

3

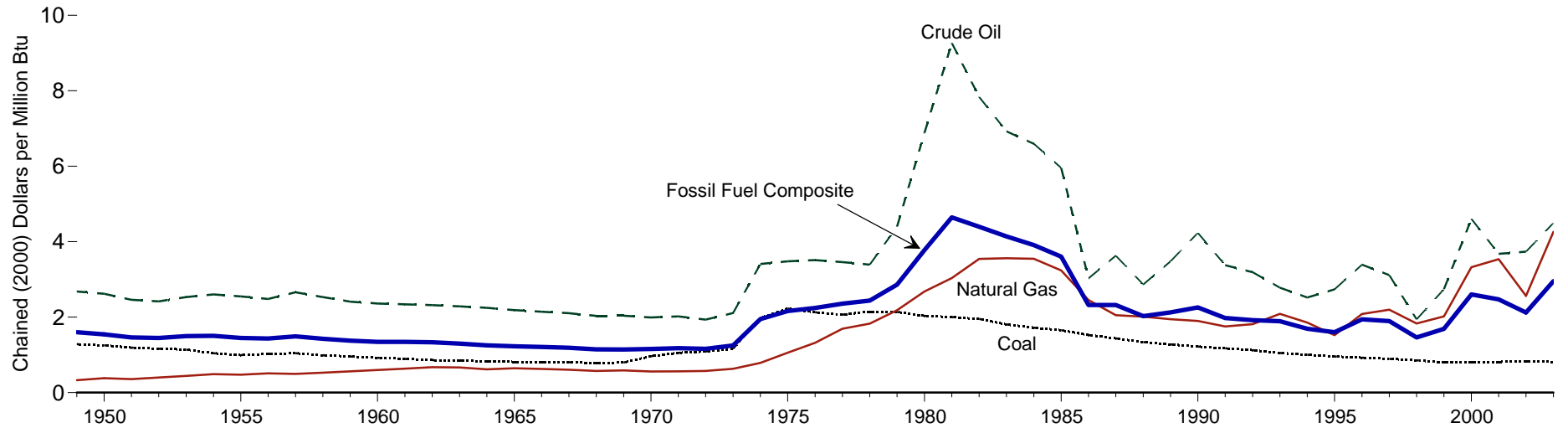
Financial Indicators



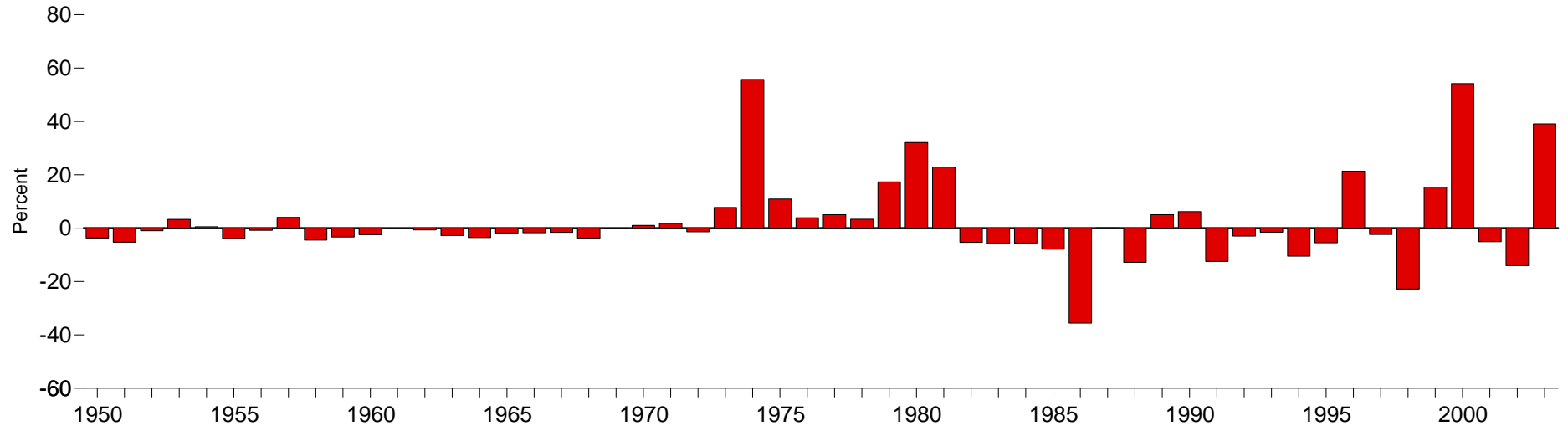
Gas Station, North Carolina, April 1999.

Figure 3.1 Fossil Fuel Production Prices

Prices, 1949-2003



Fossil Fuel Composite Price, Change From Previous Year, 1950-2003



Note: Prices are in chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

Source: Table 3.1.

Table 3.1 Fossil Fuel Production Prices, Selected Years, 1949-2003

(Dollars per Million Btu)

Year	Coal ¹		Natural Gas ²		Crude Oil ³		Fossil Fuel Composite ⁴		
	Nominal	Real ⁵	Nominal	Real ⁵	Nominal	Real ⁵	Nominal	Real ⁵	Percent Change ⁶
1949	0.21	R1.28	0.05	R0.33	0.44	R2.68	0.26	R1.60	—
1950	0.21	R1.25	0.06	R0.38	0.43	R2.62	0.26	R1.54	R-3.7
1955	0.19	R0.99	0.09	R0.48	0.48	R2.55	0.27	R1.45	-3.9
1960	0.19	R0.92	0.13	R0.60	0.50	R2.36	0.28	R1.35	-2.4
1965	0.18	R0.82	0.15	R0.64	0.49	R2.19	0.28	R1.23	R-1.8
1970	0.27	R0.97	0.15	R0.56	0.55	R1.99	0.32	R1.16	R1.0
1971	0.30	R1.05	0.16	R0.56	0.58	R2.02	0.34	R1.18	1.8
1972	0.33	R1.09	0.17	R0.57	0.58	R1.94	0.35	R1.16	R-1.4
1973	0.37	R1.15	0.20	R0.63	0.67	R2.11	0.40	R1.25	R7.8
1974	0.69	R1.98	0.27	R0.79	1.18	R3.41	0.68	R1.95	55.8
1975	0.85	R2.22	0.40	R1.06	1.32	R3.48	0.82	R2.16	R10.9
1976	0.86	R2.13	0.53	R1.32	1.41	R3.51	0.90	R2.24	3.9
1977	0.88	R2.07	0.72	R1.69	1.48	R3.46	1.01	R2.36	R5.1
1978	0.98	R2.15	0.84	R1.83	1.55	R3.39	1.12	R2.44	R3.3
1979	1.06	R2.14	1.08	R2.18	2.18	R4.40	1.42	R2.86	R17.4
1980	1.10	R2.04	1.45	R2.68	3.72	R6.89	2.04	R3.78	R32.1
1981	1.18	R2.00	1.80	R3.04	5.48	R9.27	2.75	R4.64	22.9
1982	1.23	R1.95	2.22	R3.54	4.92	R7.84	2.76	R4.40	R-5.3
1983	1.18	R1.81	2.32	R3.56	4.52	R6.93	2.70	R4.14	-5.8
1984	1.16	R1.72	2.40	R3.55	4.46	R6.60	2.65	R3.91	R-5.6
1985	1.15	R1.65	2.26	R3.24	4.15	R5.96	2.51	R3.60	R-7.9
1986	1.09	R1.52	1.75	R2.45	2.16	R3.03	1.65	R2.32	-35.6
1987	1.05	R1.44	1.50	R2.05	2.66	R3.63	1.70	R2.32	R0.1
1988	1.01	R1.34	1.52	R2.01	2.17	R2.87	1.53	R2.03	-12.8
1989	1.00	R1.28	1.53	R1.94	2.73	R3.48	1.67	R2.13	5.0
1990	1.00	R1.22	1.55	R1.90	3.45	R4.23	1.84	R2.26	R6.2
1991	0.99	R1.17	1.48	R1.75	2.85	R3.38	1.67	R1.98	R-12.4
1992	0.97	R1.12	1.57	R1.82	2.76	R3.19	1.66	R1.92	R-3.0
1993	0.93	R1.05	1.84	R2.09	2.46	R2.78	1.67	R1.89	R-1.5
1994	0.91	R1.01	1.67	R1.86	2.27	R2.52	1.53	R1.69	-10.5
1995	0.88	R0.96	1.40	R1.52	2.52	R2.74	1.47	R1.60	-5.5
1996	0.87	R0.93	1.96	R2.09	3.18	R3.39	1.82	R1.94	R21.4
1997	0.85	R0.89	2.10	R2.20	2.97	R3.11	1.81	R1.90	R-2.4
1998	0.83	R0.86	1.77	R1.83	1.87	R1.94	1.41	R1.46	R-22.8
1999	0.79	R0.81	1.98	R2.02	2.68	R2.74	1.65	R1.69	15.4
2000	0.80	R0.80	R3.32	R3.32	4.61	R4.61	R2.60	R2.60	R54.2
2001	R0.83	R0.81	R3.62	R3.54	3.77	R3.68	R2.53	R2.47	R-5.1
2002	R0.87	R0.83	2.67	R2.56	3.88	R3.73	R2.21	R2.12	R-14.0
2003 ^P	0.86	0.82	4.50	4.26	4.75	4.50	3.12	2.95	39.1

¹ Free-on-board (f.o.b.) rail/barge prices, which are the f.o.b. prices of coal at the point of first sale, excluding freight or shipping and insurance costs. See "Free on Board (F.O.B.)" in Glossary.

² Wellhead prices. See "Natural Gas Wellhead Price" in Glossary.

³ Domestic first purchase prices. See "Crude Oil Domestic First Purchase Price" in Glossary.

⁴ Derived by multiplying the price per Btu of each fossil fuel by the total Btu content of the production of each fossil fuel and dividing this accumulated value of total fossil fuel production by the accumulated Btu content of total fossil fuel production.

⁵ In chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

⁶ Based on real values.

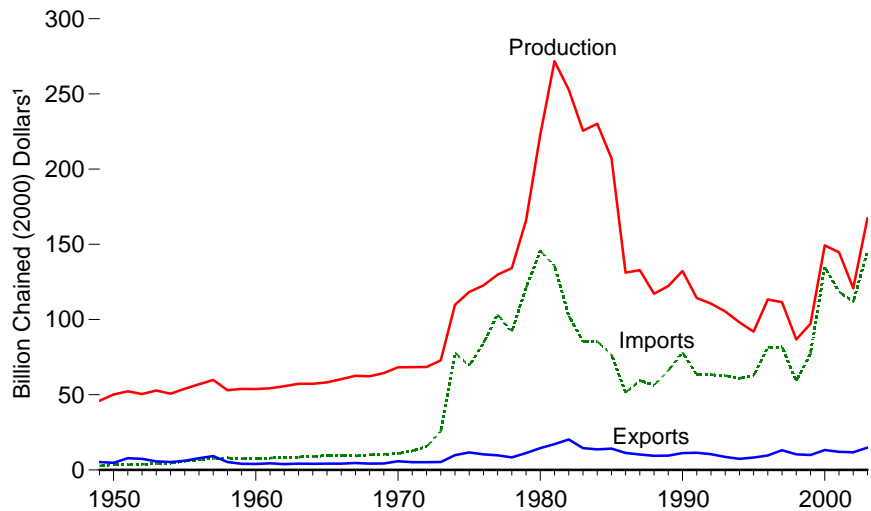
R=Revised. P=Preliminary. — = Not applicable.

Web Page: For data not shown for 1951-1969, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

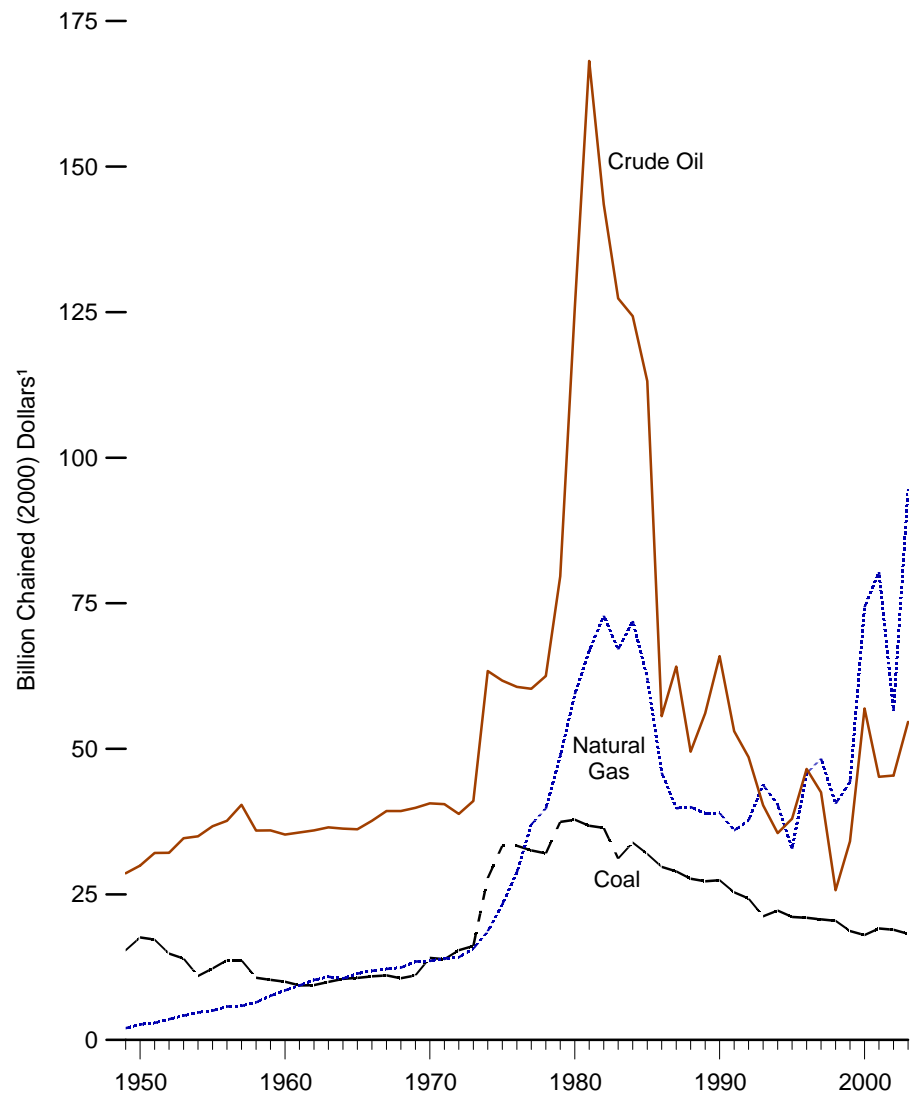
Sources: Tables 5.18, 6.7, 7.8, A2, A4, and A5.

Figure 3.2 Value of Fossil Fuel Production

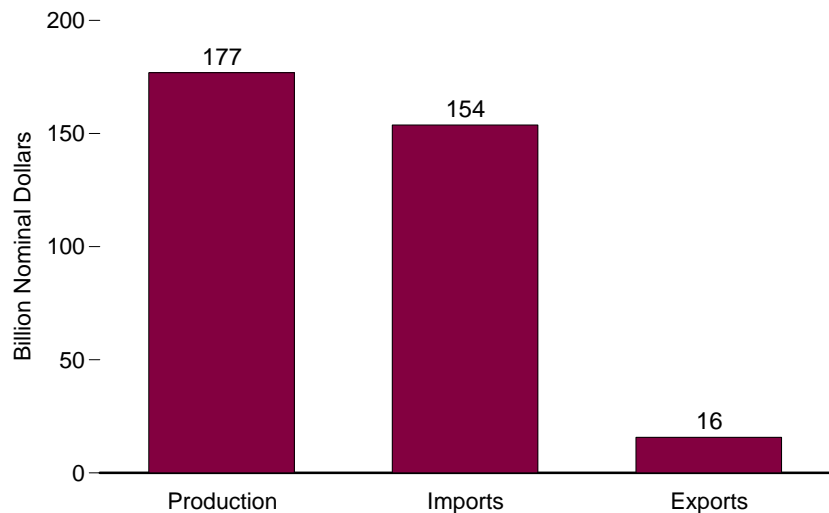
Overview, 1949-2003



By Fuel, 1949-2003



Overview, 2003



¹ Prices are in chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

Note: Because vertical scales differ, graphs should not be compared.
Sources: Tables 3.2, 3.5, and 3.6.

Table 3.2 Value of Fossil Fuel Production, Selected Years, 1949-2003
(Billion Dollars)

Year	Coal ¹		Natural Gas ²		Crude Oil ^{3,4}		Total	
	Nominal	Real ⁵	Nominal	Real ⁵	Nominal	Real ⁵	Nominal	Real ⁵
1949	2.52	R15.41	0.33	R2.02	4.68	R28.62	7.53	R46.05
1950	2.91	R17.60	0.44	R2.66	4.95	R29.94	8.30	R50.20
1955	2.30	R12.27	0.94	R5.02	6.88	R36.71	10.12	R54.00
1960	2.10	R9.98	1.79	R8.51	7.42	R35.26	11.31	R53.75
1965	2.40	R10.65	2.57	R11.40	8.15	R36.17	13.12	R58.22
1970	3.88	R14.09	3.73	R13.55	11.19	R40.64	18.80	R68.28
1971	4.01	R13.87	4.05	R14.01	11.71	R40.50	19.77	R68.38
1972	4.65	R15.41	4.28	R14.19	11.71	R38.82	20.64	R68.42
1973	5.14	R16.14	4.98	R15.64	13.07	R41.04	23.19	R72.82
1974	9.65	R27.79	6.48	R18.66	22.00	R63.35	38.13	R109.80
1975	12.67	R33.34	8.85	R23.29	23.45	R61.71	44.97	R118.34
1976	13.40	R33.34	11.57	R28.78	24.37	R60.63	49.34	R122.75
1977	13.91	R32.54	15.82	R37.00	25.79	R60.32	55.52	R129.86
1978	14.65	R32.02	18.18	R39.73	28.60	R62.50	61.43	R134.25
1979	18.55	R37.44	24.16	R48.76	39.45	R79.62	82.16	R165.82
1980	20.45	R37.84	32.09	R59.38	67.93	R125.70	120.47	R222.92
1981	21.75	R36.79	39.51	R66.83	99.40	R168.14	160.66	R271.76
1982	22.84	R36.41	45.71	R72.87	90.03	R143.53	158.58	R252.81
1983	20.32	R31.16	43.73	R67.06	83.05	R127.36	147.10	R225.58
1984	22.94	R33.91	48.69	R71.97	84.10	R124.31	155.73	R230.19
1985	22.27	R31.95	43.35	R62.18	78.88	R113.15	144.50	R207.28
1986	21.18	R29.73	32.71	R45.91	39.63	R55.62	93.52	R131.26
1987	21.20	R28.96	29.11	R39.77	46.93	R64.12	97.24	R132.85
1988	20.97	R27.70	30.28	R40.00	37.48	R49.52	88.73	R117.22
1989	21.40	R27.24	30.58	R38.93	44.07	R56.10	96.05	R122.27
1990	22.39	R27.44	31.80	R38.98	53.77	R65.90	107.96	R132.32
1991	21.40	R25.34	30.39	R35.99	44.77	R53.02	96.56	R114.35
1992	20.98	R24.29	32.56	R37.69	41.97	R48.58	95.51	R110.56
1993	18.77	R21.24	38.72	R43.81	35.61	R40.29	93.10	R105.34
1994	20.06	R22.22	36.46	R40.39	32.07	R35.53	88.59	R98.14
1995	19.45	R21.12	30.24	R32.83	35.00	R38.00	84.69	R91.95
1996	19.68	R20.97	42.99	R45.81	43.68	R46.54	106.35	R113.32
1997	19.77	R20.72	46.09	R48.31	40.57	R42.52	106.43	R111.55
1998	19.75	R20.47	39.12	R40.55	24.80	R25.71	83.67	R86.73
1999	18.30	R18.70	43.37	R44.31	33.40	R34.13	95.07	R97.14
2000	18.02	R18.02	R74.33	R74.33	56.93	R56.93	R149.28	R149.28
2001	R19.60	R19.15	R82.28	R80.37	46.25	R45.18	R148.13	R144.70
2002	R19.68	R18.93	R58.77	R56.54	R47.21	R45.42	R125.66	R120.89
2003 ^P	19.23	18.20	99.95	94.58	57.71	54.61	176.89	167.39

¹ Coal values are based on free-on-board (f.o.b.) rail/barge prices, which are the f.o.b. prices of coal at the point of first sale, excluding freight or shipping and insurance costs. See "Free on Board (F.O.B.)" in Glossary.

² Natural gas values are for marketed production based on wellhead prices. See "Natural Gas Marketed Production" and "Natural Gas Wellhead Price" in Glossary.

³ Includes lease condensate.

⁴ Crude oil values are based on domestic first purchase prices. See "Crude Oil Domestic First

Purchase Price" in Glossary.

⁵ In chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

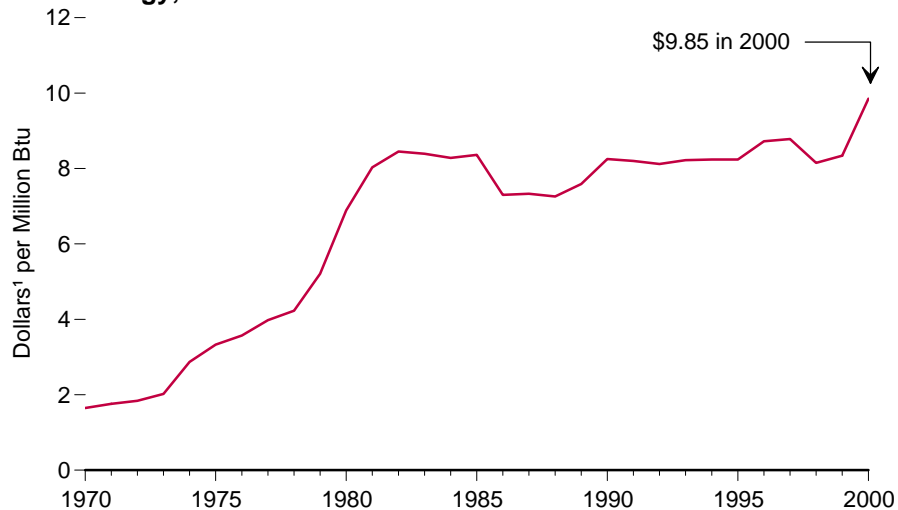
R=Revised. P=Preliminary.

Web Page: For data not shown for 1951-1969, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

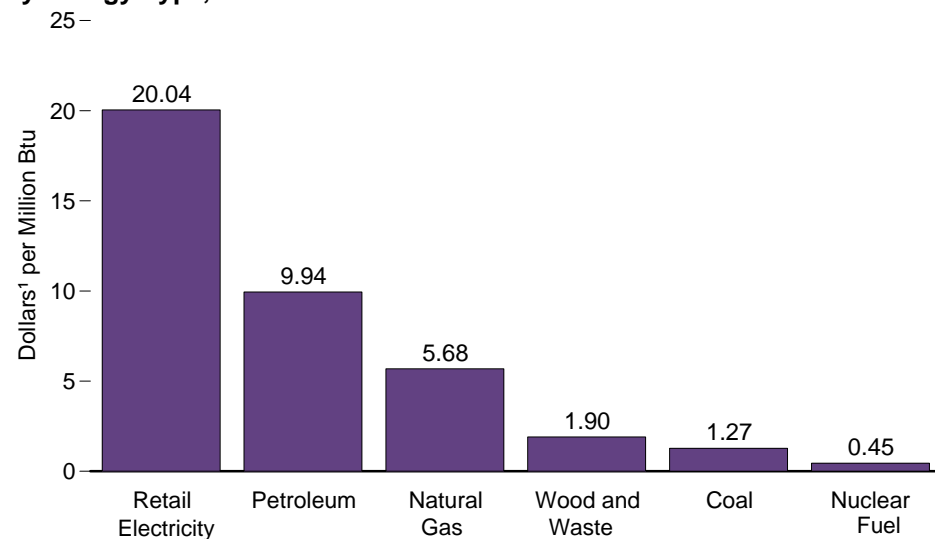
Sources: Tables 5.1, 5.18, 6.2, 6.7, 7.2, and 7.8.

Figure 3.3 Consumer Price Estimates for Energy

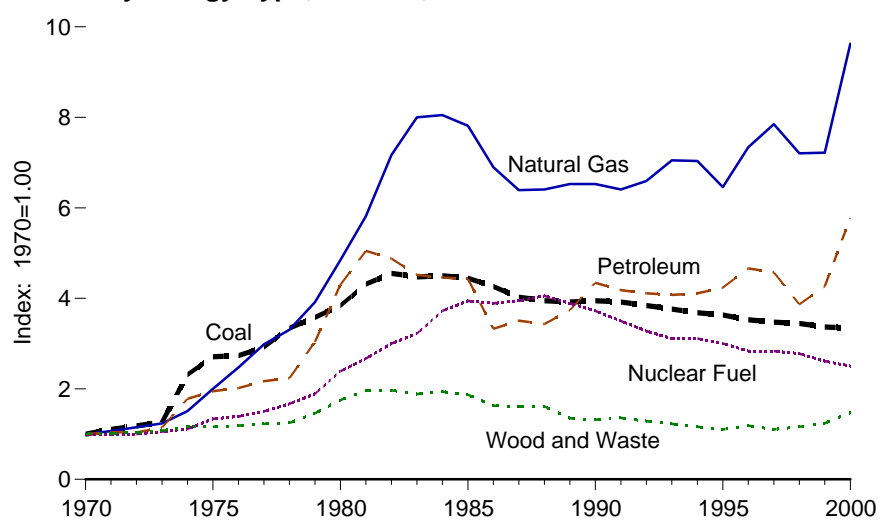
Total Energy, 1970-2000



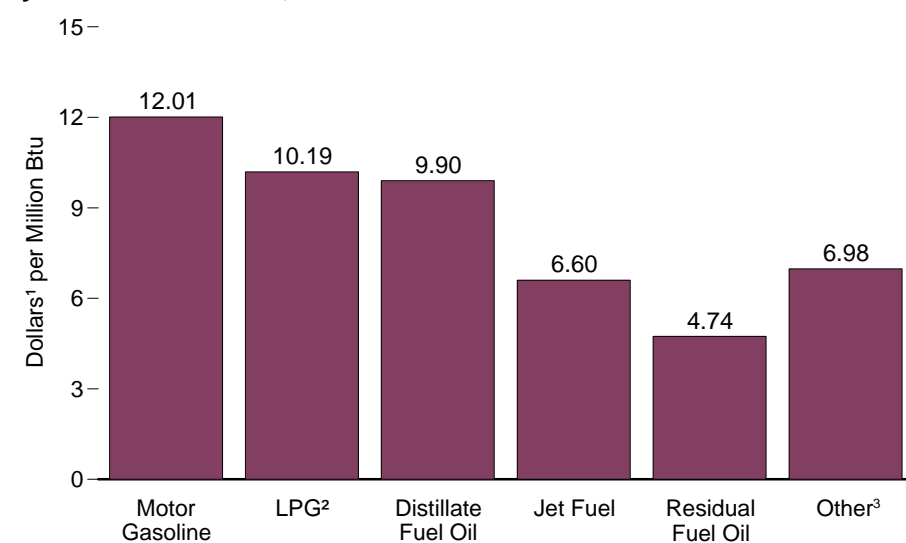
By Energy Type, 2000



Prices¹ by Energy Type, Indexed, 1970-2000



By Petroleum Product, 2000



¹ Nominal dollars.

² Liquefied petroleum gases.

³ Consumption-weighted average price for asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 3.3.

Table 3.3 Consumer Price Estimates for Energy, 1970-2000
(Nominal Dollars per Million Btu)

Year	Primary Energy ¹												Electric Utility Fuel ^{5,6}	Retail Electricity ⁷	Total Energy ^{4,8}
	Coal	Natural Gas	Petroleum							Nuclear Fuel	Wood and Waste	Total ^{4,5}			
			Distillate Fuel Oil	Jet Fuel	LPG ²	Motor Gasoline	Residual Fuel Oil	Other ³	Total						
1970	0.38	0.59	1.16	0.73	1.46	2.85	0.42	1.38	1.72	0.18	1.29	1.08	0.32	4.98	1.65
1971	0.42	0.63	1.22	0.77	1.49	2.90	0.58	1.44	1.79	0.18	1.31	1.15	0.38	5.30	1.76
1972	0.45	0.68	1.22	0.79	1.52	2.88	0.62	1.49	1.78	0.18	1.33	1.18	0.41	5.54	1.84
1973	0.48	0.73	1.46	0.92	2.02	3.10	0.75	1.57	1.97	0.19	1.39	1.29	0.46	5.86	2.02
1974	0.88	0.89	2.44	1.58	2.81	4.32	1.82	2.59	3.06	0.20	1.50	1.94	0.86	7.42	2.87
1975	1.03	1.18	2.60	2.05	2.97	4.65	1.93	2.92	3.35	0.24	1.50	2.19	0.96	8.61	3.33
1976	1.04	1.46	2.77	2.25	3.21	4.84	1.90	3.07	3.47	0.25	1.53	2.34	1.02	9.13	3.57
1977	1.11	1.76	3.11	2.59	3.65	5.13	2.14	3.25	3.73	0.27	1.58	2.57	1.16	10.11	3.98
1978	1.27	1.95	3.26	2.87	3.60	5.24	2.08	3.44	3.84	0.30	1.61	2.71	1.25	10.92	4.23
1979	1.36	2.31	4.69	3.90	4.50	7.11	2.83	4.69	5.23	0.34	1.88	3.47	1.48	11.78	5.21
1980	1.46	2.86	6.70	6.36	5.64	9.84	3.88	7.02	7.40	0.43	2.26	4.57	1.75	13.95	6.89
1981	1.64	3.43	8.03	7.57	6.18	10.94	4.91	8.63	8.68	0.48	2.53	5.24	2.00	16.14	8.03
1982	1.73	4.23	7.78	7.23	6.66	10.39	4.65	7.83	8.39	0.54	2.54	5.32	2.01	18.16	8.45
1983	1.70	4.72	7.32	6.53	7.17	9.12	4.50	7.58	7.77	0.58	2.43	5.11	1.98	18.62	8.39
1984	1.71	4.75	7.36	6.25	6.93	8.89	4.75	7.64	7.67	0.67	2.50	5.02	1.97	18.50	8.28
1985	1.69	4.61	7.18	5.91	6.54	9.01	4.30	7.52	7.62	0.71	2.41	4.91	1.85	19.05	8.36
1986	1.62	4.07	5.66	3.92	6.42	6.79	2.37	5.77	5.72	0.70	2.10	3.96	1.56	19.05	7.30
1987	1.53	3.77	5.94	4.03	6.06	7.23	2.86	5.59	6.03	0.71	2.07	3.98	1.52	18.74	7.33
1988	1.50	3.78	5.80	3.80	5.86	7.33	2.35	5.23	5.90	0.73	2.08	3.87	1.45	18.68	7.26
1989	1.49	3.85	6.45	4.39	5.53	8.02	2.72	5.47	6.43	0.70	1.74	4.10	1.48	18.98	7.59
1990	1.50	3.85	7.70	5.68	6.75	9.12	3.16	5.80	7.47	0.67	1.70	4.49	1.46	19.33	8.25
1991	1.49	3.78	7.28	4.83	6.79	8.93	2.62	5.72	7.19	0.63	1.75	4.31	1.37	19.85	8.20
1992	1.46	3.89	7.11	4.52	6.19	8.96	2.27	5.49	7.07	0.59	1.66	4.28	1.35	20.06	8.12
1993	1.43	4.16	7.10	4.29	6.20	8.83	2.25	5.47	7.01	0.56	1.58	4.30	1.35	20.38	8.22
1994	1.40	4.15	7.03	3.95	6.61	8.96	2.32	5.46	7.07	0.56	1.50	4.31	1.30	20.34	8.24
1995	1.38	3.81	7.02	4.00	6.54	9.22	2.46	5.72	7.29	0.54	1.42	4.28	1.23	20.30	8.24
1996	1.34	4.33	7.90	4.82	8.01	9.85	2.79	6.22	8.02	0.51	1.53	4.69	1.28	20.17	8.72
1997	1.32	4.63	7.70	4.53	7.42	9.81	2.93	5.91	7.87	0.51	1.42	4.72	1.30	20.15	8.78
1998	1.31	4.25	6.63	3.35	5.99	8.45	2.15	5.06	6.65	0.50	1.50	4.14	1.24	19.82	8.15
1999	1.28	4.26	7.24	4.01	6.64	9.31	2.30	5.32	7.33	0.47	1.60	4.42	1.22	19.37	8.34
2000	1.27	5.68	9.90	6.60	10.19	12.01	4.74	6.98	9.94	0.45	1.90	5.78	1.43	20.04	9.85

¹ "Primary Energy" price estimates are for all sectors, including electric utilities.

² Liquefied petroleum gases.

³ Consumption-weighted average price for asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

⁴ Includes coal coke imports and exports, which are not separately displayed. In 2000, coal coke imports averaged 2.66 dollars per million Btu, and coal coke exports averaged 3.64 dollars per million Btu.

⁵ Includes net imports of electricity generated from nonrenewable energy sources, which are not separately displayed.

⁶ Price estimates for primary energy at electric utilities.

⁷ Retail electricity prices paid by ultimate customers, reported by electric utilities and other energy service providers.

⁸ "Total Energy" price estimates exclude primary energy at electric utilities, but include retail electricity.

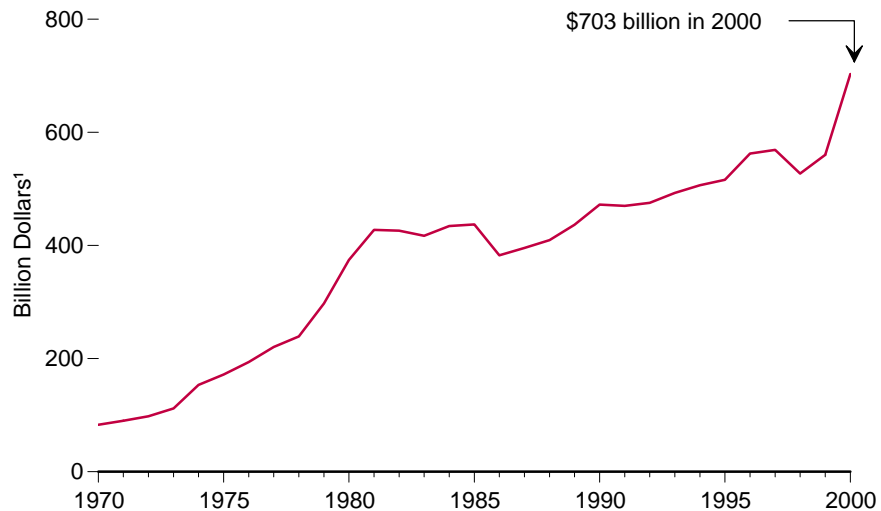
Notes: • Consumer prices are intended to represent prices paid by consumers. As such they include taxes where data were available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy.

Web Page: http://www.eia.doe.gov/emeu/states/sep_prices/total/pdf/pr_us.pdf.

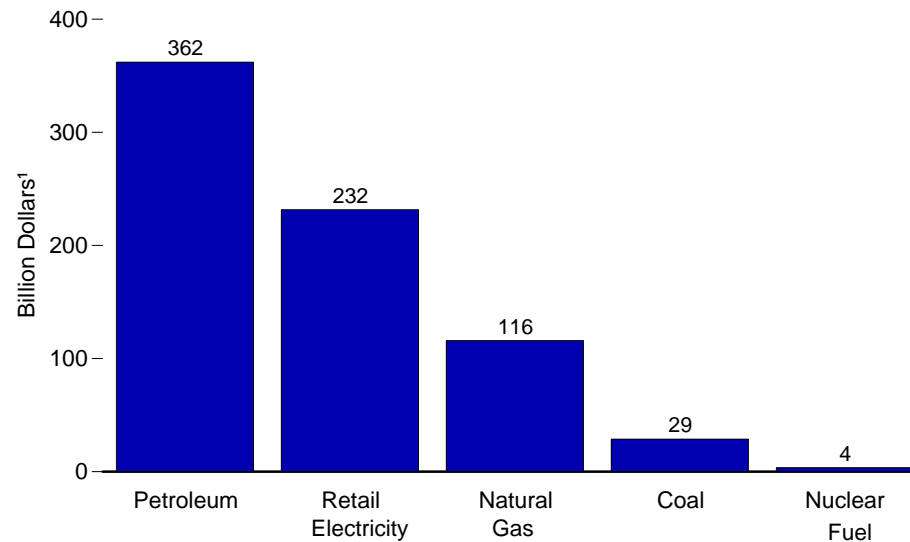
Source: Energy Information Administration, State Energy Data 2000 (March 2003), Table 1.

Figure 3.4 Consumer Expenditure Estimates for Energy

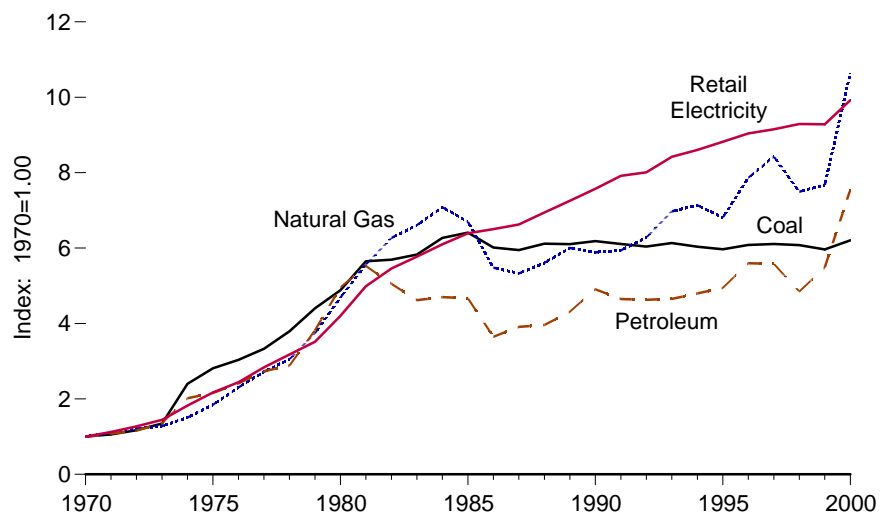
Total Energy, 1970-2000



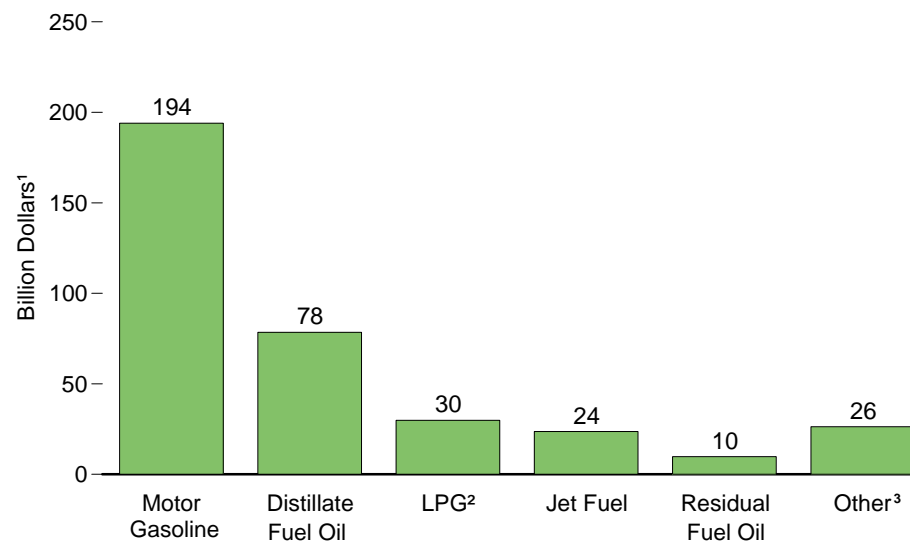
By Energy Type, 2000



Expenditures¹ by Energy Type, Indexed, 1970-2000



By Petroleum Product, 2000



¹Nominal dollars.

²Liquefied petroleum gases.

³Asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 3.4.

Table 3.4 Consumer Expenditure Estimates for Energy, 1970-2000
(Million Nominal Dollars)

Year	Primary Energy ¹													Electric Utility Fuel ^{5,6}	Retail Electricity ⁷	Total Energy ⁸
	Coal	Coal Coke Net Imports ²	Natural Gas	Petroleum						Nuclear Fuel	Wood and Waste	Total ⁵				
				Distillate Fuel Oil	Jet Fuel	LPG ³	Motor Gasoline	Residual Fuel Oil	Other ⁴				Total			
1970	4,630	-75	10,891	6,253	1,441	2,446	31,596	2,046	4,159	47,942	44	438	63,870	-4,316	23,345	82,898
1971	4,902	-40	12,065	6,890	1,582	2,531	33,478	2,933	4,429	51,844	73	446	69,290	-5,441	26,202	90,051
1972	5,415	-26	13,198	7,552	1,682	2,889	35,346	3,458	4,756	55,682	104	476	74,848	-6,473	29,712	98,088
1973	6,243	7	13,933	9,524	2,001	3,933	39,667	4,667	5,300	65,091	177	502	85,953	-7,817	33,774	111,910
1974	11,118	150	16,380	15,217	3,208	5,273	54,194	10,547	8,264	96,704	259	544	125,155	-14,391	42,586	153,350
1975	13,021	82	20,061	15,680	4,193	5,231	59,446	10,374	8,448	103,372	448	534	137,517	-16,396	50,680	171,802
1976	14,051	44	25,097	18,402	4,567	5,993	64,977	11,648	9,880	115,468	520	622	155,802	-18,923	56,972	193,852
1977	15,416	67	29,602	22,004	5,517	6,824	70,591	14,381	11,719	131,036	743	694	177,558	-23,392	66,225	220,391
1978	17,551	362	33,185	23,587	6,205	6,621	74,513	13,747	13,294	137,967	915	782	190,762	-25,746	74,159	239,175
1979	20,376	259	40,785	32,854	8,603	9,383	95,916	17,656	18,760	183,173	941	964	246,498	-31,031	82,051	297,518
1980	22,607	-78	51,061	40,797	13,923	10,926	124,408	21,573	26,001	237,628	1,189	1,252	313,659	-37,435	98,095	374,319
1981	26,159	-31	60,544	48,200	15,607	11,900	138,138	22,668	28,445	264,957	1,436	1,452	354,517	-43,275	116,455	427,697
1982	26,349	-52	68,292	44,087	14,974	12,925	130,305	17,632	22,355	242,279	1,684	1,475	340,027	-41,311	127,393	426,109
1983	26,987	-44	72,000	41,846	13,979	14,083	115,803	14,099	21,536	221,345	1,859	1,504	323,652	-41,336	134,731	417,047
1984	29,021	-22	77,169	44,580	15,097	14,143	114,429	14,410	22,576	225,234	2,384	1,552	335,336	-43,378	142,420	434,379
1985	29,673	-34	72,938	43,759	14,747	13,545	118,048	11,493	22,004	223,597	2,878	1,493	330,545	-42,507	149,233	437,271
1986	27,847	-40	59,702	34,995	10,505	12,694	91,529	7,486	17,579	174,788	3,061	1,319	266,677	-35,729	151,793	382,741
1987	27,526	7	58,019	37,587	11,448	12,859	99,864	8,062	17,581	187,400	3,378	1,299	277,629	-36,584	154,685	395,730
1988	28,329	116	61,089	38,593	11,318	12,775	103,323	7,259	16,674	189,941	4,057	1,358	284,890	-37,381	162,063	409,572
1989	28,271	137	65,383	43,246	13,434	12,154	112,720	8,354	16,965	206,872	3,939	1,656	306,212	-38,793	169,332	436,752
1990	28,637	22	64,102	49,430	17,784	13,680	126,558	8,707	19,169	235,328	4,104	1,678	333,764	-38,287	176,737	472,214
1991	28,290	44	64,697	45,181	14,609	14,922	123,118	6,786	18,160	222,776	4,073	1,782	321,763	-36,482	184,814	470,095
1992	27,972	126	68,400	45,110	13,559	14,161	125,249	5,575	18,267	221,923	3,802	1,792	324,105	-35,761	186,954	475,298
1993	28,408	96	75,941	45,885	13,002	13,961	126,560	5,439	18,250	223,096	3,597	1,673	332,895	-36,658	196,579	492,816
1994	27,946	214	77,716	47,240	12,474	16,253	130,068	5,288	18,654	229,976	3,777	1,893	341,728	-36,057	200,883	506,553
1995	27,632	234	74,150	47,845	12,525	16,250	136,647	4,667	19,175	237,110	3,810	1,877	345,040	-34,765	205,932	516,207
1996	28,168	156	85,634	56,675	15,770	21,159	148,344	5,297	21,202	268,447	3,624	2,059	388,224	-36,635	211,011	562,600
1997	28,276	170	91,736	56,199	15,000	19,861	149,668	5,211	21,683	267,621	3,355	1,817	393,131	-37,765	213,645	569,011
1998	28,139	188	81,628	48,763	11,239	15,343	132,730	4,288	20,004	232,367	3,568	1,813	347,627	-37,527	216,928	527,028
1999	27,621	140	83,559	54,996	13,878	19,147	149,260	4,300	21,332	262,912	3,558	2,341	379,913	-36,490	216,737	560,161
2000	28,728	146	115,910	78,488	23,636	29,851	193,999	9,740	26,312	362,026	3,542	2,441	512,910	-41,375	231,653	703,188

¹ "Primary Energy" expenditure estimates are for all sectors, including electric utilities.

² Values derive from U.S. Department of Commerce, Bureau of the Census, "Monthly Report IM-145" and "Monthly Report EM-545," and may differ slightly from those shown on Table 3.7, which derive from Bureau of the Census, *U.S. International Trade in Goods and Services*. FT600 series.

³ Liquefied petroleum gases.

⁴ Asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

⁵ Includes net imports of electricity generated from nonrenewable energy sources, which are not separately displayed.

⁶ Expenditure estimates for primary energy at electric utilities. Values are negative so the columns will

sum to the "Total Energy" column.

⁷ Retail electricity expenditures by ultimate customers, reported by electric utilities and other energy service providers.

⁸ "Total Energy" expenditure estimates exclude primary energy at electric utilities, but include retail electricity.

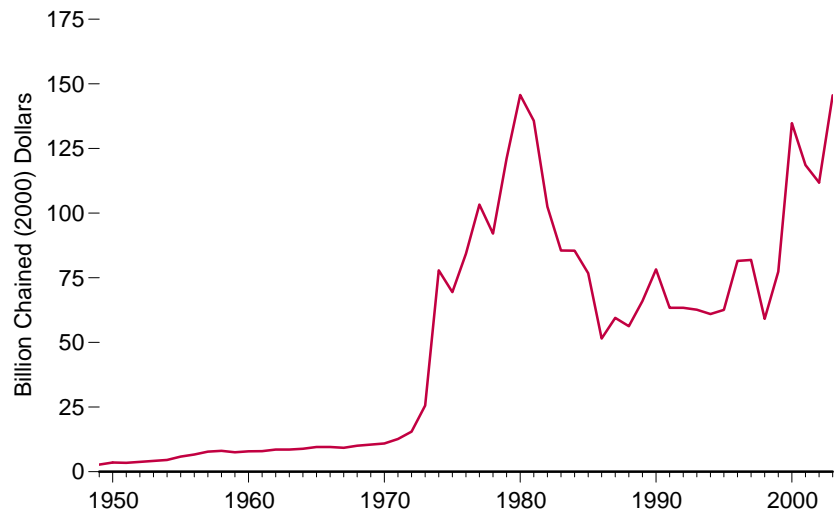
Notes: • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy. • Totals may not equal the sum of components due to independent rounding.

Web Page: http://www.eia.doe.gov/emeu/states/sep_prices/total/pdf/pr_us.pdf.

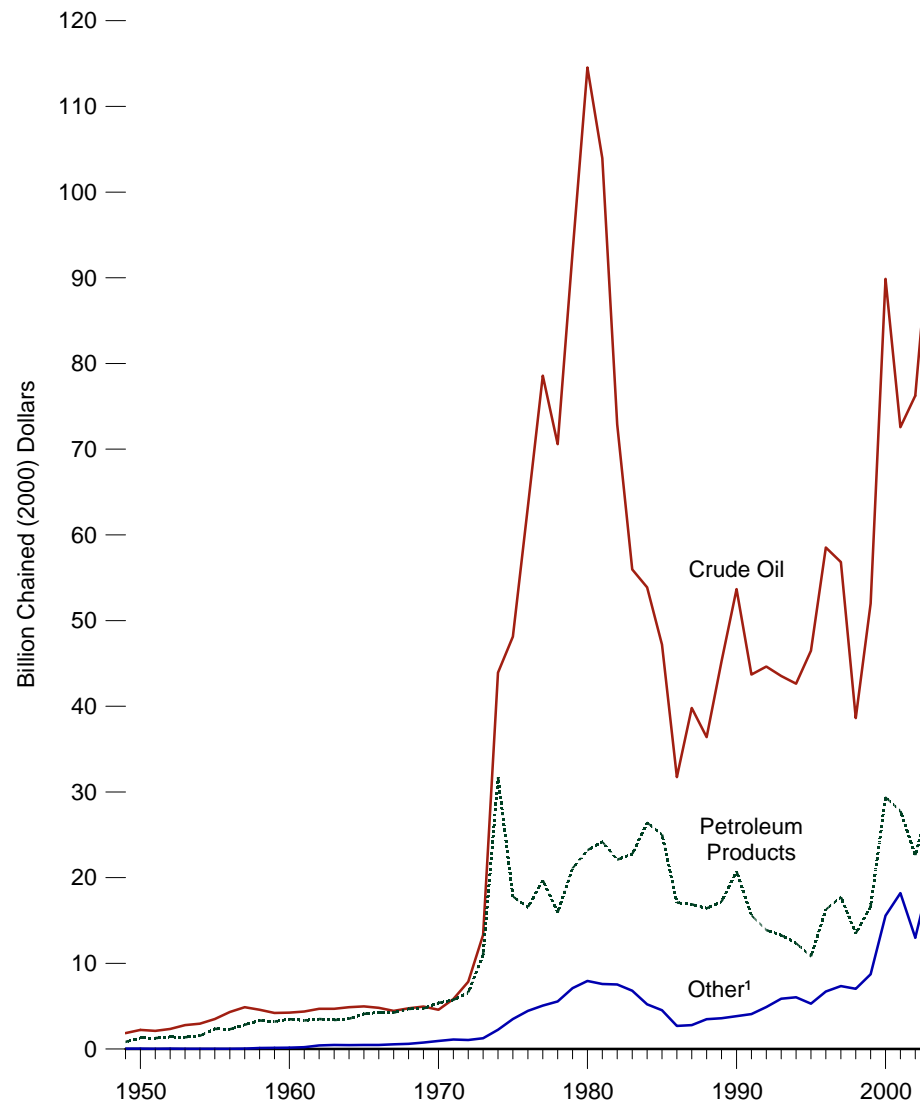
Source: Energy Information Administration, State Energy Data 2000 (March 2003), Table 1.

Figure 3.5 Value of Fossil Fuel Imports

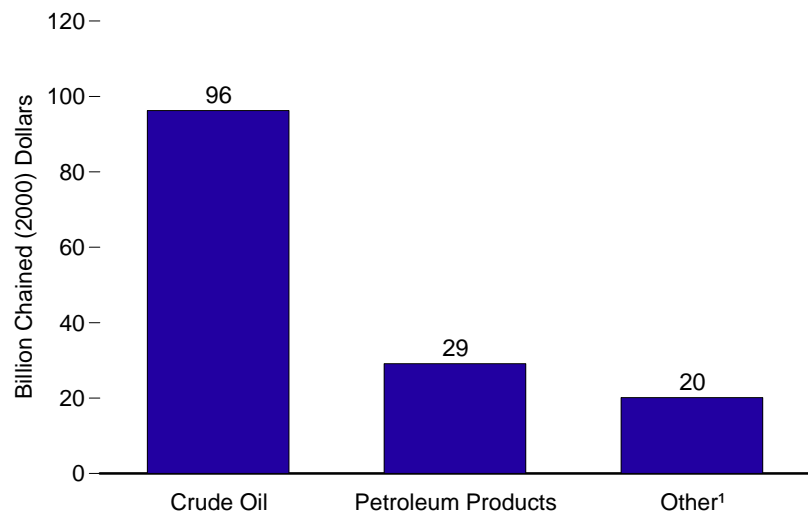
Total, 1949-2003



By Fuel, 1949-2003



By Fuel, 2003



¹ Natural gas, coal, and coal coke.

Notes: • Prices are in chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.5.

Table 3.5 Value of Fossil Fuel Imports, Selected Years, 1949-2003
(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil ¹		Petroleum Products ²		Total	
	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³	Nominal	Real ³
1949	(s)	0.01	(s)	0.02	0.00	0.00	0.30	R1.86	0.14	R0.84	0.45	R2.74
1950	(s)	0.02	0.01	0.03	0.00	0.00	0.37	R2.23	0.21	R1.30	0.59	R3.58
1955	(s)	0.01	(s)	0.01	(s)	0.01	0.65	R3.49	0.44	R2.36	1.10	R5.88
1960	(s)	0.01	(s)	0.01	0.03	0.13	0.90	R4.25	0.73	R3.48	1.66	R7.88
1965	(s)	0.01	(s)	0.01	0.11	R0.47	1.12	R4.97	0.92	R4.10	2.15	R9.55
1970	(s)	(s)	(s)	0.01	0.26	R0.94	1.26	R4.58	1.48	R5.38	3.00	R10.91
1971	(s)	0.01	0.01	0.02	0.31	R1.08	1.69	R5.84	1.66	R5.73	3.66	R12.67
1972	(s)	(s)	(s)	R0.02	0.31	R1.04	2.37	R7.85	1.99	R6.59	4.68	R15.51
1973	(s)	R0.01	0.04	0.12	0.36	R1.14	4.24	R13.31	3.50	R10.98	8.14	R25.56
1974	0.06	R0.17	0.19	R0.56	0.53	R1.53	15.25	R43.92	11.01	R31.71	27.05	R77.89
1975	0.02	R0.06	0.16	R0.41	1.15	R3.03	18.29	R48.13	6.77	R17.81	26.39	R69.44
1976	0.02	0.04	0.11	R0.28	1.66	R4.13	25.46	R63.33	6.65	R16.55	33.90	R84.33
1977	0.04	0.09	0.13	R0.31	2.00	R4.68	33.59	R78.57	8.42	R19.69	44.18	R103.34
1978	0.07	R0.16	0.41	R0.89	2.06	R4.50	32.30	R70.59	7.30	R15.96	42.15	R92.11
1979	0.05	0.10	0.34	R0.69	3.13	R6.31	46.06	R92.96	10.45	R21.09	60.03	R121.15
1980	0.03	R0.06	0.05	R0.10	4.21	R7.80	61.90	R114.54	12.54	R23.21	78.74	R145.69
1981	0.03	0.05	0.04	0.07	4.41	R7.46	61.46	R103.96	14.30	R24.18	80.24	R135.73
1982	0.02	R0.04	0.01	(s)	4.69	R7.48	45.72	R72.89	13.86	R22.10	64.31	R102.53
1983	0.04	R0.07	(s)	(s)	4.39	R6.73	36.49	R55.96	14.84	R22.76	55.77	R85.52
1984	0.05	R0.07	0.05	0.07	3.44	R5.08	36.44	R53.87	17.87	R26.41	57.84	R85.49
1985	0.07	0.10	0.04	0.06	3.05	R4.37	32.90	R47.20	17.47	R25.05	53.53	R76.79
1986	0.08	0.11	0.03	R0.04	1.82	R2.56	22.61	R31.73	12.18	R17.10	36.72	R51.53
1987	0.06	R0.08	0.05	R0.08	1.93	R2.64	29.13	R39.80	12.37	R16.89	43.54	R59.48
1988	0.06	0.08	0.19	R0.26	2.38	R3.14	27.55	R36.39	12.43	R16.43	42.62	R56.30
1989	0.10	0.12	0.22	R0.28	2.51	R3.19	35.53	R45.23	13.50	R17.18	51.85	R66.00
1990	0.09	0.11	0.07	R0.09	2.97	R3.64	43.78	R53.66	16.90	R20.72	63.83	R78.23
1991	0.11	0.13	0.09	R0.11	3.24	R3.83	36.90	R43.70	13.17	R15.60	53.51	R63.37
1992	0.13	R0.15	0.14	R0.17	3.96	R4.58	38.55	R44.63	11.98	R13.87	54.77	R63.40
1993	0.25	R0.29	0.17	R0.19	4.77	R5.40	38.47	R43.53	11.74	R13.28	55.40	R62.68
1994	0.27	R0.30	0.27	R0.30	4.90	R5.43	38.48	R42.63	11.14	R12.35	55.07	R61.01
1995	0.32	R0.35	0.33	R0.35	4.23	R4.59	42.81	R46.48	9.95	R10.80	57.64	R62.58
1996	0.27	R0.29	0.24	R0.26	5.79	R6.17	54.93	R58.53	15.27	R16.27	76.51	R81.52
1997	0.26	R0.27	0.25	R0.27	6.50	R6.81	54.23	R56.83	16.93	R47.74	78.16	R81.91
1998	0.28	R0.29	0.29	R0.30	6.21	R6.44	37.25	R38.61	13.01	R13.49	57.05	R59.13
1999	0.28	R0.29	0.23	R0.23	8.03	R8.21	50.89	R52.00	16.28	R16.64	75.71	R77.36
2000	0.38	R0.38	0.25	R0.25	14.94	R14.94	89.88	R89.88	29.38	R29.38	134.81	R134.81
2001	0.67	R0.66	R0.19	R0.19	17.77	R17.36	74.29	R72.57	28.45	R27.79	121.38	R118.57
2002	0.60	R0.58	0.24	R0.23	12.67	R12.19	R79.25	R76.24	R23.52	R22.63	R116.29	R111.88
2003 ^P	0.79	0.75	0.24	0.23	20.27	19.18	101.72	96.26	30.80	29.14	153.81	145.56

¹ Beginning in 1977, includes imports into the Strategic Petroleum Reserve.

² Includes petroleum preparations, liquefied propane and butane, and, beginning in 1997, other mineral fuels.

³ In chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

⁴ There is a discontinuity in this time series between 1996 and 1997 due to the addition of the commodity category "Other Mineral Fuels."

R=Revised. P=Preliminary. (s)=Less than 0.005 billion.

Notes: • Includes value of imports into Puerto Rico from foreign countries; excludes receipts into the 50 States and the District of Columbia from the Virgin Islands and Puerto Rico. • Totals may not equal sum of components due to independent rounding.

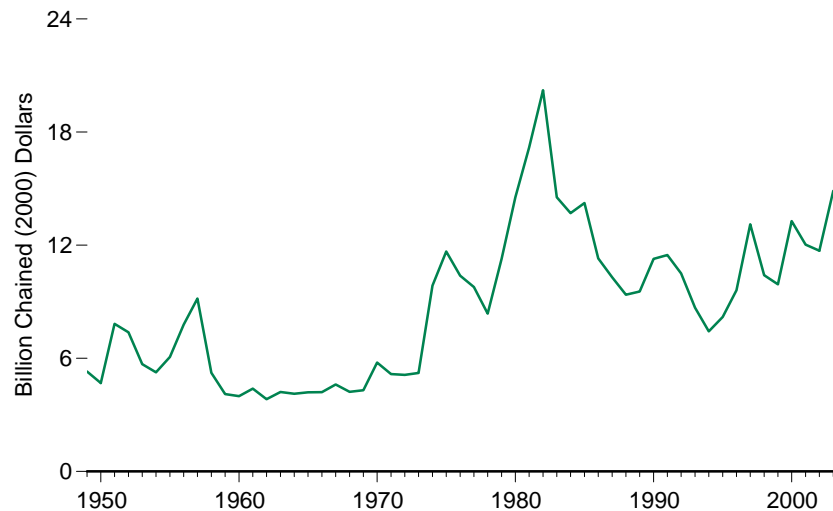
Web Page: For data not shown for 1951-1969, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

Sources: **Coal and Coal Coke:** Bureau of the Census, Foreign Trade Division, unpublished data. **Natural Gas:** • 1949-1962—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*,

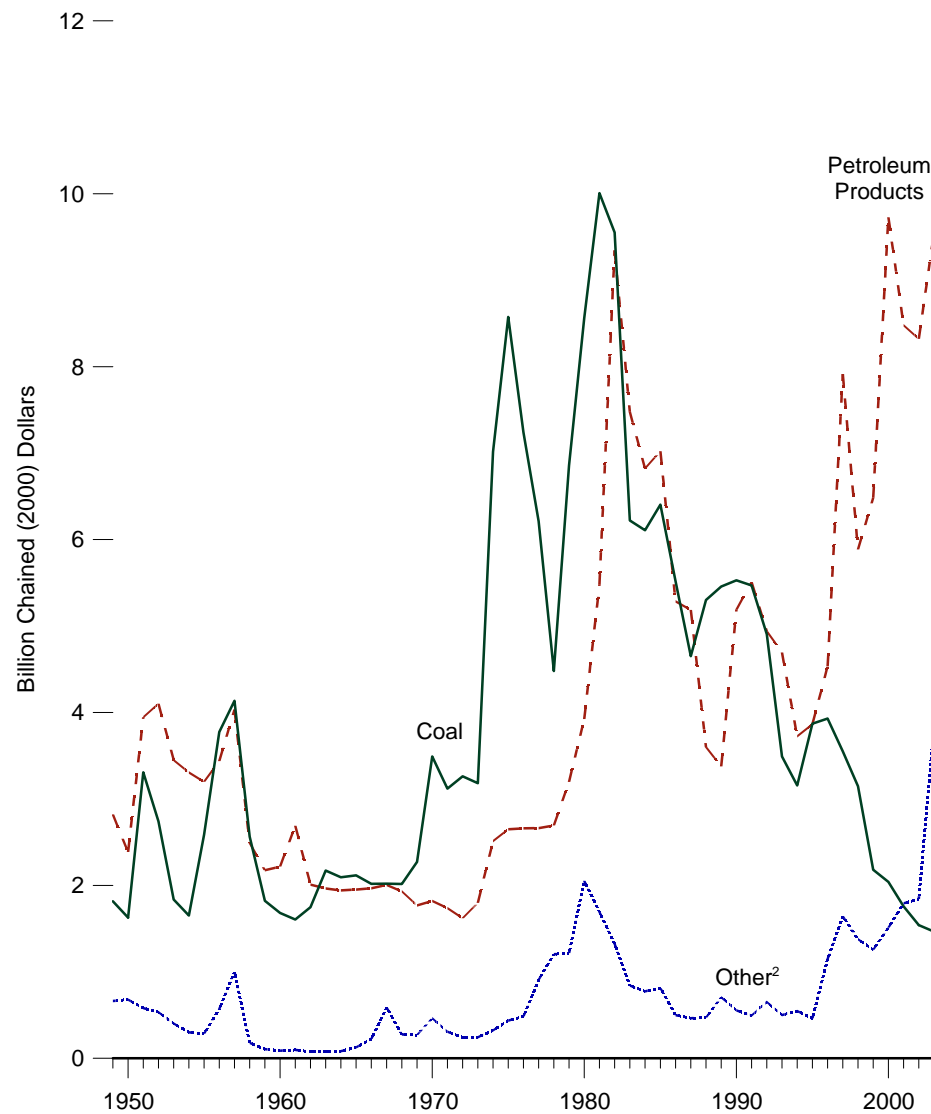
FT110. • 1963—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT125. • 1964-1971—Bureau of the Census, *U.S. Imports for Consumption and General Imports*, FT246. • 1972 and 1973—Federal Power Commission, *Pipeline Imports and Exports of Natural Gas - Imports and Exports of LNG*. • 1974-1977—Federal Power Commission, *United States Imports and Exports of Natural Gas*, annual reports. • 1978-1981—Energy Information Administration (EIA), *U.S. Imports and Exports of Natural Gas*, annual reports. • 1982-1998—EIA, *Natural Gas Monthly*, monthly reports. • 1999-2000—EIA, *Natural Gas Monthly*, (August 2001). • 2001 forward—Calculated from EIA, *Natural Gas Monthly*, March reports, Tables 5 and 6. **Crude Oil and Petroleum Products:** • 1949-1962—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT110. • 1963—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT125. • 1964-1988—Bureau of the Census, *U.S. Imports for Consumption*, FT135. • 1989 forward—Bureau of the Census, Foreign Trade Division, *U.S. Merchandise Trade*, FT900, "Exhibit 15. Exports and Imports of Goods by Principal SITC Commodity Groupings," December issues.

Figure 3.6 Value of Fossil Fuel Exports

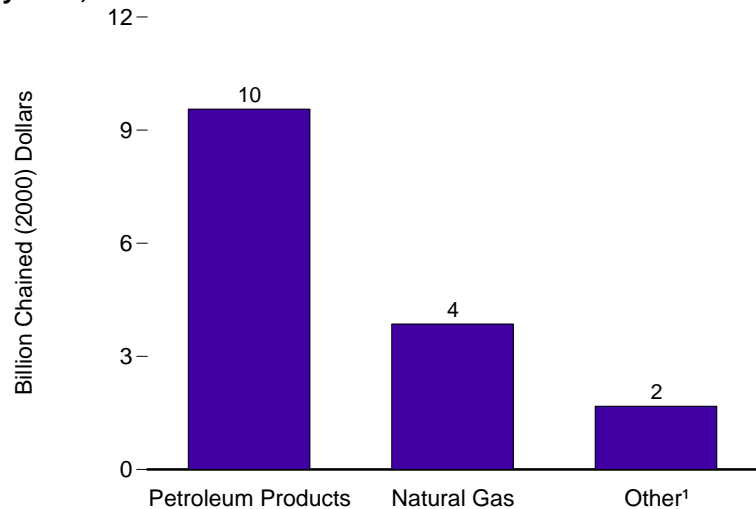
Total, 1949-2003



By Fuel, 1949-2003



By Fuel, 2003



¹ Coal, crude oil, and coal coke.

² Natural gas, crude oil, and coal coke.

Notes: • Prices are in chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.6.

Table 3.6 Value of Fossil Fuel Exports, Selected Years, 1949-2003
(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil		Petroleum Products ¹		Total	
	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²
1949	0.30	R1.82	0.01	0.05	(s)	0.01	0.10	R0.60	0.46	R2.82	0.87	R5.30
1950	0.27	R1.63	0.01	0.04	(s)	0.02	0.10	R0.62	0.39	R2.39	0.78	R4.69
1955	0.48	R2.59	0.01	0.04	0.01	0.03	0.04	R0.21	0.60	R3.20	1.14	R6.07
1960	0.35	R1.68	0.01	0.03	(s)	0.02	0.01	0.04	0.47	R2.22	0.84	R3.99
1965	0.48	R2.12	0.02	0.07	0.01	0.03	(s)	0.02	0.44	R1.95	0.95	R4.19
1970	0.96	R3.49	0.08	R0.29	0.03	R0.11	0.02	R0.07	0.50	R1.82	1.59	R5.78
1971	0.90	R3.12	0.04	R0.16	0.04	0.13	0.01	0.02	0.50	R1.74	1.49	R5.16
1972	0.98	R3.26	0.03	0.10	0.04	R0.13	(s)	0.01	0.49	R1.62	1.55	R5.12
1973	1.01	R3.18	0.03	0.10	0.04	R0.13	(s)	0.01	0.57	R1.80	1.66	R5.22
1974	2.44	R7.02	0.04	R0.13	0.05	R0.16	0.01	0.04	0.87	R2.51	3.42	R9.85
1975	3.26	R8.58	0.07	R0.20	0.09	R0.24	(s)	(s)	1.01	R2.65	4.43	R11.66
1976	2.91	R7.24	0.07	R0.17	0.10	R0.25	0.03	R0.07	1.07	R2.66	4.17	R10.39
1977	2.66	R6.21	0.07	R0.17	0.11	R0.25	0.21	R0.49	1.14	R2.66	4.18	R9.78
1978	2.05	R4.48	0.05	R0.11	0.11	R0.24	0.39	R0.85	1.23	R2.69	3.83	R8.38
1979	3.40	R6.86	0.08	R0.16	0.13	R0.26	0.39	R0.80	1.58	R3.20	5.58	R11.27
1980	4.63	R8.56	0.13	R0.24	0.23	R0.42	0.75	R1.39	2.12	R3.92	7.86	R14.54
1981	5.92	R10.01	0.07	R0.13	0.35	R0.59	0.58	R0.98	3.24	R5.48	10.16	R17.18
1982	5.99	R9.55	0.06	R0.10	0.30	R0.48	0.47	R0.75	5.86	R9.34	12.68	R20.22
1983	4.06	R6.22	0.05	0.07	0.28	R0.43	0.22	R0.34	4.88	R7.48	9.48	R14.54
1984	4.13	R6.11	0.07	0.10	0.27	R0.40	0.19	R0.27	4.62	R6.82	9.27	R13.71
1985	4.47	R6.41	0.08	R0.11	0.26	R0.38	0.23	R0.32	4.90	R7.02	9.93	R14.24
1986	3.93	R5.52	0.07	0.09	0.17	R0.24	0.12	0.16	3.77	R5.29	8.05	R11.30
1987	3.40	R4.65	0.05	R0.07	0.17	R0.23	0.13	R0.17	3.80	R5.19	7.54	R10.30
1988	4.01	R5.30	0.08	0.10	0.20	R0.27	0.08	0.10	2.72	R3.60	7.09	R9.37
1989	4.29	R5.46	0.08	0.10	0.27	R0.34	0.21	R0.26	2.65	R3.38	7.49	R9.54
1990	4.51	R5.53	0.05	0.06	0.27	R0.32	0.14	R0.17	4.23	R5.19	9.20	R11.27
1991	4.62	R5.47	0.05	0.06	0.33	R0.40	0.03	0.04	4.65	R5.51	9.69	R11.48
1992	4.24	R4.91	0.04	0.05	0.49	R0.56	0.03	0.04	4.27	R4.94	9.07	R10.50
1993	3.09	R3.49	0.06	R0.07	0.36	R0.41	0.02	0.02	4.15	R4.69	7.68	R8.69
1994	2.85	R3.16	0.04	0.04	0.40	R0.45	0.05	0.05	3.36	R3.72	6.71	R7.43
1995	3.57	R3.87	0.05	0.05	0.37	R0.40	0.01	0.01	3.56	R3.87	7.55	R8.20
1996	3.69	R3.93	0.06	R0.07	0.46	R0.49	0.56	R0.60	4.25	R4.53	9.02	R9.61
1997	3.39	R3.55	0.05	R0.06	0.47	R0.50	1.04	R1.09	37.55	R37.91	12.51	R13.11
1998	3.04	R3.15	0.04	R0.05	0.39	R0.40	0.90	R0.93	5.68	R5.89	10.04	R10.41
1999	2.13	R2.18	0.03	0.03	0.43	R0.44	0.77	R0.79	6.35	R6.48	9.71	R9.92
2000	2.04	R2.04	0.05	0.05	1.00	R1.00	0.46	R0.46	9.73	R9.73	13.28	R13.28
2001	1.80	R1.76	R0.11	R0.11	1.54	R1.50	0.19	R0.18	8.68	R8.48	R12.31	R12.03
2002	1.60	R1.54	R0.06	R0.06	1.76	R1.69	0.09	R0.09	8.65	R8.32	R12.17	R11.71
2003 ^P	1.55	1.46	0.07	0.07	3.85	3.65	0.16	0.15	10.10	9.56	15.73	14.88

¹ Includes petroleum preparations, liquefied propane and butane, and, beginning in 1997, other mineral fuels.

² In chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

³ There is a discontinuity in this time series between 1996 and 1997 due to the addition of the commodity category "Other Mineral Fuels."

R=Revised. P=Preliminary. (s)=Less than 0.005 billion.

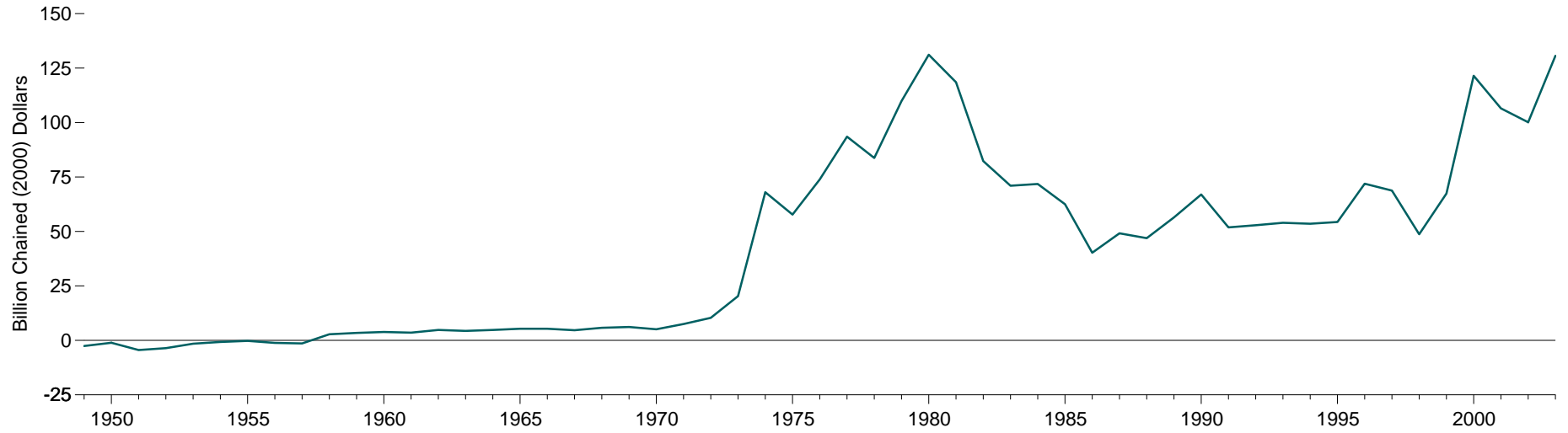
Notes: • Includes value of exports from Puerto Rico to foreign countries; excludes shipments from the 50 States and the District of Columbia to the Virgin Islands and Puerto Rico. • Totals may not equal sum of components due to independent rounding.

Web Page: For data not shown for 1951-1969, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

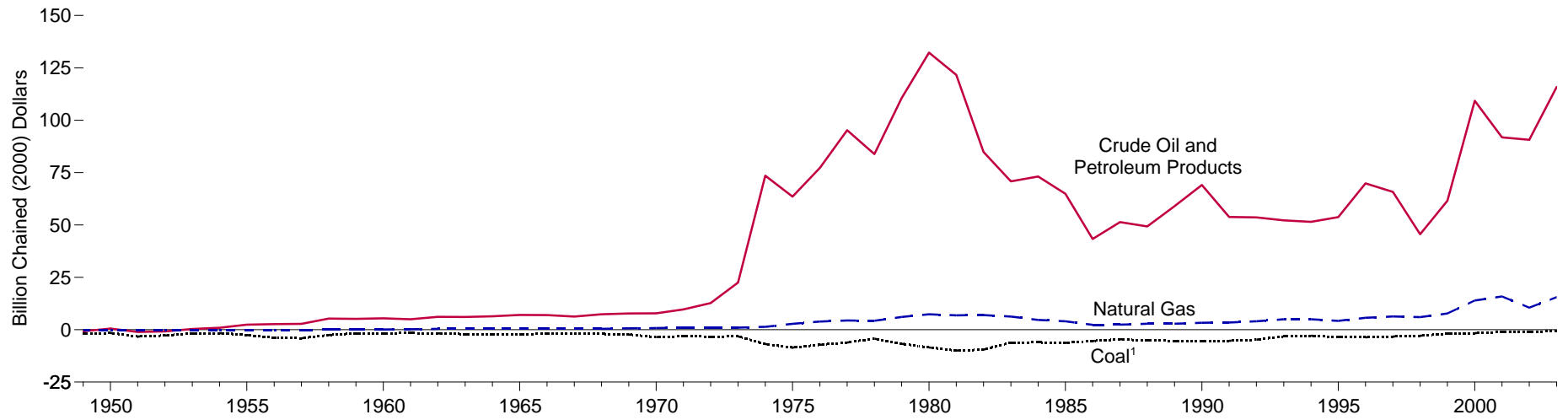
Sources: **Coal and Coal Coke:** Bureau of the Census, Foreign Trade Division, unpublished data. **Natural Gas:** • 1949-1971—Bureau of the Census, *U.S. Exports*, FT410. • 1972 and 1973—Federal Power Commission, *Pipeline Imports and Exports of Natural Gas - Imports and Exports of LNG*. • 1974-1977—Federal Power Commission, *United States Imports and Exports of Natural Gas*, annual reports. • 1978-1981—Energy Information Administration (EIA), *U.S. Imports and Exports of Natural Gas*, annual reports. • 1982-1998—EIA, *Natural Gas Monthly*, monthly reports. • 1999-2002—EIA, *Natural Gas Monthly* (August 2003). • 2003—Calculated from EIA, *Natural Gas Monthly*, (March 2004), Tables 5 and 6. **Crude Oil and Petroleum Products:** • 1949-1988—Bureau of the Census, *U.S. Exports*, FT410. • 1989 forward—Bureau of the Census, Foreign Trade Division, *U.S. Merchandise Trade*, FT900, "Exhibit 15. Exports and Imports of Goods by Principal SITC Commodity Groupings," December issues.

Figure 3.7 Value of Fossil Fuel Net Imports, 1949-2003

Value of Fossil Fuel Net Imports



Value of Fossil Fuel Net Imports by Fuel



¹Includes small amounts of coal coke.

Source: Table 3.7.

Notes: • Negative net imports are net exports. • Prices are in chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

Table 3.7 Value of Fossil Fuel Net Imports, Selected Years, 1949-2003
(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil		Petroleum Products ¹		Total	
	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²	Nominal	Real ²
1949	-0.29	R-1.80	(s)	-0.03	(s)	-0.01	0.21	R1.26	-0.32	R-1.98	-0.42	R-2.56
1950	-0.27	R-1.61	(s)	R-0.01	(s)	-0.02	0.27	R1.61	-0.18	R-1.09	-0.18	R-1.11
1955	-0.48	R-2.57	-0.01	R-0.04	-0.01	-0.03	0.62	R3.29	-0.16	R-0.84	-0.04	R-0.19
1960	-0.35	R-1.67	-0.01	R-0.03	0.02	R0.12	0.89	R4.22	0.26	R1.26	0.82	R3.89
1965	-0.48	R-2.11	-0.01	R-0.07	0.10	R0.44	1.11	R4.95	0.48	R2.15	1.21	R5.36
1970	-0.96	R-3.49	-0.08	R-0.27	0.23	R0.83	1.24	R4.51	0.98	R3.56	1.41	R5.14
1971	-0.90	R-3.11	-0.04	R-0.14	0.27	R0.95	1.68	R5.82	1.15	R3.99	2.17	R7.50
1972	-0.98	R-3.26	-0.03	R-0.09	0.28	R0.91	2.37	R7.85	1.50	R4.97	3.13	R10.39
1973	-1.01	R-3.18	0.01	R0.02	0.32	R1.01	4.24	R13.31	2.93	R9.19	6.48	R20.34
1974	-2.38	R-6.85	0.15	R0.43	0.48	R1.37	15.24	R43.89	10.14	R29.20	23.63	R68.04
1975	-3.24	R-8.52	0.08	R0.22	1.06	R2.79	18.29	R48.13	5.76	R15.16	21.96	R57.78
1976	-2.89	R-7.20	0.04	R0.11	1.56	R3.88	25.43	R63.26	5.58	R13.89	29.72	R73.94
1977	-2.62	R-6.12	0.06	R0.14	1.89	R4.43	33.38	R78.08	7.28	R17.03	40.00	R93.56
1978	-1.98	R-4.32	0.36	R0.79	1.95	R4.26	31.91	R69.73	6.07	R13.27	38.31	R83.73
1979	-3.35	R-6.75	0.26	R0.52	3.00	R6.05	45.66	R92.16	8.87	R17.89	54.44	R109.88
1980	-4.60	R-8.51	-0.08	-0.14	3.98	R7.37	61.15	R113.15	10.42	R19.28	70.88	R131.15
1981	-5.89	R-9.96	-0.03	-0.05	4.06	R6.87	60.88	R102.98	11.06	R18.71	70.09	R118.55
1982	-5.97	R-9.52	-0.05	-0.08	4.39	R7.00	45.25	R72.15	8.00	R12.76	51.63	R82.31
1983	-4.01	R-6.16	-0.04	R-0.07	4.11	R6.30	36.27	R55.62	9.96	R15.28	46.28	R70.98
1984	-4.09	R-6.04	-0.02	-0.03	3.17	R4.68	36.26	R53.59	13.25	R19.58	48.57	R71.79
1985	-4.39	R-6.30	-0.03	-0.05	2.79	R4.00	32.68	R46.87	12.57	R18.03	43.60	R62.55
1986	-3.85	R-5.40	-0.04	R-0.06	1.65	R2.32	22.49	R31.57	8.42	R11.81	28.67	R40.23
1987	-3.35	R-4.58	0.01	0.01	1.76	R2.41	29.00	R39.63	8.57	R11.71	36.00	R49.18
1988	-3.95	R-5.22	0.12	R0.15	2.18	R2.88	27.47	R36.29	9.71	R12.83	35.53	R46.93
1989	-4.19	R-5.33	0.14	R0.17	2.24	R2.85	35.32	R44.97	10.85	R13.81	44.35	R56.46
1990	-4.42	R-5.41	0.02	0.03	2.71	R3.32	43.65	R53.50	12.67	R15.53	54.63	R66.96
1991	-4.51	R-5.34	0.04	0.05	2.90	R3.43	36.87	R43.66	8.52	R10.09	43.82	R51.90
1992	-4.11	R-4.76	0.10	R0.11	3.47	R4.02	38.52	R44.59	7.72	R8.93	45.70	R52.90
1993	-2.83	R-3.21	0.11	R0.12	4.41	R4.99	38.45	R43.50	7.59	R8.59	47.72	R54.00
1994	-2.58	R-2.86	0.23	R0.26	4.50	R4.98	38.43	R42.58	7.78	R8.62	48.37	R53.58
1995	-3.24	R-3.52	0.27	R0.30	3.86	R4.19	42.81	R46.48	6.39	R6.94	50.09	R54.38
1996	-3.41	R-3.64	0.18	R0.19	5.33	R5.68	54.37	R57.93	11.01	R11.74	67.49	R71.91
1997	-3.13	R-3.28	0.20	R0.21	6.02	R6.31	53.19	R55.74	9.37	R9.82	65.65	R68.80
1998	-2.75	R-2.86	0.25	R0.26	5.82	R6.03	36.36	R37.69	7.33	R7.60	47.00	R48.72
1999	-1.85	R-1.90	0.20	R0.20	7.61	R7.77	50.12	R51.21	9.94	R10.15	66.00	R67.44
2000	-1.66	R-1.66	0.20	R0.20	13.94	R13.94	89.41	R89.41	19.65	R19.65	121.53	R121.53
2001	-1.13	R-1.10	R0.08	0.08	16.23	R15.85	74.11	R72.39	19.77	R19.31	109.07	R106.54
2002	-1.00	R-0.96	R0.18	0.17	10.91	R10.50	R79.16	R76.16	R14.87	R14.31	R104.12	R100.17
2003 ^P	-0.76	-0.72	0.17	0.16	16.41	15.53	101.57	96.11	20.70	19.59	138.09	130.67

¹ Includes petroleum preparations, liquefied propane and butane, and, beginning in 1997, other mineral fuels.

² In chained (2000) dollars, calculated by using gross domestic product implicit price deflators. See Table D1.

³ There is a discontinuity in this time series between 1996 and 1997 due to the addition of the commodity category "Other Mineral Fuels."

R=Revised. P=Preliminary. (s)=Less than 0.005 billion.

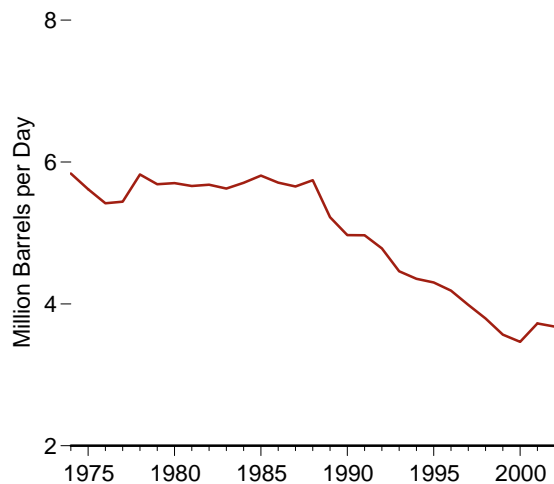
Notes: • Net imports equal imports minus exports. Minus sign indicates that the value of exports is greater than the value of imports. • Totals may not equal sum of components due to independent rounding. • Data on this table may not equal data on Table 3.5 minus data on Table 3.6 due to independent rounding.

Web Page: For data not shown for 1951-1969, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

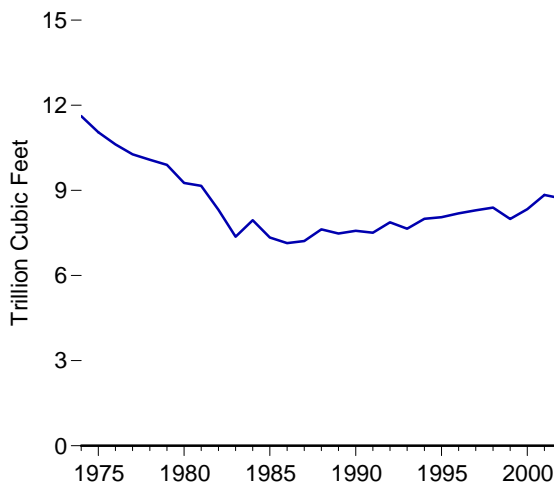
Sources: Tables 3.5 and 3.6.

Figure 3.8 Major U.S. Energy Companies' Domestic Production and Refining, 1974-2002

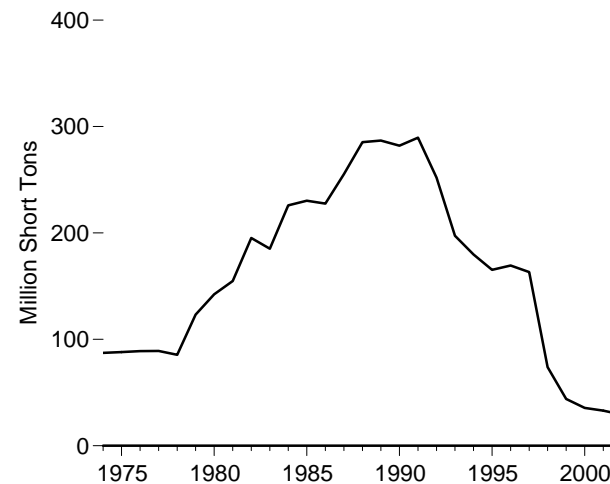
Crude Oil and Natural Gas Liquids Production by Major Energy Companies



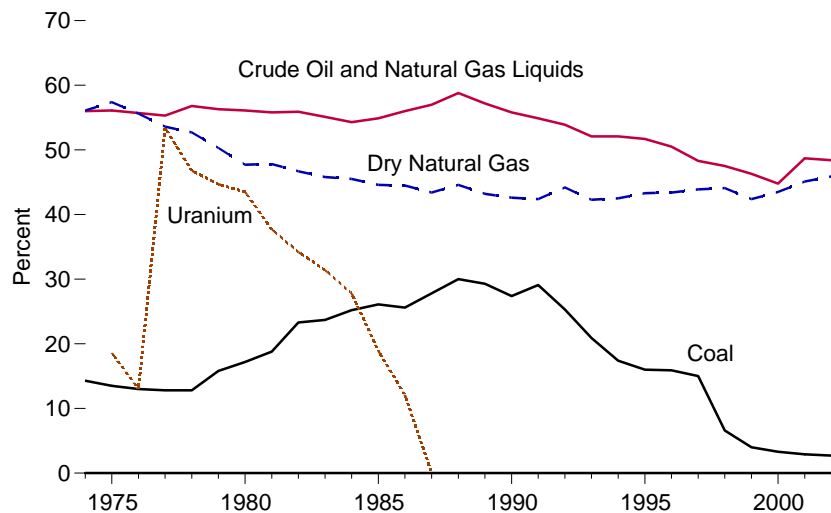
Dry Natural Gas Production by Major Energy Companies



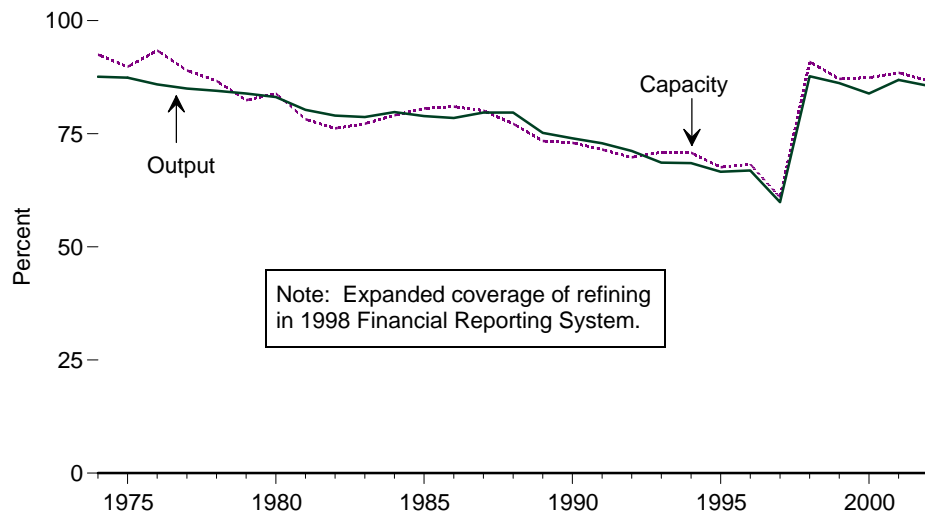
Coal Production by Major Energy Companies



Major Energy Companies' Shares of U.S. Total Production



Major Energy Companies' Shares of U.S. Refining Capacity and Output



Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.8.

Table 3.8 Major U.S. Energy Companies' Domestic Production and Refining, 1974-2002

Year	Production								Refining			
	Crude Oil and Natural Gas Liquids ¹		Dry Natural Gas ¹		Coal ²		Uranium		Capacity ³		Output	
	Million Barrels per Day	Percent of U.S. Total	Trillion Cubic Feet	Percent of U.S. Total	Million Short Tons	Percent of U.S. Total	Million Pounds ⁴	Percent of U.S. Total ⁵	Million Barrels per Day	Percent of U.S. Total ⁶	Million Barrels per Day	Percent of U.S. Total ⁶
1974	5.9	56.0	11.6	56.1	87.4	14.3	NA	NA	13.3	92.5	11.8	87.6
1975	5.6	56.1	11.0	57.4	88.1	13.5	4.3	18.6	13.4	89.8	12.0	87.4
1976	5.4	55.7	10.6	55.6	89.0	13.0	3.3	13.0	14.2	93.4	12.6	85.9
1977	5.5	55.3	10.3	53.6	89.1	12.8	16.0	53.4	14.6	89.0	13.5	85.0
1978	5.8	56.8	10.1	52.7	85.5	12.8	17.3	46.8	14.8	86.7	13.5	84.5
1979	5.7	56.3	9.9	50.3	123.3	15.8	16.7	44.7	14.4	82.4	13.2	83.9
1980	5.7	56.1	9.3	47.7	142.3	17.2	19.0	43.5	15.1	83.9	12.2	83.1
1981	5.7	55.8	9.2	47.8	154.8	18.8	14.5	37.7	14.6	78.2	11.2	80.3
1982	5.7	55.9	8.3	46.7	195.2	23.3	9.2	34.2	13.6	76.2	10.6	79.0
1983	5.6	55.1	7.4	45.8	185.2	23.7	6.6	31.4	13.0	77.2	10.3	78.7
1984	5.7	54.3	7.9	45.5	226.0	25.2	4.1	27.8	12.8	79.1	10.9	79.8
1985	5.8	54.9	7.3	44.6	230.4	26.1	2.1	18.9	12.6	80.6	10.8	78.9
1986	5.7	56.0	7.1	44.5	227.6	25.6	1.6	12.1	12.5	81.0	11.4	78.5
1987	5.7	57.0	7.2	43.4	255.3	27.8	0.0	0.0	12.5	80.1	11.7	79.7
1988	5.7	58.8	7.6	44.6	285.3	30.0	0.0	0.0	12.3	77.2	12.0	79.7
1989	5.2	57.2	7.5	43.2	286.9	29.3	0.0	0.0	11.5	73.4	11.4	75.2
1990	5.0	55.8	7.6	42.6	282.0	27.4	0.0	0.0	11.4	73.0	11.3	74.0
1991	5.0	54.9	7.5	42.4	289.6	29.1	0.0	0.0	11.2	71.5	11.1	72.9
1992	4.8	53.9	7.9	44.2	251.9	25.3	0.0	0.0	11.0	69.8	11.0	71.2
1993	4.5	52.1	7.7	42.3	197.3	20.9	0.0	0.0	10.7	70.9	10.8	68.6
1994	4.4	52.1	8.0	42.5	179.7	17.4	0.0	0.0	10.6	70.8	10.8	68.5
1995	4.3	51.7	8.1	43.3	165.4	16.0	0.0	0.0	10.4	67.6	10.7	66.6
1996	4.2	50.5	8.2	43.4	169.4	15.9	0.0	0.0	10.5	68.3	11.0	66.9
1997	4.0	48.3	8.3	43.9	163.3	15.0	0.0	0.0	9.4	60.9	10.0	59.9
1998	3.8	47.5	8.4	44.1	73.9	6.6	0.0	0.0	⁷ 14.3	⁷ 90.9	⁷ 14.9	⁷ 87.7
1999	3.6	46.3	8.0	42.4	44.0	4.0	0.0	0.0	14.2	87.1	14.6	86.2
2000	3.5	44.8	8.3	^R 43.5	35.5	3.3	0.0	0.0	14.4	^R 87.4	14.5	83.9
2001	3.7	48.7	8.8	^R 45.1	33.0	2.9	0.0	0.0	^R 14.7	^R 88.5	15.0	86.9
2002	3.7	48.4	8.7	45.9	29.3	2.7	0.0	0.0	14.6	86.7	14.8	85.5

¹ Production is on a net ownership basis. "Net ownership" is all reserve quantities owned, regardless of type of ownership (e.g., working interest or royalty).

² Bituminous coal, subbituminous coal, and lignite.

³ Operable capacity as of January 1 of the following year.

⁴ Production of uranium oxide (U₃O₈). See "Uranium Oxide" in Glossary.

⁵ Percent of U.S. total uranium concentrate production. See "Uranium Concentrate" in Glossary.

⁶ The Financial Reporting System (FRS) data include Puerto Rico and the Virgin Islands; U.S. Totals do not include Puerto Rico and the Virgin Islands.

⁷ There is a discontinuity in this time series between 1997 and 1998 due to the expanded coverage of

the FRS.

R=Revised. NA=Not available.

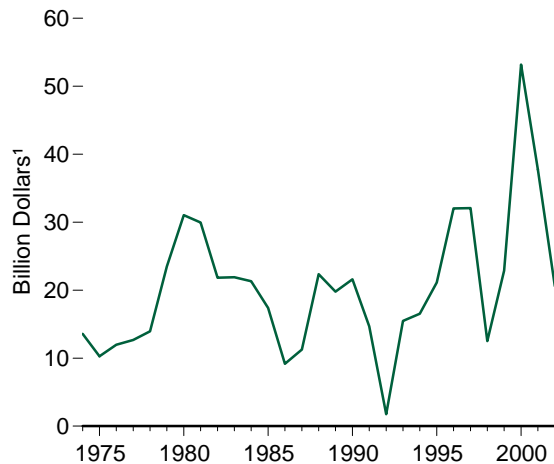
Note: "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the FRS. See Table 3.12.

Web Page: For related information, see <http://www.eia.doe.gov/emeu/finance>.

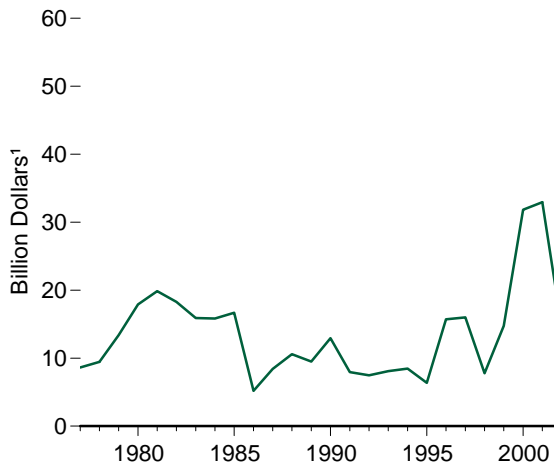
Sources: **Production and Refining:** • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1998. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports. **Percent of U.S. Total:** Tables 5.1, 5.8, 5.9, 6.1, 7.1, and 9.3.

Figure 3.9 Major U.S. Energy Companies' Net Income

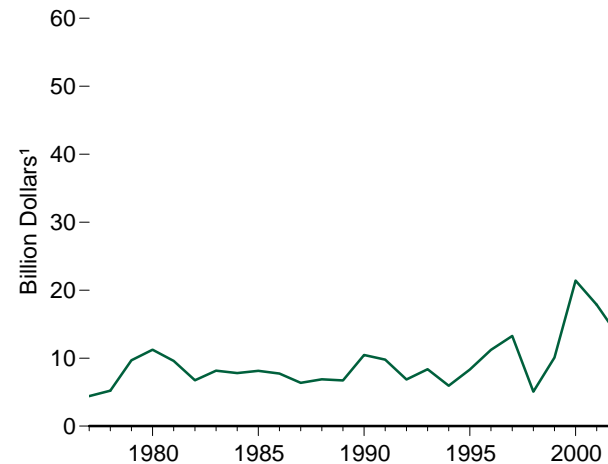
Total, 1974-2002



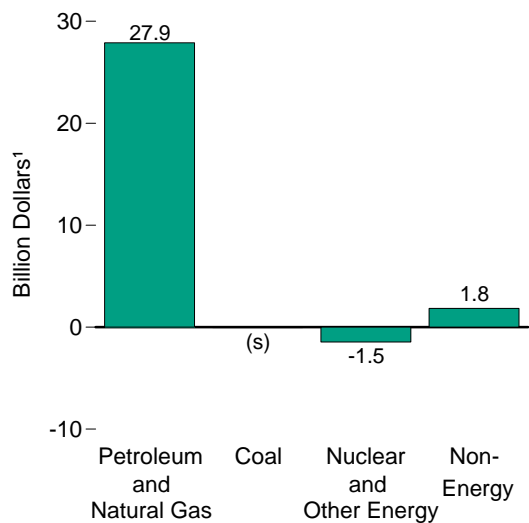
U.S. Petroleum and Natural Gas, 1977-2002



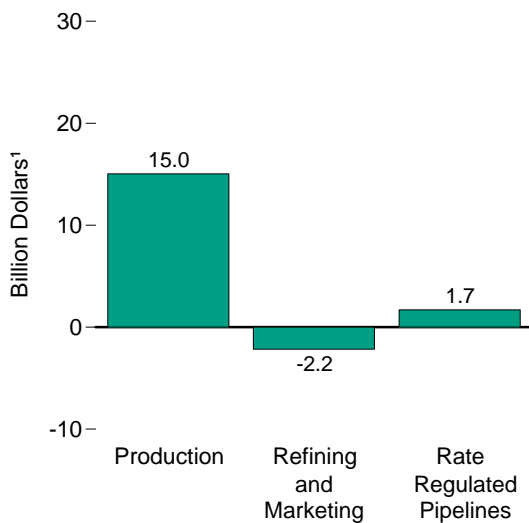
Foreign Petroleum and Natural Gas, 1977-2002



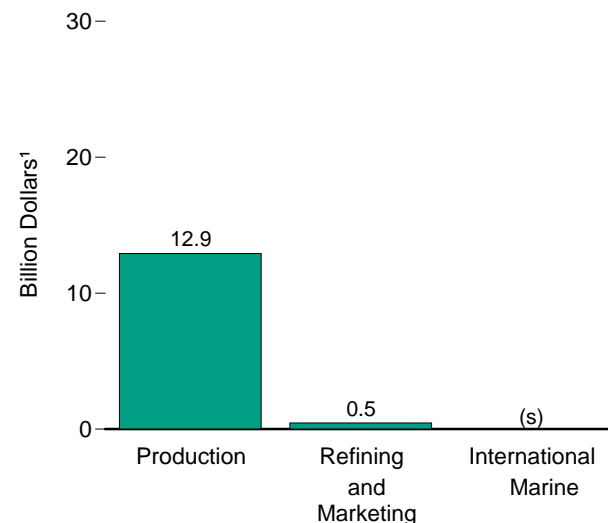
Total by Type of Business, 2002



U.S. Petroleum and Natural Gas by Activity, 2002



Foreign Petroleum and Natural Gas by Activity, 2002



¹ Nominal dollars.

Source: Table 3.9.

Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12. • Because vertical scales differ, graphs should not be compared.

Table 3.9 Major U.S. Energy Companies' Net Income, 1974-2002
(Billion Dollars¹)

Year	U.S. Petroleum and Natural Gas				Foreign Petroleum and Natural Gas				Type of Business				
	Production	Refining and Marketing	Rate Regulated Pipelines	Total ²	Production	Refining and Marketing	International Marine	Total ²	Petroleum and Natural Gas	Coal	Nuclear and Other Energy	Non-energy	Total ²
1974	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.6
1975	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.3
1976	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.0
1977	6.4	1.5	0.8	8.6	3.6	0.7	0.1	4.4	13.0	0.2	(s)	1.7	12.7
1978	6.7	1.6	1.2	9.5	3.5	1.8	-0.1	5.2	14.7	0.1	-0.1	1.8	13.9
1979	9.4	2.3	1.7	13.4	5.2	4.3	0.1	9.7	23.0	0.3	-0.1	2.8	23.5
1980	13.8	2.5	1.7	17.9	6.9	4.3	0.1	11.2	29.1	0.3	(s)	2.3	31.0
1981	16.8	1.3	1.8	19.9	8.0	1.6	-0.1	9.6	29.5	0.4	-0.3	1.6	30.0
1982	14.1	1.9	2.3	18.3	6.1	0.8	-0.3	6.7	25.0	0.4	-0.3	0.4	21.8
1983	12.2	1.6	2.0	15.9	7.2	1.3	-0.5	8.2	24.0	0.5	(s)	1.8	21.9
1984	13.3	0.1	2.5	15.8	7.5	0.7	-0.4	7.8	23.6	0.6	-0.1	2.9	21.3
1985	12.1	2.3	2.3	16.7	8.0	0.5	-0.4	8.1	24.8	0.4	-0.3	2.5	17.4
1986	0.9	1.6	2.6	5.2	4.7	2.9	0.1	7.7	12.9	0.2	(s)	2.8	9.2
1987	4.7	1.1	2.6	8.4	5.4	1.0	-0.1	6.4	14.8	0.4	(s)	7.1	11.3
1988	3.2	5.4	2.0	10.6	4.3	2.4	0.1	6.9	17.5	0.6	-0.1	10.8	22.3
1989	3.1	4.5	1.9	9.5	4.7	1.8	0.2	6.7	16.2	0.4	-0.1	8.7	19.8
1990	8.7	2.2	2.1	12.9	7.4	2.8	0.2	10.5	23.4	0.3	0.1	4.3	21.6
1991	5.1	0.9	2.0	7.9	5.4	4.1	0.3	9.8	17.7	0.6	0.1	1.6	14.7
1992	5.6	-0.2	2.1	7.5	4.7	2.2	(s)	6.9	14.4	-0.5	0.1	1.2	1.8
1993	4.8	1.7	1.6	8.1	5.2	3.2	(s)	8.4	16.5	0.4	0.1	2.7	15.5
1994	4.8	1.8	1.8	8.5	4.0	2.0	(s)	5.9	14.4	0.2	0.2	6.2	16.5
1995	3.7	0.5	2.2	6.4	5.9	2.4	(s)	8.3	14.7	0.3	0.2	12.6	21.1
1996	11.8	2.3	1.6	15.7	9.2	2.0	(s)	11.2	26.9	0.5	0.2	8.0	32.0
1997	11.6	3.1	1.3	16.0	9.6	3.6	0.1	13.3	29.3	0.3	0.3	6.3	32.1
1998	0.5	5.9	1.4	7.8	2.0	2.9	0.1	5.1	12.8	0.5	0.9	1.8	12.5
1999	7.4	4.9	2.4	14.8	8.2	1.9	(s)	10.1	24.8	0.2	0.7	2.8	22.9
2000	21.9	7.7	2.3	31.8	18.5	2.9	(s)	21.4	53.3	(s)	2.7	3.6	53.2
2001	17.6	12.0	3.3	32.9	14.6	3.1	0.2	17.8	50.8	0.1	2.0	-2.7	37.7
2002	15.0	-2.2	1.7	14.6	12.9	0.5	(s)	13.3	27.9	(s)	-1.5	1.8	20.6

¹ Nominal dollars.

² Total is sum of components shown, plus eliminations and nontraceables (see Notes).

NA=Not available. (s)=Less than 0.05 billion and greater than -0.05 billion.

Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System. See Table 3.12. • "Net income" is operating income plus other income and extraordinary income less operating expenses, taxes, interest charges, other deductions, and extraordinary deductions. • "Eliminations" are revenues and expenses resulting from transactions between segments of the energy industry. Consolidated company

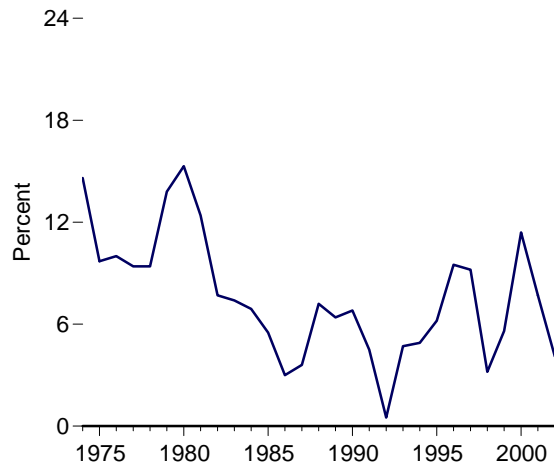
accounts do not include intersegment revenues and expenses. Therefore, such intersegment transactions must be eliminated. • "Nontraceables" are energy companies' revenues, costs, assays, and liabilities that cannot be directly attributed to a type of business by use of a reasonable allocation method developed on the basis of operating-level utilities.

Web Page: For related information, see <http://www.eia.doe.gov/emeu/finance>.

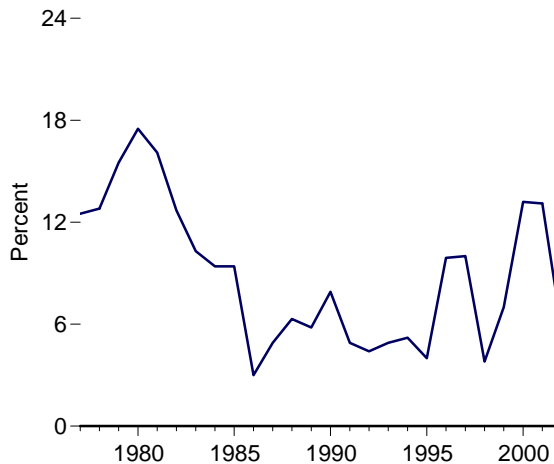
Sources: • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1997. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

Figure 3.10 Major U.S. Energy Companies' Profitability

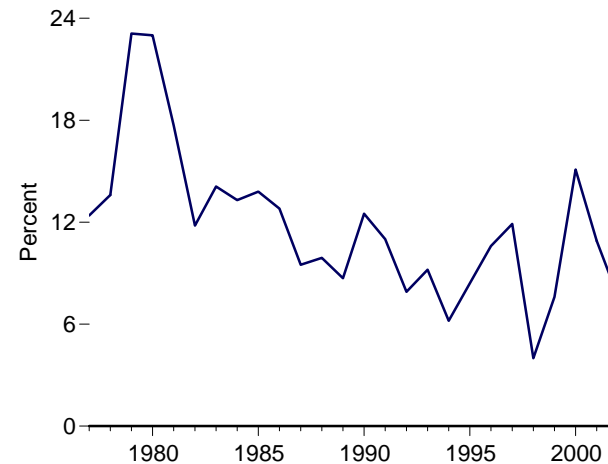
Total, 1974-2002



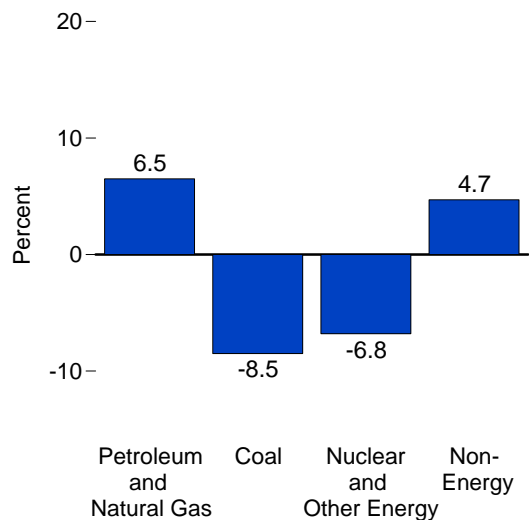
U.S. Petroleum and Natural Gas, 1977-2002



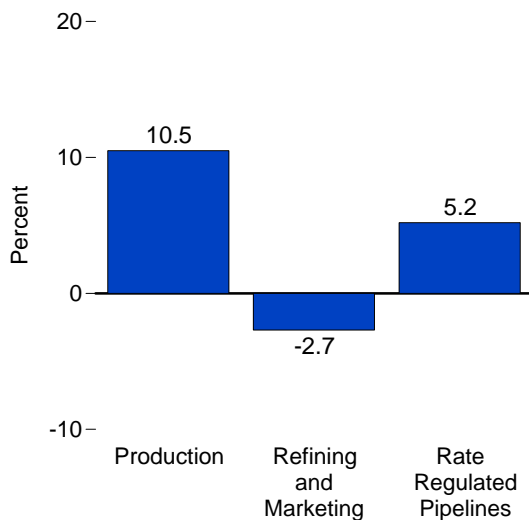
Foreign Petroleum and Natural Gas, 1977-2002



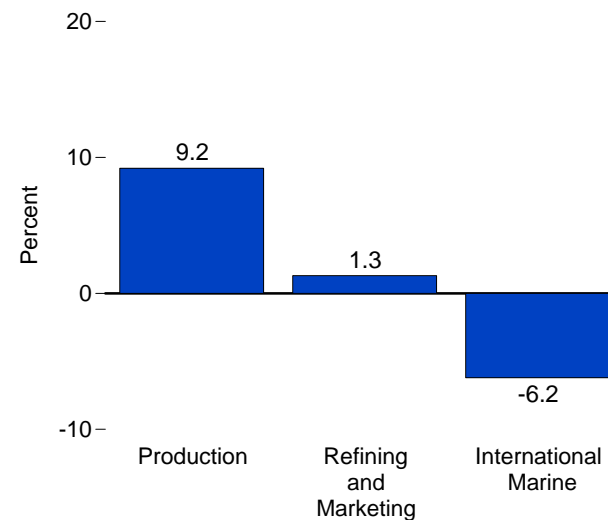
Total by Type of Activity, 2002



U.S. Petroleum and Natural Gas by Activity, 2002



Foreign Petroleum and Natural Gas by Activity, 2002



Notes: • "Major U.S. Energy Companies" are the top publicly-owned crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System (FRS). See Table 3.12. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.10.

Table 3.10 Major U.S. Energy Companies' Profitability, 1974-2002
(Percent)

Year	U.S. Petroleum and Natural Gas				Foreign Petroleum and Natural Gas				Type of Business				
	Production	Refining and Marketing	Rate Regulated Pipelines	Total	Production	Refining and Marketing	International Marine	Total	Petroleum and Natural Gas	Coal	Nuclear and Other Energy	Non-energy	Total
1974	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.6
1975	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.7
1976	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.0
1977	17.5	7.2	7.3	12.5	21.8	5.1	2.6	12.4	12.5	8.8	-2.6	7.1	9.4
1978	16.4	7.5	10.9	12.8	18.2	12.7	-1.0	13.6	13.1	4.1	-4.2	6.5	9.4
1979	18.2	9.8	15.1	15.5	23.8	29.1	2.6	23.1	18.0	6.3	-3.7	8.8	13.8
1980	20.9	9.8	15.1	17.5	25.1	26.4	2.4	23.0	19.2	5.6	-0.7	5.9	15.3
1981	20.2	4.4	15.6	16.1	25.5	9.0	-1.1	17.7	16.6	6.1	-6.8	3.5	12.4
1982	14.0	6.0	20.8	12.7	17.4	4.7	-6.3	11.8	12.5	4.4	-5.2	0.6	7.7
1983	11.3	4.8	16.6	10.3	19.6	7.7	-13.2	14.1	11.3	5.0	0.5	2.9	7.4
1984	10.8	0.3	20.8	9.4	18.8	4.5	-14.0	13.3	10.4	6.2	-1.8	4.8	6.9
1985	9.5	6.5	15.0	9.4	20.0	3.3	-19.0	13.8	10.5	4.6	-8.4	4.2	5.5
1986	0.8	4.5	13.2	3.0	11.6	16.3	5.3	12.8	5.5	2.7	-0.8	5.1	3.0
1987	4.1	2.9	12.8	4.9	12.4	4.7	-3.6	9.5	6.2	5.1	0.5	12.2	3.6
1988	2.8	14.7	9.6	6.3	9.2	11.6	6.8	9.9	7.3	6.7	-2.5	20.3	7.2
1989	2.9	11.5	10.2	5.8	8.9	8.0	12.4	8.7	6.7	5.0	-2.3	17.3	6.4
1990	8.5	5.1	11.2	7.9	13.1	11.2	11.7	12.5	9.5	3.3	2.6	7.8	6.8
1991	5.1	2.0	10.7	4.9	9.1	14.6	15.6	11.0	7.0	8.7	2.8	2.9	4.5
1992	5.9	-0.4	8.4	4.4	8.2	7.8	-1.2	7.9	5.6	-9.3	1.8	2.1	0.5
1993	5.3	3.4	6.4	4.9	8.6	10.6	1.2	9.2	6.4	7.6	4.1	4.7	4.7
1994	5.5	3.6	7.6	5.2	6.5	6.1	-2.0	6.2	5.6	4.0	4.8	10.5	4.9
1995	4.4	1.0	9.1	4.0	9.3	7.2	-2.5	8.4	5.7	6.9	6.1	19.4	6.2
1996	14.1	4.4	6.9	9.9	12.8	6.0	2.2	10.6	10.1	9.9	7.9	15.0	9.5
1997	12.5	6.6	6.7	10.0	12.5	10.5	11.8	11.9	10.8	7.2	7.0	10.9	9.2
1998	0.5	7.9	4.4	3.8	2.2	8.2	8.9	4.0	3.9	26.4	13.2	4.5	3.2
1999	7.6	6.5	6.4	7.0	8.5	5.1	0.8	7.6	7.2	9.5	7.6	5.8	5.6
2000	17.7	9.6	6.0	13.2	17.1	8.7	6.4	15.1	13.9	1.7	11.0	7.3	11.4
2001	13.1	14.5	9.7	13.1	11.2	9.5	25.9	10.9	12.2	9.0	9.0	-6.6	7.7
2002	10.5	-2.7	5.2	5.7	9.2	1.3	-6.2	7.6	6.5	-8.5	-6.8	4.7	4.1

NA=Not available.

Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System. See Table 3.12.

• Data are for return on investment, measured as net income divided by net investment in place. "Net income" is operating income plus other income and extraordinary income less operating expenses, taxes, interest charges, other deductions, and extraordinary deductions. "Net investment in place" is net property,

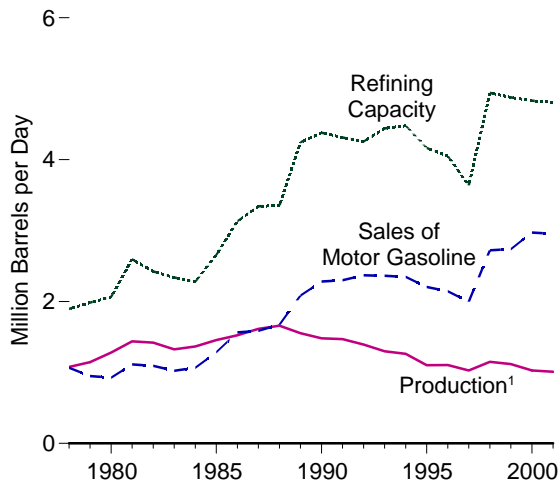
plant, and equipment plus investments and advances to unconsolidated affiliates.

Web Page: For related information, see <http://www.eia.doe.gov/emeu/finance>.

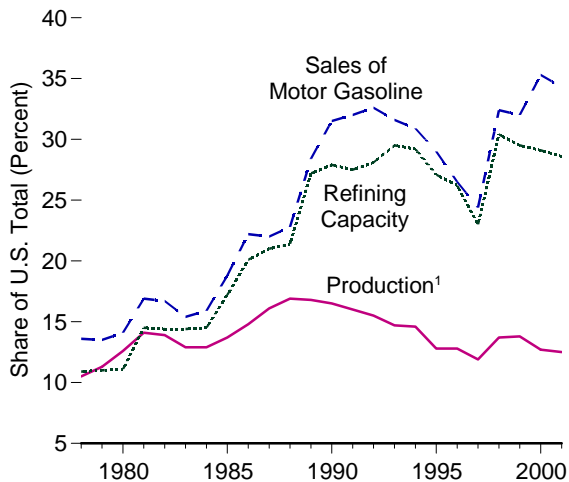
Sources: • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, October 1996. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

Figure 3.11 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2001

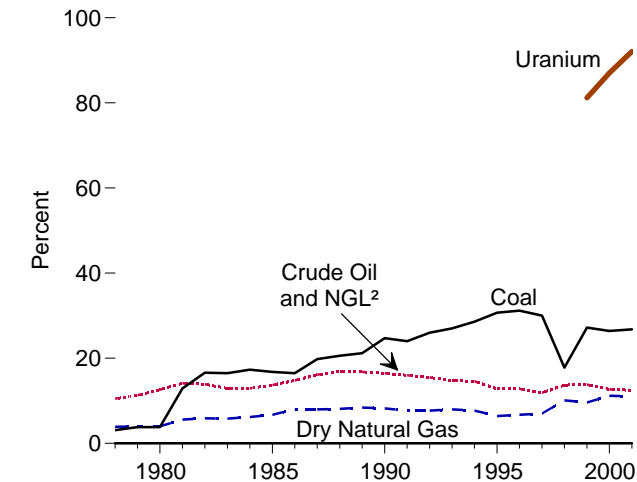
Petroleum Activities



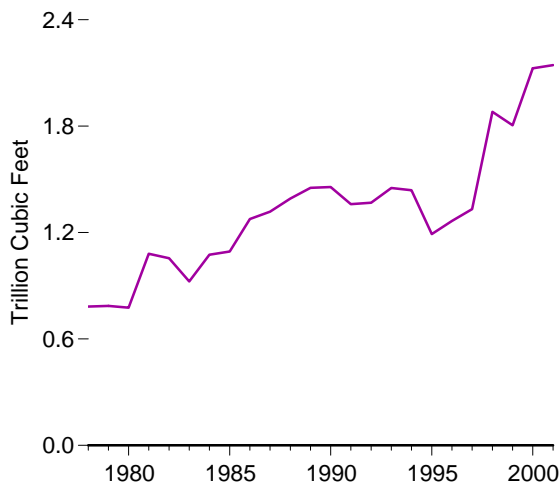
Petroleum Activities



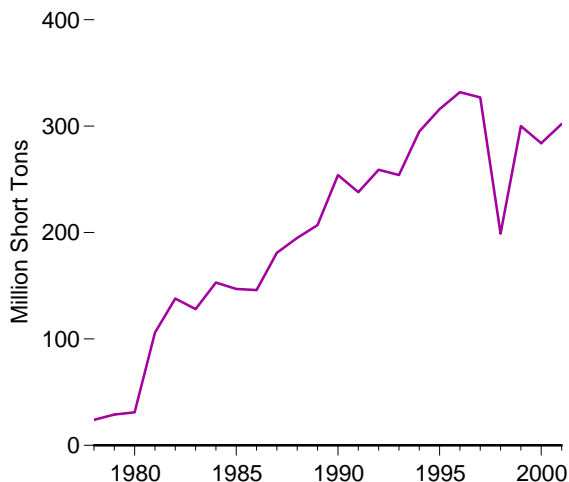
Share of U.S. Total Production by Fuel Type



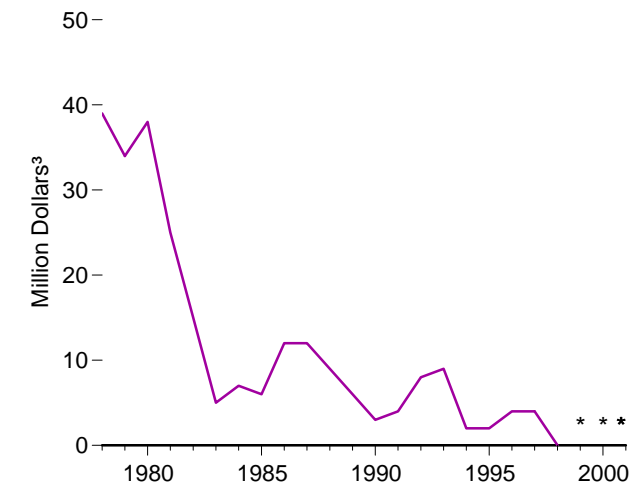
Dry Natural Gas Production



Coal Production



Expenditures for Exploration and Development of Uranium



¹ Crude oil and natural gas liquids.

² Natural gas liquids.

³ Nominal dollars.

* 1999, 2000, and 2001 uranium values are withheld to avoid disclosure of individual company data.

Note: Because vertical scales differ, graphs should not be compared.

Source: Table 3.11.

Table 3.11 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2001

Year	Production								Refining Capacity		Sales of Motor Gasoline		Expenditures for Exploration and Development of Uranium	
	Crude Oil and Natural Gas Liquids		Dry Natural Gas		Coal		Uranium							
	Thousand Barrels per Day	Percent of U.S. Total	Billion Cubic Feet	Percent of U.S. Total	Million Short Tons	Percent of U.S. Total	Thousand Pounds ¹	Percent of U.S. Total ²	Thousand Barrels per Day	Percent of U.S. Total	Thousand Barrels per Day	Percent of U.S. Total	Million Dollars ³	Percent of U.S. Total
1978	1,076	10.5	783	3.9	24	3.1	NA	NA	1,895	10.9	1,066	13.6	39	12.5
1979	1,145	11.3	786	4.0	29	3.8	NA	NA	1,984	11.0	948	13.5	34	10.8
1980	1,280	12.6	776	4.0	31	3.8	NA	NA	2,066	11.1	926	14.1	38	14.1
1981	1,438	14.1	1,080	5.6	106	12.9	NA	NA	2,595	14.5	1,114	16.9	25	17.0
1982	1,421	13.9	1,055	5.9	138	16.6	NA	NA	2,423	14.4	1,092	16.7	15	19.8
1983	1,325	12.9	924	5.8	128	16.5	NA	NA	2,337	14.4	1,022	15.4	5	13.0
1984	1,365	12.9	1,075	6.2	153	17.3	NA	NA	2,276	14.5	1,066	15.9	7	24.9
1985	1,455	13.7	1,093	6.7	147	16.8	NA	NA	2,656	17.2	1,285	18.8	6	27.9
1986	1,523	14.8	1,276	8.0	146	16.5	NA	NA	3,133	20.1	1,565	22.2	12	54.3
1987	1,614	16.1	1,318	8.0	181	19.8	NA	NA	3,342	21.0	1,586	22.0	12	60.4
1988	1,659	16.9	1,392	8.1	195	20.6	NA	NA	3,356	21.4	1,673	22.8	9	44.2
1989	1,553	16.8	1,452	8.4	207	21.2	NA	NA	4,243	27.2	2,084	28.4	6	41.2
1990	1,481	16.5	1,457	8.2	254	24.7	NA	NA	4,379	27.9	2,282	31.5	3	14.6
1991	1,469	16.0	1,360	7.7	238	24.0	NA	NA	4,312	27.5	2,299	32.0	4	19.7
1992	1,392	15.5	1,368	7.7	259	26.0	NA	NA	4,256	28.1	2,369	32.6	8	55.2
1993	1,299	14.7	1,451	8.0	254	27.0	NA	NA	4,440	29.5	2,362	31.6	9	76.0
1994	1,261	14.6	1,439	7.7	295	28.6	NA	NA	4,479	29.2	2,346	30.9	2	51.0
1995	1,103	12.8	1,191	6.4	316	30.7	NA	NA	4,164	27.1	2,204	29.0	2	35.0
1996	1,105	12.8	1,265	6.7	332	31.2	NA	NA	4,050	26.2	2,145	26.5	4	44.0
1997	1,028	11.9	1,332	7.0	327	30.0	NA	NA	3,637	23.0	1,998	24.4	4	14.0
1998	1,149	13.7	1,881	10.1	199	17.8	NA	NA	4,940	30.4	2,721	32.4	(s)	1.0
1999	1,118	13.8	1,805	9.6	300	27.2	⁴ 3,745	⁴ 81.2	4,877	29.5	2,737	32.0	W	W
2000	1,027	12.7	2,126	11.2	284	26.4	3,443	87.0	4,831	29.1	2,971	35.3	W	W
2001	1,010	12.5	2,144	11.0	302	26.8	2,430	92.1	4,806	28.6	2,954	34.3	W	W

¹ Production of uranium oxide (U₃O₈). See "Uranium Oxide" in Glossary.

² Percent of U.S. total uranium concentrate production. See "Uranium Concentrate" in Glossary.

³ Nominal dollars.

⁴ Includes a small amount produced by a U.S. company, which left the industry by the close of 1999.

NA=Not available. (s)=Less than 0.5 million dollars. W=Value withheld to avoid disclosure of individual company data.

Web Page: For related information, see <http://www.eia.doe.gov/emeu/finance>.

Sources: **Uranium Production:** Energy Information Administration (EIA), *Uranium Industry Annual 2002* (May 2003), Table 5, and analysis by the Office of Energy Markets and End Use, Financial Analysis Team. **All Other Data:** • 1978-1992—EIA, *Profiles of Foreign Direct Investment in U.S. Energy*, annual reports. • 1993—EIA, *Profiles of Foreign Direct Investment in U.S. Energy 1993* (May 1995), Tables 7, 9, 10, 11, and 12. • 1994-1997—EIA, *Performance Profiles of Major Energy Producers*, annual reports. • 1998 forward—EIA, *Profiles of Foreign Direct Investment in U.S. Energy* (annual reports).

Table 3.12 Companies Reporting to the Financial Reporting System, 1974-2002

Company	1974-1981	1982	1983-84	1985-86	1987	1988	1989-90	1991	1992-93	1994-96	1997	1998	1999	2000	2001	2002
Amerada Hess Corporation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
American Petrofina Holding Company ^{1,2,3}								X	X	X	X	X	X	X	X	X
American Petrofina, Inc. ¹	X	X	X	X	X	X	X									
Anadarko Petroleum Corporation								X	X	X	X	X	X	X	X	X
Apache Corporation														X	X	X
Ashland Inc. ⁴	X	X	X	X	X	X	X	X	X	X	X					
Atlantic Richfield Co. (ARCO) ⁵	X	X	X	X	X	X	X	X	X	X	X	X	X			
BP America, Inc. ^{6,7}					X	X	X	X	X	X	X	X	X			
BP Amoco Corporation ^{5,6,8}	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Burlington Northern Inc. ⁹	X	X	X	X	X											
Burlington Resources Inc. ⁹						X	X	X	X	X	X	X	X	X	X	X
Chevron Texaco Corporation ^{10,11,12}	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Citgo Petroleum Corporation												X	X	X	X	X
Cities Service ¹³	X	X														
Conoco ^{14,15,16}	X											X	X	X	X	X
ConocoPhillips Company ^{16,17}	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Devon Energy Corporaton																
Dominion Resources														X	X	X
E.I. du Pont de Nemours and Co. ^{14,15}		X	X	X	X	X	X	X	X	X	X			X	X	X
El Paso Energy Corporation ¹⁸																
Enron Corporation									X	X	X	X	X	X		
EOG Resources														X	X	X
Equilon Enterprises, LLC ¹⁹												X	X	X	X	X
Exxon Mobil Corporation ²⁰	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Getty Oil ²¹	X	X	X													
Gulf Oil ¹¹	X	X	X													
Kerr-McGee Corporation ²²	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LYONDELL-CITGO Refining, LP ²³												X	X	X	X	X
Marathon ²⁴	X														X	X
Mobil Corporation ^{20,25}	X	X	X	X	X	X	X	X	X	X	X	X				
Motiva Enterprises, LLC ²⁶												X	X	X	X	X
Nerco, Inc. ²⁷									X							
Occidental Petroleum Corporation ¹³	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Oryx Energy Company ^{22,28}						X	X	X	X	X	X					
Premcor Refining Group ²⁹												X	X	X	X	X
Shell Oil Company	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sonat Inc.											X	X				
Standard Oil Co. (Ohio) (Sohio) ⁷	X	X	X	X												
Sunoco, Inc. ^{28,30}	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
Superior Oil ²⁵	X	X	X													
Tenneco Inc. ³¹	X	X	X	X	X	X										
Tesoro Petroleum Corporation												X	X	X	X	X
Texaco Inc. ^{12,21}	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
The Coastal Corporation ¹⁸	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
The Williams Companies, Inc.												X	X	X	X	X
Tosco Corporation ¹⁷												X	X	X	X	
Total Petroleum (North America) Ltd. ³²							X	X								
Ultramar Diamond Shamrock Corporation ³³												X	X	X	X	
Union Pacific Resources Group, Inc. ^{34,35}	X	X	X	X	X	X	X	X	X	X	X	X	X			
Unocal Corporation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
USX Corporation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Valero Energy Corporation ³³												X	X	X	X	X
XTO Energy, Inc.																X

Footnotes: See the following page.

Note: "X" indicates that the company was included in the Financial Reporting System for the year indicated.

Web Page: For related information, see <http://www.eia.doe.gov/emeu/finance>.

Source: Energy Information Administration, Form EIA-28, "Financial Reporting System."

Footnotes for Table 3.12

¹American Petrofina, Inc. changed its name to Fina, Inc., effective April 17, 1991.

²Prior submissions were reported at the FINA, Inc. level. FINA, Inc. was the parent of Fina Oil and Chemical Company, which is now ATOFINA Petrochemicals. Due to a series of mergers and acquisitions, beginning in 2000, the submission is reported at the American Petrofina Holding Company level, which is the holding company of ATOFINA.

³In 2002, the name was changed to Total Fina Elf.

⁴Ashland was dropped from the FRS system for 1998 after spinning off downstream and coal operations and disposing of upstream operations.

⁵BP Amoco acquired Atlantic Richfield Company (ARCO) in April of 2000. The reporting was consolidated under BP Amoco for 2000. Data for ARCO is not included in the database for the period from January 1, 2000, to April 14, 2000.

⁶Amoco merged with British Petroleum plc and became BP Amoco plc on December 31, 1998. BP America was renamed BP Amoco, Inc. The companies reported separately for 1998 and 1999.

⁷In 1987, British Petroleum acquired all shares in Standard Oil Company (Ohio) that it did not already control and renamed its U.S. affiliate, BP America, Inc.

⁸Formerly Standard Oil Company (Indiana).

⁹Burlington Resources was added to the FRS system and Burlington Northern was dropped for 1988. Data for Burlington Resources covers the full year 1988 even though that company was not created until May of that year.

¹⁰Formerly Standard Oil Company of California.

¹¹Chevron acquired Gulf Oil in 1984, but separate data for Gulf continued to be available for the full 1984 year.

¹²In October 2000, Chevron and Texaco agreed to merge. Both companies reported separately for 2000.

¹³Occidental acquired Cities Service in 1982. Separate financial reports were available for 1982, so each company continued to be treated separately until 1983.

¹⁴DuPont acquired Conoco in 1981. Separate data for Conoco were available for 1981; DuPont was included in the FRS system in 1982.

¹⁵Dupont was dropped from the FRS system when Conoco was spunoff in 1998. Conoco began reporting separately again in 1998.

¹⁶In November 2001, Phillips and Conoco agreed to merge forming ConocoPhillips in 2002. Both companies reported separately in 2001.

¹⁷In September 2001, Phillips acquired Tosco. Both companies reported separately in 2001.

¹⁸In January 2001, Coastal merged with a wholly owned subsidiary of El Paso Energy Corporation. The name was changed to El Paso CGP Company. Data were reported separately in 2000 under the name The Coastal Company.

¹⁹Equilon is a joint venture combining Shell's and Texaco's western and midwestern U.S. refining and marketing businesses and nationwide trading transportation and

lubricants businesses. Net income is duplicated in the FRS system since Shell and Texaco account for this investment using the equity method.

²⁰In December 1998, Exxon and Mobil agreed to merge. Both companies reported separately for 1998.

²¹Texaco acquired Getty in 1984; however, Getty was treated as a separate FRS company for that year.

²²In 1998, Kerr-McGee and Oryx merged. The financial reporting for both was consolidated under Kerr-McGee for 1998.

²³LYONDELL-CITGO is a limited partnership owned by Lyondell Chemical Company and Citgo. There will be some duplication of net income since Citgo accounts for its investment using the equity method.

²⁴U.S. Steel (now USX) acquired Marathon in 1982.

²⁵Mobil acquired Superior in 1984, but both companies were treated separately for that year.

²⁶Motiva is a joint venture approximately equally owned by Shell, Texaco and Saudi Refining, Inc. The joint venture combines the company's Gulf and east coast refining and marketing businesses. Duplication exists for the net income related to Shell and Texaco's interest, which are accounted for under the equity method.

²⁷RTZ America acquired the common stock of Nerco, Inc., on February 17, 1994. In September 1993, Nerco, Inc. sold Nerco Oil & Gas, Inc., its subsidiary. Nerco's 1993 submission includes operations of Nerco Oil & Gas, Inc., through September 28, 1993.

²⁸Sun Company spun off Sun Exploration and Development Company (later renamed Oryx Energy Company) during 1988. Both companies were included in the FRS system for 1988; therefore, some degree of duplication exists for that year.

²⁹In May 2000, Clark Refining & Marketing changed its name to Premcor Refining Group.

³⁰Sun company withdrew from oil and gas exploration and production in 1996. Sun's 1996 submission includes oil and gas exploration and production activities through September 30, 1996. Refining/marketing activities are included for the entire 1996 calendar year.

³¹Tenneco sold its worldwide oil and gas assets and its refining and marketing assets in 1988. Other FRS companies purchased approximately 70 percent of Tenneco's assets.

³²Effective June 1, 1991, Total's exploration, production, and marketing operations in Canada were spun off to Total Oil & Gas, a new public entity.

³³In December 2001, Valero and Ultramar Diamond Shamrock agreed to merge. Both companies reported separately in 2001.

³⁴Effective October 15, 1996, Union Pacific Corporation distributed its ownership in the Union Pacific Resources Group, Inc. to its shareholders. Prior to 1996, the FRS system included Union Pacific Corporation. The FRS system includes only Union Pacific Resources Group, Inc. for 1996.

³⁵Union Pacific merged with Anadarko on July 14, 2000. Anadarko's 2000

submission includes data for Union Pacific after July 14, 2000. Data for Union Pacific was not submitted for the period from January 1, 2000, to July 14, 2000.