	69,120
March	31,094	39,350	70,444
April	31,094	39,370	70,464
May	32,394	41,240	73,634
June	33,054	42,085	75,139
July	33,067	42,715	75,782
August	33,067	45,680	78,747
September	34,729	43,200	77,929
October	35,479	43,200	78,679
November	36,965	43,200	80,165
December	36,965	44,080	81,045

1977			
January	37,815	44,080	81,895
February	37,815	44,910	82,725
March	38,758	44,910	83,668
April	40,304	46,090	86,394
May	40,381	46,040	86,421
June	40,381	46,230	86,611
July	40,361	47,110	87,471
August	40,301	46,930	87,231
September	40,957	47,073	88,030
October	41,858	47,311	89,169
November	42,492	47,370	89,862
December	43,352	48,340	91,692

Month	Free World Ex-US	United States	Total Free World
1978			
January	43,353	49,250	92,603
February	43,330	49,300	92,630
March	43,350	50,430	93,780
April	44,140	50,430	94,570
May	45,100	50,470	95,570
June	45,100	51,400	96,500
July	45,130	51,400	96,530
August	46,570	51,400	97,970
September	46,570	52,360	98,930
October	48,337	53,183	101,520
November	51,030	53,140	104,170
December	50,940	54,120	105,060

1979			
January	52,360	54,180	106,540
February	53,300	54,180	107,480
March	55,150	54,180	109,330
April	56,230	54,180	110,410
May	56,200	54,180	110,380
June	56,200	54,180	110,380
July	56,190	54,220	110,410
August	57,160	54,200	111,360
September	58,470	54,200	112,670
October	59,559	54,181	113,741
November	61,703	54,193	115,896
December	61,703	54,191	115,894

1980			
January	61,452	54,191	115,643
February	61,409	54,190	115,599
March	63,323	54,192	117,515
April	64,223	54,185	118,409
May	64,224	54,191	118,415
June	65,180	54,191	119,371
July	65,180	54,191	119,371
August	66,137	55,139	121,276
September	67,117	55,139	122,256
October	67,800	56,922	124,722
November	68,485	56,922	125,407
December	71,339	56,921	128,260

Source: Nucleonics Week

Free World and U.S. Nuclear Generation Capacity, 1973 – (In Thousand Gross Megawatts)

Thousand
MW

U.S. Gross Imports of Crude Oil and Products, 1973 — **(In Thousands of Barrels a 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	6,656	2,222	8,878
1975				February	6,659	3,338	9,997	February	6,344	2,062	8,406
January	4,029	2,832	6,861	March	6,699	2,684	9,383	March	6,240	2,385	8,625
February	3,828	2,348	6,176	April	6,821	1,902	8,723	April	6,145	1,673	7,820
March	3,656	2,074	5,730	May	6,818	1,753	8,571	May	6,163	1,826	7,989
April	3,378	1,662	5,040	June	7,065	1,872	8,937	June	6,554	1,672	8,226
May	3,486	1,728	5,214	July	7,068	2,027	9,095	July	6,349	1,932	8,280
June	3,905	1,502	5,406	August	6,395	2,179	8,574	August	6,774	1,778	8,552
July	4,192	1,767	5,959	September	6,429	2,137	8,567	September	6,410	1,596	8,006
August	4,581	1,717	6,298	October	6,409	1,862	8,272	October	6,854	1,785	8,639
September	4,689	2,115	6,804	November	6,248	1,814	8,062	November	6,154	1,946	8,099
October	4,389	1,940	6,329	December	6,248	2,198	8,446	December	6,273	2,305	8,577
November	4,623	1,796	6,419	AVERAGE	6,594	2,193	8,787	AVERAGE	6,411	1,933	8,344
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	1,322	5,967
June	5,621	1,858	7,479	August	6,251	1,858	8,109	August*	4,673	1,402	6,075
July	5,792	2,099	7,890	September	6,829	1,983	8,811	September*	4,569	1,420	5,989
August	5,556	1,826	7,382	October	6,400	1,718	8,119	October*	4,500	1,289	5,789
September	5,875	2,038	7,913	November	6,643	2,021	8,664	November*	4,651	1,593	6,244
October	5,699	1,808	7,508	December	6,751	2,245	8,996	December*	5,038	1,804	6,842
November	5,946	2,115	8,060	AVERAGE	6,195	2,008	8,202	1981			
December	5,925	2,468	8,393					January*	5,135	1,903	7,038
AVERAGE	5,287	2,026	7,313								

Source: Bureau of Mines, DOE/IA, API.

NOTE: 1979 and 1980 figures revised per Monthly Energy Review. SPR excluded.

*API Preliminary Figures.

U.S. Gross Imports of Crude Oil and Products, 1975 — (In Millions of Barrels a Day)

- Moving average is last 12 months.
- SPR purchases not included.

Landed Cost of Saudi Crude Oil in Current and 1974 Dollars
(In 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			1976			1978		
April	11.59	11.90	July	13.02	11.24	October	13.89	10.15
May	11.53	11.70	August	13.03	11.19	November	14.12	10.30
June	11.32	11.38	September	12.87	11.02	December	14.00	10.11
July	11.97	11.95	October	12.87	10.97			
August	12.16	11.98	November	13.01	11.06	1979		
September	11.45	11.15	December	13.02	11.03	January	14.73	10.64
October	11.51	11.11				February	14.88	10.61
November	12.15	11.63	1977			March	15.28	10.79
December	11.75	11.16	January	13.22	11.14	April	16.18	11.29
			February	13.32	11.11	May	16.29	11.24
1975			March	13.50	11.19	June	19.49	13.29
January	12.07	11.42	April	13.41	11.02	July	20.06	13.54
February	11.94	11.22	May	13.49	11.03	August	19.85	13.26
March	11.78	11.03	June	13.39	10.87	September	20.36	13.44
April	12.16	11.32	July	13.64	11.03	October	22.99	15.06
May	12.27	11.37	August	13.72	11.06	November	25.19	16.35
June	11.93	10.98	September	14.01	11.25	December	24.48	15.72
July	12.08	10.99	October	13.85	11.09			
August	12.10	10.97	November	13.94	11.11	1980		
September	12.17	10.99	December	13.99	11.11	January	27.85	17.63
October	12.64	11.34				February	28.15	17.59
November	12.58	11.22	1978			March	28.26	17.41
December	12.93	11.48	January	13.93	10.99	April	29.14	17.75
			February	13.96	10.94	May	30.30	18.27
1976			March	14.07	10.96	June	30.16	18.01
January	13.18	11.68	April	13.85	10.69	July*	30.09	17.93
February	13.21	11.68	May	13.86	10.59	August*	30.85	18.26
March	13.18	11.62	June	13.86	10.43	September*	31.12	18.27
April	13.11	11.51	July	13.81	10.37	October*	31.22	18.17
May	13.05	11.39	August	13.84	10.34			
June	13.14	11.41	September	14.03	10.40			

*Preliminary

Deflator, CPI (All urban)

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

\$ Per Bbl.

U.S. Trade in Bituminous Coal, 1973 — **(In Thousand Short Tons per Month)**

1973	Exports	Imports
January	2,954	34
February	2,669	31
March	3,377	36
April	5,063	40
May	5,140	125
June	4,969	102
July	4,188	76
August	5,133	96
September	3,424	187
October	5,882	218
November	5,214	153
December	4,889	115
1974		
January	2,813	333
February	4,627	344
March	3,179	346
April	4,944	424
May	6,032	437
June	6,369	387
July	5,307	402
August	5,088	780
September	4,893	436
October	7,342	731
November	6,744	634
December	2,586	415
1975		
January	4,254	540
February	4,470	606
March	5,653	411
April	6,159	192
May	7,011	334
June	6,269	110
July	4,691	65
August	5,859	144
September	4,529	50
October	4,647	27
November	7,593	112
December	4,534	182

1976	Exports	Imports
January	3,697	118
February	3,050	139
March	3,979	54
April	5,780	156
May	5,667	116
June	6,569	265
July	4,880	134
August	4,223	361
September	5,613	261
October	5,871	413
November	5,451	291
December	4,625	225
1977		
January	2,143	149
February	3,079	130
March	3,390	67
April	5,637	200
May	5,673	203
June	6,019	257
July	5,158	304
August	4,279	274
September	5,037	458
October	4,871	595
November	4,491	503
December	3,910	514
1978		
January	870	139
February	555	159
March	325	231
April	2,594	417
May	4,411	323
June	5,398	291
July	3,531	313
August	3,568	227
September	3,338	196
October	4,911	371
November	5,930	98
December	4,394	188

1979	Exports	Imports
January	3,526	186
February	2,691	252
March	4,582	123
April	5,227	161
May	6,091	112
June	5,895	209
July	6,249	88
August	6,089	320
September	5,019	180
October	7,315	34
November	6,017	130
December	6,072	146
1980		
January	4,292	120
February	3,990	193
March	5,565	93
April	7,414	63
May	8,449	207
June	8,711	104
July	7,972	32
August	8,944	166
September	8,265	2
October	9,204	97
November	8,905	3
December	8,169	70

Source: Bureau of Mines; Oct. 77 forward, Bureau of the Census.

NOTE: These figures are for bituminous coal only and are not comparable with the figures given in the Monthly Energy Review.

**U.S. Trade in Coal, 1973 —
(In Millions of Short Tons per Month)**

Summary of U.S. Merchandise Trade, 1976 — (In Millions of Dollars, Adjusted)

EXPORTS					IMPORTS				
Month	Total	Energy	Manufactured Products	Agricultural Products	Month	Total	Energy	Manufactured Products	Agricultural Products
1976					1976				
Quarter I	25,582	962	18,891	7,397	Quarter I	27,422	7,448	15,530	4,441
II	28,195	1,113	19,995	7,087	II	28,874	7,749	16,486	4,639
III	28,787	1,029	20,277	7,481	III	31,834	9,305	17,504	5,025
IV	29,455	1,102	20,737	7,741	IV	32,414	9,490	17,755	5,169
TOTAL*	113,318	4,226	79,990	29,102	TOTAL*	120,677	33,996	67,313	19,369
1977					1977				
Quarter I	28,853	880	20,425	7,548	Quarter I	35,149	11,016	18,428	5,705
II	29,902	1,148	20,812	7,942	II	37,284	11,256	19,918	6,110
III	29,915	1,143	21,487	7,285	III	37,459	11,173	20,817	5,469
IV	29,305	995	20,993	7,297	IV	37,264	10,936	20,926	5,402
TOTAL*	117,963	4,179	83,678	30,106	TOTAL*	146,817	44,287	79,895	22,635
1978					1978				
Quarter I	30,955	631	22,294	8,031	Quarter I	41,367	10,355	24,700	6,310
II	35,684	975	24,880	9,830	II	42,471	10,220	25,872	6,380
III	37,230	997	26,362	10,071	III	43,498	10,756	26,619	6,123
IV	39,635	1,178	28,502	9,955	IV	44,709	10,774	27,696	6,785
TOTAL*	143,575	3,878	101,839	37,858	TOTAL*	183,137	42,105	115,433	25,599
1979					1979				
Quarter I	41,092	1,371	29,868	9,854	Quarter I	46,310	11,170	27,655	6,955
II	42,783	1,309	30,675	10,797	II	49,315	12,935	28,872	7,508
July	15,669	538	10,876	4,255	July	16,777	5,075	9,425	2,277
August	15,821	499	11,108	4,214	August	18,177	5,460	10,307	2,410
September	15,832	423	10,980	4,429	September	18,666	6,084	10,204	2,377
October	16,838	498	11,835	4,505	October	18,856	6,559	9,996	2,301
November	17,004	456	11,966	4,582	November	18,422	5,411	10,370	2,641
December	16,792	519	11,104	5,169	December	19,870	6,836	10,374	2,660
1980					1980				
January	17,348	636	12,162	4,549	January	22,107	6,895	12,313	2,900
February	17,233	573	12,111	4,549	February	22,806	8,118	12,063	2,625
March	18,534	652	13,005	4,878	March	21,692	7,744	11,194	2,754
April	18,468	605	13,192	4,672	April	20,337	6,644	11,068	2,625
May	17,678	665	12,672	4,342	May	21,637	7,176	11,851	2,610
June	18,642	658	13,354	4,649	June	20,922	6,604	11,652	2,686
July	18,075	698	12,782	4,595	July	19,926	6,011	11,265	2,650
August	19,103	717	13,433	4,954	August	20,165	6,470	11,247	2,448
September	18,701	717	13,140	4,844	September	20,345	6,053	11,881	2,410
October	19,089	637	13,893	4,558	October	20,949	6,464	11,814	2,671
November	18,634	707	13,357	4,570	November	20,297	6,091	11,416	2,790
December	19,118	689	13,400	5,029	December	22,097	7,471	11,917	2,706

*Total figures adjusted
Source: U.S. Department of Commerce

Summary of U.S. Merchandise Trade, 1976 — (In Billions of Dollars, Adjusted)

Billions of
Dollars

EXPORTS Total and Energy

IMPORTS

Manufactured and Agricultural Products

U.S. Energy/GNP Ratio (In 1972 Dollars)

Year	Total Gross Energy Consumption Trillion Btu	GNP in Billions of 1972 Dollars	Energy/GNP Ratio Thousand Btu per Dollar GNP	Quarter	Energy Use Trillion Btu	GNP in Billions of 1972 Dollars	Energy/GNP Ratio (1972 Dollars)	Moving Average 1972-61.39
1947	33,035	468.3	70.542	1973				
1948	33,881	487.7	69.471	I	20,073	1229.8	65.289	
1949	31,489	490.7	64.171	II	17,551	1231.1	57.025	
1950	33,992	533.5	63.715	III	17,620	1236.3	57.009	
				IV	19,308	1242.6	62.154	60.37
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	62.634	59.71
1954	36,263	613.7	59.089	II	17,046	1224.5	55.683	59.38
1955	39,703	654.8	60.634	III	17,364	1216.9	57.076	59.40
1956	41,700	668.8	62.350	IV	18,926	1199.7	63.102	59.64
1957	41,706	680.9	61.251					
1958	41,696	679.5	61.363	1975				
1959	43,140	720.4	59.883	I	19,249	1171.6	65.719	60.41
1960	44,569	736.8	60.490	II	16,367	1189.9	55.020	60.24
				III	16,572	1220.0	54.334	59.55
				IV	18,369	1227.9	59.839	58.73
1961	45,319	755.3	60.001					
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	62.767	57.99
1965	53,343	925.9	57.612	II	17,085	1268.0	53.896	57.71
1966	56,412	981.0	57.505	III	17,317	1276.5	54.264	57.69
1967	58,265	1007.7	57.820	IV	20,227	1284.0	63.012	58.48
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	62.885	58.51
				II	17,522	1325.5	52.876	58.25
1971	68,698	1107.5	62.030	III	18,018	1343.9	53.627	58.09
1972	71,810	1171.1	61.148	IV	19,664	1354.5	58.070	56.85
1973	74,609	1235.0	60.368					
1974	72,759	1217.8	59.743	1978				
1975	70,707	1202.3	58.809	I	21,295	1388.0	62.266	56.28
1976	74,509	1273.0	58.533	II	18,211	1395.0	52.517	56.17
1977	78,390	1341.0	58.000	III	18,482	1407.0	52.488	55.82
1978	78,154	1399.0	55.900	IV	20,189	1427.0	58.591	55.38
1979	78,787	1431.7	55.200	1979				
				I	22,540	1431.0	62.8	55.55
				II	18,284	1422.1	51.6	55.27
				III	18,316	1433.3	50.7	54.93
				IV	20,064	1438.4	55.3	54.73
				1980				
				I	21,394	1445.0	59.5	53.79
				II	17,608	1440.0	50.3	53.57
				III	17,728	1412.0	49.9	53.22

Source: Monthly Energy Review (as revised in September 1980 issue)

Survey of Current Business

U.S. Energy/GNP Ratio, 1972 Dollars

1,000 Btu
per Dollar GNP

Annual, 1947-

Quarterly, 1973-

With Moving Average

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