

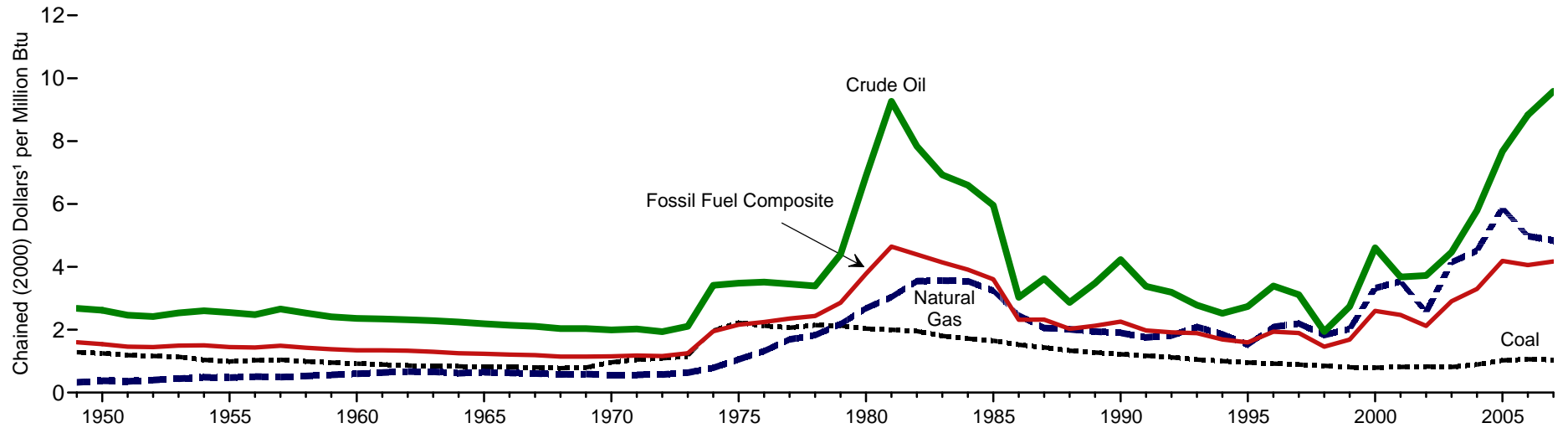
3

# Financial Indicators

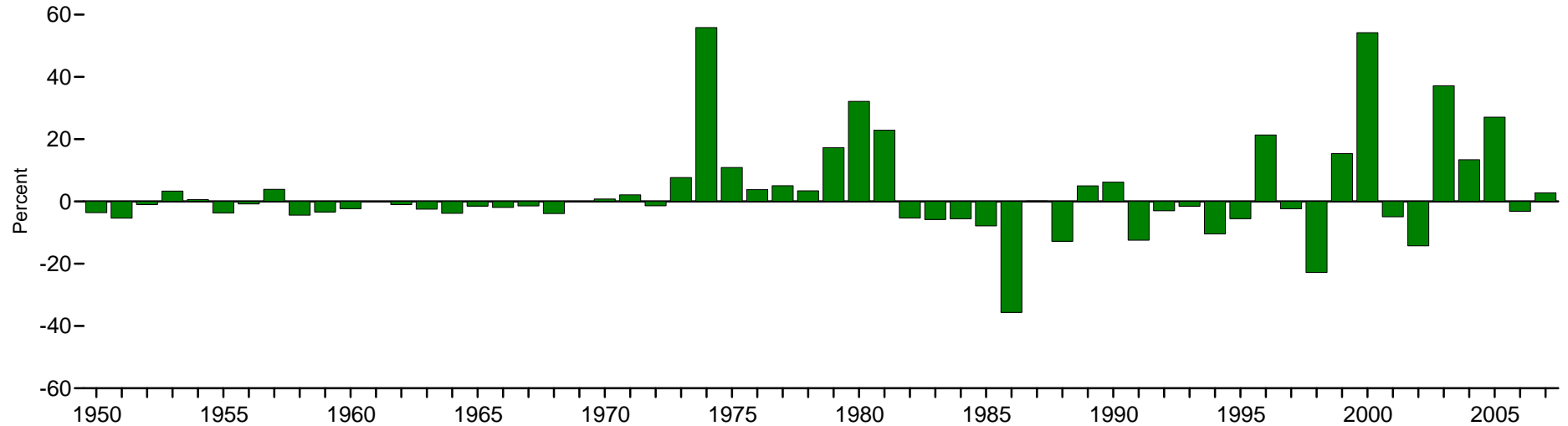


**Figure 3.1 Fossil Fuel Production Prices**

**Prices, 1949-2007**



**Fossil Fuel Composite Price², Change From Previous Year, 1950-2007**



<sup>1</sup> Calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>2</sup> Based on real prices. Source: Table 3.1.

**Table 3.1 Fossil Fuel Production Prices, Selected Years, 1949-2007**

(Dollars per Million Btu)

Year	Coal <sup>1</sup>		Natural Gas <sup>2</sup>		Crude Oil <sup>3</sup>		Fossil Fuel Composite <sup>4</sup>		
	Nominal <sup>5</sup>	Real <sup>6</sup>	Nominal <sup>5</sup>	Real <sup>6</sup>	Nominal <sup>5</sup>	Real <sup>6</sup>	Nominal <sup>5</sup>	Real <sup>6</sup>	Percent Change <sup>7</sup>
1949	0.21	1.29	0.05	0.33	0.44	2.68	0.26	1.60	--
1950	.21	1.25	.06	.38	.43	2.62	.26	1.54	-3.6
1955	.19	.99	.09	.48	.48	2.55	.27	1.45	-3.7
1960	.19	.92	.13	.60	.50	2.36	.28	1.35	-2.3
1965	.18	.82	.15	.65	.49	2.19	.28	1.23	-1.5
1970	.27	.97	.15	.56	.55	1.99	.32	1.15	.8
1971	.30	1.05	.16	.56	.58	2.02	.34	1.18	2.1
1972	.33	1.09	.17	.57	.58	1.94	.35	1.16	-1.4
1973	.37	1.15	.20	.63	.67	2.11	.40	1.25	7.7
1974	.69	1.98	.27	.79	1.18	3.41	.68	1.95	55.8
1975	.85	2.22	.40	1.06	1.32	3.48	.82	2.16	10.9
1976	.86	2.13	.53	1.32	1.41	3.51	.90	2.24	3.8
1977	.88	2.07	.72	1.69	1.48	3.46	1.01	2.36	5.1
1978	.98	2.15	.84	1.83	1.55	3.39	1.12	2.44	3.4
1979	1.06	2.14	1.08	2.18	2.18	4.40	1.42	2.86	17.3
1980	1.10	2.04	1.45	2.68	3.72	6.89	2.04	3.78	32.1
1981	1.18	2.00	1.80	3.04	5.48	9.27	2.75	4.64	22.9
1982	1.23	1.95	2.22	3.54	4.92	7.84	2.76	4.40	-5.3
1983	1.18	1.81	2.32	3.56	4.52	6.93	2.70	4.14	-5.8
1984	1.16	1.72	2.40	3.55	4.46	6.60	2.65	3.91	-5.6
1985	1.15	1.65	2.26	3.24	4.15	5.96	2.51	3.60	-7.8
1986	1.09	1.52	1.75	2.45	2.16	3.03	1.65	2.32	-35.6
1987	1.05	1.44	1.50	2.05	2.66	3.63	1.70	2.32	.1
1988	1.01	1.34	1.52	2.01	2.17	2.87	1.53	2.03	-12.8
1989	1.00	1.28	1.53	1.94	2.73	3.48	1.67	2.13	5.0
1990	1.00	1.22	1.55	1.90	3.45	4.23	1.84	2.26	6.2
1991	.99	1.17	1.48	1.75	2.85	3.38	1.67	1.98	-12.5
1992	.97	1.12	1.57	1.82	2.76	3.19	1.66	1.92	-3.0
1993	.93	1.05	1.84	2.09	2.46	2.78	1.67	1.89	-1.5
1994	.91	1.01	1.67	1.86	2.27	2.52	1.53	1.69	-10.4
1995	.88	.96	1.40	1.52	2.52	2.74	1.47	1.60	-5.5
1996	.87	.92	1.96	2.09	3.18	3.39	1.82	1.94	21.3
1997	.85	.89	2.10	2.20	2.97	3.11	1.81	1.89	-2.4
1998	.83	.86	1.77	1.83	1.87	1.94	1.41	1.46	-22.8
1999	.79	.81	1.98	2.02	2.68	2.74	1.65	1.69	15.4
2000	.80	.80	3.32	3.32	4.61	4.61	2.60	2.60	54.2
2001	.84	.82	3.62	3.54	3.77	3.68	2.53	2.47	-4.9
2002	.87	.84	2.67	2.56	3.88	3.73	2.21	2.12	-14.2
2003	.87	.82	4.41	4.15	4.75	4.47	3.09	2.91	37.1
2004	.98	.89	4.94	R4.51	6.34	5.79	3.61	3.30	13.4
2005	1.16	1.03	R6.63	R5.87	8.67	R7.67	R4.73	R4.19	R27.1
2006	R1.24	R1.06	R5.80	R4.98	10.29	R8.83	R4.73	4.06	R-3.2
2007 <sup>P</sup>	1.25	1.04	5.79	4.84	11.47	9.58	4.99	4.17	2.8

<sup>1</sup> 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.

<sup>2</sup> Wellhead prices (converted to dollars per million Btu using marketed production heat contents). See "Natural Gas Wellhead Price" in Glossary.

<sup>3</sup> Domestic first purchase prices. See "Crude Oil Domestic First Purchase Price" in Glossary.

<sup>4</sup> 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.

<sup>5</sup> See "Nominal Dollars" in Glossary.

<sup>6</sup> In chained (2000) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>7</sup> Based on real values.

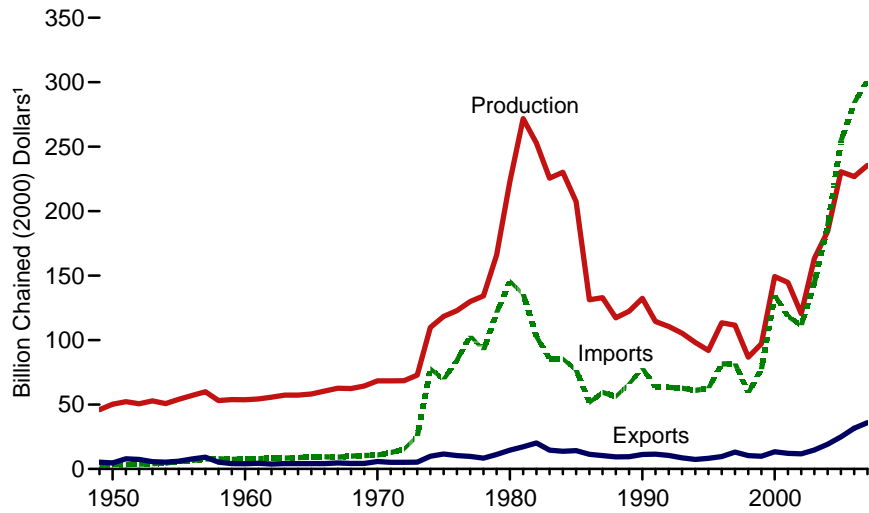
R=Revised. P=Preliminary. --- = Not applicable.

Web Page: For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

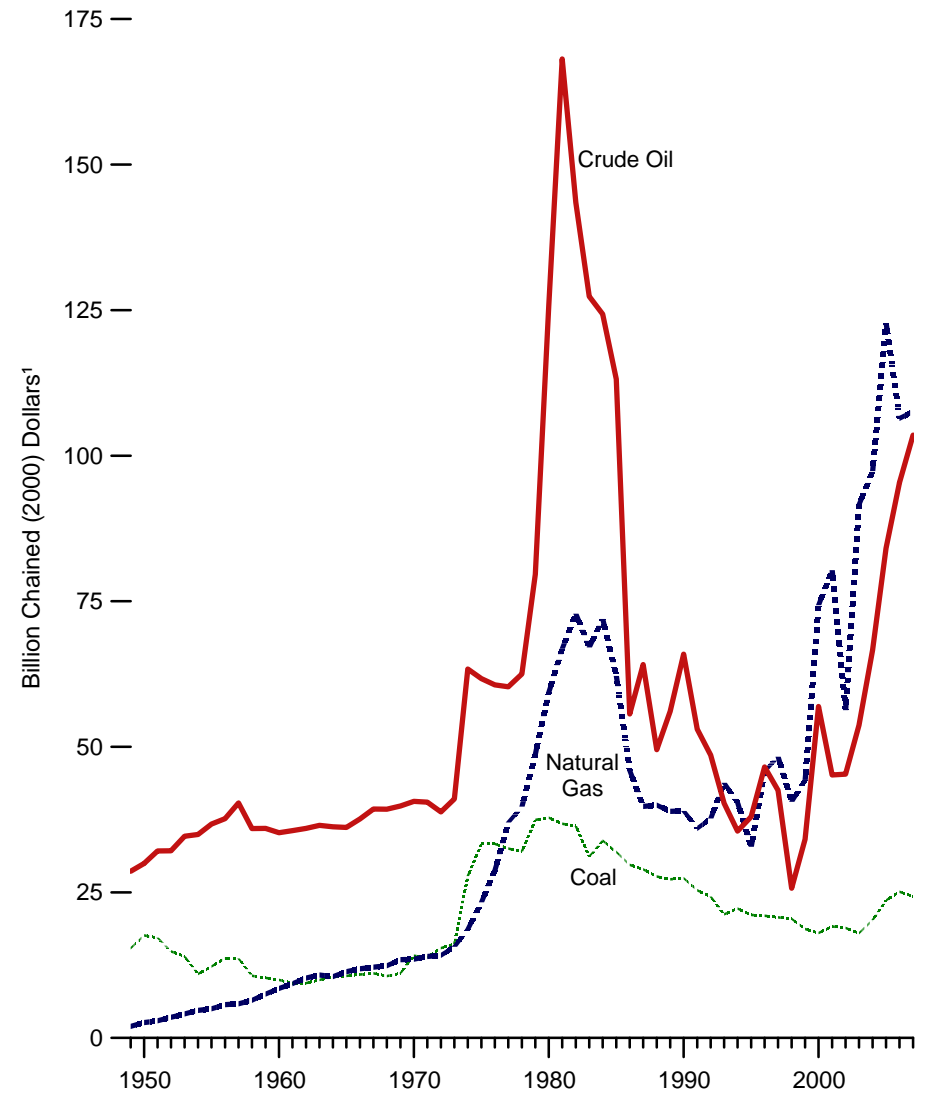
Sources: Tables 5.18, 6.7, 7.8, A2, A4, and A5.

**Figure 3.2 Value of Fossil Fuel Production**

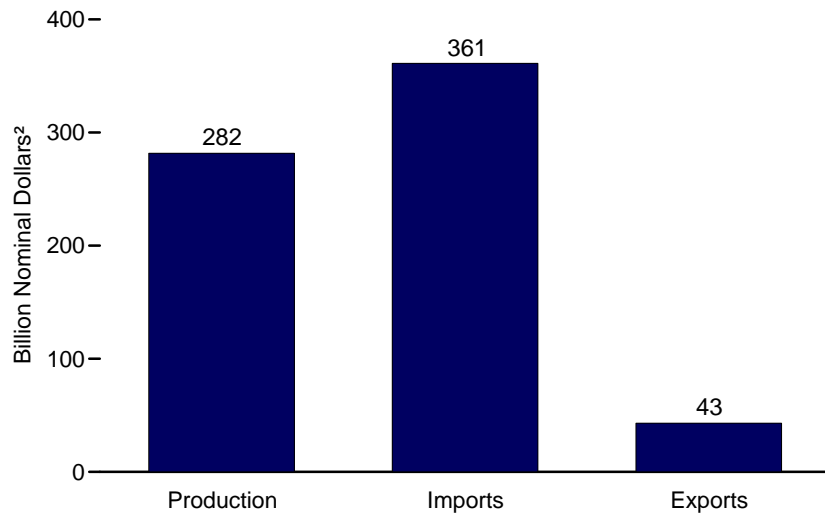
**Overview, 1949-2007**



**By Fuel, 1949-2007**



**Overview, 2007**



<sup>1</sup> In chained (2000) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>2</sup> See "Nominal Dollars" in Glossary.

Note: Because vertical scales differ, graphs should not be compared.  
Sources: Tables 3.2, 3.7, and 3.8.

**Table 3.2 Value of Fossil Fuel Production, Selected Years, 1949-2007**

(Billion Dollars)

Year	Coal <sup>1</sup>		Natural Gas <sup>2</sup>		Crude Oil <sup>3,4</sup>		Total	
	Nominal <sup>5</sup>	Real <sup>6</sup>	Nominal <sup>5</sup>	Real <sup>6</sup>	Nominal <sup>5</sup>	Real <sup>6</sup>	Nominal <sup>5</sup>	Real <sup>6</sup>
1949	2.52	15.40	0.33	1.99	4.68	28.61	7.52	46.00
1950	2.91	17.59	.44	2.66	4.95	29.97	8.30	50.22
1955	2.30	12.28	.94	5.02	6.88	36.72	10.12	54.02
1960	2.10	9.97	1.79	8.50	7.42	35.24	11.30	53.71
1965	2.40	10.64	2.57	11.39	8.15	36.15	13.11	58.18
1970	3.88	14.11	3.73	13.53	11.19	40.62	18.80	68.27
1971	4.01	13.87	4.05	14.00	11.71	40.50	19.77	68.38
1972	4.65	15.42	4.28	14.19	11.71	38.83	20.65	68.44
1973	5.14	16.14	4.98	15.64	13.07	41.05	23.20	72.84
1974	9.65	27.79	6.48	18.66	22.00	63.36	38.13	109.81
1975	12.67	33.33	8.85	23.28	23.45	61.70	44.96	118.31
1976	13.40	33.33	11.57	28.79	24.37	60.64	49.34	122.76
1977	13.91	32.53	15.82	37.00	25.79	60.32	55.52	129.86
1978	14.65	32.02	18.18	39.72	28.60	62.51	61.43	134.25
1979	18.55	37.44	24.16	48.75	39.45	79.63	82.16	165.82
1980	20.45	37.84	32.09	59.37	67.93	125.70	120.47	222.91
1981	21.75	36.79	39.51	66.84	99.40	168.13	160.66	271.75
1982	22.84	36.41	45.71	72.88	90.03	143.53	158.58	252.81
1983	20.32	31.16	43.73	67.06	83.05	127.36	147.10	225.58
1984	22.94	33.91	48.69	71.97	84.10	124.31	155.74	230.19
1985	22.27	31.94	43.35	62.18	78.88	113.16	144.50	207.28
1986	21.18	29.73	32.71	45.90	39.63	55.63	93.52	131.26
1987	21.20	28.96	29.11	39.77	46.93	64.12	97.24	132.85
1988	20.97	27.71	30.28	40.01	37.48	49.51	88.73	117.22
1989	21.40	27.24	30.58	38.93	44.07	56.10	96.05	122.27
1990	22.39	27.45	31.80	38.97	53.77	65.91	107.96	132.32
1991	21.40	25.35	30.39	35.99	44.77	53.02	96.57	114.36
1992	20.98	24.28	32.56	37.69	41.97	48.58	95.50	110.56
1993	18.77	21.23	38.72	43.81	35.61	40.29	93.10	105.34
1994	20.06	22.23	36.46	40.40	32.07	35.53	88.59	98.16
1995	19.45	21.12	30.24	32.83	35.00	38.00	84.69	91.95
1996	19.68	20.97	42.99	45.81	43.68	46.54	106.35	113.32
1997	19.77	20.72	46.09	48.30	40.57	42.52	106.43	111.55
1998	19.75	20.47	39.12	40.56	24.80	25.71	83.68	86.74
1999	18.30	18.70	43.37	44.32	33.40	34.13	95.08	97.15
2000	18.02	18.02	74.33	74.33	56.93	56.93	149.27	149.27
2001	19.60	19.14	82.28	80.35	46.25	45.16	148.13	144.66
2002	19.68	18.88	58.66	56.30	47.21	45.31	125.54	120.50
2003	19.13	17.98	97.47	91.61	57.14	53.71	173.75	163.29
2004	22.16	20.25	106.57	<sup>R</sup> 97.35	72.93	<sup>R</sup> 66.62	201.66	<sup>R</sup> 184.22
2005	26.69	<sup>R</sup> 23.62	<sup>R</sup> 138.74	<sup>R</sup> 122.77	95.03	<sup>R</sup> 84.10	<sup>R</sup> 260.46	<sup>R</sup> 230.50
2006	<sup>R</sup> 29.25	<sup>R</sup> 25.10	<sup>R</sup> 124.04	<sup>R</sup> 106.41	<sup>R</sup> 111.16	<sup>R</sup> 95.36	<sup>R</sup> 264.46	<sup>R</sup> 226.87
2007 <sup>P</sup>	29.10	24.32	128.77	107.61	123.89	103.53	281.75	235.45

<sup>1</sup> 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.

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

<sup>3</sup> Includes lease condensate.

<sup>4</sup> Crude oil values are based on domestic first purchase prices. See "Crude Oil Domestic First Purchase Price" in Glossary.

<sup>5</sup> See "Nominal Dollars" in Glossary.

<sup>6</sup> In chained (2000) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>R</sup>=Revised. <sup>P</sup>=Preliminary.

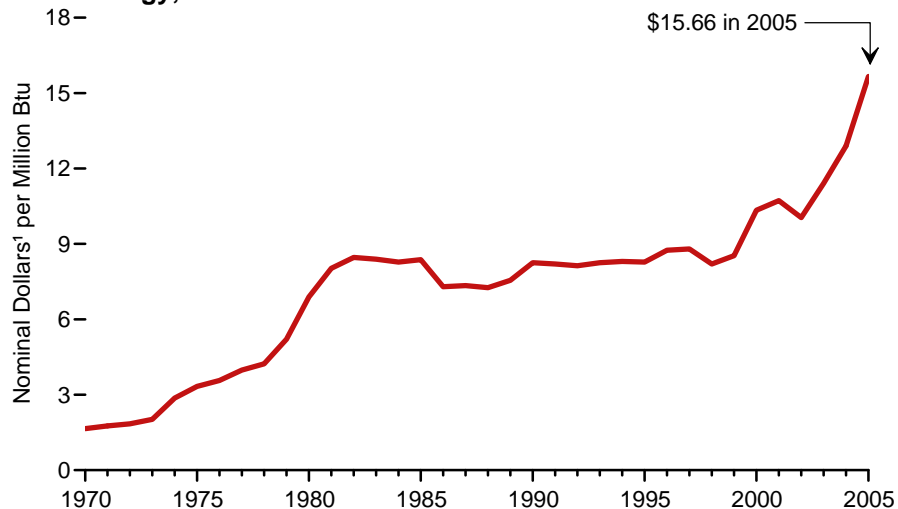
Note: Totals may not equal sum of components due to independent rounding.

Web Page: For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

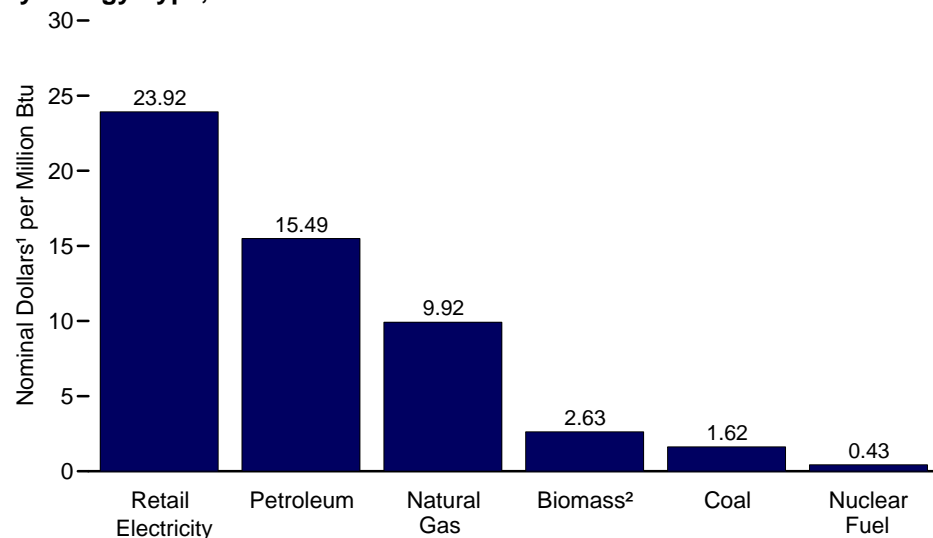
Sources: Tables 5.1, 5.18, 6.2, 6.7, 7.2, and 7.8.

**Figure 3.3 Consumer Price Estimates for Energy by Source**

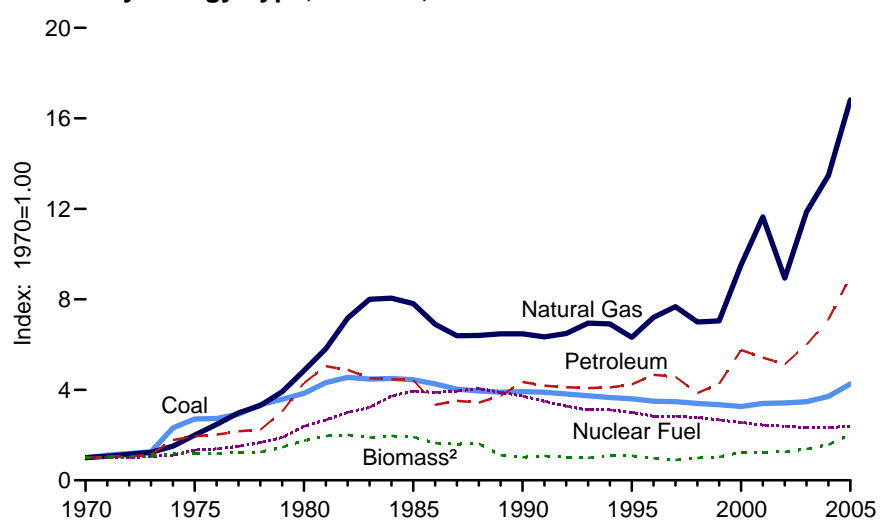
**Total Energy, 1970-2005**



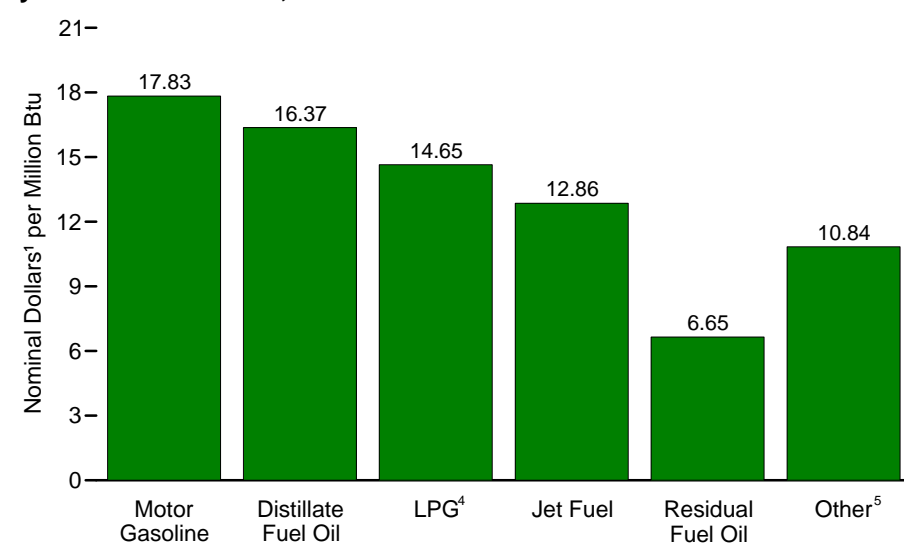
**By Energy Type, 2005**



**Prices³ by Energy Type, Indexed, 1970-2005**



**By Petroleum Product, 2005**



<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Wood and waste; excludes ethanol and biodiesel.

<sup>3</sup> Based on nominal dollars.

<sup>4</sup> Liquefied petroleum gases.

<sup>5</sup> 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 by Source, 1970-2005**  
(Nominal Dollars <sup>1</sup> per Million Btu)

Year	Primary Energy <sup>2</sup>												Electric Power Sector <sup>11,12</sup>	Retail Electricity <sup>13</sup>	Total Energy <sup>9,10,14</sup>
	Coal	Natural Gas <sup>3</sup>	Petroleum							Nuclear Fuel	Biomass <sup>8</sup>	Total <sup>9,10</sup>			
			Distillate Fuel Oil	Jet Fuel <sup>4</sup>	LPG <sup>5</sup>	Motor Gasoline <sup>6</sup>	Residual Fuel Oil	Other <sup>7</sup>	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	.42	.63	1.22	.77	1.49	2.90	.58	1.45	1.79	.18	1.31	1.15	.38	5.30	1.76
1972	.45	.68	1.22	.79	1.52	2.88	.62	1.49	1.78	.18	1.33	1.18	.42	5.54	1.84
1973	.48	.73	1.46	.92	2.02	3.10	.75	1.58	1.97	.19	1.39	1.29	.47	5.86	2.02
1974	.88	.89	2.44	1.58	2.81	4.32	1.82	2.60	3.06	.20	1.50	1.94	.87	7.42	2.87
1975	1.03	1.18	2.60	2.05	2.97	4.65	1.93	2.94	3.35	.24	1.50	2.19	R.97	8.61	3.33
1976	1.04	1.46	2.77	2.25	3.21	4.84	1.90	3.08	3.47	.25	1.53	2.34	1.03	9.13	3.57
1977	1.11	1.76	3.11	2.59	3.65	5.13	2.14	3.27	3.73	.27	1.58	2.58	1.17	10.11	3.98
1978	1.27	1.95	3.26	2.87	3.60	5.24	2.08	3.45	3.84	.30	1.61	2.71	R1.27	10.92	4.23
1979	1.36	2.31	4.69	3.90	4.50	7.11	2.83	4.70	5.23	.34	1.88	3.47	R1.50	11.78	5.21
1980	1.46	2.86	6.70	6.36	5.64	9.84	3.88	7.04	7.40	.43	2.26	4.57	1.77	13.95	6.89
1981	1.64	3.43	8.03	7.57	6.18	10.94	4.91	8.67	8.68	.48	2.52	R5.25	R2.04	16.14	8.03
1982	1.73	4.23	7.78	7.23	6.66	10.39	4.65	7.87	8.40	.54	2.60	R5.33	R2.05	18.16	8.46
1983	1.70	4.72	7.32	6.53	7.17	9.12	4.50	7.60	7.77	.58	2.44	R5.12	R2.02	18.62	8.39
1984	1.71	4.75	7.37	6.25	6.93	8.89	4.75	7.67	7.68	.67	2.53	5.03	R2.02	18.50	8.28
1985	1.69	4.61	7.22	5.91	6.55	9.01	4.30	7.55	7.63	.71	2.47	4.92	R1.91	19.05	8.37
1986	1.62	4.07	5.68	3.92	6.44	6.79	2.37	5.80	5.73	.70	2.12	3.97	R1.60	19.05	7.30
1987	1.53	3.77	5.97	4.03	6.07	7.23	2.86	5.63	6.04	.71	2.07	R4.00	R1.57	18.74	7.34
1988	1.50	3.78	5.83	3.80	5.88	7.33	2.35	5.26	5.91	.73	2.09	3.89	R1.49	18.68	7.26
1989	1.48	3.82	6.43	4.39	5.54	8.02	2.72	5.50	6.43	.70	1.42	4.07	1.51	18.98	7.55
1990	1.49	3.82	7.68	5.68	6.77	9.12	3.17	5.82	7.47	.67	1.32	R4.46	1.48	19.32	8.25
1991	1.48	3.74	7.29	4.83	6.81	8.93	2.62	5.74	7.20	.63	1.39	R4.29	R1.40	19.84	8.20
1992	1.45	3.83	7.09	4.52	6.21	8.96	2.28	5.52	7.07	.59	1.32	4.24	R1.38	20.06	8.13
1993	1.42	4.10	7.08	4.29	6.23	8.83	2.26	5.50	7.01	.56	1.28	R4.26	R1.40	20.38	8.25
1994	1.39	4.08	6.99	3.95	6.66	8.96	2.32	5.47	7.06	.56	1.39	4.27	R1.36	20.33	8.30
1995	1.37	3.73	6.98	4.00	6.56	9.22	2.46	5.74	7.29	.54	1.40	4.23	R1.29	20.29	8.28
1996	1.33	4.25	7.87	4.82	8.03	9.85	2.80	6.19	8.02	.51	1.25	4.63	R1.35	20.16	8.75
1997	1.32	4.53	7.66	4.53	7.43	9.81	2.93	5.88	7.86	.51	1.15	R4.66	R1.38	20.13	8.80
1998	1.29	4.13	6.57	3.35	6.01	8.45	2.15	5.04	6.64	.50	1.27	R4.08	R1.32	19.80	8.20
1999	1.27	4.16	7.19	4.01	6.65	9.31	2.51	5.30	7.33	.48	1.34	R4.37	R1.33	19.52	8.53
2000	1.24	5.62	9.86	R6.64	10.20	12.01	4.32	6.97	9.91	.46	1.58	R5.73	R1.71	20.03	R10.34
2001	1.29	6.87	9.17	5.72	9.61	11.35	3.99	R6.36	9.32	.44	1.61	R5.81	R1.84	R21.41	R10.72
2002	R1.30	5.27	8.63	5.33	8.15	10.67	3.91	R6.54	8.82	.43	1.62	5.23	R1.53	R21.15	R10.05
2003	1.32	7.00	10.04	6.46	10.41	12.34	4.75	R7.55	R10.31	.42	1.78	R6.27	R1.83	R21.85	11.41
2004	1.41	7.95	12.22	8.93	R12.33	14.57	4.92	R8.48	R12.23	.42	2.03	R7.36	R1.99	R22.38	R12.90
2005	1.62	9.92	16.37	412.86	14.65	17.83	6.65	10.84	15.49	.43	2.63	9.25	2.60	23.92	15.66

<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Consumption-weighted average prices for all sectors, including the electric power sector.

<sup>3</sup> Natural gas, plus a small amount of supplemental gaseous fuels.

<sup>4</sup> Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only.

<sup>5</sup> Liquefied petroleum gases.

<sup>6</sup> Beginning in 1993, includes ethanol blended into motor gasoline.

<sup>7</sup> Consumption-weighted average price for asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

<sup>8</sup> Wood and waste; excludes ethanol and biodiesel.

<sup>9</sup> Includes coal coke imports and exports, which are not separately displayed. In 2005, coal coke imports averaged 8.92 dollars per million Btu, and coal coke exports averaged 3.39 dollars per million Btu.

<sup>10</sup> Includes electricity imports, which are not separately displayed. Also, in 1981-1992, includes ethanol blended into motor gasoline that is not included in the motor gasoline data for those years.

<sup>11</sup> Electricity-only and combined-heat-and-power (CHP) plants within the NAICS (North American

Industry Classification System) 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

<sup>12</sup> Consumption-weighted average electric power sector price for coal, natural gas, petroleum, nuclear fuel, wood, waste, and electricity imports.

<sup>13</sup> Retail electricity prices paid by ultimate customers, reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>14</sup> Consumption-weighted average price for primary energy and retail electricity in the four end-use sectors (residential, commercial, industrial, and transportation); excludes energy in the electric power sector.

R=Revised.

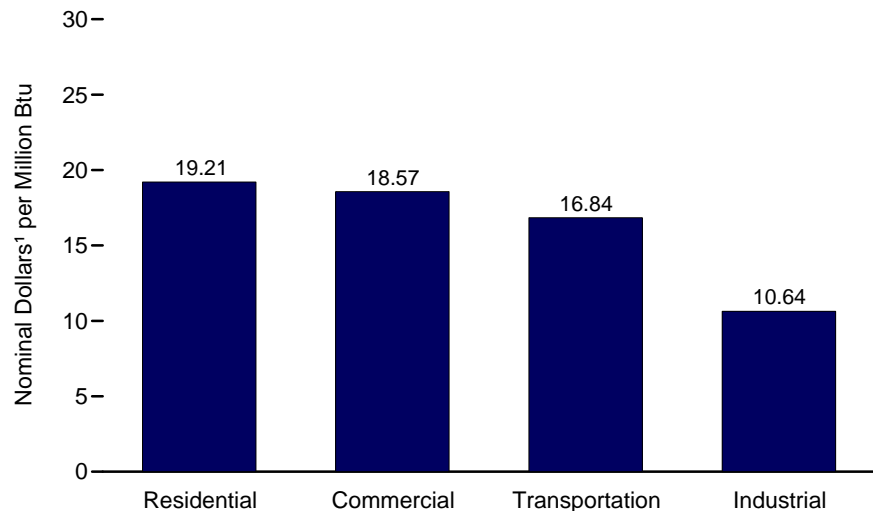
Notes: • Prices include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy.

Web Page: For related information, see [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html).

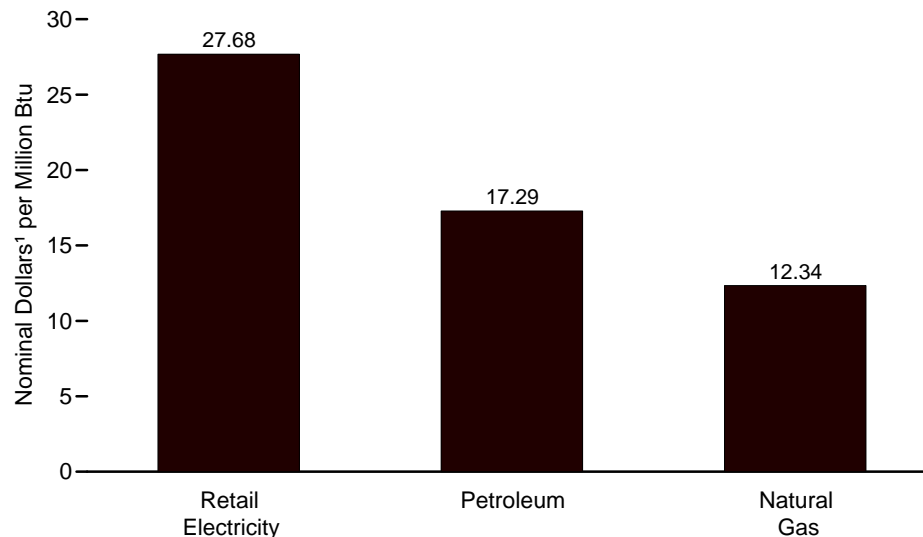
Source: Energy Information Administration, "State Energy Data 2005: Prices and Expenditures" (February 2008), U.S. Table 1.

**Figure 3.4 Consumer Price Estimates for Energy by End-Use Sector, 2005**

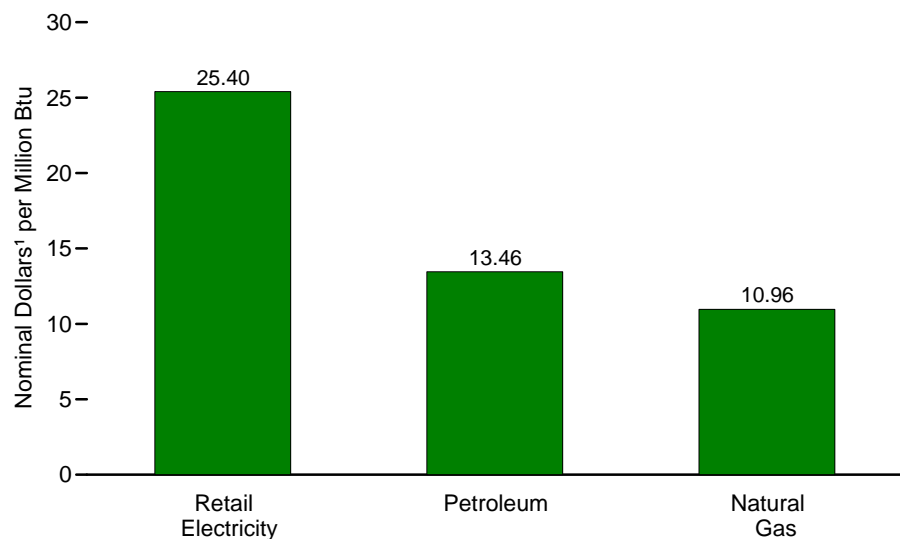
**By Sector**



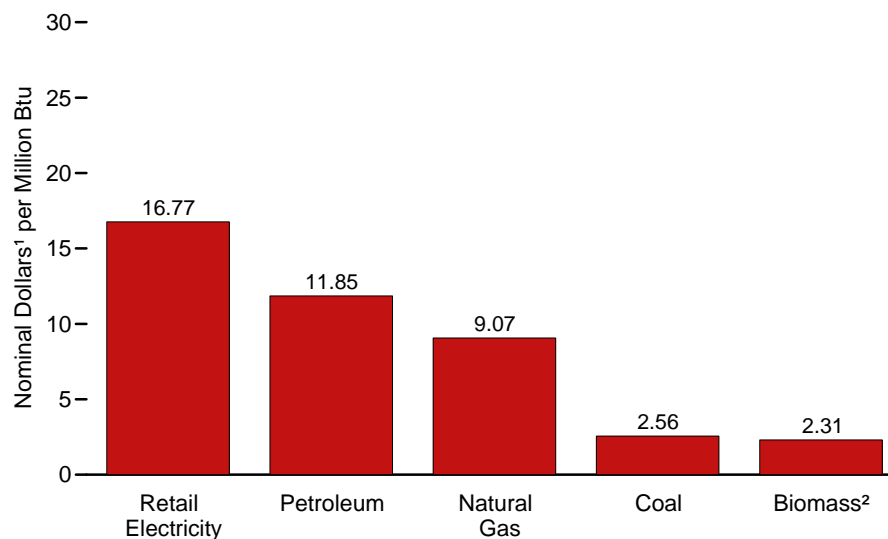
**Residential Sector by Major Sources**



**Commercial Sector by Major Sources**



**Industrial Sector by Major Sources**



<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Wood and waste; excludes ethanol and biodiesel.

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

Source: Table 3.4.



**Table 3.4 Consumer Price Estimates for Energy by End-Use Sector, 1970-2005**

(Nominal Dollars <sup>1</sup> per Million Btu)

Year	Residential				Commercial				Industrial						Transportation	
	Natural Gas <sup>2</sup>	Petroleum	Retail Electricity <sup>3</sup>	Total <sup>4</sup>	Natural Gas <sup>2</sup>	Petroleum <sup>5</sup>	Retail Electricity <sup>3</sup>	Total <sup>6</sup>	Coal	Natural Gas <sup>2</sup>	Petroleum <sup>5</sup>	Biomass <sup>7</sup>	Retail Electricity <sup>3</sup>	Total <sup>8</sup>	Petroleum <sup>5</sup>	Total <sup>9</sup>
1970	1.06	1.56	6.51	2.10	0.75	0.90	6.09	1.98	0.45	0.38	0.98	1.59	2.99	0.84	2.31	2.31
1971	1.12	1.61	6.80	2.24	.80	1.01	6.44	2.16	.50	.41	1.05	1.59	3.22	.92	2.37	2.37
1972	1.18	1.63	7.09	2.37	.86	1.04	6.71	2.33	.55	.46	1.05	1.59	3.40	.99	2.38	2.38
1973	1.26	2.11	7.44	2.72	.91	1.20	7.06	2.56	.63	.50	1.18	1.60	3.66	1.10	2.57	2.57
1974	1.42	2.87	9.09	3.38	1.05	2.25	8.91	3.41	1.22	.67	2.24	1.60	4.95	1.78	3.70	3.70
1975	1.67	3.04	10.29	3.81	1.32	2.39	10.11	4.08	1.50	.95	2.46	1.60	6.07	2.20	4.02	4.02
1976	1.94	3.26	10.93	4.13	1.61	2.49	10.82	4.39	1.50	1.21	2.57	1.60	6.48	2.43	4.20	4.21
1977	2.30	3.66	11.87	4.77	2.00	2.84	11.99	5.13	1.56	1.48	2.84	1.59	7.33	2.78	4.47	4.48
1978	2.52	3.79	12.63	5.13	2.20	2.92	12.78	5.51	1.73	1.66	2.96	1.60	8.18	3.03	4.59	4.59
1979	2.92	5.33	13.60	6.00	2.69	4.15	13.72	6.28	1.75	1.96	3.99	1.60	8.94	3.63	6.19	6.19
1980	3.60	7.26	15.71	7.46	3.32	5.64	16.06	7.85	1.87	2.52	5.75	1.67	10.81	4.71	8.60	8.61
1981	4.19	8.68	18.17	8.82	3.91	7.00	18.44	9.49	2.06	3.07	6.84	1.67	12.57	5.52	9.83	9.84
1982	5.05	8.69	20.11	9.78	4.70	6.65	20.11	10.37	2.09	3.80	6.51	1.67	14.51	6.05	9.42	9.43
1983	5.88	8.43	21.04	10.66	5.43	6.51	20.57	10.94	1.91	4.10	6.57	1.67	14.54	6.21	8.44	8.45
1984	5.95	8.47	20.96	10.68	5.40	6.49	20.89	11.10	1.91	4.13	6.56	1.67	14.16	6.12	8.25	8.26
1985	5.94	8.17	21.66	10.91	5.34	6.38	21.30	11.65	1.90	3.87	6.29	1.67	14.57	6.03	8.26	8.27
1986	5.67	6.82	21.75	10.75	4.94	4.32	21.10	11.22	1.80	3.20	4.92	1.65	14.45	5.36	6.21	6.22
1987	5.39	6.66	21.82	10.71	4.64	4.65	20.44	10.98	1.67	2.88	4.96	1.65	13.98	5.17	6.57	6.59
1988	5.32	6.63	21.92	10.66	4.51	4.38	20.34	10.82	1.68	2.90	4.62	1.65	13.78	5.00	6.56	6.57
1989	5.47	7.59	22.41	11.02	4.61	4.99	20.77	11.27	1.68	2.93	4.69	1.20	13.85	4.92	7.17	7.18
1990	5.63	8.75	22.96	11.88	4.70	5.95	21.20	11.89	1.69	2.95	5.48	.99	13.92	5.23	8.27	8.28
1991	5.66	8.56	23.57	12.08	4.69	5.44	21.73	12.07	1.67	2.80	5.31	1.14	14.18	5.18	7.98	7.99
1992	5.73	7.89	24.06	11.98	4.75	5.23	22.15	12.17	1.69	2.91	5.00	1.13	14.18	5.13	7.91	7.93
1993	5.99	7.73	24.40	12.28	5.08	5.00	22.40	12.58	1.63	3.12	4.93	1.12	14.22	5.16	7.87	7.88
1994	6.23	7.81	24.57	12.63	5.35	4.89	22.35	12.74	1.62	3.09	5.04	1.15	14.00	5.15	7.91	7.92
1995	5.89	7.75	24.63	12.63	4.94	4.97	22.29	12.64	1.63	2.80	5.20	1.21	13.68	4.97	8.08	8.09
1996	6.16	8.92	24.50	12.73	5.26	6.01	22.17	12.78	1.62	3.30	6.04	1.01	13.49	5.40	8.76	8.77
1997	6.75	8.90	24.71	13.29	5.67	5.92	22.03	13.05	1.62	3.53	5.68	1.01	13.29	5.34	8.69	8.70
1998	6.61	7.88	24.21	13.48	5.38	4.88	21.48	13.07	1.58	3.16	4.54	1.24	13.13	4.91	7.47	7.48
1999	6.50	8.12	23.93	13.19	5.22	5.35	21.01	12.87	1.58	3.21	5.07	1.38	12.98	5.12	8.23	8.23
2000	7.64	11.55	24.14	14.27	6.56	8.09	21.52	13.93	1.55	4.61	7.50	1.43	13.60	6.49	10.78	R10.79
2001	R9.42	11.65	R25.16	R15.68	8.32	7.64	R22.99	R15.55	1.63	5.71	6.75	1.54	R14.78	R6.85	10.21	10.21
2002	7.71	10.40	R24.75	R14.72	6.49	6.96	R22.81	R14.68	1.75	4.37	R6.43	1.55	R14.30	R6.26	9.63	9.63
2003	9.23	12.30	R25.56	R15.85	8.02	8.38	R23.54	R15.61	1.74	6.03	R7.78	1.52	R14.97	R7.46	11.20	11.21
2004	R10.52	R13.86	R26.22	R17.12	R9.24	R9.89	R23.95	R16.58	1.99	R7.08	R9.32	1.75	R15.38	R8.53	13.36	13.37
2005	12.34	17.29	27.68	19.21	10.96	13.46	25.40	18.57	2.56	9.07	11.85	2.31	16.77	10.64	16.84	16.84

<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Natural gas, plus a small amount of supplemental gaseous fuels.

<sup>3</sup> Retail electricity prices paid by ultimate customers, reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>4</sup> Includes coal and wood, which are not separately displayed.

<sup>5</sup> Beginning in 1993, includes ethanol blended into motor gasoline.

<sup>6</sup> Includes coal, wood, and waste, which are not separately displayed.

<sup>7</sup> Wood and waste; excludes ethanol and biodiesel.

<sup>8</sup> Includes coal coke imports and exports, which are not separately displayed.

<sup>9</sup> Includes coal, natural gas, and retail electricity, which are not separately displayed. Also, in 1981-1992, includes ethanol blended into motor gasoline that is not included in the petroleum data for those years.

R=Revised.

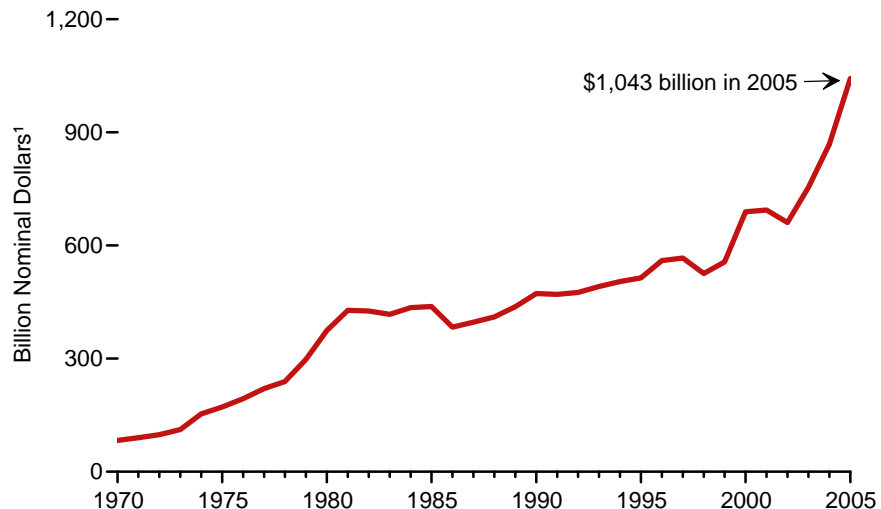
Notes: • Prices include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy.

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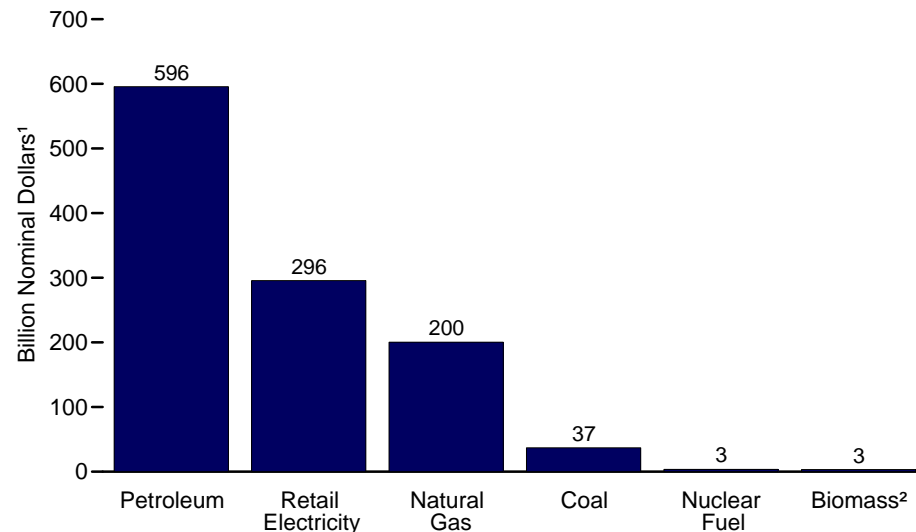
Source: Energy Information Administration, "State Energy Data 2005: Prices and Expenditures" (February 2008), U.S. Tables 2-5.

**Figure 3.5 Consumer Expenditure Estimates for Energy by Source**

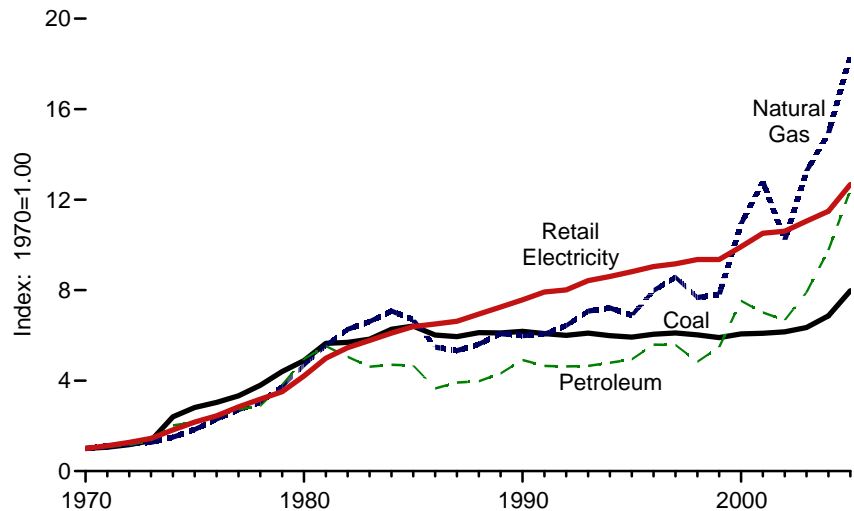
**Total Energy, 1970-2005**



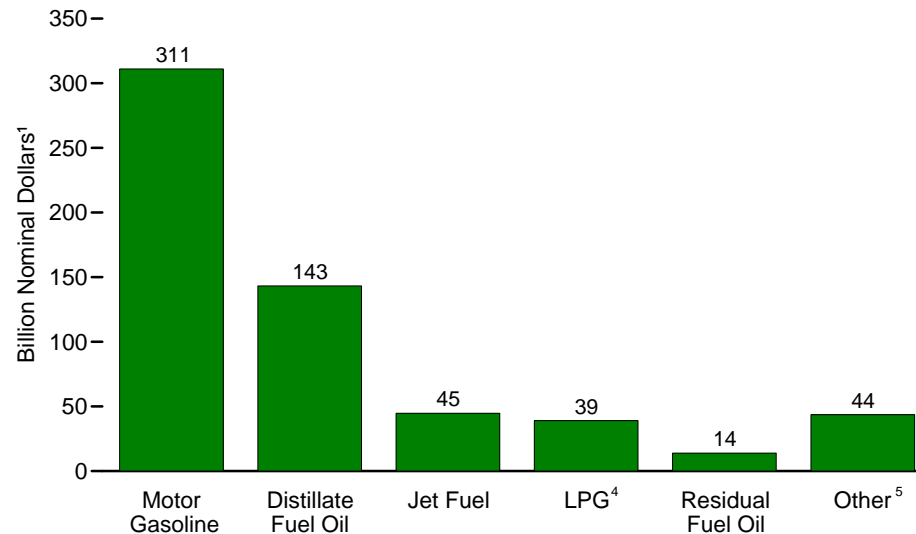
**By Energy Type, 2005**



**Expenditures<sup>3</sup> by Energy Type, Indexed, 1970-2005**



**By Petroleum Product, 2005**



<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Wood and waste; excludes ethanol and biodiesel.

<sup>3</sup> Based on nominal dollars.

<sup>4</sup> Liquefied petroleum gases.

<sup>5</sup> 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 3.5.

**Table 3.5 Consumer Expenditure Estimates for Energy by Source, 1970-2005**

(Million Nominal Dollars <sup>1</sup>)

Year	Primary Energy <sup>2</sup>													Electric Power Sector <sup>11,12,13</sup>	Retail Electricity <sup>14</sup>	Total Energy <sup>10,15</sup>
	Coal	Coal Coke Net Imports <sup>3</sup>	Natural Gas <sup>4</sup>	Petroleum							Nuclear Fuel	Biomass <sup>9</sup>	Total <sup>10,11</sup>			
				Distillate Fuel Oil	Jet Fuel <sup>5</sup>	LPG <sup>6</sup>	Motor Gasoline <sup>7</sup>	Residual Fuel Oil	Other <sup>8</sup>	Total						
1970	4,630	-75	10,891	6,253	1,441	2,446	31,596	2,046	4,172	47,955	44	438	R63,923	R-4,357	23,345	82,911
1971	4,902	-40	12,065	6,890	1,582	2,531	33,478	2,933	4,449	51,864	73	446	R69,360	R-5,491	26,202	90,071
1972	5,415	-26	13,198	7,552	1,682	2,889	35,346	3,458	4,777	55,702	104	476	R74,947	R-6,551	29,712	98,108
1973	6,243	7	13,933	9,524	2,001	3,933	39,667	4,667	5,318	65,109	177	502	R86,106	R-7,952	33,774	111,928
1974	11,118	150	16,380	15,217	3,208	5,273	54,194	10,547	8,284	96,723	259	544	R125,341	R-14,558	42,586	153,370
1975	13,021	82	20,061	15,680	4,193	5,231	59,446	10,374	8,493	103,416	448	534	R137,712	R-16,545	50,680	171,846
1976	14,051	44	25,097	18,402	4,567	5,993	64,977	11,648	9,925	115,513	520	622	R156,003	R-19,078	56,972	193,897
1977	15,416	67	29,602	22,004	5,517	6,824	70,591	14,381	11,790	131,106	743	694	R177,952	R-23,715	66,225	220,461
1978	17,551	362	33,185	23,587	6,205	6,621	74,513	13,747	13,348	138,021	915	782	R191,196	R-26,125	74,159	239,230
1979	20,376	259	40,785	32,854	8,603	9,383	95,916	17,656	18,785	183,197	941	964	R246,963	R-31,472	82,051	297,543
1980	22,607	-78	51,061	40,797	13,923	10,926	124,408	21,573	26,049	237,676	1,189	1,231	R314,278	R-38,027	98,095	374,346
1981	26,159	-31	60,544	48,200	15,607	11,900	138,138	22,668	28,571	265,084	1,436	1,429	R355,696	R-44,274	116,455	427,877
1982	26,349	-52	68,292	44,087	14,974	12,925	130,305	17,632	22,447	242,372	1,684	1,510	R341,398	R-42,354	127,393	426,437
1983	26,987	-44	72,000	41,846	13,979	14,083	115,803	14,099	21,573	221,382	1,859	1,517	R325,254	R-42,566	134,731	417,419
1984	29,025	-22	77,169	44,668	15,097	14,143	114,429	14,410	22,646	225,392	2,384	1,608	R337,248	R-44,686	142,420	434,982
1985	29,678	-34	72,938	43,972	14,747	13,579	118,048	11,493	22,088	223,928	2,878	1,597	R332,921	R-43,970	149,233	438,184
1986	27,855	-40	59,702	35,113	10,505	12,726	91,529	7,486	17,647	175,005	3,061	1,352	R268,633	R-37,016	151,793	383,409
1987	27,532	7	58,019	37,729	11,448	12,887	99,864	8,062	17,687	187,677	3,378	1,300	R280,012	R-38,182	154,685	396,515
1988	28,333	116	61,089	38,776	11,318	12,806	103,323	7,259	16,779	190,260	4,057	1,378	R286,915	R-38,553	162,063	410,426
1989	28,284	137	66,198	43,159	13,434	12,187	112,720	8,357	17,060	206,917	3,939	2,270	R309,108	R-40,829	169,332	437,611
1990	28,602	22	65,278	49,335	17,784	13,715	126,558	8,721	19,255	235,368	4,104	1,997	R336,475	R-40,626	176,691	472,539
1991	28,129	44	65,956	45,269	14,609	14,976	123,118	6,784	18,231	222,987	4,073	2,165	R324,544	R-38,752	184,767	470,559
1992	27,776	126	70,086	45,019	13,559	14,213	125,249	5,585	18,363	221,988	3,802	2,194	R327,344	R-38,663	186,906	475,587
1993	28,229	96	77,052	45,732	13,002	14,018	126,560	5,449	18,318	223,079	3,597	2,193	R334,953	R-40,317	196,532	491,168
1994	27,715	214	78,581	47,002	12,474	16,361	130,068	5,296	18,701	229,901	3,777	2,521	R343,724	R-40,352	200,831	504,204
1995	27,431	234	75,020	47,533	12,525	16,306	136,647	4,676	19,218	236,905	3,810	2,938	R347,245	R-39,073	205,876	514,049
1996	28,028	156	86,904	56,455	15,770	21,208	148,344	5,313	21,086	268,176	3,624	2,668	R390,501	R-41,652	211,105	559,954
1997	28,277	170	93,382	55,910	15,000	19,905	149,668	5,206	21,578	267,266	3,369	2,423	R395,874	R-42,947	213,843	566,770
1998	27,888	188	83,620	48,350	11,239	15,388	132,730	4,280	19,912	231,898	3,555	2,477	R350,687	R-43,311	218,361	525,737
1999	27,310	140	84,960	54,586	13,878	19,184	149,260	4,686	R21,221	R262,815	3,643	2,661	R382,809	R-44,689	218,413	R556,533
2000	28,080	146	R119,094	78,207	R23,777	29,879	193,947	8,870	R26,208	R360,889	3,628	3,196	R517,815	R-60,054	231,577	R689,338
2001	28,202	82	R139,388	74,924	19,602	25,734	185,892	7,266	R22,911	R336,329	3,524	2,912	R513,126	R-64,555	R245,483	R694,054
2002	R28,511	180	R111,368	69,271	17,802	23,148	179,511	6,156	R23,996	R319,884	3,504	2,792	R467,363	R-54,067	R247,598	R660,894
2003	29,402	169	R144,489	83,767	21,096	28,401	R209,592	8,325	R27,786	R378,967	3,362	2,978	R560,737	R-64,600	R257,995	R754,131
2004	R31,765	1,125	R162,702	105,662	30,219	R34,663	R253,228	9,717	R34,911	R468,400	3,445	3,301	R672,353	R-71,716	R268,136	R868,773
2005	36,933	633	200,303	143,261	544,679	39,073	311,035	13,951	43,593	595,594	3,477	3,396	842,849	-95,704	295,789	1,042,934

<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Expenditures by all sectors, including the electric power sector.

<sup>3</sup> 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 3.9, which derive from Bureau of the Census, U.S. International Trade in Goods and Services, FT600 series.

<sup>4</sup> Natural gas, plus a small amount of supplemental gaseous fuels.

<sup>5</sup> Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only.

<sup>6</sup> Liquefied petroleum gases.

<sup>7</sup> Beginning in 1993, includes ethanol blended into motor gasoline.

<sup>8</sup> Asphalt and road oil, aviation gasoline, kerosene, lubricants, petrochemical feedstocks, petroleum coke, special naphthas, waxes, and miscellaneous petroleum products.

<sup>9</sup> Wood and waste; excludes ethanol and biodiesel.

<sup>10</sup> Includes electricity imports, which are not separately displayed. Also, in 1981-1992, includes ethanol blended into motor gasoline that is not included in the motor gasoline data for those years.

<sup>11</sup> Revisions are due to the removal of electricity exports.

<sup>12</sup> Electricity-only and combined-heat-and-power (CHP) plants within the NAICS (North American Industry

Classification System) 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

<sup>13</sup> Expenditures by the electric power sector for coal, natural gas, petroleum, nuclear fuel, wood, waste, and electricity imports. Values are negative so the columns will sum to the "Total Energy" column.

<sup>14</sup> Retail electricity expenditures by ultimate customers, reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>15</sup> Expenditures for primary energy and retail electricity by the four end-use sectors (residential, commercial, industrial, and transportation); excludes expenditures for energy by the electric power sector.

R=Revised.

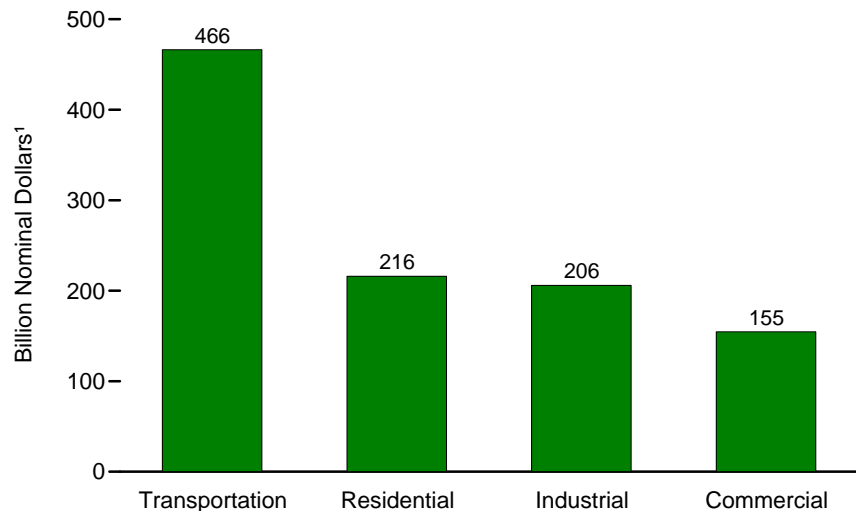
Notes: • Expenditures include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy. • Totals may not equal the sum of components due to independent rounding.

Web Page: For related information, see [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html).

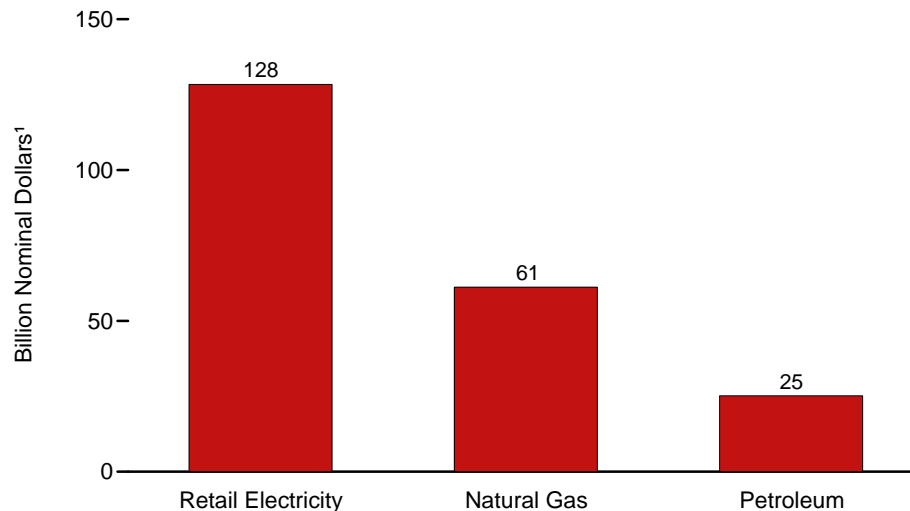
Source: Energy Information Administration, "State Energy Data 2005: Prices and Expenditures" (February 2008), U.S. Table 1.

**Figure 3.6 Consumer Expenditure Estimates for Energy by End-Use Sector, 2005**

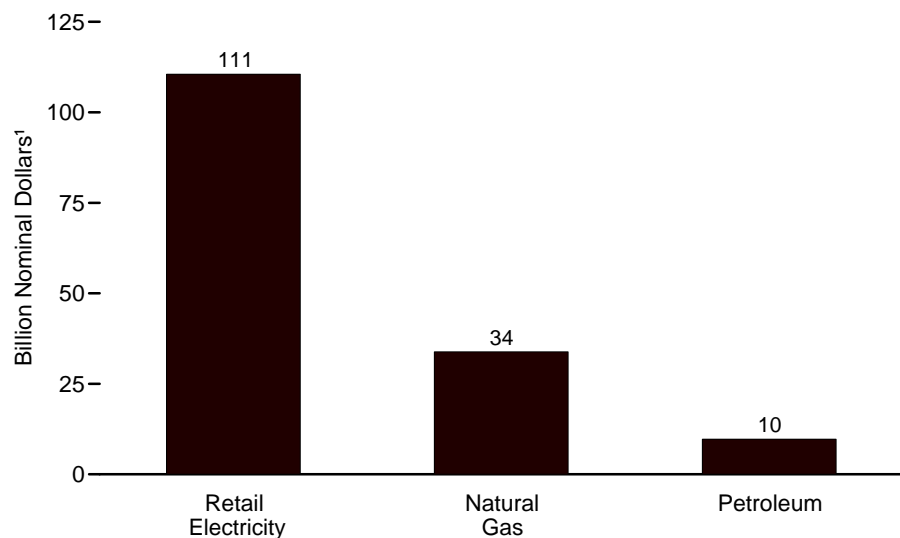
**By Sector**



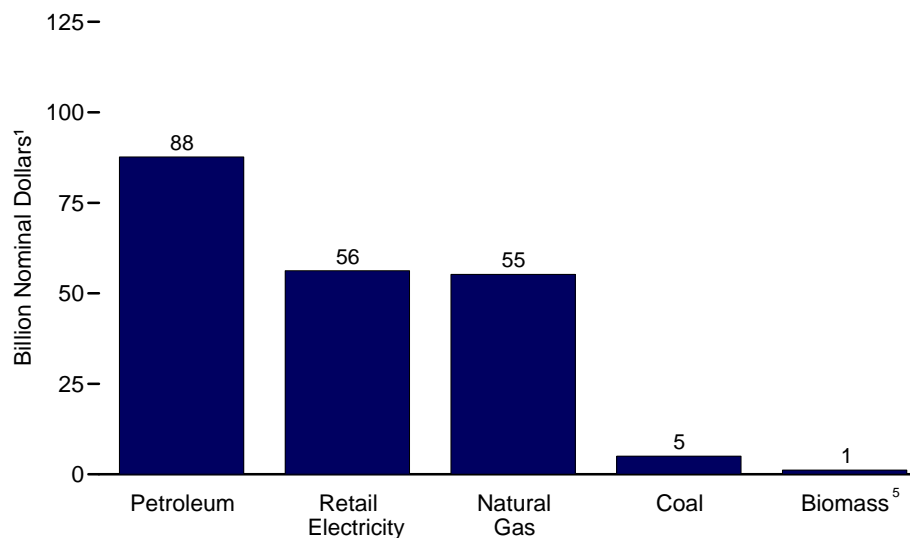
**Residential Sector by Major Sources<sup>2</sup>**



**Commercial Sector by Major Sources<sup>3</sup>**



**Industrial Sector by Major Sources<sup>4</sup>**



<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Expenditures for coal and wood are not displayed.

<sup>3</sup> Expenditures for coal, wood, and waste are not displayed.

<sup>4</sup> Expenditures for imports and exports of coal coke are not displayed.

<sup>5</sup> Wood and waste; excludes ethanol and biodiesel.

Notes: • Petroleum accounts for nearly all transportation sector expenditures. • 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. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.6.

**Table 3.6 Consumer Expenditure Estimates for Energy by End-Use Sector, 1970-2005**  
(Million Nominal Dollars <sup>1</sup>)

Year	Residential				Commercial				Industrial						Transportation	
	Natural Gas <sup>2</sup>	Petroleum	Retail Electricity <sup>3</sup>	Total <sup>4</sup>	Natural Gas <sup>2</sup>	Petroleum <sup>5</sup>	Retail Electricity <sup>3</sup>	Total <sup>6</sup>	Coal	Natural Gas <sup>2</sup>	Petroleum <sup>5</sup>	Biomass <sup>7</sup>	Retail Electricity <sup>3</sup>	Total <sup>8</sup>	Petroleum <sup>5</sup>	Total <sup>9</sup>
1970	5,272	4,286	10,352	20,213	1,844	1,391	7,319	10,628	2,082	2,625	6,069	366	5,624	16,691	35,327	35,379
1971	5,702	4,466	11,589	22,033	2,060	1,523	8,301	11,970	1,971	3,019	6,663	374	6,256	18,244	37,766	37,824
1972	6,223	4,731	13,034	24,203	2,289	1,599	9,443	13,410	2,212	3,335	7,180	404	7,173	20,278	40,154	40,218
1973	6,282	5,957	14,712	27,137	2,421	1,881	10,707	15,094	2,527	3,936	8,600	425	8,284	23,779	45,846	45,918
1974	6,949	7,392	17,924	32,563	2,741	3,205	13,373	19,494	4,704	4,971	15,408	421	11,184	36,837	64,368	64,476
1975	8,410	7,582	20,644	36,932	3,385	3,133	16,157	22,869	5,498	5,844	15,544	386	13,760	41,113	70,813	70,933
1976	9,992	8,857	22,621	41,785	4,379	3,638	18,148	26,345	5,448	7,484	18,384	443	16,083	47,887	77,759	77,880
1977	11,324	9,872	26,132	47,694	5,094	4,297	21,023	30,611	5,360	8,958	22,190	464	18,956	55,996	86,047	86,160
1978	12,565	9,926	29,069	51,949	5,812	4,230	23,166	33,443	5,722	10,114	23,203	511	21,798	61,710	92,003	92,128
1979	14,772	11,276	31,683	58,267	7,623	5,534	25,433	38,819	6,247	12,110	33,705	512	24,797	77,630	122,688	122,826
1980	17,497	12,695	38,458	69,418	8,858	7,267	30,611	46,932	5,888	16,350	42,765	529	28,863	94,316	163,517	163,680
1981	19,502	13,394	44,780	78,630	10,085	7,628	37,484	55,462	6,441	20,432	47,171	558	34,007	108,578	184,946	185,207
1982	23,987	12,526	50,045	87,618	12,565	6,706	41,759	61,343	5,301	20,504	41,841	540	35,364	103,498	173,553	173,978
1983	26,564	11,486	53,918	92,948	13,602	7,392	43,529	64,825	4,735	21,461	38,437	610	37,017	102,216	156,841	157,430
1984	27,873	12,433	55,777	97,170	14,012	8,121	47,304	69,763	5,420	23,763	41,563	622	39,050	110,395	156,979	157,654
1985	27,136	12,894	58,672	99,772	13,368	6,671	50,092	70,396	5,252	21,615	38,876	619	40,190	106,518	160,745	161,498
1986	25,147	10,613	60,776	97,353	11,770	4,869	51,449	68,337	4,745	16,479	30,567	639	39,271	91,661	125,353	126,058
1987	23,926	10,875	63,318	98,851	11,601	5,078	51,900	68,795	4,448	15,909	31,092	636	39,109	91,201	136,807	137,667
1988	25,332	11,204	66,793	104,104	12,377	4,655	54,411	71,669	4,744	17,257	29,123	662	40,507	92,410	141,382	142,244
1989	26,951	12,739	69,243	109,770	12,908	4,998	57,460	75,610	4,650	18,770	28,561	1,323	42,255	95,695	155,591	156,536
1990	25,439	12,308	72,378	111,097	12,681	5,669	60,627	79,284	4,636	19,348	34,132	906	43,358	102,402	178,852	179,757
1991	26,508	11,916	76,828	116,212	13,175	4,871	63,407	81,740	4,332	18,912	32,511	1,034	44,201	101,034	170,589	171,572
1992	27,599	11,264	76,848	116,631	13,685	4,469	64,233	82,676	4,245	20,553	32,225	1,079	45,474	103,703	171,482	172,577
1993	30,533	11,200	82,814	125,351	14,967	3,903	67,626	86,790	4,060	22,367	31,550	1,146	45,726	104,946	173,704	174,082
1994	31,028	11,089	84,552	127,395	15,927	3,847	69,637	89,694	4,060	22,556	33,626	1,279	46,257	107,992	178,724	179,123
1995	29,362	10,715	87,610	128,388	15,383	3,638	72,481	91,788	4,068	21,487	34,170	1,699	45,402	107,060	186,411	186,813
1996	33,219	13,278	90,503	137,822	17,106	4,518	74,121	96,053	3,943	26,167	40,796	1,432	46,102	118,596	207,078	207,483
1997	34,590	12,712	90,704	138,674	18,755	4,168	77,153	100,396	3,887	28,411	39,833	1,435	45,610	119,347	207,940	208,353
1998	30,875	10,352	93,360	135,101	16,667	3,222	78,999	99,138	3,566	24,515	32,220	1,600	45,634	107,723	183,368	183,775
1999	31,577	11,956	93,482	137,573	16,351	3,540	79,141	99,290	3,457	24,079	<sup>R</sup> 36,937	1,786	45,429	<sup>R</sup> 111,828	207,433	207,843
2000	38,959	18,051	98,209	156,089	21,339	6,121	85,129	112,870	3,507	34,624	<sup>R</sup> 53,509	1,888	47,859	<sup>R</sup> 141,533	<sup>R</sup> 278,398	<sup>R</sup> 278,846
2001	46,189	17,924	<sup>R</sup> 103,158	<sup>R</sup> 167,997	25,879	5,666	<sup>R</sup> 93,402	<sup>R</sup> 125,231	3,572	38,597	<sup>R</sup> 46,983	1,751	<sup>R</sup> 48,519	<sup>R</sup> 139,503	260,813	<sup>R</sup> 261,323
2002	38,490	15,208	<sup>R</sup> 106,834	<sup>R</sup> 161,205	20,926	4,741	<sup>R</sup> 93,763	<sup>R</sup> 119,719	3,526	31,031	<sup>R</sup> 45,505	1,537	<sup>R</sup> 46,606	<sup>R</sup> 128,386	<sup>R</sup> 251,107	<sup>R</sup> 251,585
2003	48,278	18,923	<sup>R</sup> 111,249	<sup>R</sup> 179,287	26,411	6,464	<sup>R</sup> 96,263	<sup>R</sup> 129,456	3,552	41,168	<sup>R</sup> 53,953	1,400	<sup>R</sup> 49,962	<sup>R</sup> 150,205	<sup>R</sup> 294,538	<sup>R</sup> 295,183
2004	<sup>R</sup> 52,265	<sup>R</sup> 21,350	<sup>R</sup> 115,577	<sup>R</sup> 190,174	<sup>R</sup> 29,518	<sup>R</sup> 7,442	<sup>R</sup> 100,546	<sup>R</sup> 137,920	4,064	<sup>R</sup> 47,322	<sup>R</sup> 70,718	1,509	<sup>R</sup> 51,491	<sup>R</sup> 176,229	<sup>R</sup> 363,764	<sup>R</sup> 364,450
2005	61,196	25,150	128,393	216,046	33,838	9,724	110,522	154,576	5,004	55,247	87,679	1,183	56,229	205,975	465,476	466,337

<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Natural gas, plus a small amount of supplemental gaseous fuels.

<sup>3</sup> Retail electricity expenditures by ultimate customers, reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>4</sup> Includes coal and wood, which are not separately displayed.

<sup>5</sup> Beginning in 1993, includes ethanol blended into motor gasoline.

<sup>6</sup> Includes coal, wood, and waste, which are not separately displayed.

<sup>7</sup> Wood and waste; excludes ethanol and biodiesel.

<sup>8</sup> Includes coal coke imports and exports, which are not separately displayed.

<sup>9</sup> Includes coal, natural gas, and retail electricity, which are not separately displayed. Also, in

1981-1992, includes ethanol blended into motor gasoline that is not included in the petroleum data for those years.

R=Revised.

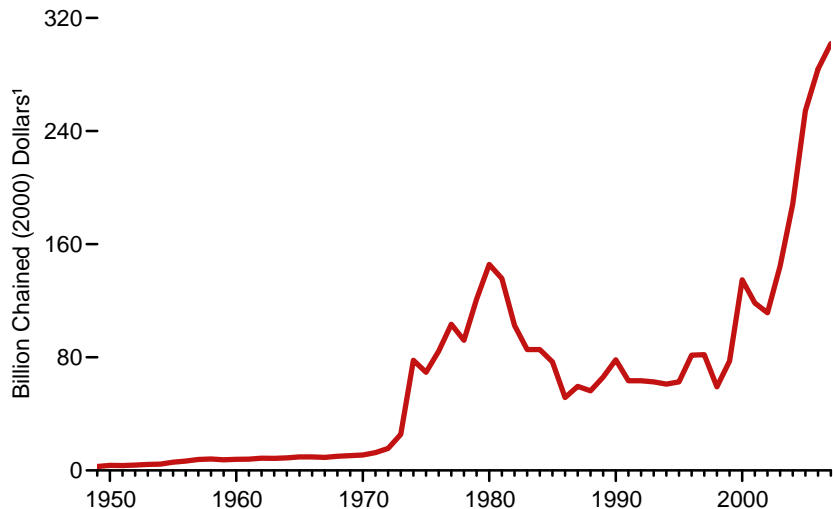
Notes: • Expenditures include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy. • Totals may not equal the sum of components due to independent rounding.

Web Page: For related information, see [http://www.eia.doe.gov/emeu/states/\\_seds.html](http://www.eia.doe.gov/emeu/states/_seds.html).

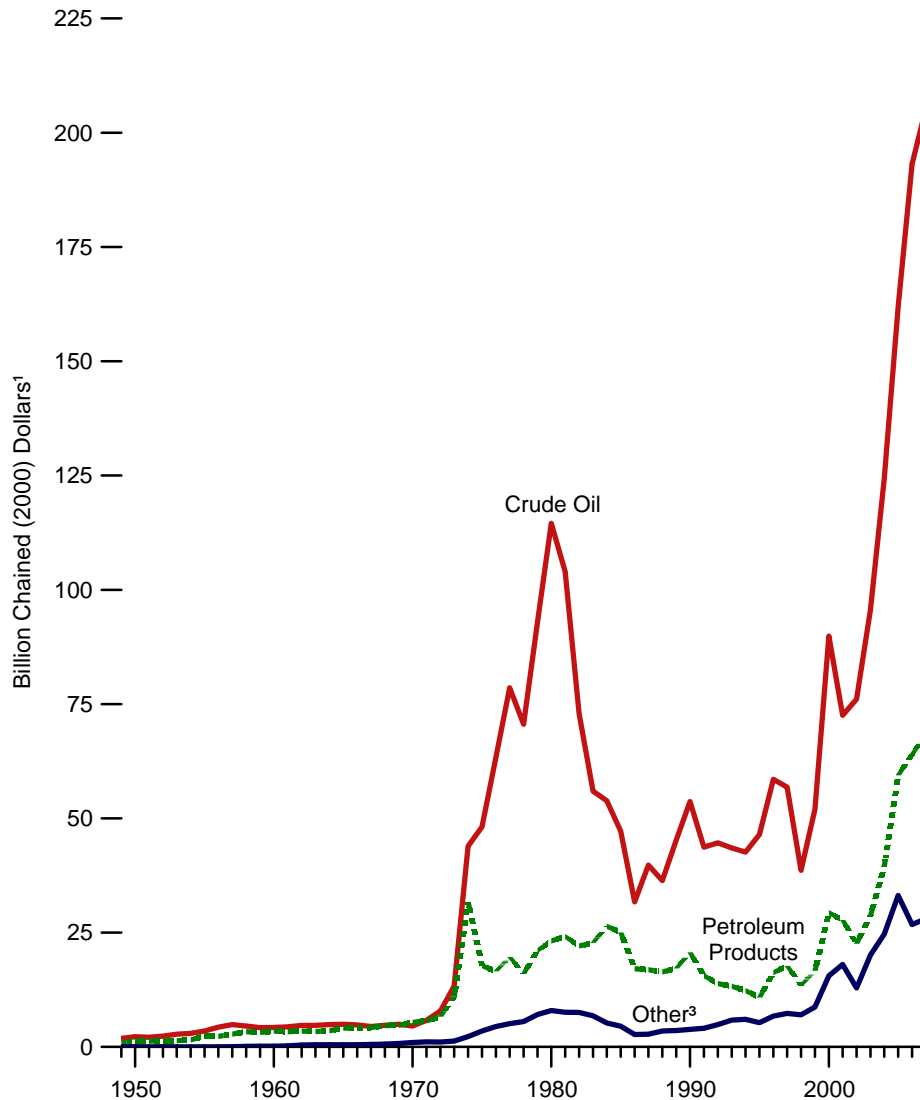
Source: Energy Information Administration, "State Energy Data 2005: Prices and Expenditures" (February 2008), U.S. Tables 2-5.

**Figure 3.7 Value of Fossil Fuel Imports**

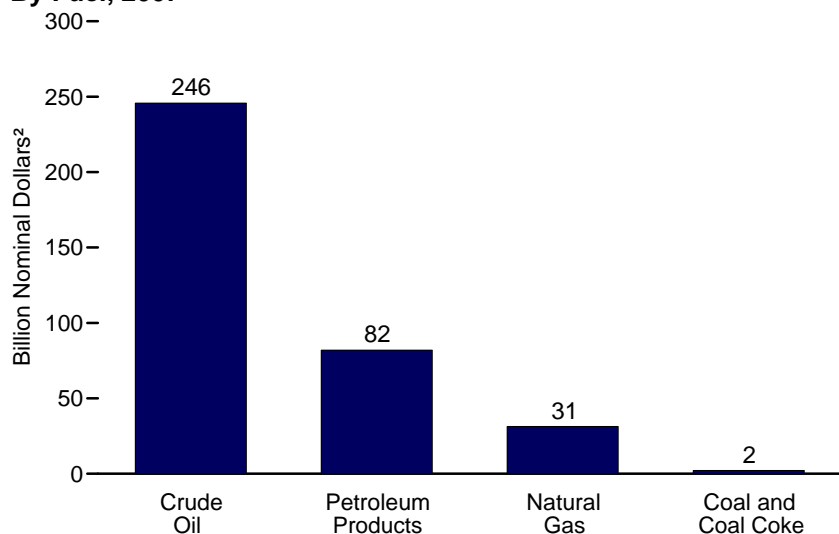
**Total, 1949-2007**



**By Fuel, 1949-2007**



**By Fuel, 2007**



<sup>1</sup> Calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>2</sup> See "Nominal Dollars" in Glossary.

<sup>3</sup> Natural gas, coal, and coal coke.

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

Source: Table 3.7.

**Table 3.7 Value of Fossil Fuel Imports, Selected Years, 1949-2007**

(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil <sup>1</sup>		Petroleum Products <sup>2</sup>		Total	
	Nominal <sup>3</sup>	Real <sup>4</sup>	Nominal <sup>3</sup>	Real <sup>4</sup>	Nominal <sup>3</sup>	Real <sup>4</sup>	Nominal <sup>3</sup>	Real <sup>4</sup>	Nominal <sup>3</sup>	Real <sup>4</sup>	Nominal <sup>3</sup>	Real <sup>4</sup>
1949	(s)	0.01	(s)	0.02	0.00	0.00	0.30	1.86	0.14	0.84	0.45	2.74
1950	(s)	.02	.01	.03	.00	.00	.37	2.23	.21	1.30	.59	3.58
1955	(s)	.01	(s)	.01	(s)	.01	.65	3.49	.44	2.36	1.10	5.88
1960	(s)	.01	(s)	.01	.03	.13	.90	4.25	.73	3.48	1.66	7.88
1965	(s)	.01	(s)	.01	.11	.47	1.12	4.97	.92	4.10	2.15	9.55
1970	(s)	(s)	(s)	.01	.26	.94	1.26	4.58	1.48	5.38	3.00	10.91
1971	(s)	.01	(s)	.01	.31	1.08	1.69	5.84	1.66	5.73	3.66	12.67
1972	(s)	(s)	(s)	.02	.31	1.04	2.37	7.85	1.99	6.59	4.68	15.51
1973	(s)	.01	.04	.12	.36	1.14	4.24	13.31	3.50	10.98	8.14	25.56
1974	.06	.17	.19	.56	.53	1.53	15.25	43.92	11.01	31.71	27.05	77.89
1975	.02	.06	.16	.41	1.15	3.03	18.29	48.13	6.77	17.81	26.39	69.44
1976	.02	.04	.11	.28	1.66	4.13	25.46	63.33	6.65	16.55	33.90	84.33
1977	.04	.09	.13	.31	2.00	4.68	33.59	78.57	8.42	19.69	44.18	103.34
1978	.07	.16	.41	.89	2.06	4.50	32.30	70.59	7.30	15.96	42.15	92.11
1979	.05	.10	.34	.69	3.13	6.31	46.06	92.96	10.45	21.09	60.03	121.15
1980	.03	.06	.05	.10	4.21	7.80	61.90	114.54	12.54	23.21	78.74	145.69
1981	.03	.05	.04	.07	4.41	7.46	61.46	103.96	14.30	24.18	80.24	135.73
1982	.02	.04	.01	.01	4.69	7.48	45.72	72.89	13.86	22.10	64.31	102.53
1983	.04	.07	(s)	(s)	4.39	6.73	36.49	55.96	14.84	22.76	55.77	85.52
1984	.05	.07	.05	.07	3.44	5.08	36.44	53.87	17.87	26.41	57.84	85.49
1985	.07	.10	.04	.06	3.05	4.37	32.90	47.20	17.47	25.05	53.53	76.79
1986	.08	.11	.03	.04	1.82	2.56	22.61	31.73	12.18	17.10	36.72	51.53
1987	.06	.08	.05	.08	1.93	2.64	29.13	39.80	12.37	16.89	43.54	59.48
1988	.06	.08	.19	.26	2.38	3.14	27.55	36.39	12.43	16.43	42.62	56.30
1989	.10	.12	.22	.28	2.51	3.19	35.53	45.23	13.50	17.18	51.85	66.00
1990	.09	.11	.07	.09	2.97	3.64	43.78	53.66	16.90	20.72	63.83	78.23
1991	.11	.13	.09	.11	3.24	3.83	36.90	43.70	13.17	15.60	53.51	63.37
1992	.13	.15	.14	.17	3.96	4.58	38.55	44.63	11.98	13.87	54.77	63.40
1993	.25	.29	.17	.19	4.77	5.40	38.47	43.53	11.74	13.28	55.40	62.68
1994	.27	.30	.27	.30	4.90	5.43	38.48	42.63	11.14	12.35	55.07	61.01
1995	.32	.35	.33	.35	4.23	4.59	42.81	46.48	9.95	10.80	57.64	62.58
1996	.27	.29	.24	.26	5.79	6.17	54.93	58.53	15.27	16.27	76.51	81.52
1997	.26	.27	.25	.27	6.50	6.81	54.23	56.83	<sup>5</sup> 16.93	<sup>5</sup> 17.74	78.16	81.91
1998	.28	.29	.29	.30	6.21	6.44	37.25	38.61	13.01	13.49	57.05	59.13
1999	.28	.29	.23	.23	8.03	8.21	50.89	52.00	16.28	16.64	75.71	77.36
2000	.38	.38	.25	.25	14.94	14.94	89.88	89.88	29.38	29.38	134.81	134.81
2001	.67	.66	.19	.19	17.62	17.21	74.29	72.55	28.45	27.79	121.23	118.39
2002	.60	.58	.24	.23	12.61	12.10	79.25	76.07	23.52	22.57	116.22	111.55
2003	.79	.74	.24	.22	20.39	19.16	101.80	95.67	30.64	28.79	153.85	144.59
2004	1.02	.94	1.23	1.13	24.74	<sup>R</sup> 22.60	136.03	<sup>R</sup> 124.27	43.24	<sup>R</sup> 39.50	206.26	<sup>R</sup> 188.43
2005	1.42	1.26	.78	.69	35.25	<sup>R</sup> 31.19	182.94	<sup>R</sup> 161.90	67.12	<sup>R</sup> 59.40	287.52	<sup>R</sup> 254.44
2006	1.78	1.53	.64	.55	<sup>R</sup> 28.80	<sup>R</sup> 24.71	<sup>R</sup> 225.16	<sup>R</sup> 193.16	<sup>R</sup> 74.56	<sup>R</sup> 63.96	<sup>R</sup> 330.93	<sup>R</sup> 283.90
2007	<sup>P</sup> 1.73	<sup>P</sup> 1.45	<sup>P</sup> .48	<sup>P</sup> .40	<sup>E</sup> 31.32	<sup>E</sup> 26.17	<sup>P</sup> 245.78	<sup>P</sup> 205.39	<sup>P</sup> 81.91	<sup>P</sup> 68.45	<sup>P</sup> 361.21	<sup>P</sup> 301.86

<sup>1</sup> Beginning in 1977, includes imports into the Strategic Petroleum Reserve.

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

<sup>3</sup> See "Nominal Dollars" in Glossary.

<sup>4</sup> In chained (2000) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>5</sup> 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. E=Estimate. (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.

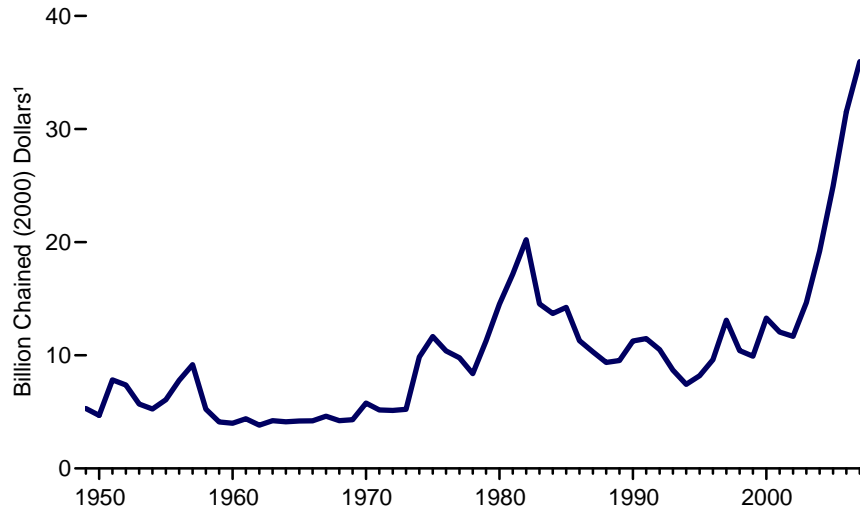
 Web Page: For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

 Sources: **Coal** and **Coal Coke**: Bureau of the Census, Foreign Trade Division, unpublished data.

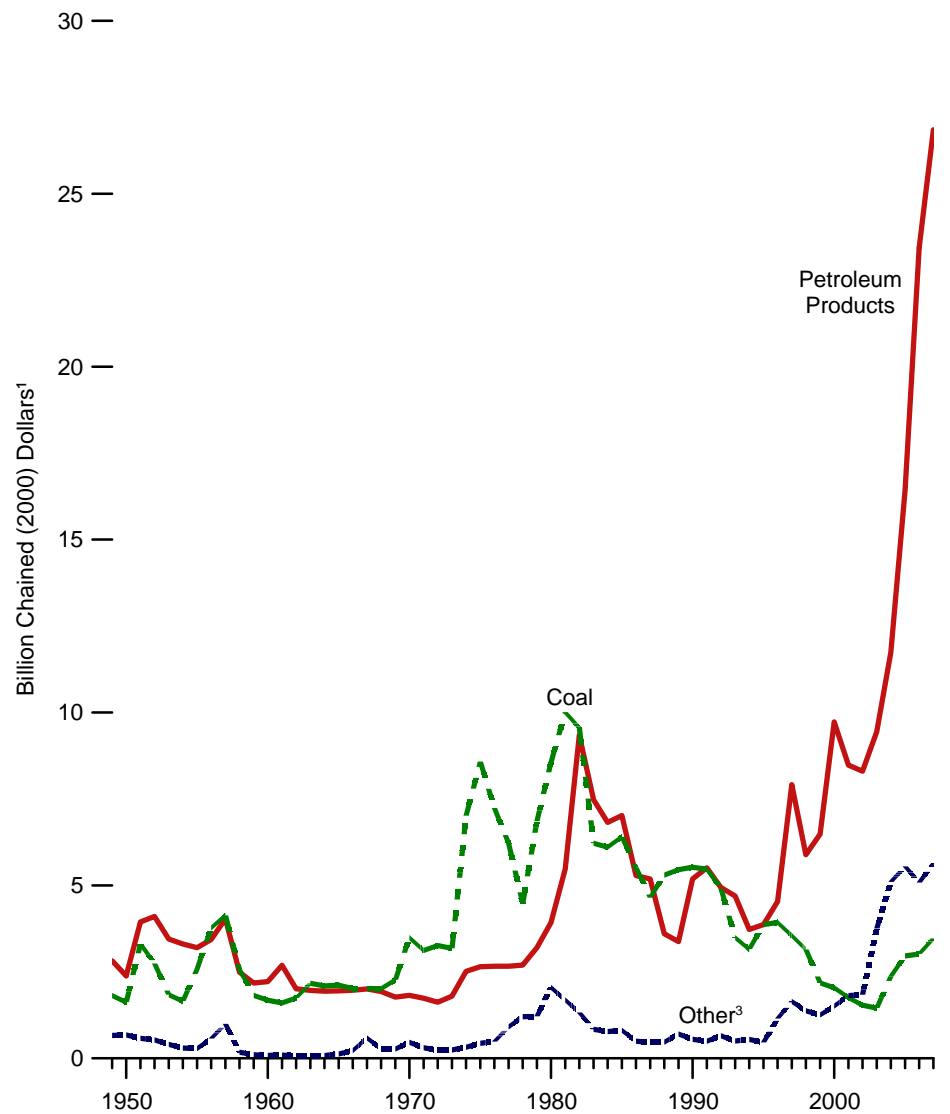
**Natural Gas**: • 1949-1962—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT110. • 1963—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT125. • 1964-1971—Bureau of the Census, *U.S. Imports for Consumption and General Imports*, FT246. • 1972 and 1973—Federal 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. • 1982-2005—EIA, *Natural Gas Monthly (NGM)*, monthly reports. • 2006—EIA, *NGM* (March 2008), Table 4. • 2007—EIA estimate. **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 3.8 Value of Fossil Fuel Exports**

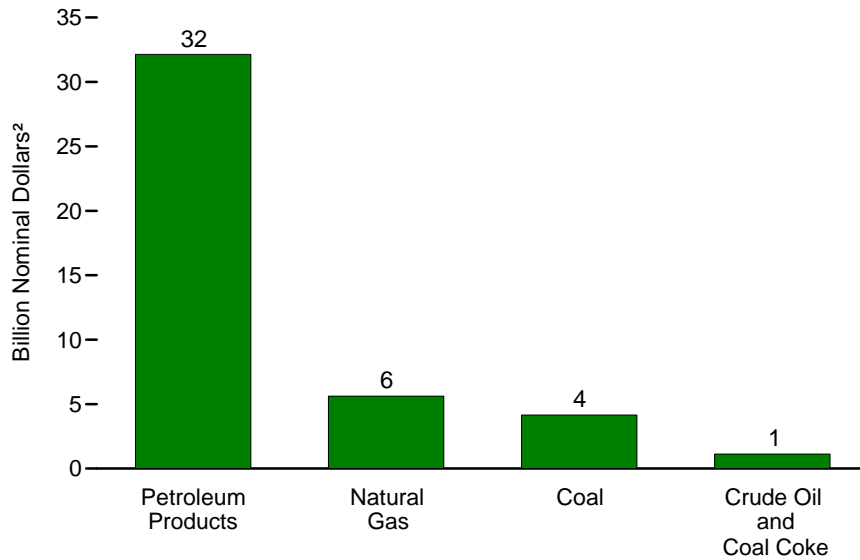
**Total, 1949-2007**



**By Fuel, 1949-2007**



**By Fuel, 2007**



<sup>1</sup> Calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>2</sup> See "Nominal Dollars" in Glossary.

<sup>3</sup> Natural gas, crude oil, and coal coke.

Note: Because vertical scales differ, graphs should not be compared.  
Source: Table 3.8.



**Table 3.8 Value of Fossil Fuel Exports, Selected Years, 1949-2007**  
(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil		Petroleum Products <sup>1</sup>		Total	
	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>
1949	0.30	1.82	0.01	0.05	(s)	0.01	0.10	0.60	0.46	2.82	0.87	5.30
1950	.27	1.63	.01	.04	(s)	.02	.10	.62	.39	2.39	.78	4.69
1955	.48	2.59	.01	.04	.01	.03	.04	.21	.60	3.20	1.14	6.07
1960	.35	1.68	.01	.03	(s)	.02	.01	.04	.47	2.22	.84	3.99
1965	.48	2.12	.02	.07	.01	.03	(s)	.02	.44	1.95	.95	4.19
1970	.96	3.49	.08	.29	.03	.11	.02	.07	.50	1.82	1.59	5.78
1971	.90	3.12	.04	.16	.04	.13	.01	.02	.50	1.74	1.49	5.16
1972	.98	3.26	.03	.10	.04	.13	(s)	.01	.49	1.62	1.55	5.12
1973	1.01	3.18	.03	.10	.04	.13	(s)	.01	.57	1.80	1.66	5.22
1974	2.44	7.02	.04	.13	.05	.16	.01	.04	.87	2.51	3.42	9.85
1975	3.26	8.58	.07	.20	.09	.24	(s)	(s)	1.01	2.65	4.43	11.66
1976	2.91	7.24	.07	.17	.10	.25	.03	.07	1.07	2.66	4.17	10.39
1977	2.66	6.21	.07	.17	.11	.25	.21	.49	1.14	2.66	4.18	9.78
1978	2.05	4.48	.05	.11	.11	.24	.39	.85	1.23	2.69	3.83	8.38
1979	3.40	6.86	.08	.16	.13	.26	.39	.80	1.58	3.20	5.58	11.27
1980	4.63	8.56	.13	.24	.23	.42	.75	1.39	2.12	3.92	7.86	14.54
1981	5.92	10.01	.07	.13	.35	.59	.58	.98	3.24	5.48	10.16	17.18
1982	5.99	9.55	.06	.10	.30	.48	.47	.75	5.86	9.34	12.68	20.22
1983	4.06	6.22	.05	.07	.28	.43	.22	.34	4.88	7.48	9.48	14.54
1984	4.13	6.11	.07	.10	.27	.40	.19	.27	4.62	6.82	9.27	13.71
1985	4.47	6.41	.08	.11	.26	.38	.23	.32	4.90	7.02	9.93	14.24
1986	3.93	5.52	.07	.09	.17	.24	.12	.16	3.77	5.29	8.05	11.30
1987	3.40	4.65	.05	.07	.17	.23	.13	.17	3.80	5.19	7.54	10.30
1988	4.01	5.30	.08	.10	.20	.27	.08	.10	2.72	3.60	7.09	9.37
1989	4.29	5.46	.08	.10	.27	.34	.21	.26	2.65	3.38	7.49	9.54
1990	4.51	5.53	.05	.06	.27	.32	.14	.17	4.23	5.19	9.20	11.27
1991	4.62	5.47	.05	.06	.33	.40	.03	.04	4.65	5.51	9.69	11.48
1992	4.24	4.91	.04	.05	.49	.56	.03	.04	4.27	4.94	9.07	10.50
1993	3.09	3.49	.06	.07	.36	.41	.02	.02	4.15	4.69	7.68	8.69
1994	2.85	3.16	.04	.04	.40	.45	.05	.05	3.36	3.72	6.71	7.43
1995	3.57	3.87	.05	.05	.37	.40	.01	.01	3.56	3.87	7.55	8.20
1996	3.69	3.93	.06	.07	.46	.49	.56	.60	4.25	4.53	9.02	9.61
1997	3.39	3.55	.05	.06	.47	.50	1.04	1.09	47.55	47.91	12.51	13.11
1998	3.04	3.15	.04	.05	.39	.40	.90	.93	5.68	5.89	10.04	10.41
1999	2.13	2.18	.03	.03	.43	.44	.77	.79	6.35	6.48	9.71	9.92
2000	2.04	2.04	.05	.05	1.00	1.00	.46	.46	9.73	9.73	13.28	13.28
2001	1.80	1.76	.11	.11	1.56	1.53	.19	.18	8.68	8.48	12.34	12.05
2002	1.60	1.54	.06	.06	1.76	1.69	.09	.09	8.65	8.30	12.17	11.68
2003	1.55	1.45	.07	.07	3.77	3.54	.16	.15	10.05	9.45	15.59	14.65
2004	2.60	2.37	.11	.10	5.20	4.75	.28	.25	12.85	R11.74	21.04	19.22
2005	3.35	2.97	.15	.13	5.53	R4.89	.60	.53	18.56	R16.42	28.18	R24.94
2006	3.52	R3.02	.13	.11	R4.94	R4.24	.85	.73	R27.32	R23.44	R36.77	R31.54
2007	P4.16	P3.47	P.13	P.11	E5.62	E4.70	P.99	P.83	P32.13	P26.85	P43.03	P35.96

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

<sup>2</sup> See "Nominal Dollars" in Glossary.

<sup>3</sup> In chained (2000) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>4</sup> 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. E=Estimate. (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.

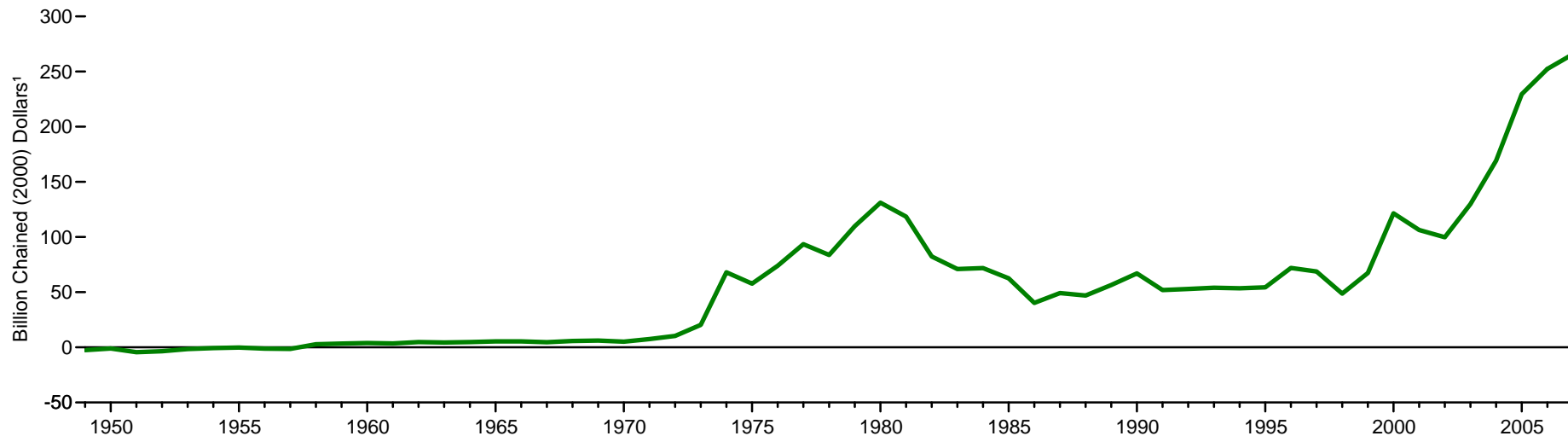
Web Page: For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

Sources: **Coal and Coal Coke:** Bureau of the Census, Foreign Trade Division, unpublished data.

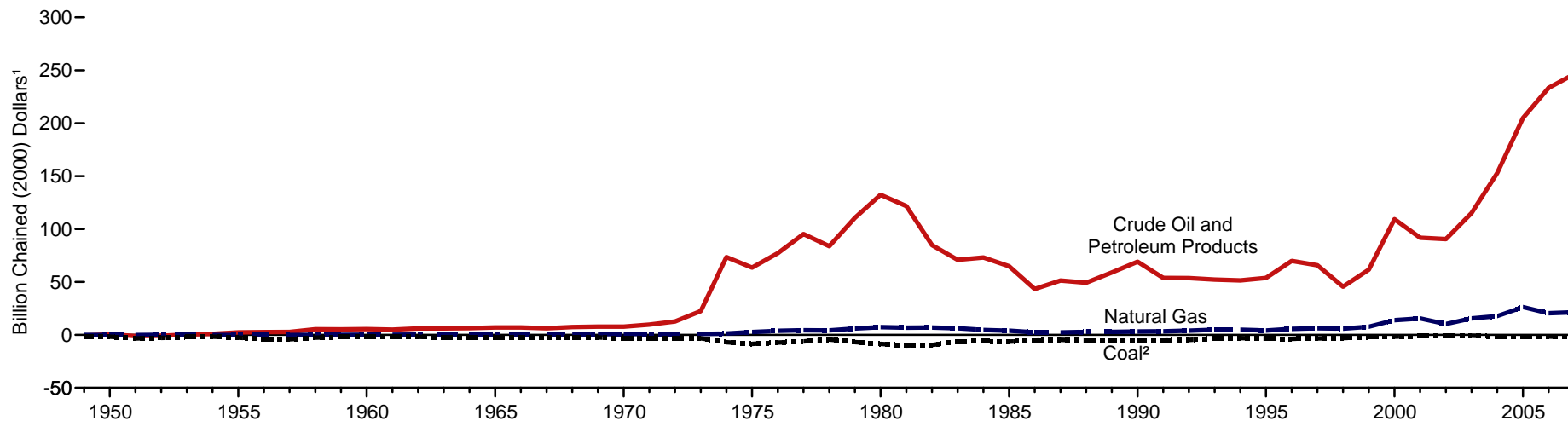
**Natural Gas:** • 1949-1971—Bureau of the Census, *U.S. Exports*, FT410. • 1972 and 1973—Federal Power Commission, *Pipeline Imports and Exports of Natural Gas - Imports and Exports of LNG*. • 1974-1977—Federal Power Commission, *United States Imports and Exports of Natural Gas*, annual reports. • 1978-1981—Energy Information Administration (EIA), *U.S. Imports and Exports of Natural Gas*, annual reports. • 1982-2005—EIA, *Natural Gas Monthly (NGM)*, monthly reports. • 2006—EIA, *NGM* (March 2008), Table 4. • 2007—EIA estimate. **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 3.9 Value of Fossil Fuel Net Imports, 1949-2007**

**Value of Fossil Fuel Net Imports**



**Value of Fossil Fuel Net Imports by Fuel**



<sup>1</sup> Calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>2</sup> Includes small amounts of coal coke.

Note: Negative imports indicate that the value of exports is greater than the value of imports. Source: Table 3.9.

**Table 3.9 Value of Fossil Fuel Net Imports, Selected Years, 1949-2007**

(Billion Dollars)

Year	Coal		Coal Coke		Natural Gas		Crude Oil		Petroleum Products <sup>1</sup>		Total	
	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>	Nominal <sup>2</sup>	Real <sup>3</sup>
1949	-0.29	-1.80	(s)	-0.03	(s)	-0.01	0.21	1.26	-0.32	-1.98	-0.42	-2.56
1950	-.27	-1.61	(s)	-.01	(s)	-.02	.27	1.61	-.18	-1.09	-.18	-1.11
1955	-.48	-2.57	-.01	-.04	-.01	-.03	.62	3.29	-.16	-.84	-.04	-.19
1960	-.35	-1.67	-.01	-.03	.02	.12	.89	4.22	.26	1.26	.82	3.89
1965	-.48	-2.11	-.01	-.07	.10	.44	1.11	4.95	.48	2.15	1.21	5.36
1970	-.96	-3.49	-.08	-.27	.23	.83	1.24	4.51	.98	3.56	1.41	5.14
1971	-.90	-3.11	-.04	-.14	.27	.95	1.68	5.82	1.15	3.99	2.17	7.50
1972	-.98	-3.26	-.03	-.09	.28	.91	2.37	7.85	1.50	4.97	3.13	10.39
1973	-1.01	-3.18	.01	.02	.32	1.01	4.24	13.31	2.93	9.19	6.48	20.34
1974	-2.38	-6.85	.15	.43	.48	1.37	15.24	43.89	10.14	29.20	23.63	68.04
1975	-3.24	-8.52	.08	.22	1.06	2.79	18.29	48.13	5.76	15.16	21.96	57.78
1976	-2.89	-7.20	.04	.11	1.56	3.88	25.43	63.26	5.58	13.89	29.72	73.94
1977	-2.62	-6.12	.06	.14	1.89	4.43	33.38	78.08	7.28	17.03	40.00	93.56
1978	-1.98	-4.32	.36	.79	1.95	4.26	31.91	69.73	6.07	13.27	38.31	83.73
1979	-3.35	-6.75	.26	.52	3.00	6.05	45.66	92.16	8.87	17.89	54.44	109.88
1980	-4.60	-8.51	-.08	-.14	3.98	7.37	61.15	113.15	10.42	19.28	70.88	131.15
1981	-5.89	-9.96	-.03	-.05	4.06	6.87	60.88	102.98	11.06	18.71	70.09	118.55
1982	-5.97	-9.52	-.05	-.08	4.39	7.00	45.25	72.15	8.00	12.76	51.63	82.31
1983	-4.01	-6.16	-.04	-.07	4.11	6.30	36.27	55.62	9.96	15.28	46.28	70.98
1984	-4.09	-6.04	-.02	-.03	3.17	4.68	36.26	53.59	13.25	19.58	48.57	71.79
1985	-4.39	-6.30	-.03	-.05	2.79	4.00	32.68	46.87	12.57	18.03	43.60	62.55
1986	-3.85	-5.40	-.04	-.06	1.65	2.32	22.49	31.57	8.42	11.81	28.67	40.23
1987	-3.35	-4.58	.01	.01	1.76	2.41	29.00	39.63	8.57	11.71	36.00	49.18
1988	-3.95	-5.22	.12	.15	2.18	2.88	27.47	36.29	9.71	12.83	35.53	46.93
1989	-4.19	-5.33	.14	.17	2.24	2.85	35.32	44.97	10.85	13.81	44.35	56.46
1990	-4.42	-5.41	.02	.03	2.71	3.32	43.65	53.50	12.67	15.53	54.63	66.96
1991	-4.51	-5.34	.04	.05	2.90	3.43	36.87	43.66	8.52	10.09	43.82	51.90
1992	-4.11	-4.76	.10	.11	3.47	4.02	38.52	44.59	7.72	8.93	45.70	52.90
1993	-2.83	-3.21	.11	.12	4.41	4.99	38.45	43.50	7.59	8.59	47.72	54.00
1994	-2.58	-2.86	.23	.26	4.50	4.98	38.43	42.58	7.78	8.62	48.37	53.58
1995	-3.24	-3.52	.27	.30	3.86	4.19	42.81	46.48	6.39	6.94	50.09	54.38
1996	-3.41	-3.64	.18	.19	5.33	5.68	54.37	57.93	11.01	11.74	67.49	71.91
1997	-3.13	-3.28	.20	.21	6.02	6.31	53.19	55.74	<sup>4</sup> 9.37	<sup>4</sup> 9.82	65.65	68.80
1998	-2.75	-2.86	.25	.26	5.82	6.03	36.36	37.69	7.33	7.60	47.00	48.72
1999	-1.85	-1.90	.20	.20	7.61	7.77	50.12	51.21	9.94	10.15	66.00	67.44
2000	-1.66	-1.66	.20	.20	13.94	13.94	89.41	89.41	19.65	19.65	121.53	121.53
2001	-1.13	-1.10	.08	.08	16.05	15.68	74.11	72.37	19.77	19.31	108.89	106.34
2002	-1.00	-.96	.18	.17	10.85	10.41	79.16	75.98	14.87	14.27	104.06	99.87
2003	-.76	-.71	.17	.16	16.62	15.62	101.64	95.52	20.59	19.35	138.26	129.93
2004	-1.57	-1.44	1.12	1.03	19.54	<sup>R</sup> 17.85	135.75	<sup>R</sup> 124.02	30.38	<sup>R</sup> 27.76	185.23	<sup>R</sup> 169.22
2005	-1.93	-1.71	.63	.56	29.72	<sup>R</sup> 26.30	182.35	<sup>R</sup> 161.37	48.56	<sup>R</sup> 42.98	259.34	<sup>R</sup> 229.50
2006	-1.74	<sup>R</sup> -1.49	.51	.44	<sup>R</sup> 23.86	<sup>R</sup> 20.47	<sup>R</sup> 224.30	<sup>R</sup> 192.42	<sup>R</sup> 47.24	<sup>R</sup> 40.53	<sup>R</sup> 294.17	<sup>R</sup> 252.36
2007	<sup>P</sup> -2.42	<sup>P</sup> -2.03	<sup>P</sup> .35	<sup>P</sup> .29	<sup>E</sup> 25.70	<sup>E</sup> 21.48	<sup>P</sup> 244.78	<sup>P</sup> 204.56	<sup>P</sup> 49.77	<sup>P</sup> 41.59	<sup>P</sup> 318.18	<sup>P</sup> 265.89

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

<sup>2</sup> See "Nominal Dollars" in Glossary.

<sup>3</sup> In chained (2000) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

<sup>4</sup> 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. E=Estimate. (s)=Less than 0.005 billion.

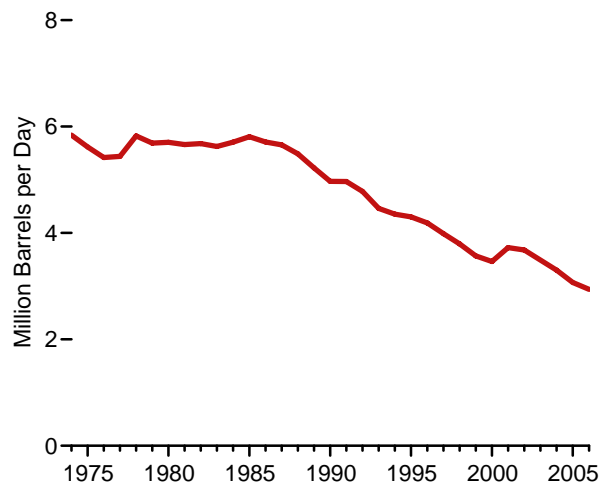
Notes: • Net imports equal imports minus exports. Minus sign indicates that the value of exports is greater than the value of imports. • Totals may not equal sum of components due to independent rounding. • Data on this table may not equal data on Table 3.7 minus data on Table 3.8 due to independent rounding.

Web Page: For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/finan.html>.

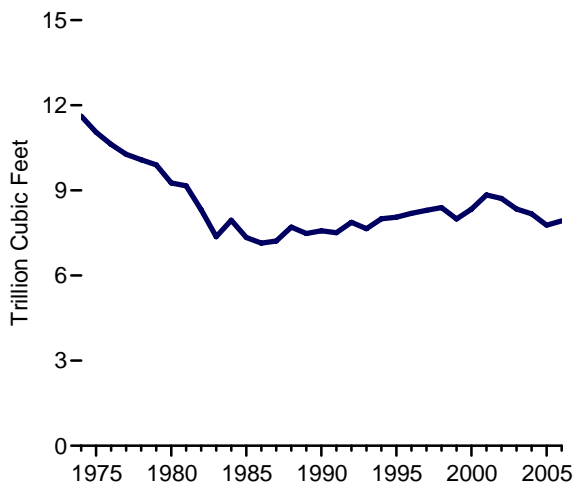
Sources: Tables 3.7 and 3.8.

**Figure 3.10 Major U.S. Energy Companies' Domestic Production and Refining**

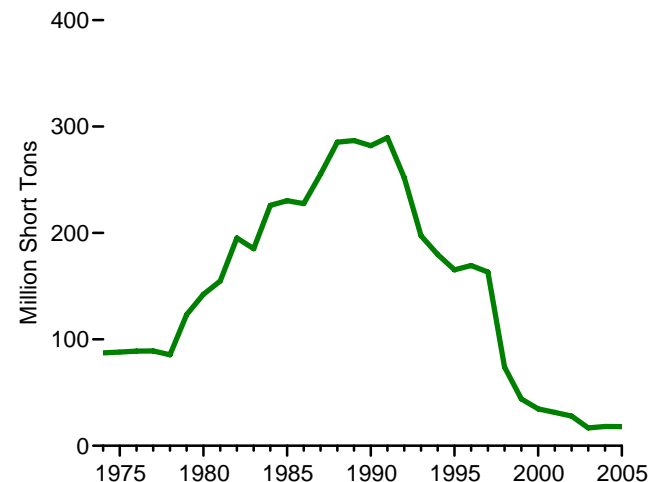
**Crude Oil and Natural Gas Liquids Production by Major Energy Companies, 1974-2006**



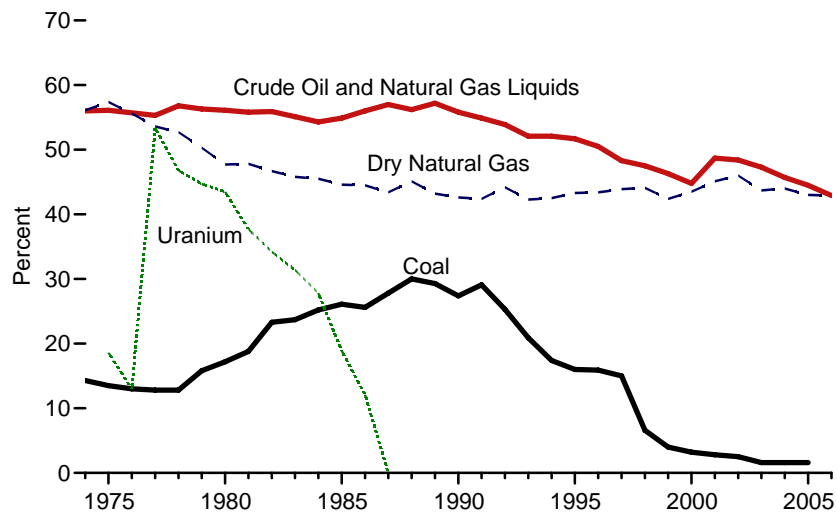
**Dry Natural Gas Production by Major Energy Companies, 1974-2006**



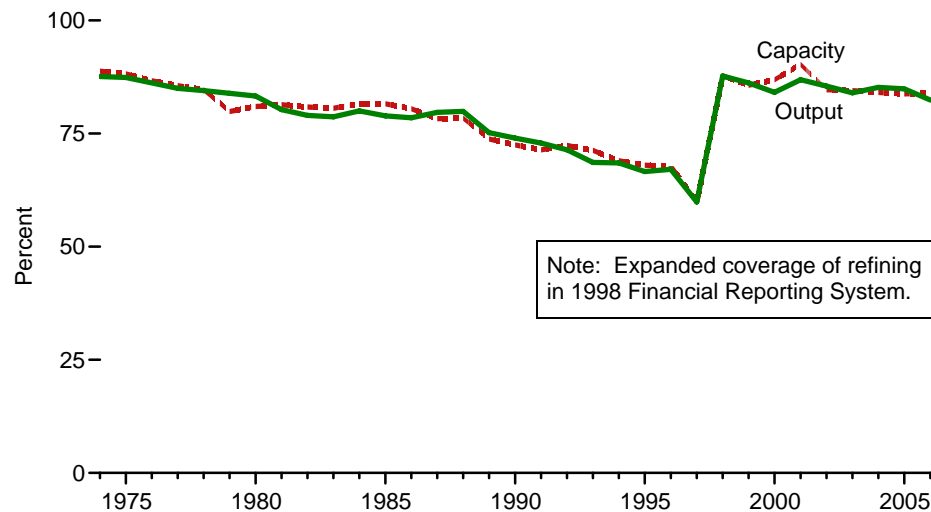
**Coal Production by Major Energy Companies, 1974-2005**



**Major Energy Companies' Shares of U.S. Total Production, 1974-2006**



**Major Energy Companies' Shares of U.S. Refining Capacity and Output, 1974-2006**



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 3.14. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.10.

**Table 3.10 Major U.S. Energy Companies' Domestic Production and Refining, 1974-2006**

Year	Production								Refining			
	Crude Oil and Natural Gas Liquids <sup>1</sup>		Dry Natural Gas <sup>1</sup>		Coal <sup>2</sup>		Uranium		Capacity <sup>3</sup>		Output <sup>4</sup>	
	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 <sup>5</sup>	Percent of U.S. Total <sup>6</sup>	Million Barrels per Day	Percent of U.S. Total <sup>7</sup>	Million Barrels per Day	Percent of U.S. Total <sup>7</sup>
1974	5.9	56.0	11.6	56.1	87.4	14.3	NA	NA	13.3	88.8	11.8	87.6
1975	5.6	56.1	11.0	57.4	88.1	13.5	4.3	18.6	13.4	88.2	12.0	87.4
1976	5.4	55.7	10.6	55.6	89.0	13.0	3.3	13.0	14.2	86.7	12.6	86.2
1977	5.5	55.3	10.3	53.6	89.1	12.8	16.0	53.4	14.6	85.6	13.5	85.0
1978	5.8	56.8	10.1	52.7	85.5	12.8	17.3	46.8	14.8	84.7	13.5	84.5
1979	5.7	56.3	9.9	50.3	123.3	15.8	16.7	44.7	14.4	79.9	13.2	83.9
1980	5.7	56.1	9.3	47.7	142.3	17.2	19.0	43.5	15.1	81.0	12.2	83.3
1981	5.7	55.8	9.2	47.8	154.8	18.8	14.5	37.7	14.6	81.4	11.2	80.3
1982	5.7	55.9	8.3	46.7	195.2	23.3	9.2	34.2	13.6	80.9	10.6	79.0
1983	5.6	55.1	7.4	45.8	185.2	23.7	6.6	31.4	13.0	80.6	10.3	78.7
1984	5.7	54.3	7.9	45.5	226.0	25.2	4.1	27.8	12.8	81.6	10.9	80.0
1985	5.8	54.9	7.3	44.6	230.4	26.1	2.1	18.9	12.6	81.6	10.8	78.9
1986	5.7	56.0	7.1	44.5	227.6	25.6	1.6	12.1	12.5	80.5	11.4	78.5
1987	5.7	57.0	7.2	43.4	255.3	27.8	NA	NA	12.5	78.3	11.7	79.7
1988	5.5	56.2	7.7	45.1	285.3	30.0	NA	NA	12.3	78.4	12.0	79.9
1989	5.2	57.2	7.5	43.2	286.9	29.3	NA	NA	11.5	73.8	11.4	75.2
1990	5.0	55.8	7.6	42.6	282.0	27.4	NA	NA	11.4	72.5	11.3	74.0
1991	5.0	54.9	7.5	42.4	289.6	29.1	NA	NA	11.2	71.4	11.1	72.9
1992	4.8	53.9	7.9	44.2	251.9	25.3	.0	.0	11.0	72.4	11.0	71.4
1993	4.5	52.1	7.7	42.3	197.3	20.9	.0	.0	10.7	71.3	10.8	68.6
1994	4.4	52.1	8.0	42.5	179.7	17.4	.0	.0	10.6	69.0	10.8	68.5
1995	4.3	51.7	8.1	43.3	165.4	16.0	.0	.0	10.4	68.0	10.7	66.6
1996	4.2	50.5	8.2	43.4	169.4	15.9	.0	.0	10.5	67.8	11.0	67.1
1997	4.0	48.3	8.3	43.9	163.3	15.0	.0	.0	9.4	59.9	10.0	59.9
1998	3.8	47.5	8.4	44.1	73.9	6.6	.0	.0	<sup>8</sup> 14.3	<sup>8</sup> 87.8	<sup>8</sup> 14.9	<sup>8</sup> 87.7
1999	3.6	46.3	8.0	42.4	44.0	4.0	.0	.0	14.2	85.7	14.6	86.2
2000	3.5	44.8	8.3	43.5	34.6	3.2	.0	.0	14.4	86.9	14.5	84.1
2001	3.7	48.7	8.8	45.1	31.3	2.8	.0	.0	15.2	90.3	15.0	86.9
2002	3.7	48.4	8.7	46.0	27.8	2.5	.0	.0	14.2	84.7	14.8	85.5
2003	3.5	47.3	8.3	43.7	16.8	1.6	.0	.0	14.3	84.5	14.7	84.0
2004	3.3	45.7	8.2	44.0	18.1	1.6	.0	.0	14.4	84.1	15.2	85.2
2005	3.1	44.5	7.8	<sup>R</sup> 43.1	18.0	1.6	.0	.0	14.5	83.8	15.1	84.9
2006	2.9	43.1	7.9	42.9	NA	NA	.0	.0	14.7	84.0	14.8	82.4

<sup>1</sup> 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).

<sup>2</sup> Bituminous coal, subbituminous coal, and lignite.

<sup>3</sup> Operable capacity as of January 1 of the following year.

<sup>4</sup> Includes refinery output at own refineries for own account and at others' refineries for own account.

<sup>5</sup> Production of uranium oxide (U<sub>3</sub>O<sub>8</sub>). See "Uranium Oxide" in Glossary.

<sup>6</sup> Percent of U.S. total uranium concentrate production. See "Uranium Concentrate" in Glossary.

<sup>7</sup> 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.

<sup>8</sup> There is a discontinuity in this time series between 1997 and 1998 due to the expanded coverage of

the FRS.

NA=Not available.

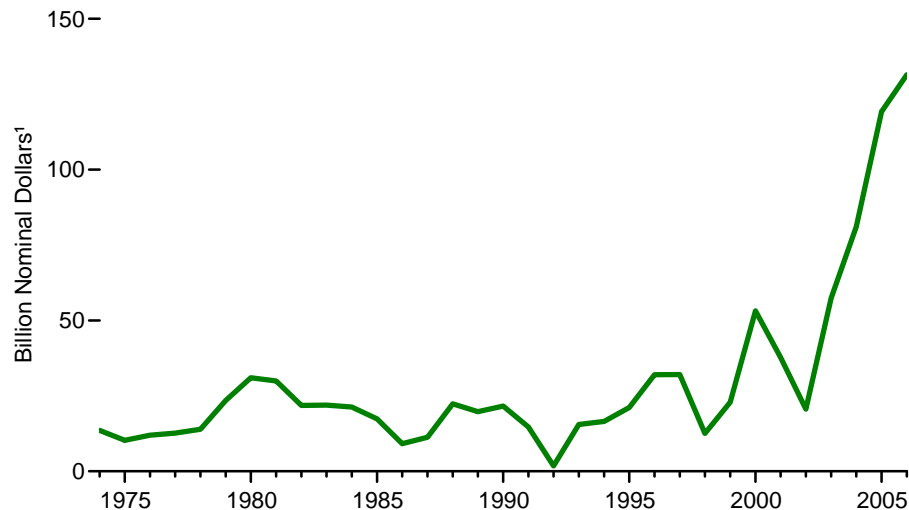
Note: "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the FRS. See Table 3.14.

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

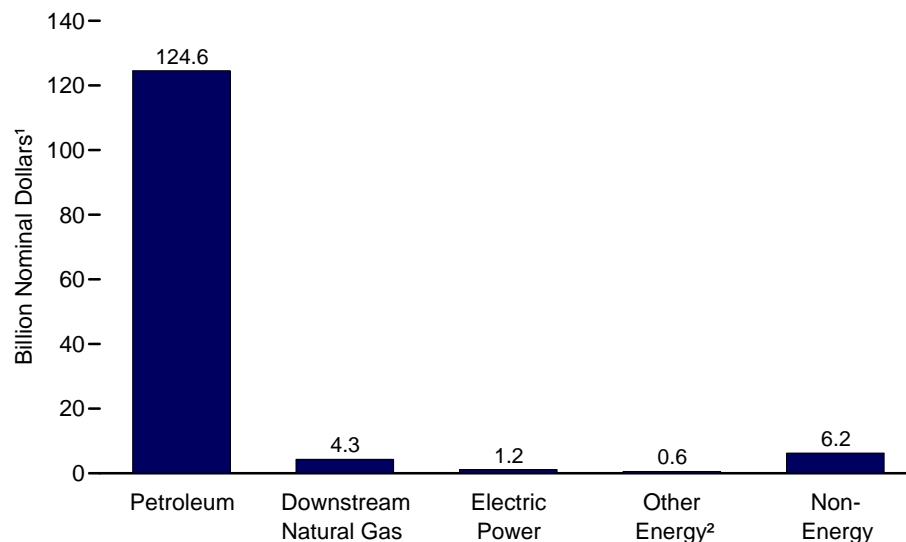
Sources: **Production and Refining:** • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1998. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports. **Percent of U.S. Total:** Tables 5.1, 5.8, 5.9, 6.1, 7.1,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

**Figure 3.11 Major U.S. Energy Companies' Net Income**

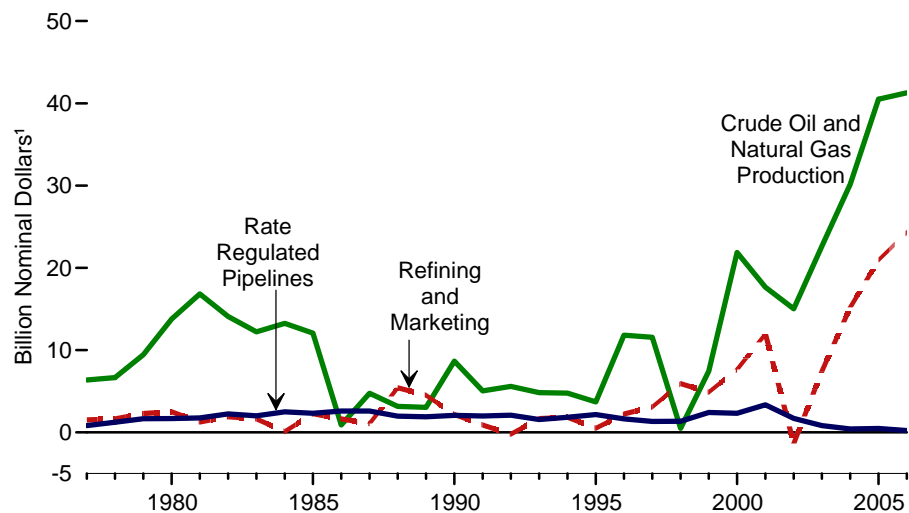
**Total, 1974-2006**



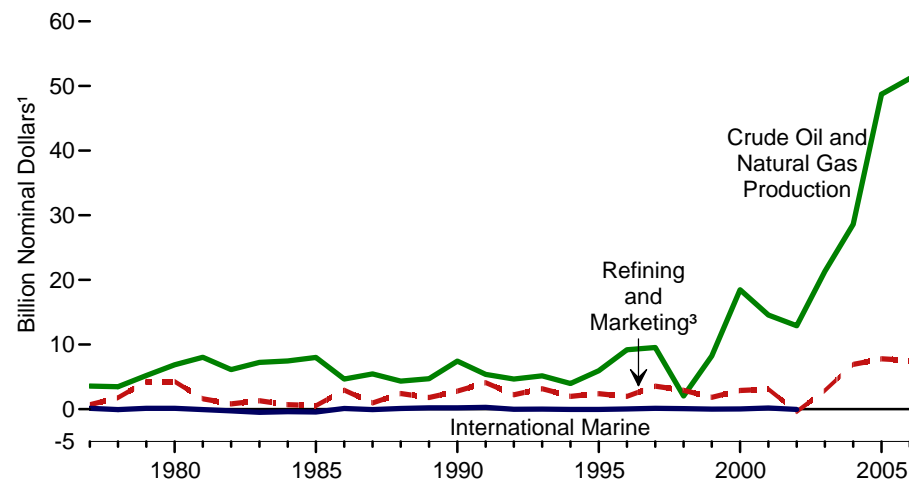
**Total by Type of Business, 2006**



**U.S. Petroleum, 1977-2006**



**Foreign Petroleum, 1977-2006**



<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Coal, nuclear, renewable fuels, and nonconventional energy.

<sup>3</sup> Beginning in 2003, includes International Marine.

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 3.14. • Because vertical scales differ, graphs should not be compared. Source: Table 3.11.

**Table 3.11 Major U.S. Energy Companies' Net Income, 1974-2006**  
(Billion Nominal Dollars <sup>1</sup>)

Year	Petroleum <sup>2</sup>									Downstream Natural Gas <sup>2,3</sup>	Electric Power	Coal	Other Energy <sup>4</sup>	Non-Energy	Total <sup>5</sup>
	United States				Foreign				Total Petroleum						
	Crude Oil and Natural Gas Production	Refining and Marketing	Rate Regulated Pipelines	Total	Crude Oil and Natural Gas Production	Refining and Marketing	International Marine	Total							
1974	NA	NA	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	NA	NA	10.3
1976	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.0
1977	6.4	1.5	.8	8.6	3.6	.7	-.1	4.4	13.0	( <sup>6</sup> )	( <sup>7</sup> )	.2	(s)	1.7	12.7
1978	6.7	1.6	1.2	9.5	3.5	1.8	-.1	5.2	14.7	( <sup>6</sup> )	( <sup>7</sup> )	.1	-.1	1.8	13.9
1979	9.4	2.3	1.7	13.4	5.2	4.3	-.1	9.7	23.0	( <sup>6</sup> )	( <sup>7</sup> )	.3	-.1	2.8	23.5
1980	13.8	2.5	1.7	17.9	6.9	4.3	-.1	11.2	29.1	( <sup>6</sup> )	( <sup>7</sup> )	.3	(s)	2.3	31.0
1981	16.8	1.3	1.8	19.9	8.0	1.6	-.1	9.6	29.5	( <sup>6</sup> )	( <sup>7</sup> )	.4	-.3	1.6	30.0
1982	14.1	1.9	2.3	18.3	6.1	.8	-.3	6.7	25.0	( <sup>6</sup> )	( <sup>7</sup> )	.4	-.3	.4	21.8
1983	12.2	1.6	2.0	15.9	7.2	1.3	-.5	8.2	24.0	( <sup>6</sup> )	( <sup>7</sup> )	.5	(s)	1.8	21.9
1984	13.3	.1	2.5	15.8	7.5	.7	-.4	7.8	23.6	( <sup>6</sup> )	( <sup>7</sup> )	.6	-.1	2.9	21.3
1985	12.1	2.3	2.3	16.7	8.0	.5	-.4	8.1	24.8	( <sup>6</sup> )	( <sup>7</sup> )	.4	-.3	2.5	17.4
1986	.9	1.6	2.6	5.2	4.7	2.9	.1	7.7	12.9	( <sup>6</sup> )	( <sup>7</sup> )	.2	(s)	2.8	9.2
1987	4.7	1.1	2.6	8.4	5.4	1.0	-.1	6.4	14.8	( <sup>6</sup> )	( <sup>7</sup> )	.4	(s)	7.1	11.3
1988	3.2	5.4	2.0	10.6	4.3	2.4	.1	6.9	17.5	( <sup>6</sup> )	( <sup>7</sup> )	.6	-.1	10.8	22.3
1989	3.1	4.5	1.9	9.5	4.7	1.8	.2	6.7	16.2	( <sup>6</sup> )	( <sup>7</sup> )	.4	-.1	8.7	19.8
1990	8.7	2.2	2.1	12.9	7.4	2.8	.2	10.5	23.4	( <sup>6</sup> )	( <sup>7</sup> )	.3	.1	4.3	21.6
1991	5.1	.9	2.0	7.9	5.4	4.1	.3	9.8	17.7	( <sup>6</sup> )	( <sup>7</sup> )	.6	.1	1.6	14.7
1992	5.6	-.2	2.1	7.5	4.7	2.2	(s)	6.9	14.4	( <sup>6</sup> )	( <sup>7</sup> )	-.5	.1	1.2	1.8
1993	4.8	1.7	1.6	8.1	5.2	3.2	(s)	8.4	16.5	( <sup>6</sup> )	( <sup>7</sup> )	.4	.1	2.7	15.5
1994	4.8	1.8	1.8	8.5	4.0	2.0	(s)	5.9	14.4	( <sup>6</sup> )	( <sup>7</sup> )	.2	.2	6.2	16.5
1995	3.7	.5	2.2	6.4	5.9	2.4	(s)	8.3	14.7	( <sup>6</sup> )	( <sup>7</sup> )	.3	.2	12.6	21.1
1996	11.8	2.3	1.6	15.7	9.2	2.0	(s)	11.2	26.9	( <sup>6</sup> )	( <sup>7</sup> )	.5	.2	8.0	32.0
1997	11.6	3.1	1.3	16.0	9.6	3.6	.1	13.3	29.3	( <sup>6</sup> )	( <sup>7</sup> )	.3	.3	6.3	32.1
1998	.5	5.9	1.4	7.8	2.0	2.9	.1	5.1	12.8	( <sup>6</sup> )	( <sup>7</sup> )	.5	.9	1.8	12.5
1999	7.4	4.9	2.4	14.8	8.2	1.9	(s)	10.1	24.8	( <sup>6</sup> )	( <sup>7</sup> )	.2	.7	2.8	22.9
2000	21.9	7.7	2.3	31.8	18.5	2.9	(s)	21.4	53.3	( <sup>6</sup> )	( <sup>7</sup> )	(s)	2.7	3.6	53.2
2001	17.6	12.0	3.3	32.9	14.6	3.1	.2	17.8	50.8	( <sup>6</sup> )	( <sup>7</sup> )	.1	2.0	-2.7	37.7
2002	15.0	-1.4	1.7	15.4	12.9	-.4	(s)	12.5	27.9	( <sup>6</sup> )	( <sup>7</sup> )	(s)	-1.5	1.8	20.6
2003	<sup>2</sup> 22.6	<sup>2</sup> 7.4	<sup>2</sup> .8	<sup>2</sup> 30.9	<sup>2</sup> 21.3	<sup>2</sup> 8.9	( <sup>8</sup> )	<sup>2</sup> 24.3	<sup>2</sup> 55.1	3.6	1.0	( <sup>7</sup> )	.1	.9	57.4
2004	30.1	15.2	.4	45.8	28.6	<sup>8</sup> 7.0	( <sup>8</sup> )	35.5	81.3	3.3	.6	( <sup>7</sup> )	1.1	4.2	81.1
2005	40.5	21.0	.5	61.9	48.7	<sup>8</sup> 7.8	( <sup>8</sup> )	56.5	118.5	2.2	.4	( <sup>7</sup> )	1.0	4.2	119.2
2006	41.3	24.3	.2	65.8	51.2	<sup>8</sup> 7.5	( <sup>8</sup> )	58.7	124.6	4.3	1.2	( <sup>7</sup> )	.6	6.2	131.5

<sup>1</sup> See "Nominal Dollars" in Glossary.

<sup>2</sup> Through 2002, natural gas operations are included in the "Petroleum" line of business. Beginning in 2003, downstream natural gas operations are included in their own line of business.

<sup>3</sup> "Downstream Natural Gas" is a line of business that begins with the procurement of natural gas, processes and gathers natural gas, produces natural gas liquids, imports liquefied natural gas, markets and trades natural gas and natural gas liquids, and delivers wholesale and retail volumes of natural gas and natural gas liquids.

<sup>4</sup> Through 2002, includes electric power, nuclear, renewable fuels, and nonconventional energy (including oil shale, tar sands, coal liquefaction and gasification, geothermal, and solar). Beginning in 2003, includes coal, nuclear, renewable fuels, and nonconventional energy.

<sup>5</sup> Total is sum of components shown, minus eliminations and nontraceables (see Notes).

<sup>6</sup> Included in "Petroleum."

<sup>7</sup> Included in "Other Energy."

<sup>8</sup> "International Marine" is included with "Foreign Refining and Marketing" to prevent disclosure.

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

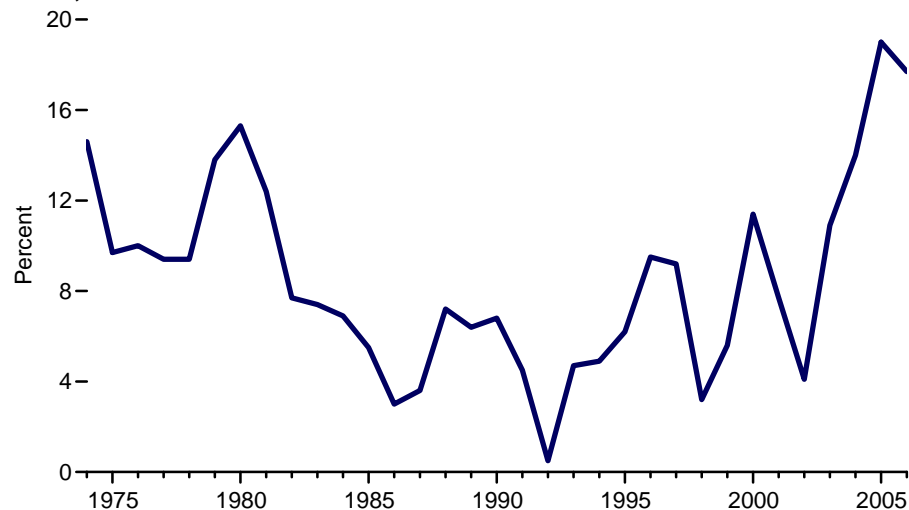
Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System. See Table 3.14. • "Net income" is operating income plus other income and extraordinary income less operating expenses, taxes, 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>.

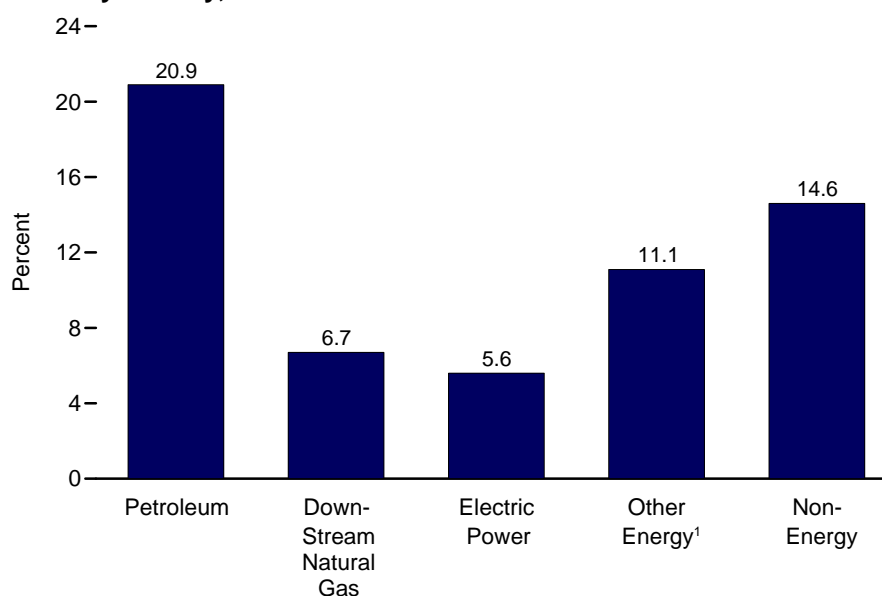
Sources: • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1997. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

**Figure 3.12 Major U.S. Energy Companies' Profitability**

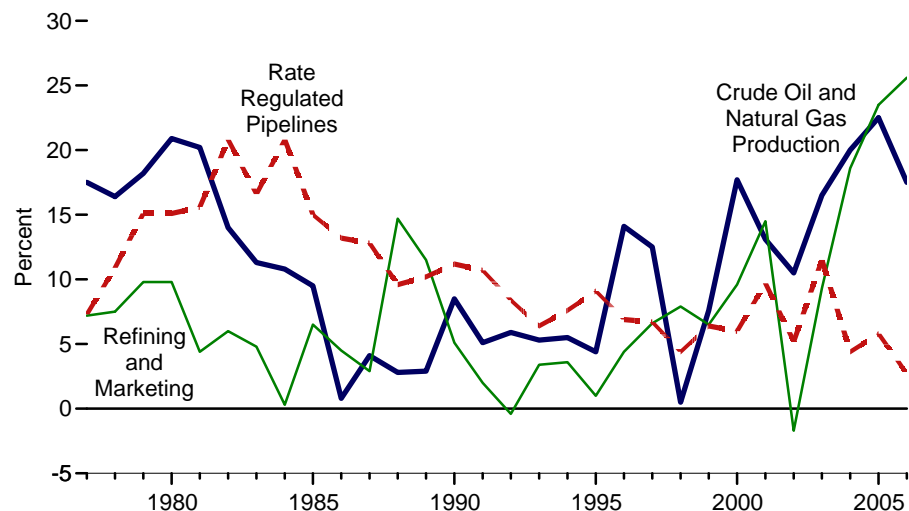
**Total, 1974-2006**



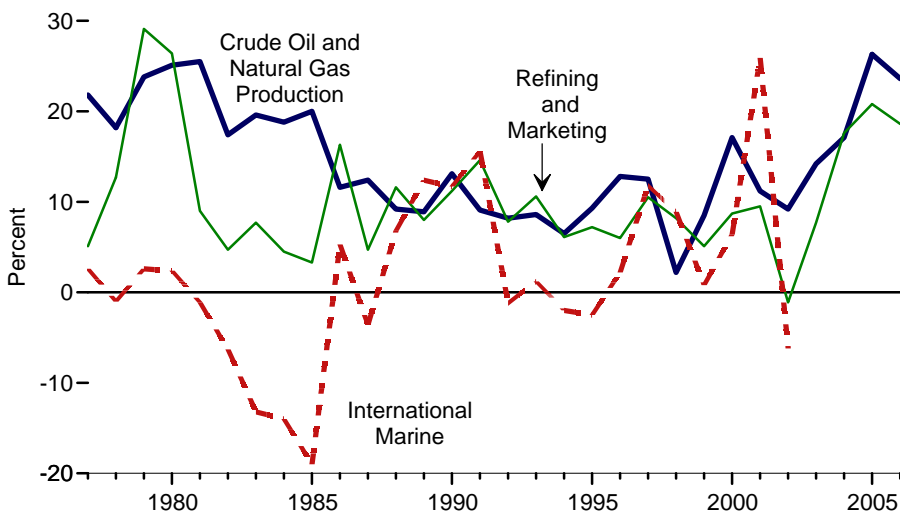
**Total by Activity, 2006**



**U.S. Petroleum, 1977-2006**



**Foreign Petroleum, 1977-2006**



<sup>1</sup> Coal, nuclear, renewable fuels, and nonconventional energy.

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

3.14. • Because vertical scales differ, graphs should not be compared.

Source: Table 3.12.



**Table 3.12 Major U.S. Energy Companies' Profitability, 1974-2006**

(Percent)

Year	Petroleum <sup>1</sup>									Downstream Natural Gas <sup>1,2</sup>	Electric Power	Coal	Other Energy <sup>3</sup>	Non-Energy	Total
	United States				Foreign				Total Petroleum						
	Crude Oil and Natural Gas Production	Refining and Marketing	Rate Regulated Pipelines	Total	Crude Oil and Natural Gas Production	Refining and Marketing	International Marine	Total							
1974	NA	NA	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	NA	NA	9.7
1976	NA	NA	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	5.6	-.7	5.9	15.3
1981	20.2	4.4	15.6	16.1	25.5	9.0	-1.1	17.7	16.6	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	4.4	-5.2	.6	7.7
1983	11.3	4.8	16.6	10.3	19.6	7.7	-13.2	14.1	11.3	( <sup>4</sup> )	( <sup>5</sup> )	5.0	.5	2.9	7.4
1984	10.8	.3	20.8	9.4	18.8	4.5	-14.0	13.3	10.4	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	4.6	-8.4	4.2	5.5
1986	.8	4.5	13.2	3.0	11.6	16.3	5.3	12.8	5.5	( <sup>4</sup> )	( <sup>5</sup> )	2.7	-.8	5.1	3.0
1987	4.1	2.9	12.8	4.9	12.4	4.7	-3.6	9.5	6.2	( <sup>4</sup> )	( <sup>5</sup> )	5.1	.5	12.2	3.6
1988	2.8	14.7	9.6	6.3	9.2	11.6	6.8	9.9	7.3	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	8.7	2.8	2.9	4.5
1992	5.9	-.4	8.4	4.4	8.2	7.8	-1.2	7.9	5.6	( <sup>4</sup> )	( <sup>5</sup> )	-9.3	1.8	2.1	.5
1993	5.3	3.4	6.4	4.9	8.6	10.6	1.2	9.2	6.4	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	7.2	7.0	10.9	9.2
1998	.5	7.9	4.4	3.8	2.2	8.2	8.9	4.0	3.9	( <sup>4</sup> )	( <sup>5</sup> )	26.4	13.2	4.5	3.2
1999	7.6	6.5	6.4	7.0	8.5	5.1	.8	7.6	7.2	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	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	( <sup>4</sup> )	( <sup>5</sup> )	9.0	9.0	-6.6	7.7
2002	10.5	-1.7	5.2	6.0	9.2	-1.1	-6.2	7.2	6.5	( <sup>4</sup> )	( <sup>5</sup> )	-8.5	-6.8	4.7	4.1
2003	<sup>1</sup> 16.5	<sup>1</sup> 9.3	<sup>1</sup> 11.5	<sup>1</sup> 13.7	<sup>1</sup> 14.2	<sup>1</sup> 7.7	W	<sup>1</sup> 13.0	<sup>1</sup> 13.4	8.8	5.2	( <sup>5</sup> )	2.8	2.4	10.9
2004	20.0	18.6	4.4	18.9	17.1	17.6	W	17.3	18.2	5.9	3.1	( <sup>5</sup> )	24.7	10.7	14.0
2005	22.5	23.5	5.8	<sup>R</sup> 22.4	26.3	20.8	W	25.5	23.7	4.0	1.7	( <sup>5</sup> )	22.2	<sup>R</sup> 11.6	19.0
2006	17.5	25.6	2.7	19.4	23.6	18.6	W	22.8	20.9	6.7	5.6	( <sup>5</sup> )	11.1	14.6	17.7

<sup>1</sup> Through 2002, natural gas operations are included in the "Petroleum" line of business. Beginning in 2003, downstream natural gas operations are included in their own line of business.

<sup>2</sup> "Downstream Natural Gas" is a line of business that begins with the procurement of natural gas, processes and gathers natural gas, produces natural gas liquids, imports liquefied natural gas, markets and trades natural gas and natural gas liquids, and delivers wholesale and retail volumes of natural gas and natural gas liquids.

<sup>3</sup> Through 2002, includes electric power, nuclear, renewable fuels, and nonconventional energy (including oil shale, tar sands, coal liquefaction and gasification, geothermal, and solar). Beginning in 2003, includes coal, nuclear, renewable fuels, and nonconventional energy.

<sup>4</sup> Included in "Petroleum."

<sup>5</sup> Included in "Other Energy."

R=Revised. NA=Not available. W=Value withheld to avoid disclosure of individual company data.

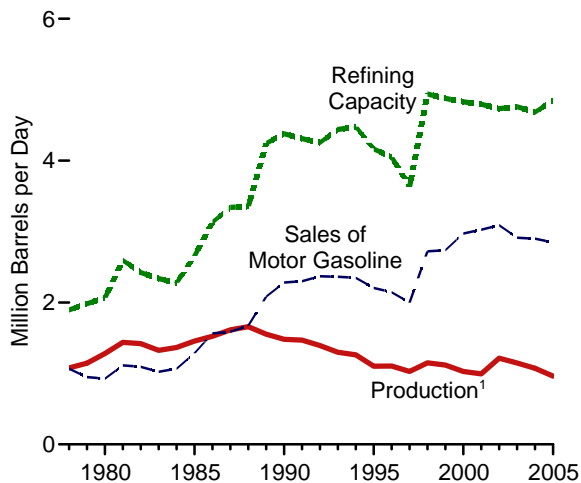
Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System. See Table 3.14. • Data are for return on investment, measured as net income divided by net investment in place. "Net income" 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>.

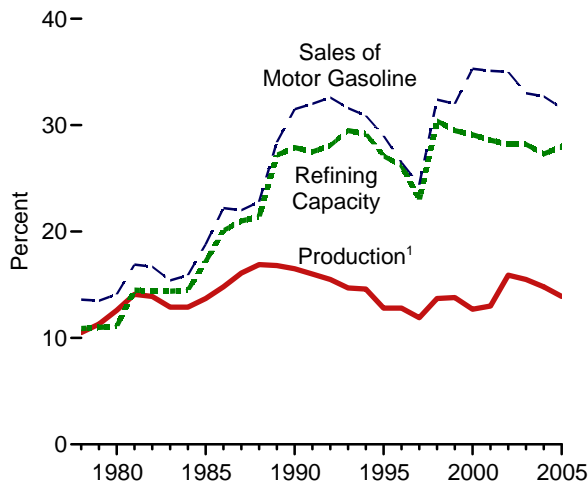
Sources: • 1974-1976—Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, October 1996. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

**Figure 3.13 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2005**

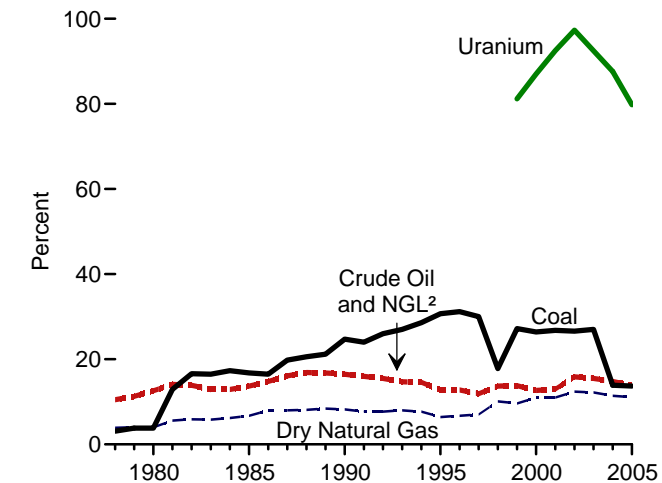
**Petroleum Activities**



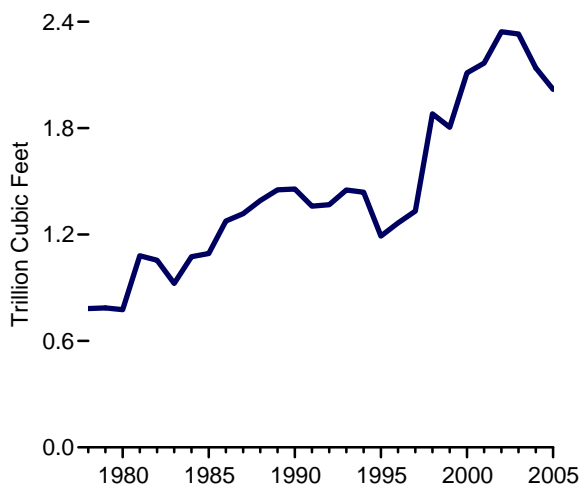
**Petroleum Activities Share of U.S. Total**



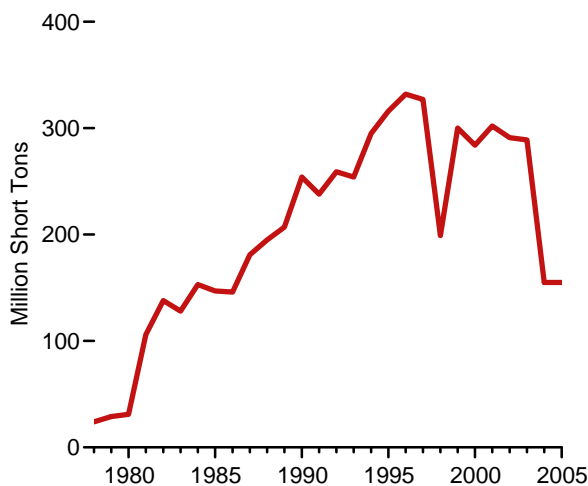
**Share of U.S. Total Production by Fuel Type**



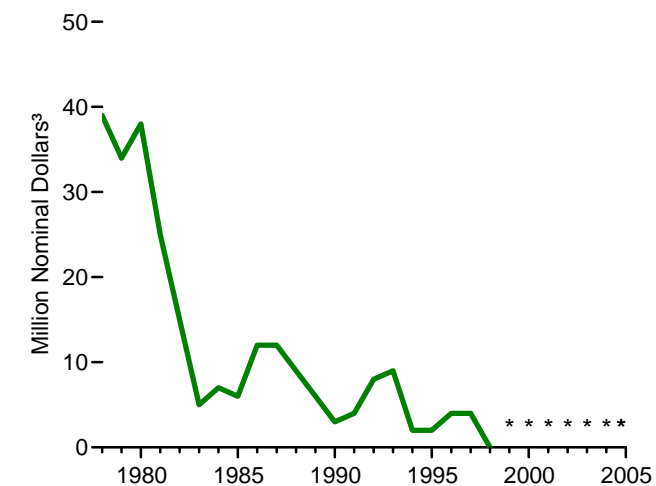
**Dry Natural Gas Production**



**Coal Production**



**Expenditures for Exploration and Development of Uranium**



<sup>1</sup> Crude oil and natural gas liquids.

<sup>2</sup> Natural gas liquids.

<sup>3</sup> See "Nominal Dollars" in Glossary.

\* 1999-2002 uranium values are withheld to avoid disclosure of individual company data; 2003-2005 values are not available.

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

Source: Table 3.13.

**Table 3.13 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2005**

Year	Production								Refining Capacity <sup>1</sup>		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 <sup>2</sup>	Percent of U.S. Total <sup>3</sup>	Thousand Barrels per Day	Percent of U.S. Total	Thousand Barrels per Day	Percent of U.S. Total	Million Nominal Dollars <sup>4</sup>	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	<sup>5</sup> 3,745	<sup>5</sup> 81.2	4,877	29.5	2,737	32.0	W	W
2000	1,027	12.7	2,112	11.0	284	26.4	3,443	87.0	4,831	29.1	2,971	35.3	W	W
2001	994	13.0	2,167	11.0	302	26.8	2,440	92.5	4,797	28.6	3,027	35.1	W	W
2002	1,214	15.9	2,344	12.4	291	26.6	2,280	97.3	4,733	28.2	3,090	35.0	W	W
2003	1,147	15.5	2,331	12.2	289	27.0	2,024	<sup>6</sup> NM	4,761	28.2	2,914	33.0	NA	NA
2004	1,073	14.8	2,140	<sup>R</sup> 11.4	155	13.9	2,000	87.6	4,683	27.3	2,900	32.7	NA	NA
2005	962	13.9	2,019	11.1	155	13.7	2,147	79.8	4,848	28.0	2,845	31.6	NA	NA

<sup>1</sup> Operable capacity as of January 1 of the following year.

<sup>2</sup> Production of uranium oxide (U<sub>3</sub>O<sub>8</sub>). See "Uranium Oxide" in Glossary.

<sup>3</sup> Percent of U.S. total uranium concentrate production. See "Uranium Concentrate" in Glossary.

<sup>4</sup> See "Nominal Dollars" in Glossary.

<sup>5</sup> Includes a small amount produced by a U.S. company, which left the industry by the close of 1999.

<sup>6</sup> Total U.S. uranium production is slightly below that of the foreign-affiliated companies shown in this table. The U.S. data were rounded to avoid disclosure of individual company data.

R=Revised. NA=Not available. NM=Not meaningful. (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/emew/finance>.

Sources: • 1978—U.S. Department of Energy, *Secretary's Annual Report to Congress*, (September 1983). • 1979-1992—Energy Information Administration (EIA), *Profiles of Foreign Direct Investment in U.S. Energy*, annual reports. • 1993-1996—EIA, *Performance Profiles of Major Energy Producers*, annual reports. • 1997 forward—EIA, *Foreign Direct Investment in U.S. Energy*, annual reports.

**Table 3.14 Companies Reporting to the Financial Reporting System, 1974-2006**

Company	1974-81	1982	1983-84	1985-86	1987	1988	1989-90	1991	1992-93	1994-96	1997	1998	1999	2000	2001	2002	2003-06
Amerada Hess Corporation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
American Petrofina, Inc. <sup>1</sup>	X	X	X	X	X	X	X										
Anadarko Petroleum Corporation <sup>2</sup>								X	X	X	X	X	X	X	X	X	X
Apache Corporation														X	X	X	X
Ashland Inc. <sup>3</sup>	X	X	X	X	X	X	X	X	X	X	X						
Atlantic Richfield Co. (ARCO) <sup>4</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X				
BP America, Inc. <sup>5,6</sup>					X	X	X	X	X	X	X	X	X			X	X
BP Amoco Corporation <sup>4,5,7</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Burlington Northern Inc. <sup>8</sup>	X	X	X	X	X												
Burlington Resources Inc. <sup>8,9</sup>						X	X	X	X	X	X	X	X	X	X	X	X
Chesapeake Energy Corporation																	X
Chevron Corporation <sup>10,11,12,13</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Citgo Petroleum Corporation												X	X	X	X	X	X
Cities Service <sup>14</sup>	X	X															
ConocoPhillips, Inc. <sup>9,15,16,17</sup>	X											X	X	X	X	X	X
Devon Energy Corporation														X	X	X	X
Dominion Resources														X	X	X	X
E.I. du Pont de Nemours and Co. <sup>15,16</sup>		X	X	X	X	X	X	X	X	X	X						
El Paso Energy Corporation <sup>18</sup>													X	X	X	X	X
Enron Corporation									X	X	X	X	X	X	X	X	X
EOG Resources, Inc.														X	X	X	X
Equilon Enterprises, LLC <sup>19</sup>												X	X	X	X		
Equitable Resources, Inc.																	X
Exxon Mobil Corporation <sup>20</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Getty Oil <sup>21</sup>	X	X	X														
Gulf Oil <sup>11</sup>	X	X	X														
Kerr-McGee Corporation <sup>2,22</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LYONDELL-CITGO Refining, LP <sup>23</sup>												X	X	X	X	X	X
Marathon Oil Corporation <sup>24</sup>	X															X	X
Mobil Corporation <sup>20,25</sup>	X	X	X	X	X	X	X	X	X	X	X	X					
Motiva Enterprises, LLC <sup>26</sup>												X	X	X	X	X	X
Nerco, Inc. <sup>27</sup>									X								
Occidental Petroleum Corporation <sup>14</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Oryx Energy Company <sup>22,28</sup>						X	X	X	X	X	X						
Phillips Petroleum Company <sup>17,29</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Premcor, Inc. <sup>30,31</sup>												X	X	X	X	X	X
Shell Oil Company	X	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) <sup>6</sup>	X	X	X	X													
Sunoco, Inc. <sup>28,32</sup>	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
Superior Oil <sup>25</sup>	X	X	X														
Tenneco Inc. <sup>33</sup>	X	X	X	X	X	X											
Tesoro Petroleum Corporation												X	X	X	X	X	X
Texaco Inc. <sup>12,21</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
The Coastal Corporation <sup>18</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X				
The Williams Companies, Inc.												X	X	X	X	X	X
Tosco Corporation <sup>29</sup>												X	X	X	X		
Total Holdings, USA, Inc. <sup>1,34,35</sup>								X	X	X	X	X	X	X	X	X	X
Total Petroleum (North America) Ltd. <sup>36</sup>							X	X									
Ultramar Diamond Shamrock Corporation <sup>37</sup>												X	X	X	X		
Union Pacific Resources Group, Inc. <sup>38,39</sup>	X	X	X	X	X	X	X	X	X	X	X	X	X				
Unocal Corporation <sup>13</sup>	X	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		
Valero Energy Corporation <sup>31,37</sup>												X	X	X	X	X	X
XTO Energy, Inc.																X	X

Footnotes: See the following two pages.

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 3.14

<sup>1</sup>American Petrofina, Inc. changed its name to Fina, Inc., effective April 17, 1991.

<sup>2</sup>Kerr-McGee merged with Anadarko on August 10, 2006. Anadarko's 2005 submission includes data for Kerr-McGee after August 10, 2006. Data for Kerr-McGee were submitted separately for the period from January 1, 2005, to August 10, 2006.

<sup>3</sup>Ashland was dropped from the FRS system for 1998 after spinning off downstream and coal operations and disposing of upstream operations.

<sup>4</sup>BP 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.

<sup>5</sup>Amoco 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.

<sup>6</sup>In 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.

<sup>7</sup>Formerly Standard Oil Company (Indiana).

<sup>8</sup>Burlington Resources was added to the FRS system and Burlington Northern was dropped for 1988. Data for Burlington Resources cover the full year 1988 even though that company was not created until May of that year.

<sup>9</sup>Burlington Resources merged with ConocoPhillips on March 30, 2006. ConocoPhillips' 2006 submission includes data for Burlington Resources after March 30, 2006. Data for Burlington Resources were submitted separately for the period from January 1, 2006, to March 30, 2006.

<sup>10</sup>Formerly Standard Oil Company of California.

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

<sup>12</sup>In October 2000, Chevron and Texaco agreed to merge. Both companies reported separately for 2000. In May 2005, Chevron Texaco renamed itself Chevron.

<sup>13</sup>Unocal merged with Chevron on August 10, 2005. Chevron's 2005 submission includes data for Unocal after August 10, 2005. Data for Unocal were submitted separately for the period from January 1, 2005, to August 10, 2005.

<sup>14</sup>Occidental acquired Cities Service in 1982. Separate financial reports were available for 1982, so each company continued to be treated separately until 1983.

<sup>15</sup>DuPont acquired Conoco in 1981. Separate data for Conoco were available for 1981; DuPont was included in the FRS system in 1982.

<sup>16</sup>Dupont was dropped from the FRS system when Conoco was spun-off in 1998. Conoco began reporting separately again in 1998.

<sup>17</sup>In November 2001, Phillips and Conoco agreed to merge forming ConocoPhillips in 2002. Both companies reported separately in 2001. The companies reported separately in 2002 until the time of the merger.

<sup>18</sup>In 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.

<sup>19</sup>Equilon 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.

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

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

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

<sup>23</sup>LYONDELL-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.

<sup>24</sup>U.S. Steel (now USX) acquired Marathon in 1982.

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

<sup>26</sup>Motiva 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 interests, which are accounted for under the equity method.

<sup>27</sup>RTZ 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.

<sup>28</sup>Sun 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.

<sup>29</sup>In September 2001, Phillips acquired Tosco. Both companies reported separately in 2001.

<sup>30</sup>In May 2000, Clark Refining & Marketing changed its name to Premcor Refining Group. At a later date the name was changed to Premcor, Inc.

<sup>31</sup>Premcor merged with Valero on September 1, 2005. Valero's 2005 submission includes data for Premcor after September 1, 2005. Data for Premcor were submitted separately for the period from January 1, 2005, to September 1, 2005.

<sup>32</sup>Sun 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. In 1998 the company changed its name to Sunoco, Inc.

<sup>33</sup>Tenneco 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.

<sup>34</sup>Prior 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.

<sup>35</sup>In 2002, the name was changed to Total Fina Elf and changed to Total Holdings, USA in 2003.

<sup>36</sup>Effective June 1, 1991, Total's exploration, production, and marketing operations in Canada were spun off to Total Oil & Gas, a new public entity.

<sup>37</sup>In December 2001, Valero and Ultramar Diamond Shamrock agreed to merge. Both companies reported separately in 2001.

<sup>38</sup>Effective 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.

<sup>39</sup>Union 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 were not submitted for the period from January 1, 2000, to July 14, 2000.