

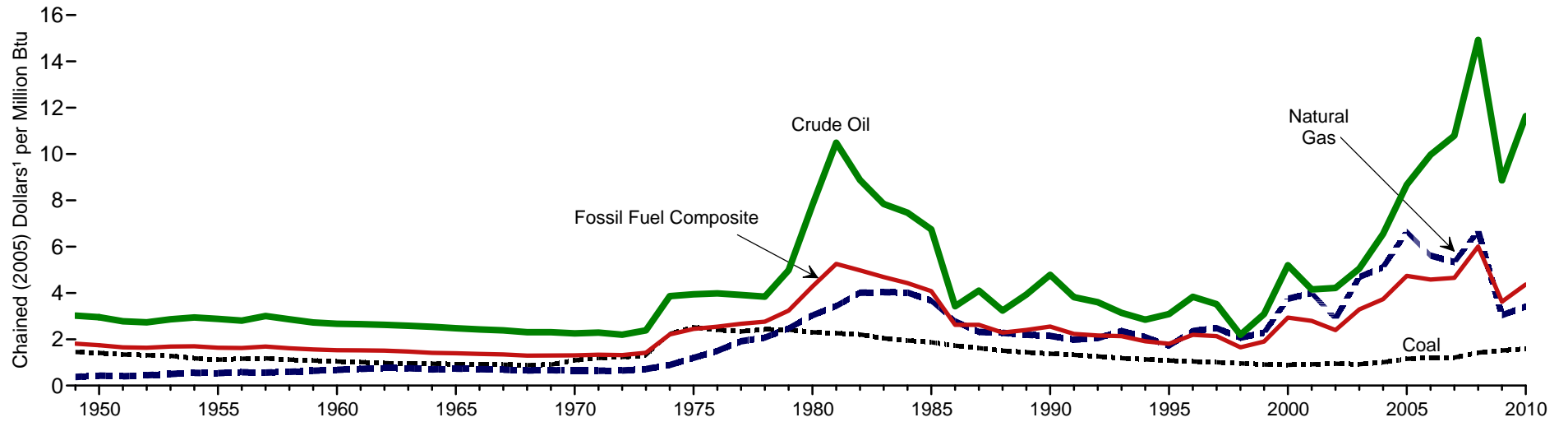
# 3. Financial Indicators

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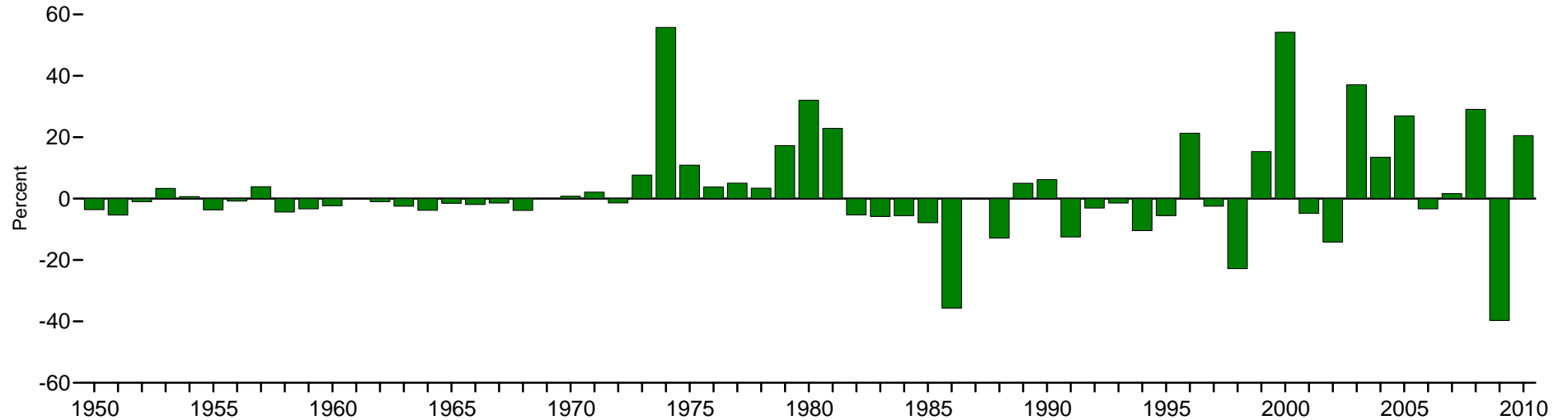


**Figure 3.1 Fossil Fuel Production Prices**

**Prices, 1949-2010**



**Fossil Fuel Composite Price², Change From Previous Year, 1950-2010**



<sup>1</sup> In chained (2005) dollars, 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, 1949-2010**  
(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	1.45	0.05	0.37	0.44	3.02	0.26	1.81	--
1950	.21	1.41	.06	.43	.43	2.96	.26	1.74	-3.6
1955	.19	1.12	.09	.54	.48	2.88	.27	1.64	-3.6
1960	.19	1.04	.13	.68	.50	2.67	.28	1.52	-2.3
1965	.18	.92	.15	.73	.49	2.48	.28	1.39	-1.5
1970	.27	1.09	.15	.63	.55	2.26	.32	1.31	.8
1975	.85	2.52	.40	1.20	1.32	3.94	.82	2.45	10.9
1976	.86	2.41	.53	1.50	1.41	3.98	.90	2.54	3.8
1977	.88	2.34	.72	1.92	1.48	3.91	1.01	2.67	5.1
1978	.98	2.43	.84	2.07	1.55	3.84	1.12	2.76	3.4
1979	1.06	2.42	1.08	2.47	2.18	4.98	1.42	3.24	17.3
1980	1.10	2.30	1.45	3.03	3.72	7.80	2.04	4.28	32.1
1981	1.18	2.27	1.80	3.44	5.48	10.49	2.75	5.26	22.9
1982	1.23	2.21	2.22	4.01	4.92	8.87	2.76	4.98	-5.3
1983	1.18	2.05	2.32	4.03	4.52	7.84	2.70	4.69	-5.8
1984	1.16	1.95	2.40	4.01	4.46	7.47	2.65	4.43	-5.6
1985	1.15	1.87	2.26	3.67	4.15	6.75	2.51	4.08	-7.8
1986	1.09	1.73	1.75	2.78	2.16	3.43	1.65	2.63	-35.6
1987	1.05	1.63	1.50	2.32	2.66	4.10	1.70	2.63	(s)
1988	1.01	1.51	1.52	2.28	2.17	3.24	1.53	2.29	-12.8
1989	1.00	1.44	1.53	2.20	2.73	3.93	1.67	2.40	5.0
1990	1.00	1.38	1.55	2.14	3.45	4.78	1.84	2.55	6.2
1991	.99	1.33	1.48	1.98	2.85	3.82	1.67	2.23	-12.5
1992	.97	1.27	1.57	2.05	2.76	3.60	1.66	2.17	-3.1
1993	.93	1.19	1.84	2.36	2.46	3.14	1.67	2.13	-1.4
1994	.91	1.14	1.67	2.10	2.27	2.85	1.53	1.91	-10.4
1995	.88	1.08	1.40	1.72	2.52	3.09	1.47	1.81	-5.5
1996	.87	1.04	1.96	2.36	3.18	3.83	1.82	2.19	21.3
1997	.85	1.01	2.10	2.48	2.97	3.51	1.81	2.14	-2.5
1998	.83	.97	1.77	2.07	1.87	2.19	1.41	1.65	-22.8
1999	.79	.91	1.98	2.28	2.68	3.09	1.65	1.90	15.4
2000	.80	.90	3.32	3.75	4.61	5.20	2.60	2.93	54.2
2001	.84	.92	3.62	3.99	3.77	4.15	2.53	2.79	-4.8
2002	.87	.94	2.67	2.90	3.88	4.21	2.21	2.40	-14.1
2003	.87	.93	4.41	4.69	4.75	5.05	3.09	3.29	37.1
2004	.98	1.01	4.95	5.11	6.34	6.55	3.61	3.73	13.5
2005	1.16	1.16	6.64	6.64	8.67	8.67	4.74	4.74	26.9
2006	1.24	1.20	5.79	5.61	10.29	9.97	4.73	4.58	-3.3
2007	1.29	1.21	5.66	5.33	11.47	<sup>R</sup> 10.79	4.95	<sup>R</sup> 4.65	<sup>R</sup> 1.6
2008	1.55	<sup>R</sup> 1.42	<sup>R</sup> 7.25	6.67	16.21	<sup>R</sup> 14.93	6.52	6.01	29.1
2009	<sup>R</sup> 1.67	<sup>R</sup> 1.52	<sup>R</sup> 3.33	<sup>R</sup> 3.04	9.72	8.86	3.97	3.62	<sup>R</sup> -39.7
2010 <sup>P</sup>	1.77	1.60	3.78	3.41	12.88	11.64	4.83	4.37	20.5

<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 (2005) 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.

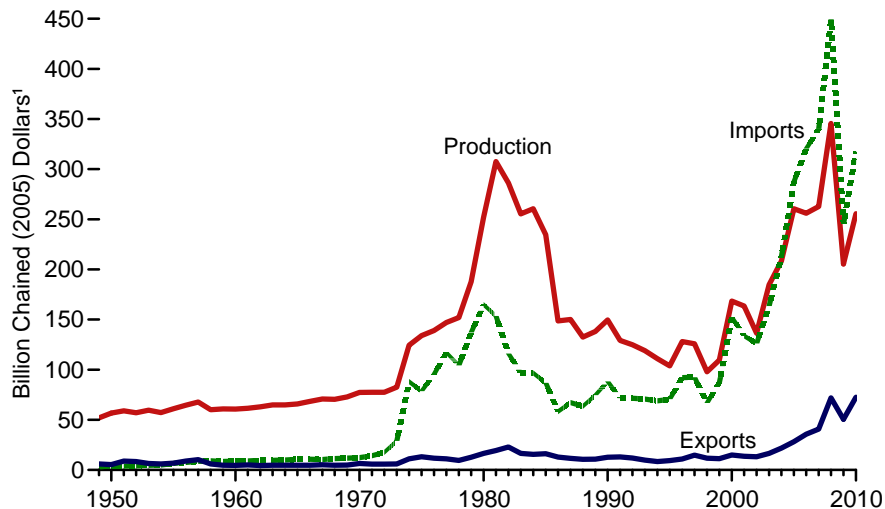
R=Revised. P=Preliminary. -- = Not applicable. (s)=Less than 0.05 percent and greater than -0.05 percent.

Web Page: For all data beginning in 1949, see <http://www.eia.gov/totalenergy/data/annual/#financial>.

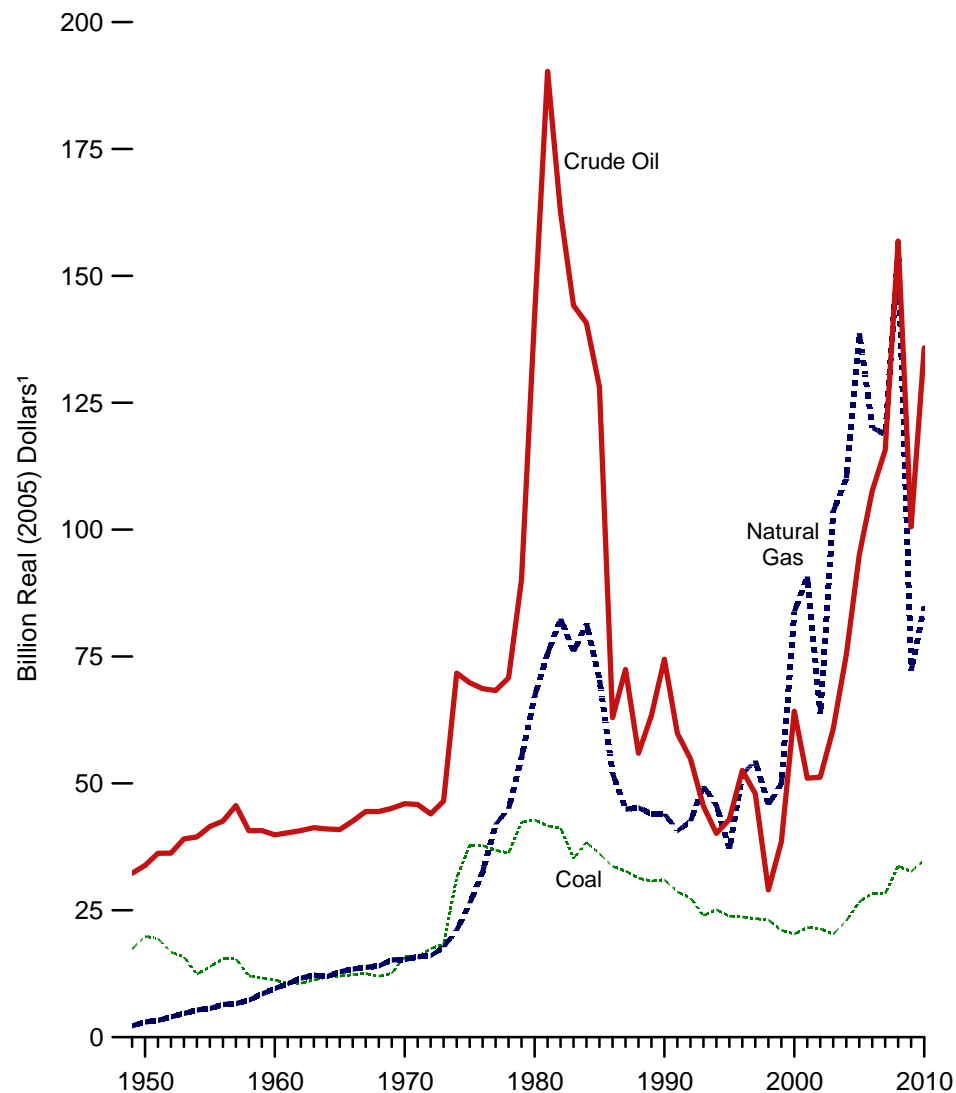
Sources: Tables 5.18, 6.7, 7.8, A2, A4, and A5.

**Figure 3.2 Value of Fossil Fuel Production, Imports, and Exports**

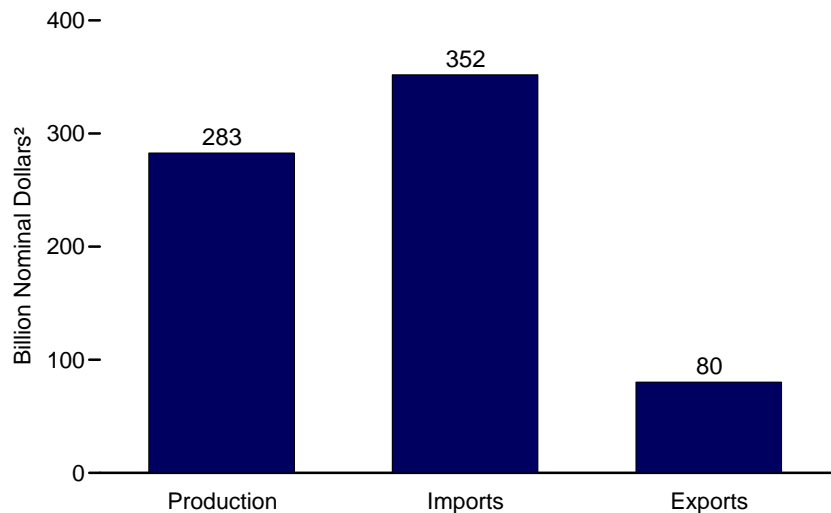
**Overview, 1949-2010**



**Production by Fuel, 1949-2010**



**Overview, 2010**



<sup>1</sup> In chained (2005) 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. Sources: Tables 3.2, 3.7, and 3.8.

**Table 3.2 Value of Fossil Fuel Production, Selected Years, 1949-2010**  
(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	17.38	0.33	2.24	4.68	32.30	7.52	51.93
1950	2.91	19.86	.44	3.00	4.95	33.83	8.30	56.69
1955	2.30	13.88	.94	5.67	6.88	41.49	10.12	61.04
1960	2.10	11.28	1.79	9.61	7.42	39.88	11.30	60.77
1965	2.40	12.04	2.57	12.88	8.15	40.90	13.11	65.82
1970	3.88	15.97	3.73	15.32	11.19	46.00	18.80	77.30
1975	12.67	37.74	8.85	26.36	23.45	69.86	44.96	133.96
1976	13.40	37.75	11.57	32.61	24.37	68.68	49.34	139.04
1977	13.91	36.84	15.82	41.91	25.79	68.31	55.52	147.07
1978	14.65	36.26	18.18	44.99	28.60	70.80	61.43	152.05
1979	18.55	42.39	24.16	55.20	39.45	90.16	82.16	187.75
1980	20.45	42.83	32.09	67.19	67.93	142.26	120.47	252.28
1981	21.75	41.64	39.51	75.66	99.40	190.32	160.66	307.62
1982	22.84	41.22	45.71	82.49	90.03	162.47	158.58	286.18
1983	20.32	35.27	43.73	75.92	83.05	144.17	147.10	255.36
1984	22.94	38.39	48.69	81.47	84.10	140.72	155.74	260.58
1985	22.27	36.16	43.35	70.40	78.88	128.11	144.50	234.67
1986	21.18	33.65	32.71	51.97	39.63	62.98	93.52	148.60
1987	21.20	32.73	29.11	44.95	46.93	72.46	97.24	150.14
1988	20.97	31.31	30.28	45.21	37.48	55.95	88.73	132.46
1989	21.40	30.78	30.58	43.99	44.07	63.40	96.05	138.17
1990	22.39	31.01	31.80	44.04	53.77	74.48	107.96	149.53
1991	21.40	28.63	30.39	40.65	44.77	59.89	96.57	129.18
1992	20.98	27.41	32.56	42.54	41.97	54.84	95.50	124.79
1993	18.77	23.99	38.72	49.50	35.61	45.52	93.10	119.02
1994	20.06	25.12	36.46	45.65	32.07	40.15	88.59	110.92
1995	19.45	23.86	30.24	37.08	35.00	42.93	84.69	103.87
1996	19.68	23.69	42.99	51.74	43.68	52.57	106.35	128.00
1997	19.77	23.38	46.09	54.51	40.57	47.99	106.43	125.88
1998	19.75	23.09	39.12	45.75	24.80	29.01	83.68	97.85
1999	18.30	21.09	43.37	49.99	33.40	38.50	95.08	109.57
2000	18.02	20.32	74.33	83.85	56.93	64.22	149.27	168.39
2001	19.60	21.62	82.28	90.77	46.25	51.02	148.13	163.41
2002	19.68	21.36	58.66	63.68	47.21	51.25	125.54	136.28
2003	19.13	20.33	97.47	103.59	57.14	60.73	173.75	184.64
2004	22.16	22.90	106.57	110.12	72.93	75.36	201.66	208.39
2005	26.69	26.69	138.74	138.74	95.03	95.03	260.46	260.46
2006	29.25	28.33	124.03	120.12	111.16	107.65	264.44	256.10
2007	30.04	<sup>R</sup> 28.26	126.23	<sup>R</sup> 118.75	122.96	<sup>R</sup> 115.68	279.23	<sup>R</sup> 262.69
2008	36.62	<sup>R</sup> 33.71	<sup>R</sup> 168.33	<sup>R</sup> 154.97	170.38	<sup>R</sup> 156.86	<sup>R</sup> 375.33	<sup>R</sup> 345.55
2009	<sup>R</sup> 35.73	<sup>R</sup> 32.60	<sup>R</sup> 79.18	<sup>R</sup> 72.23	<sup>R</sup> 110.25	<sup>R</sup> 100.58	<sup>R</sup> 225.16	<sup>R</sup> 205.41
2010 <sup>P</sup>	38.67	34.94	93.89	84.84	150.31	135.83	282.86	255.61

<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 (2005) dollars, calculated by using gross domestic product implicit price deflators in Table D1. See "Chained Dollars" in Glossary.

R=Revised. P=Preliminary.

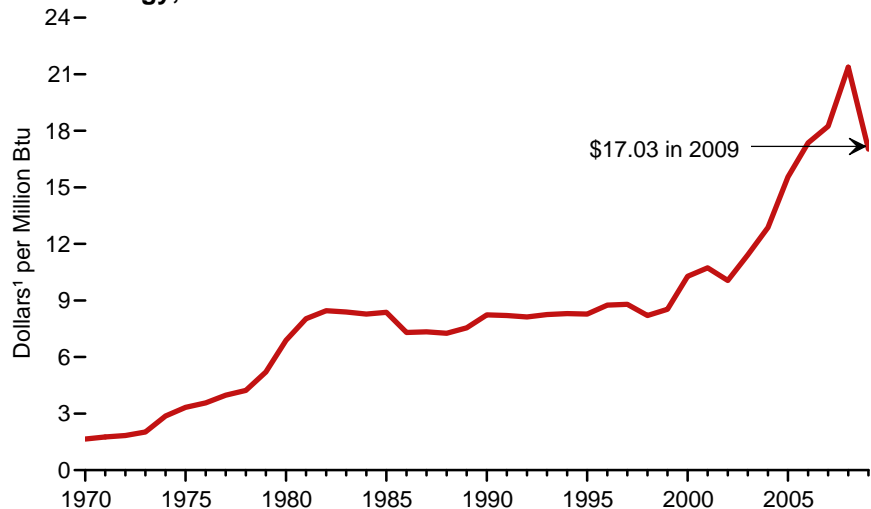
Note: Totals may not equal sum of components due to independent rounding.

Web Page: For all data beginning in 1949, see <http://www.eia.gov/totalenergy/data/annual/#financial>.

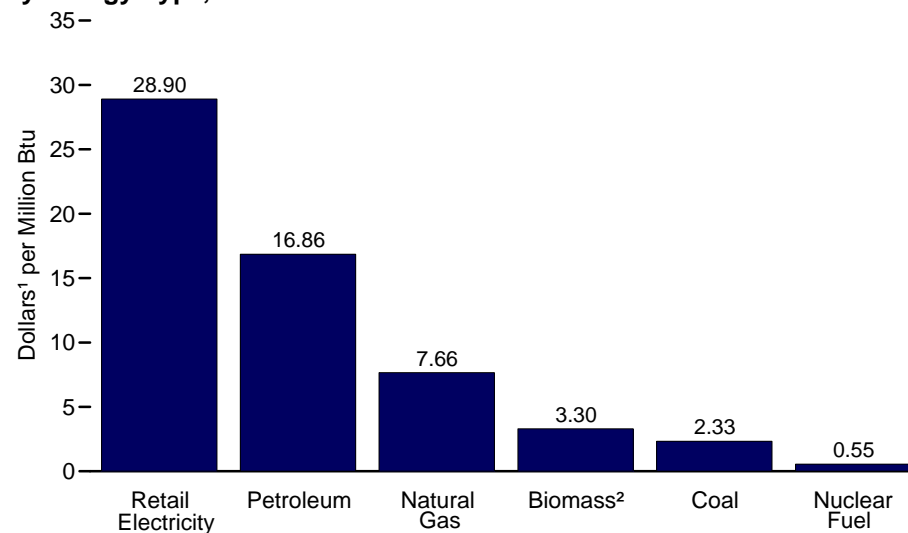
Sources: Tables 5.1, 5.18, 6.2, 6.7, 7.2, and 7.8.

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

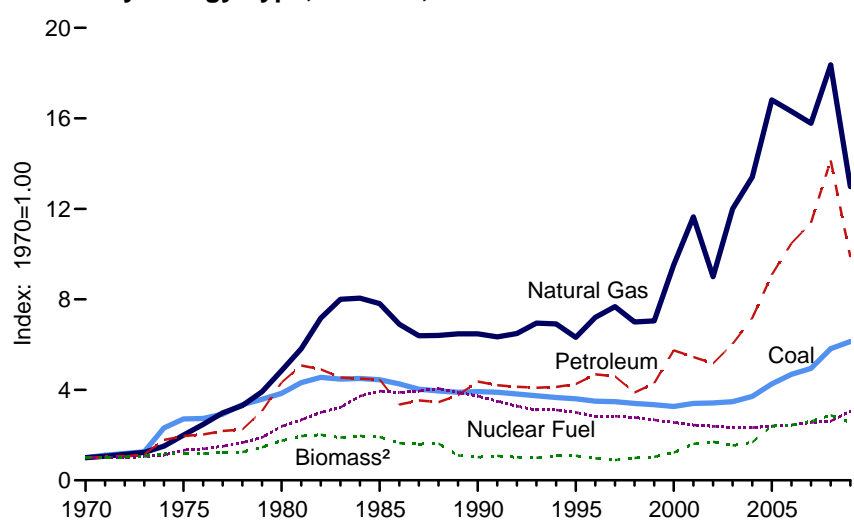
**Total Energy, 1970-2009**



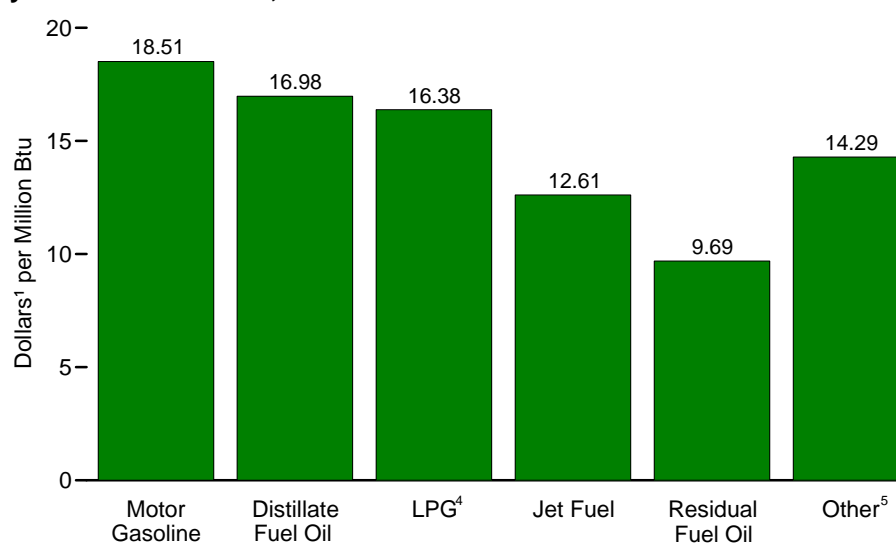
**By Energy Type, 2009**



**Prices³ by Energy Type, Indexed, 1970-2009**



**By Petroleum Product, 2009**



<sup>1</sup> Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

<sup>2</sup> Wood and wood-derived fuels, and biomass waste; excludes fuel ethanol and biodiesel. Prior to 2001, also includes non-biomass waste.

<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.

Source: Table 3.3.

**Table 3.3 Consumer Price Estimates for Energy by Source, 1970-2009**  
(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	R1.43	2.85	0.42	1.38	R1.71	0.18	1.29	1.08	0.32	4.98	1.65
1971	.42	.63	1.22	.77	R1.46	2.90	.58	1.45	R1.78	.18	1.31	1.15	.38	5.30	1.76
1972	.45	.68	1.22	.79	R1.49	2.88	.62	1.49	1.78	.18	1.33	1.18	.42	5.54	1.84
1973	.48	.73	1.46	.92	R1.97	3.10	.75	1.58	1.97	.19	1.39	1.29	.47	5.86	2.02
1974	.88	.89	2.44	1.58	R2.77	4.32	1.82	2.60	R3.05	.20	1.50	1.94	.87	7.42	2.87
1975	1.03	1.18	2.60	2.05	R2.93	4.65	1.93	2.94	R3.34	.24	1.50	2.19	.97	8.61	3.33
1976	1.04	1.46	2.77	2.25	R3.16	4.84	1.90	3.08	R3.46	.25	1.53	2.34	1.03	9.13	3.57
1977	1.11	1.76	3.11	2.59	R3.61	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	R3.56	5.24	2.08	3.45	3.84	.30	1.61	2.71	1.27	10.92	4.23
1979	1.36	2.31	4.69	3.90	R4.46	7.11	2.83	4.70	5.23	.34	1.88	3.47	1.50	11.78	5.21
1980	1.46	2.86	6.70	6.36	R5.59	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	R6.13	10.94	4.91	8.67	8.68	.48	2.52	5.25	2.04	16.14	8.03
1982	1.73	4.23	7.78	7.23	R6.60	10.39	4.65	7.87	R8.39	.54	2.60	R5.32	2.05	18.16	8.46
1983	1.70	4.72	7.32	6.53	R7.11	9.12	4.50	7.60	7.77	.58	2.44	R5.11	2.02	18.62	8.39
1984	1.71	4.75	7.37	6.25	R6.88	8.89	4.75	7.72	7.68	.67	2.53	5.04	2.02	18.50	R8.28
1985	1.69	4.61	7.22	5.91	6.55	9.01	4.30	7.55	7.63	.71	2.47	4.92	1.91	19.05	8.37
1986	1.62	4.07	5.68	3.92	R6.43	6.79	2.37	5.80	5.73	.70	2.12	3.97	1.60	19.05	7.30
1987	1.53	3.77	5.97	4.03	R6.05	7.23	2.86	5.63	6.04	.71	2.07	4.00	1.57	18.74	7.34
1988	1.50	3.78	5.83	3.80	R5.86	7.33	2.35	5.26	5.91	.73	2.09	3.89	1.49	18.68	7.26
1989	1.48	3.82	6.43	4.39	R5.51	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	R6.72	9.12	3.17	5.82	7.47	.67	1.32	R4.45	1.48	19.32	R8.24
1991	1.48	3.74	7.29	4.83	R6.77	8.93	2.62	R5.73	R7.19	.63	1.39	R4.28	1.40	19.84	8.20
1992	1.45	3.83	7.09	4.52	R6.16	8.96	2.28	R5.51	7.07	.59	1.32	4.24	1.38	20.06	8.13
1993	1.42	4.10	7.08	4.29	R6.17	8.83	2.26	R5.49	R7.00	.56	1.28	R4.25	1.40	20.38	8.25
1994	1.39	4.08	6.99	3.95	R6.61	8.96	2.32	5.47	7.06	.56	1.39	4.27	1.36	20.33	8.30
1995	1.37	3.73	6.98	4.00	R6.51	9.22	2.46	5.74	R7.28	.54	1.40	4.23	1.29	20.29	8.28
1996	1.33	4.25	7.87	4.82	R7.98	9.85	2.80	R6.20	R8.01	.51	1.25	4.63	1.35	20.16	8.75
1997	1.32	4.53	7.66	4.53	R7.39	9.81	2.93	R5.89	7.86	.51	1.15	4.66	1.38	20.13	8.80
1998	1.29	4.13	6.57	3.35	R5.95	8.45	2.15	R5.02	R6.63	.50	1.27	4.08	1.32	19.80	8.20
1999	1.27	4.16	7.19	4.01	R6.60	9.31	2.51	5.30	7.33	.48	1.34	4.37	1.33	19.52	8.53
2000	1.24	5.62	9.86	6.64	R9.55	R11.89	4.32	R7.04	R9.82	.46	1.58	R5.70	1.71	20.03	R10.28
2001	1.29	6.87	R9.18	5.72	R9.54	R11.34	3.99	R6.41	9.32	.44	2.08	5.83	1.85	21.41	10.73
2002	1.30	R5.31	R8.64	5.33	R8.09	R10.69	3.91	R6.59	R8.83	.43	2.19	R5.25	1.54	21.15	R10.06
2003	1.32	R7.08	R10.05	6.46	R10.32	12.34	4.75	R7.62	10.31	.42	1.98	R6.28	1.84	21.85	R11.42
2004	1.41	R7.91	R12.23	8.93	R12.24	R14.67	4.92	R8.56	R12.27	.42	2.17	R7.37	2.00	22.38	12.87
2005	1.62	9.92	R16.41	12.86	R14.58	R17.89	6.65	R10.98	R15.53	.43	3.10	R9.24	2.61	23.92	R15.55
2006	1.78	9.62	R18.55	14.80	R16.85	20.27	7.93	R13.37	R17.92	.44	R3.15	R10.21	2.48	26.15	R17.36
2007	1.88	R9.31	R19.87	16.01	R18.76	R22.01	R8.57	R14.94	R19.47	.46	R3.36	R10.75	2.68	26.84	R18.24
2008	2.21	10.83	26.33	22.56	23.35	25.53	12.64	18.83	24.18	.47	3.71	12.93	3.21	28.64	21.37
2009	2.33	7.66	16.98	12.61	16.38	18.51	9.69	14.29	16.86	.55	3.30	9.37	2.44	28.90	17.03

<sup>1</sup> Prices are not adjusted for inflation. 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 fuel 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 wood-derived fuels, and biomass waste; excludes fuel ethanol and biodiesel. Through 2000, also includes non-biomass waste.

<sup>9</sup> Includes coal coke imports and exports, which are not separately displayed. In 2009, coal coke imports averaged 10.82 dollars per million Btu, and coal coke exports averaged 4.17 dollars per million Btu.

<sup>10</sup> Includes electricity imports, which are not separately displayed. For 1981-1992, also includes fuel 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.

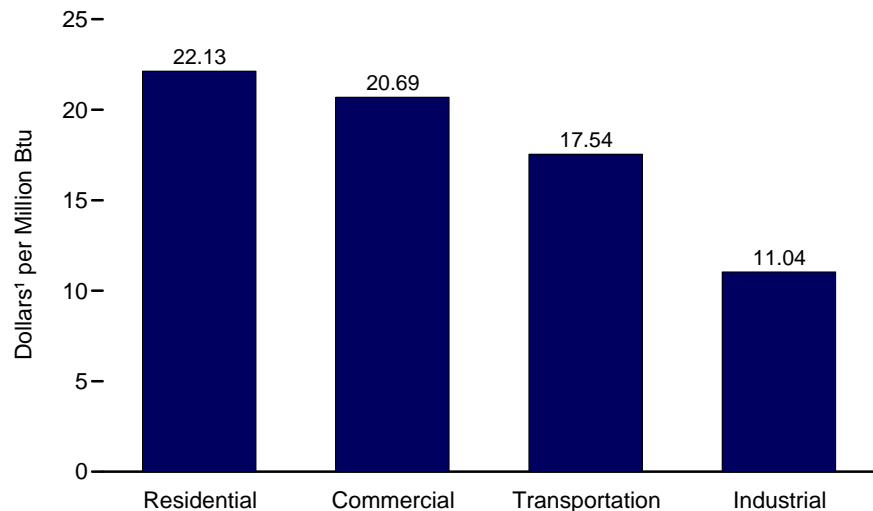
Notes: • Prices include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy.

Web Page: For related information, see <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

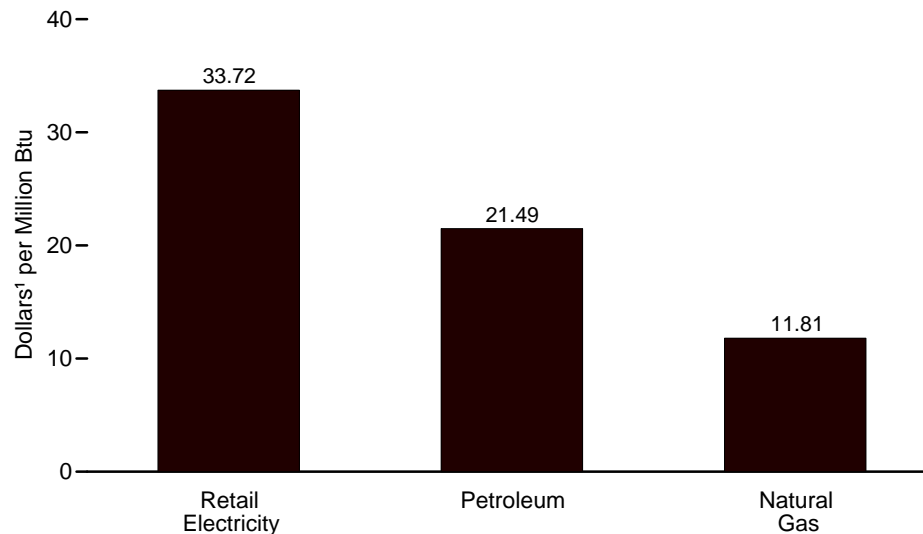
Source: U.S. Energy Information Administration, "State Energy Data 2009: Prices and Expenditures" (June 2011), U.S. Table ET1.

**Figure 3.4 Consumer Price Estimates for Energy by End-Use Sector, 2009**

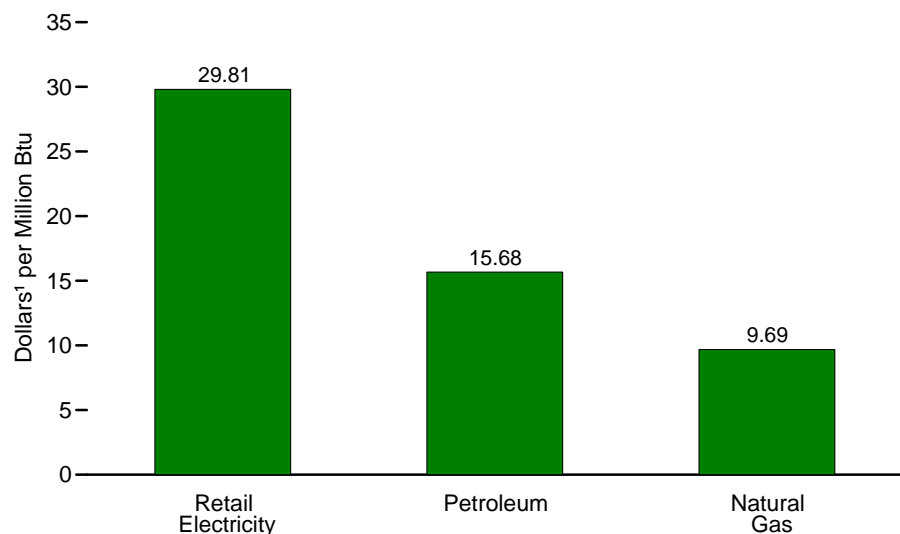
**By Sector**



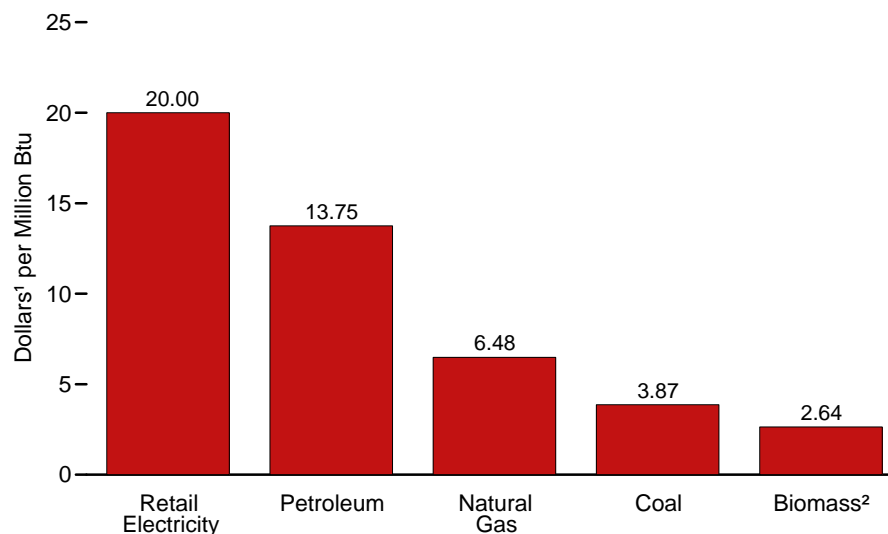
**Residential Sector by Major Source**



**Commercial Sector by Major Source**



**Industrial Sector by Major Source**



<sup>1</sup> Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

<sup>2</sup> Wood and wood-derived fuels, and biomass waste; excludes fuel 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, 1970-2009**

(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>6,7</sup>	Coal	Natural Gas <sup>2</sup>	Petroleum <sup>5</sup>	Biomass <sup>8</sup>	Retail Electricity <sup>3</sup>	Total <sup>7,9</sup>	Petroleum <sup>5</sup>	Total <sup>7,10</sup>
1970	1.06	R1.54	6.51	2.10	0.75	R0.91	6.09	R1.97	0.45	0.38	0.98	1.59	2.99	0.84	2.31	2.31
1971	1.12	R1.59	6.80	2.24	.80	R1.02	6.44	R2.15	.50	.41	1.05	1.59	3.22	.92	2.37	2.37
1972	1.18	R1.62	7.09	2.37	.86	R1.05	6.71	R2.32	.55	.46	1.05	1.59	3.40	.99	2.38	2.38
1973	1.26	R2.08	7.44	R2.71	.91	R1.21	7.06	R2.55	.63	.50	1.18	1.60	3.66	1.10	2.57	2.57
1974	1.42	R2.85	9.09	3.38	1.05	R2.26	8.91	3.41	1.22	.67	2.24	1.60	4.95	1.78	3.70	3.70
1975	1.67	R3.01	10.29	R3.80	1.32	R2.40	10.11	R4.07	1.50	.95	2.46	1.60	6.07	2.20	4.02	4.02
1976	1.94	R3.23	10.93	R4.12	1.61	R2.50	10.82	R4.38	1.50	1.21	2.57	1.60	6.48	2.43	4.20	4.21
1977	2.30	R3.64	11.87	R4.76	2.00	R2.85	11.99	R5.12	1.56	1.48	2.84	1.59	7.33	2.78	4.47	4.48
1978	2.52	R3.76	12.63	5.13	2.20	R2.93	12.78	R5.50	1.73	1.66	2.96	1.60	8.18	3.03	4.59	4.59
1979	2.92	R5.31	13.60	R5.99	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	R7.24	15.71	7.46	3.32	5.64	16.06	R7.83	1.87	2.52	5.75	1.67	10.81	4.71	8.60	8.61
1981	4.19	R8.66	18.17	8.82	3.91	R6.97	18.44	R9.48	2.06	3.07	6.84	1.67	12.57	5.52	9.83	9.84
1982	5.05	R8.65	20.11	9.78	4.70	6.65	20.11	R10.35	2.09	3.80	6.51	1.67	14.51	6.05	9.42	9.43
1983	5.88	R8.37	21.04	10.66	5.43	R6.52	20.57	R10.92	1.91	4.10	6.57	1.67	14.54	6.21	8.44	8.45
1984	5.95	R8.43	20.96	10.66	5.40	R6.50	20.89	R11.13	1.91	4.13	6.56	1.67	14.16	6.12	8.25	8.26
1985	5.94	R8.13	21.66	10.91	5.34	R6.50	21.30	R11.64	1.90	3.87	6.29	1.67	14.57	6.03	8.26	8.27
1986	5.67	R6.76	21.75	10.75	4.94	R4.46	21.10	R11.21	1.80	3.20	4.92	1.65	14.45	5.36	6.21	6.22
1987	5.39	R6.57	21.82	10.71	4.64	R4.77	20.44	R10.97	1.67	2.88	4.96	1.65	13.98	5.17	6.57	6.59
1988	5.32	R6.56	21.92	10.66	4.51	R4.52	20.34	10.82	1.68	2.90	4.62	1.65	13.78	5.00	6.56	6.57
1989	5.47	R7.52	22.41	11.02	4.61	R5.11	20.77	R11.26	1.68	2.93	4.69	1.20	13.85	4.92	7.17	7.18
1990	5.63	R8.66	22.96	R11.87	4.70	R6.07	21.20	R11.88	1.69	2.95	5.48	.99	13.92	5.23	8.27	8.28
1991	5.66	R8.44	23.57	12.08	4.69	R5.63	21.73	12.07	1.67	2.80	5.31	1.14	14.18	5.18	7.98	7.99
1992	5.73	R7.76	24.06	11.98	4.75	R5.40	22.15	R12.16	1.69	2.91	5.00	1.13	14.18	5.13	7.91	7.93
1993	5.99	R7.60	24.40	12.28	5.08	R5.18	22.40	R12.56	1.63	3.12	R4.92	1.12	14.22	5.16	7.87	7.88
1994	6.23	R7.68	24.57	R12.62	5.35	R5.08	22.35	R12.73	1.62	3.09	5.04	1.15	14.00	5.15	7.91	7.92
1995	5.89	R7.61	24.63	R12.62	4.94	R5.18	22.29	R12.63	1.63	2.80	5.20	1.21	13.68	4.97	8.08	8.09
1996	6.16	R8.79	24.50	R12.72	5.26	R6.23	22.17	R12.77	1.62	3.30	R6.05	1.01	13.49	5.40	8.76	8.77
1997	6.75	R8.77	24.71	13.29	5.67	R6.16	22.03	R13.04	1.62	3.53	R5.69	1.01	13.29	5.34	8.69	8.70
1998	6.61	R7.70	24.21	R13.47	5.38	R5.14	21.48	R13.06	1.58	3.16	R4.53	1.24	13.13	4.91	7.47	7.48
1999	6.50	R7.94	23.93	R13.18	5.22	R5.62	21.01	R12.86	1.58	3.21	R5.08	1.38	12.98	5.12	8.23	8.23
2000	7.64	R11.36	24.14	R14.26	6.56	R8.36	21.52	R13.92	1.55	4.61	R7.30	1.43	13.60	R6.42	R10.71	R10.72
2001	9.42	R11.46	25.16	R15.67	8.32	R7.96	22.99	15.56	1.63	5.71	R6.77	1.95	14.78	R6.88	R10.20	10.21
2002	R7.69	R10.20	24.75	R14.69	6.49	R7.23	22.81	R14.67	1.75	R4.47	R6.46	2.11	14.30	R6.30	R9.64	R9.65
2003	R9.24	R12.09	25.56	15.85	R8.07	R8.71	23.54	R15.64	1.74	R6.20	R7.81	1.62	14.97	R7.48	11.20	11.21
2004	R10.47	R13.59	26.22	R17.06	R9.19	R10.27	23.95	R16.57	1.99	R7.02	R9.36	1.79	15.38	R8.45	R13.43	R13.43
2005	12.34	R17.10	27.68	R19.20	R10.98	R13.68	25.40	R18.61	2.56	R9.08	R11.93	2.73	16.77	R10.39	R16.89	R16.89
2006	R13.35	R19.66	30.49	R21.54	R11.60	R16.09	27.72	R20.65	2.83	R8.76	R14.25	R2.66	18.02	R11.37	R19.13	R19.13
2007	R12.72	R21.65	31.22	R21.62	R10.98	R17.73	28.27	R20.75	R2.92	8.28	R15.82	R2.53	18.71	R11.92	R20.61	R20.61
2008	13.52	26.53	33.01	23.13	11.89	23.31	30.38	22.47	3.51	10.06	20.35	2.85	19.96	14.29	25.24	25.23
2009	11.81	21.49	33.72	22.13	9.69	15.68	29.81	20.69	3.87	6.48	13.75	2.64	20.00	11.04	17.54	17.54

<sup>1</sup> Prices are not adjusted for inflation. 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 and wood-derived fuels, which are not separately displayed.

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

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

Through 2000, also includes non-biomass waste.

<sup>7</sup> For 1981-1992, includes fuel ethanol blended into motor gasoline that is not included in the petroleum data for those years.

<sup>8</sup> Wood and wood-derived fuels, and biomass waste; excludes fuel ethanol and biodiesel. Through 2000, also includes non-biomass waste.

<sup>9</sup> Includes coal coke imports and exports, which are not separately displayed.

<sup>10</sup> Includes coal, natural gas, and retail electricity, which are not separately displayed.

R=Revised.

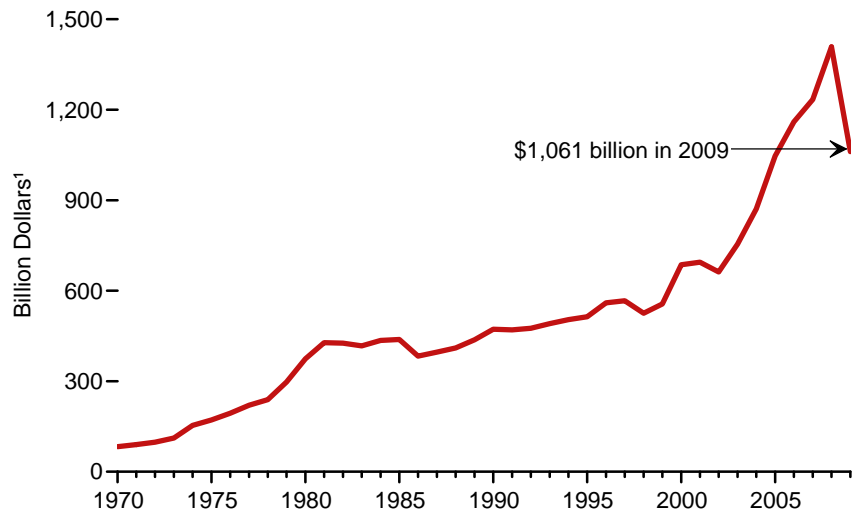
Notes: • Prices include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy.

Web Page: For related information, see <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

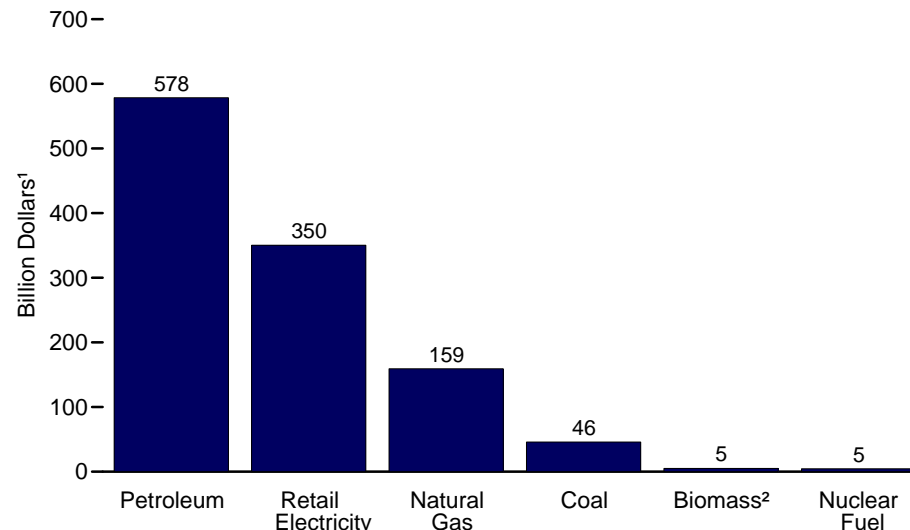
Source: U.S. Energy Information Administration, "State Energy Data 2009: Prices and Expenditures" (June 2011), U.S. Tables ET3-ET6.

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

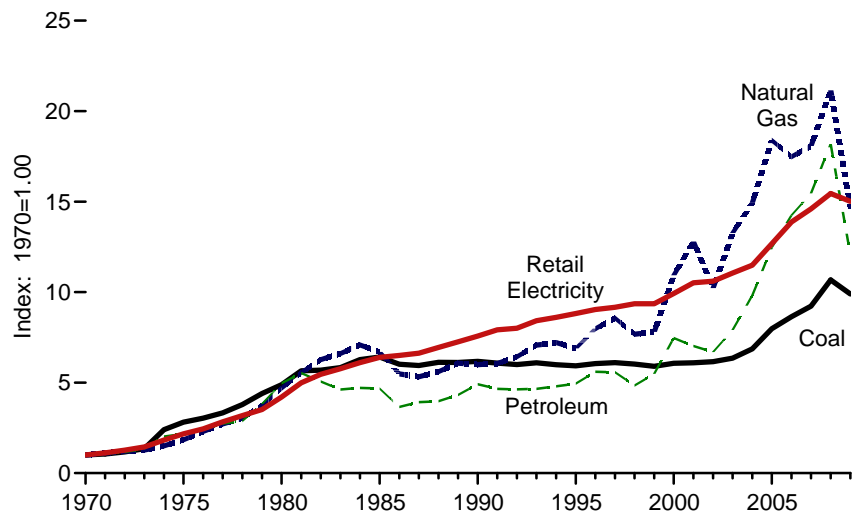
**Total Energy, 1970-2009**



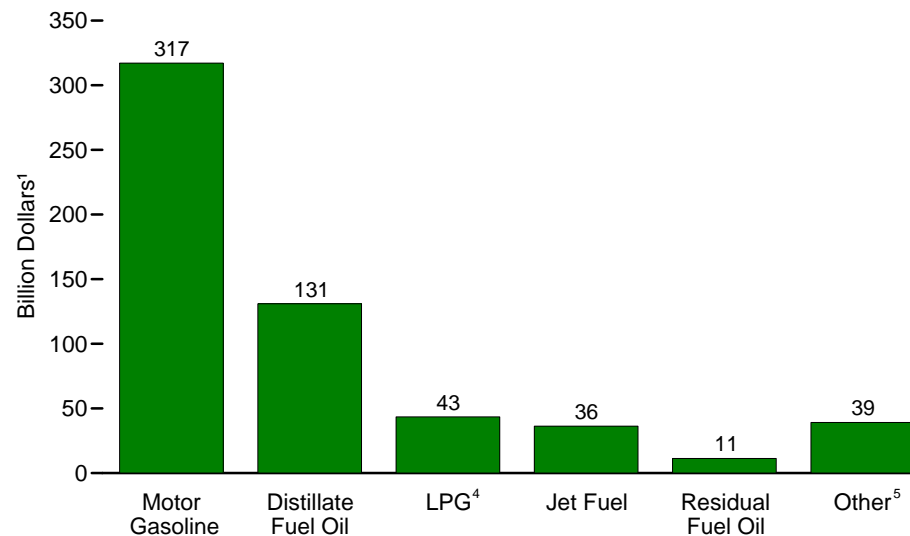
**By Energy Type, 2009**



**Expenditures<sup>3</sup> by Energy Type, Indexed, 1970-2009**



**By Petroleum Product, 2009**



<sup>1</sup> Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

<sup>2</sup> Wood and wood-derived fuels, and biomass waste; excludes fuel 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.

Source: Table 3.5.

**Table 3.5 Consumer Expenditure Estimates for Energy by Source, 1970-2009**  
(Million Dollars <sup>1</sup>)

Year	Primary Energy <sup>2</sup>												Electric Power Sector <sup>11,12</sup>	Retail Electricity <sup>13</sup>	Total Energy <sup>10,14</sup>	
	Coal	Coal Coke Net Imports <sup>3</sup>	Natural Gas <sup>4</sup>	Petroleum							Nuclear Fuel	Biomass <sup>9</sup>				Total <sup>10</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	R2,395	31,596	2,046	4,172	R47,904	44	438	R63,872	-4,357	23,345	R82,860
1971	4,902	-40	12,065	6,890	1,582	R2,483	33,478	2,933	4,449	R51,816	73	446	R69,312	-5,491	26,202	R90,023
1972	5,415	-26	13,198	7,552	1,682	R2,834	35,346	3,458	4,777	R55,648	104	476	R74,893	-6,551	29,712	R98,054
1973	6,243	7	13,933	9,524	2,001	R3,833	39,667	4,667	5,318	R65,009	177	502	R86,005	-7,952	33,774	R111,827
1974	11,118	150	16,380	15,217	3,208	R5,200	54,194	10,547	8,284	R96,651	259	544	R125,269	-14,558	42,586	R153,297
1975	13,021	82	20,061	15,680	4,193	R5,157	59,446	10,374	8,493	R103,343	448	534	R137,638	-16,545	50,680	R171,773
1976	14,051	44	25,097	18,402	4,567	R5,917	64,977	11,648	9,925	R115,437	520	622	R155,927	-19,078	56,972	R193,821
1977	15,416	67	29,602	22,004	5,517	R6,735	70,591	14,381	11,790	R131,017	743	694	R177,862	-23,715	66,225	R220,372
1978	17,551	362	33,185	23,587	6,205	R6,543	74,513	13,747	13,348	R137,944	915	782	R191,118	-26,125	74,159	R239,152
1979	20,376	259	40,785	32,854	8,603	R9,299	95,916	17,656	18,785	R183,113	941	964	R246,879	-31,472	82,051	R297,459
1980	22,607	-78	51,061	40,797	13,923	R10,823	124,408	21,573	26,049	R237,573	1,189	1,232	R314,176	-38,027	98,095	R374,244
1981	26,159	-31	60,544	48,200	15,607	R11,798	138,138	22,668	28,571	R264,983	1,436	1,429	R355,594	-44,274	116,455	R427,775
1982	26,349	-52	68,292	44,087	14,974	R12,820	130,305	17,632	22,447	R242,267	1,684	1,510	R341,288	-42,354	127,393	R426,328
1983	26,987	-44	72,000	41,846	13,979	R13,962	115,803	14,099	21,573	R221,261	1,859	1,517	R325,126	-42,566	134,731	R417,291
1984	29,025	-22	77,169	44,668	15,097	R14,037	114,429	14,410	22,812	R225,451	2,384	1,608	R337,300	-44,686	142,420	R435,034
1985	29,678	-34	72,938	43,972	14,747	R13,580	118,048	11,493	22,088	R223,929	2,878	1,597	R332,913	-43,970	149,233	R438,176
1986	27,855	-40	59,702	35,113	10,505	R12,711	91,529	7,486	17,647	R174,990	3,061	1,352	R268,609	-37,016	151,793	R383,386
1987	27,532	7	58,019	37,729	11,448	R12,835	99,864	8,062	17,687	R187,625	3,378	1,300	R279,951	-38,182	154,685	R396,454
1988	28,333	116	61,089	38,776	11,318	R12,771	103,323	7,259	16,779	R190,225	4,057	1,378	R286,870	-38,553	162,063	R410,380
1989	28,284	137	66,198	43,159	13,434	R12,108	112,720	8,357	17,060	R206,838	3,939	2,270	R309,018	-40,829	169,332	R437,521
1990	28,602	22	65,278	49,335	17,784	R13,631	126,558	8,721	19,255	R235,284	4,104	1,997	R336,379	-40,626	176,691	R472,444
1991	28,129	44	65,956	45,269	14,609	R14,882	123,118	6,784	R18,213	R222,875	4,073	2,165	R324,420	-38,752	184,767	R470,435
1992	27,776	126	70,086	45,019	13,559	R14,096	125,249	5,585	R18,345	R221,853	3,802	2,194	R327,195	-38,663	186,906	R475,438
1993	28,229	96	77,052	45,732	13,002	R13,882	126,560	5,449	R18,285	R222,910	3,597	2,193	R334,784	-40,317	196,532	R490,999
1994	27,715	214	78,581	47,002	12,474	R16,243	130,068	5,296	R18,687	R229,770	3,777	2,521	R343,593	-40,352	200,831	R504,073
1995	27,431	234	75,020	47,533	12,526	R16,197	136,647	4,676	R19,225	R236,803	3,810	2,938	R347,144	-39,073	205,876	R513,947
1996	28,028	156	86,904	56,455	15,770	R21,086	148,344	5,313	R21,144	R268,112	3,624	2,668	R390,437	-41,652	211,105	R559,890
1997	28,277	170	93,382	55,922	15,000	R19,781	149,668	5,206	R21,631	R267,208	3,369	2,425	R395,817	-42,947	213,843	R566,714
1998	27,888	188	83,620	48,350	11,239	R15,241	132,730	4,280	R19,835	R231,675	3,555	2,477	R350,464	-43,311	218,361	R525,515
1999	27,310	140	84,960	54,565	13,878	R19,038	149,260	4,686	R21,250	R262,676	3,643	2,659	R382,668	-44,689	218,413	R556,392
2000	28,080	146	119,094	R78,209	23,777	R27,970	R192,153	8,870	R26,496	R357,475	3,628	3,194	R514,398	-60,054	231,577	R685,922
2001	28,202	82	139,388	R75,035	19,602	R25,543	R185,752	7,266	R23,097	R336,294	3,524	3,494	R513,673	-64,672	245,483	R694,484
2002	28,511	180	111,368	R69,285	17,802	R22,980	R179,796	6,156	R24,167	R320,185	3,504	4,005	R468,877	-54,230	247,598	R662,246
2003	29,402	169	144,489	R83,873	21,096	R28,161	R209,493	8,325	R28,061	R379,010	3,362	3,599	R561,401	-64,685	R257,992	R754,708
2004	31,764	1,125	162,702	R105,772	30,219	R34,408	R254,873	9,717	R35,212	R470,200	3,445	3,692	R674,543	-71,720	R268,133	R870,956
2005	36,932	633	200,303	R143,598	44,679	R38,874	R312,047	13,951	R44,136	R597,285	3,469	5,896	R847,031	-95,975	R295,787	R1,046,843
2006	40,005	509	190,382	R164,399	50,007	R45,355	R357,286	12,432	R52,986	R682,465	3,637	R6,108	R925,627	-90,104	R323,962	R1,159,485
2007	R42,717	347	R196,868	R177,172	53,754	R51,081	R389,282	R14,129	R55,211	R740,628	3,871	R6,404	R994,035	R-100,719	R340,925	R1,234,240
2008	49,438	1,465	230,305	221,435	72,046	59,875	438,237	17,984	61,417	870,993	3,976	6,926	1,166,660	-118,545	360,570	1,408,685
2009	45,824	-42	159,235	131,050	36,353	43,466	317,088	11,310	39,228	578,496	4,560	5,083	795,310	-84,496	350,438	1,061,252

<sup>1</sup> Prices are not adjusted for inflation. 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 fuel 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 wood-derived fuels, and biomass waste; excludes fuel ethanol and biodiesel. Through 2000, also includes non-biomass waste.

<sup>10</sup> Includes electricity imports, which are not separately displayed. For 1981-1992, also includes fuel 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> 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>13</sup> Retail electricity expenditures by ultimate customers, reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>14</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.

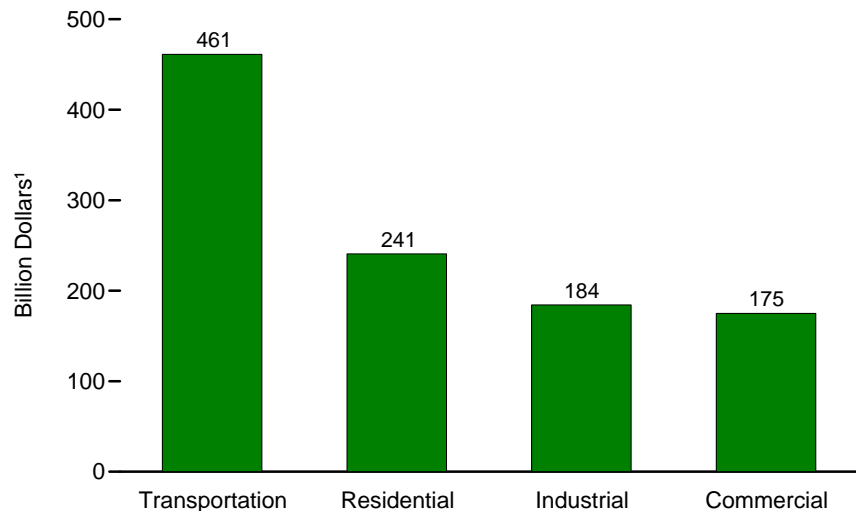
Notes: • Expenditures include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy. • Totals may not equal the sum of components due to independent rounding.

Web Page: For related information, see <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

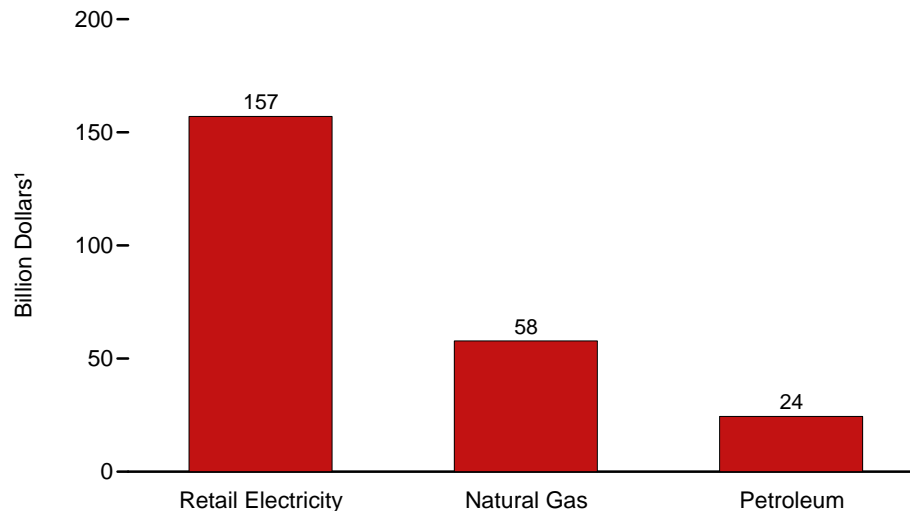
Source: U.S. Energy Information Administration, "State Energy Data 2009: Prices and Expenditures" (June 2011), U.S. Table ET.1.

**Figure 3.6 Consumer Expenditure Estimates for Energy by End-Use Sector, 2009**

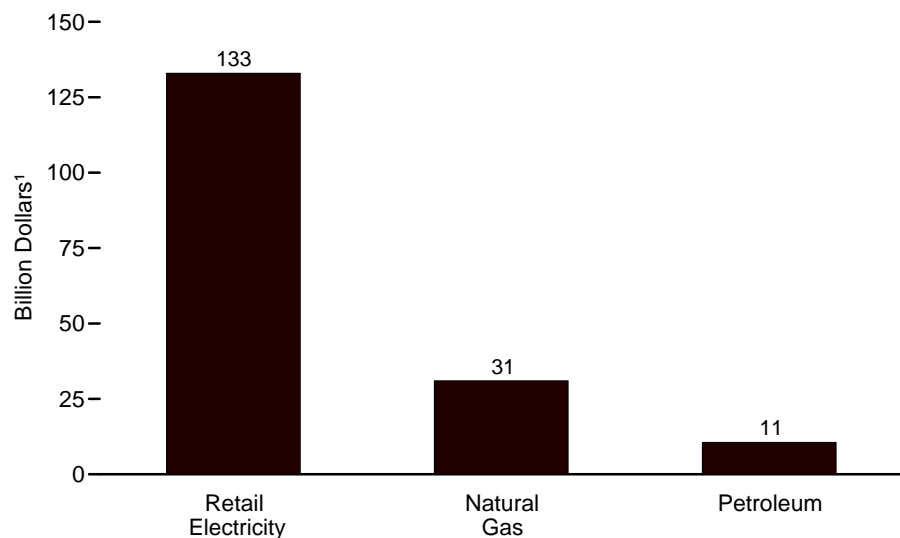
**By Sector**



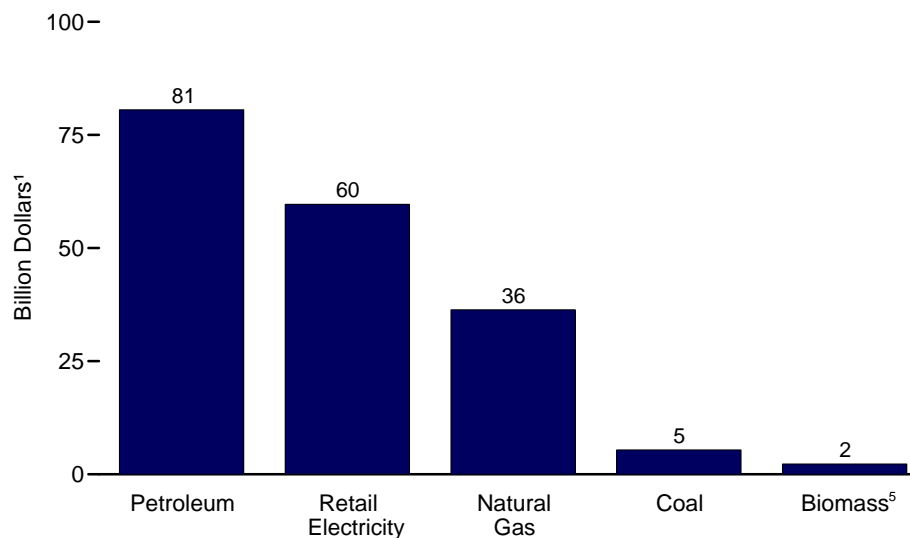
**Residential Sector by Major Source<sup>2</sup>**



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



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



<sup>1</sup> Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

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

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

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

<sup>5</sup> Wood and wood-derived fuels, and biomass waste; excludes fuel 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.

Source: Table 3.6.

**Table 3.6 Consumer Expenditure Estimates for Energy by End-Use Sector, 1970-2009**

(Million 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>6,7</sup>	Coal	Natural Gas <sup>2</sup>	Petroleum <sup>5</sup>	Biomass <sup>8</sup>	Retail Electricity <sup>3</sup>	Total <sup>7,9</sup>	Petroleum <sup>5</sup>	Total <sup>7,10</sup>
1970	5,272	R <sup>4</sup> 1,186	10,352	R <sup>20</sup> 11,212	1,844	R <sup>1</sup> 1,440	7,319	R <sup>10</sup> 10,678	2,082	2,625	6,069	366	5,624	16,691	35,327	35,379
1971	5,702	R <sup>4</sup> 1,367	11,589	R <sup>21</sup> 12,934	2,060	R <sup>1</sup> 1,574	8,301	R <sup>12</sup> 10,221	1,971	3,019	6,663	374	6,256	18,244	37,766	37,824
1972	6,223	R <sup>4</sup> 1,623	13,034	R <sup>24</sup> 14,657	2,289	R <sup>1</sup> 1,653	9,443	R <sup>13</sup> 11,142	2,212	3,335	7,180	404	7,173	20,278	40,154	40,218
1973	6,282	R <sup>5</sup> 1,801	14,712	R <sup>26</sup> 16,513	2,421	R <sup>1</sup> 1,936	10,707	R <sup>15</sup> 12,643	2,527	3,936	8,600	425	8,284	23,779	45,846	45,918
1974	6,949	R <sup>7</sup> 2,235	17,924	R <sup>32</sup> 19,164	2,741	R <sup>3</sup> 2,290	13,373	R <sup>19</sup> 15,663	4,704	4,971	15,408	421	11,184	36,837	64,368	64,476
1975	8,410	R <sup>7</sup> 2,422	20,644	R <sup>36</sup> 23,066	3,385	R <sup>3</sup> 2,219	16,157	R <sup>22</sup> 18,376	5,498	5,844	15,544	386	13,760	41,113	70,813	70,933
1976	9,992	R <sup>8</sup> 2,679	22,621	R <sup>41</sup> 25,292	4,379	R <sup>3</sup> 2,739	18,148	R <sup>26</sup> 20,887	5,448	7,484	18,384	443	16,083	47,887	77,759	77,880
1977	11,324	R <sup>9</sup> 2,968	26,132	R <sup>47</sup> 29,100	5,094	R <sup>4</sup> 2,411	21,023	R <sup>30</sup> 23,434	5,360	8,958	22,190	464	18,956	55,996	86,047	86,160
1978	12,565	R <sup>9</sup> 3,228	29,069	R <sup>51</sup> 32,297	5,812	R <sup>4</sup> 2,350	23,166	R <sup>33</sup> 25,516	5,722	10,114	23,203	511	21,798	61,710	92,003	92,128
1979	14,772	R <sup>11</sup> 3,667	31,683	R <sup>58</sup> 35,350	7,623	R <sup>5</sup> 2,659	25,433	R <sup>38</sup> 40,092	6,247	12,110	33,705	512	24,797	77,630	122,688	122,826
1980	17,497	R <sup>12</sup> 4,015	38,458	R <sup>69</sup> 42,473	8,858	R <sup>7</sup> 2,909	30,611	R <sup>47</sup> 33,520	5,888	16,350	42,765	529	28,863	94,316	163,517	163,680
1981	19,502	R <sup>13</sup> 4,372	44,780	R <sup>78</sup> 53,152	10,085	R <sup>7</sup> 2,794	37,484	R <sup>55</sup> 40,278	6,441	20,432	47,171	558	34,007	108,581	184,946	R <sup>185</sup> 203
1982	23,987	R <sup>12</sup> 4,722	50,045	R <sup>87</sup> 54,767	12,565	R <sup>6</sup> 2,865	41,759	R <sup>61</sup> 44,624	5,301	20,504	41,841	540	35,364	103,503	173,553	R <sup>173</sup> 968
1983	26,564	R <sup>11</sup> 5,079	53,918	R <sup>92</sup> 58,997	13,602	R <sup>7</sup> 2,992	43,529	R <sup>65</sup> 46,521	4,735	21,461	38,437	610	37,017	102,220	156,841	R <sup>157</sup> 417
1984	27,873	R <sup>12</sup> 5,338	55,777	R <sup>97</sup> 61,115	14,012	R <sup>7</sup> 2,948	47,304	R <sup>69</sup> 50,252	5,420	23,763	41,470	622	39,050	110,309	156,979	R <sup>157</sup> 636
1985	27,136	R <sup>12</sup> 5,572	58,672	R <sup>99</sup> 64,244	13,368	R <sup>6</sup> 2,996	50,092	R <sup>70</sup> 53,088	5,252	21,615	38,876	619	40,190	106,528	160,745	R <sup>161</sup> 475
1986	25,147	R <sup>10</sup> 6,011	60,776	R <sup>97</sup> 66,787	11,770	R <sup>5</sup> 2,166	51,449	R <sup>68</sup> 53,615	4,745	16,479	30,567	639	39,271	91,669	125,353	R <sup>126</sup> 039
1987	23,926	R <sup>10</sup> 6,267	63,318	R <sup>98</sup> 69,585	11,601	R <sup>5</sup> 2,377	51,900	R <sup>69</sup> 54,277	4,448	15,909	31,092	636	39,109	R <sup>91</sup> 210	136,807	R <sup>137</sup> 644
1988	25,332	R <sup>10</sup> 6,512	66,793	R <sup>103</sup> 73,305	12,377	R <sup>4</sup> 2,950	54,411	R <sup>71</sup> 57,361	4,744	17,257	29,123	662	40,507	92,418	141,382	R <sup>142</sup> 221
1989	26,951	R <sup>12</sup> 6,767	69,243	R <sup>109</sup> 76,010	12,908	R <sup>5</sup> 2,933	57,460	R <sup>75</sup> 60,393	4,650	18,770	28,561	1,323	42,255	95,705	155,591	R <sup>156</sup> 510
1990	25,439	R <sup>11</sup> 7,027	72,378	R <sup>110</sup> 79,405	12,681	R <sup>5</sup> 2,986	60,627	R <sup>79</sup> 63,608	4,636	19,348	34,132	906	43,358	102,411	178,852	R <sup>179</sup> 732
1991	26,508	R <sup>11</sup> 7,273	76,828	R <sup>115</sup> 84,101	13,175	R <sup>5</sup> 2,224	63,407	R <sup>82</sup> 65,631	4,332	18,912	R <sup>32</sup> 494	1,034	44,201	R <sup>101</sup> 028	170,589	R <sup>171</sup> 544
1992	27,599	R <sup>10</sup> 7,528	76,848	R <sup>116</sup> 84,376	13,685	R <sup>4</sup> 2,796	64,233	R <sup>83</sup> 67,029	4,245	20,553	R <sup>32</sup> 208	1,079	45,474	R <sup>103</sup> 699	171,482	R <sup>172</sup> 544
1993	30,533	R <sup>10</sup> 7,758	82,814	R <sup>124</sup> 90,572	14,967	R <sup>4</sup> 2,209	67,626	R <sup>87</sup> 70,835	4,060	22,367	R <sup>31</sup> 518	1,146	45,726	R <sup>104</sup> 913	173,704	174,082
1994	31,028	R <sup>10</sup> 7,908	84,552	R <sup>126</sup> 92,460	15,927	R <sup>4</sup> 1,162	69,637	R <sup>90</sup> 70,804	4,060	22,556	R <sup>33</sup> 612	1,279	46,257	R <sup>107</sup> 978	178,724	179,123
1995	29,362	R <sup>10</sup> 8,289	87,610	R <sup>127</sup> 95,899	15,383	R <sup>3</sup> 2,956	72,481	R <sup>92</sup> 75,437	4,068	21,487	R <sup>34</sup> 177	1,699	45,402	R <sup>107</sup> 067	186,411	186,813
1996	33,219	R <sup>12</sup> 8,576	90,503	R <sup>137</sup> 98,781	17,106	R <sup>4</sup> 2,879	74,121	R <sup>96</sup> 76,999	3,943	26,167	R <sup>40</sup> 853	1,432	46,102	R <sup>118</sup> 654	207,078	207,483
1997	34,590	R <sup>12</sup> 8,829	90,704	R <sup>138</sup> 101,533	18,755	R <sup>4</sup> 2,531	77,153	R <sup>100</sup> 79,684	3,887	28,411	R <sup>39</sup> 886	1,435	45,610	R <sup>119</sup> 400	207,940	208,353
1998	30,875	R <sup>9</sup> 8,852	93,360	R <sup>134</sup> 104,212	16,667	R <sup>3</sup> 2,575	78,999	R <sup>99</sup> 81,566	3,566	24,515	R <sup>32</sup> 143	1,600	45,634	R <sup>107</sup> 647	183,368	183,775
1999	31,577	R <sup>11</sup> 9,017	93,482	R <sup>137</sup> 104,999	16,351	R <sup>3</sup> 2,931	79,141	R <sup>99</sup> 81,072	3,457	24,079	R <sup>36</sup> 966	1,786	45,429	R <sup>111</sup> 857	207,433	207,843
2000	38,959	R <sup>17</sup> 9,283	98,209	R <sup>155</sup> 107,492	21,339	R <sup>6</sup> 2,674	85,129	R <sup>113</sup> 107,808	3,507	34,624	R <sup>52</sup> 066	1,888	47,859	R <sup>140</sup> 090	R <sup>276</sup> 642	R <sup>277</sup> 090
2001	46,189	R <sup>17</sup> 9,619	103,158	R <sup>167</sup> 112,777	25,879	R <sup>6</sup> 2,225	93,402	R <sup>125</sup> 95,627	3,572	38,597	R <sup>47</sup> 173	2,216	48,519	R <sup>140</sup> 158	R <sup>260</sup> 785	R <sup>261</sup> 295
2002	38,490	R <sup>14</sup> 9,549	106,834	R <sup>160</sup> 116,383	20,926	R <sup>5</sup> 1,187	93,763	R <sup>120</sup> 114,690	3,526	31,031	R <sup>45</sup> 685	2,592	46,606	R <sup>129</sup> 620	R <sup>251</sup> 441	R <sup>251</sup> 919
2003	48,278	R <sup>18</sup> 10,010	111,249	R <sup>178</sup> 121,259	26,411	R <sup>7</sup> 1,137	96,263	R <sup>130</sup> 126,474	3,552	41,168	R <sup>54</sup> 228	1,935	49,962	R <sup>151</sup> 015	R <sup>294</sup> 544	R <sup>295</sup> 188
2004	52,265	R <sup>20</sup> 10,264	115,577	R <sup>189</sup> 125,841	29,518	R <sup>8</sup> 2,233	100,546	R <sup>138</sup> 130,764	4,064	47,322	R <sup>71</sup> 052	1,919	51,491	R <sup>176</sup> 973	R <sup>365</sup> 526	R <sup>366</sup> 208
2005	61,196	R <sup>24</sup> 10,320	128,393	R <sup>215</sup> 138,713	33,838	R <sup>10</sup> 2,331	110,522	R <sup>155</sup> 122,853	5,004	55,247	R <sup>88</sup> 285	3,451	56,229	R <sup>208</sup> 849	R <sup>466</sup> 785	R <sup>467</sup> 644
2006	59,834	R <sup>23</sup> 10,531	140,582	R <sup>225</sup> 151,113	33,736	R <sup>10</sup> 2,563	122,914	R <sup>167</sup> 135,478	5,405	52,363	R <sup>106</sup> 621	R <sup>3</sup> 483	59,764	R <sup>228</sup> 144	R <sup>537</sup> 500	R <sup>538</sup> 436
2007	R <sup>61</sup> 598	R <sup>26</sup> 10,468	148,295	R <sup>237</sup> 168,793	R <sup>34</sup> 005	R <sup>11</sup> 2,410	128,903	R <sup>174</sup> 141,313	R <sup>5</sup> 439	R <sup>51</sup> 037	R <sup>113</sup> 491	R <sup>3</sup> 155	62,934	R <sup>236</sup> 403	R <sup>584</sup> 045	R <sup>585</sup> 070
2008	67,851	32,071	155,433	257,448	38,476	14,996	138,469	192,541	6,290	61,743	131,958	3,375	65,840	270,673	686,871	688,024
2009	57,839	24,425	157,008	240,768	31,012	10,587	132,940	175,027	5,388	36,381	80,583	2,277	59,662	184,248	460,114	461,209

<sup>1</sup> Prices are not adjusted for inflation. 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 and wood-derived fuels, which are not separately displayed.

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

<sup>6</sup> Includes coal, wood and wood-derived fuels, and biomass waste, which are not separately displayed. Through 2000, also includes non-biomass waste.

<sup>7</sup> For 1981-1992, includes fuel ethanol blended into motor gasoline that is not included in the petroleum data for those years.

<sup>8</sup> Wood and wood-derived fuels, and biomass waste; excludes fuel ethanol and biodiesel. Through

2000, also includes non-biomass waste.

<sup>9</sup> Includes coal coke imports and exports, which are not separately displayed.

<sup>10</sup> Includes coal, natural gas, and retail electricity, which are not separately displayed.

R=Revised.

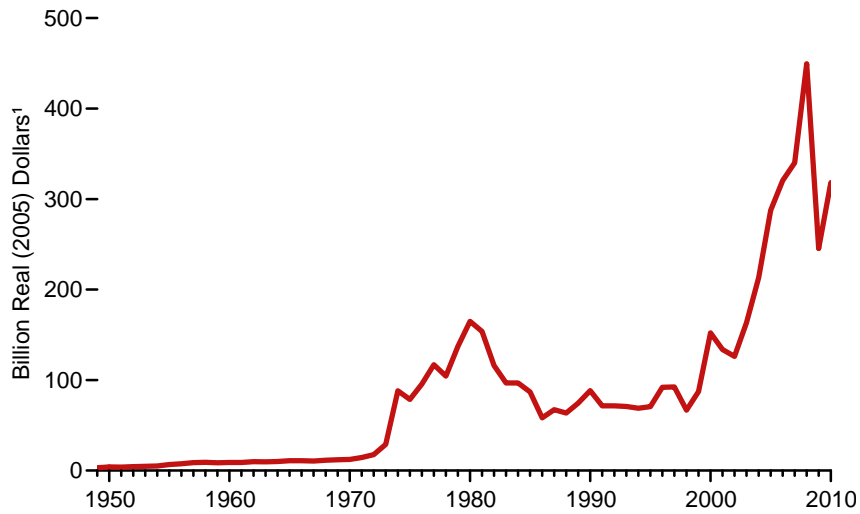
Notes: • Expenditures include taxes where data are available. • There are no direct fuel costs for hydroelectric, geothermal, wind, or solar energy. • Totals may not equal the sum of components due to independent rounding.

Web Page: For related information, see <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

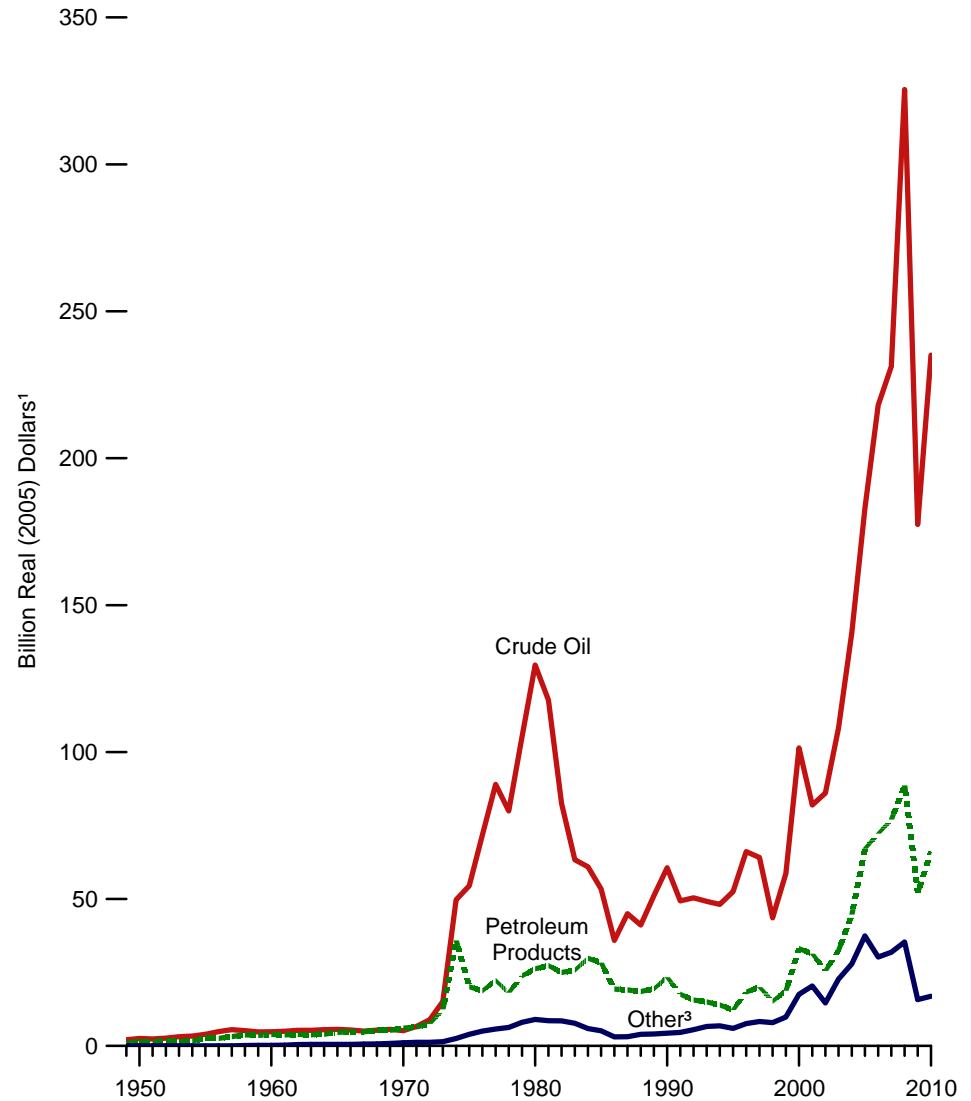
Source: U.S. Energy Information Administration, "State Energy Data 2009: Prices and Expenditures" (June 2011), U.S. Tables ET3-ET6.

**Figure 3.7 Value of Fossil Fuel Imports**

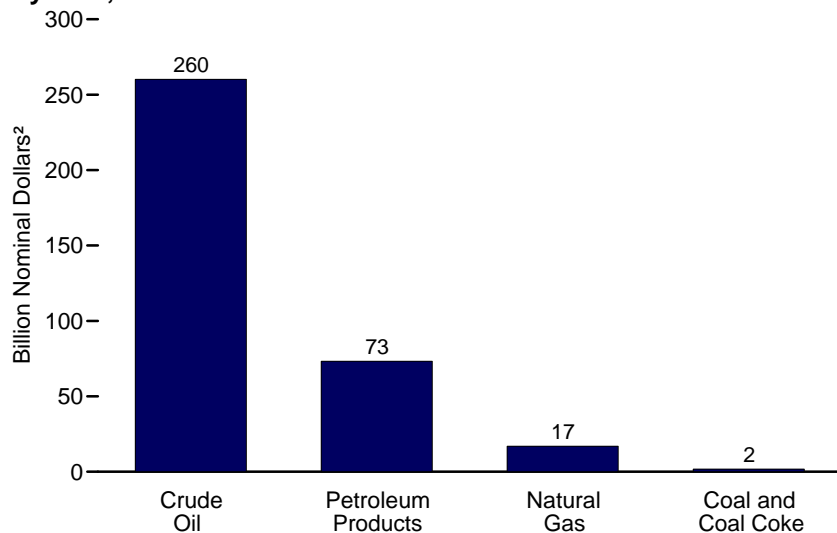
**Total, 1949-2010**



**By Fuel, 1949-2010**



**By Fuel, 2010**



<sup>1</sup> In chained (2005) 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.

<sup>3</sup> Natural gas, coal, and coal coke. Source: Table 3.7.

**Table 3.7 Value of Fossil Fuel Imports, Selected Years, 1949-2010**

(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)	0.02	(s)	0.03	0.00	0.00	0.30	2.10	0.14	0.95	0.45	3.09
1950	(s)	.02	.01	.04	.00	.00	.37	2.52	.21	1.47	.59	4.04
1955	(s)	.02	(s)	.01	(s)	.01	.65	3.95	.44	2.66	1.10	6.64
1960	(s)	.01	(s)	.01	.03	.15	.90	4.81	.73	3.93	1.66	8.92
1965	(s)	.01	(s)	.01	.11	.53	1.12	5.62	.92	4.64	2.15	10.80
1970	(s)	(s)	(s)	.01	.26	1.06	1.26	5.18	1.48	6.10	3.00	12.35
1975	.02	.06	.16	.47	1.15	3.43	18.29	54.50	6.77	20.17	26.39	78.62
1976	.02	.05	.11	.31	1.66	4.68	25.46	71.73	6.65	18.74	33.90	95.51
1977	.04	.10	.13	.35	2.00	5.30	33.59	88.98	8.42	22.30	44.18	117.03
1978	.07	.18	.41	1.01	2.06	5.10	32.30	79.95	7.30	18.08	42.15	104.32
1979	.05	.12	.34	.78	3.13	7.14	46.06	105.25	10.45	23.88	60.03	137.17
1980	.03	.06	.05	.11	4.21	8.82	61.90	129.63	12.54	26.26	78.74	164.89
1981	.03	.06	.04	.08	4.41	8.45	61.46	117.68	14.30	27.38	80.24	153.64
1982	.02	.04	.01	.02	4.69	8.47	45.72	82.52	13.86	25.02	64.31	116.06
1983	.04	.07	(s)	(s)	4.39	7.62	36.49	63.35	14.84	25.76	55.77	96.81
1984	.05	.08	.05	.08	3.44	5.75	36.44	60.98	17.87	29.89	57.84	96.78
1985	.07	.11	.04	.07	3.05	4.95	32.90	53.43	17.47	28.37	53.53	86.93
1986	.08	.13	.03	.04	1.82	2.90	22.61	35.92	12.18	19.35	36.72	58.34
1987	.06	.09	.05	.08	1.93	2.98	29.13	44.98	12.37	19.09	43.54	67.22
1988	.06	.10	.19	.29	2.38	3.55	27.55	41.12	12.43	18.56	42.62	63.62
1989	.10	.14	.22	.31	2.51	3.60	35.53	51.11	13.50	19.42	51.85	74.58
1990	.09	.13	.07	.10	2.97	4.12	43.78	60.64	16.90	23.41	63.83	88.40
1991	.11	.15	.09	.12	3.24	4.33	36.90	49.36	13.17	17.62	53.51	71.58
1992	.13	.17	.14	.19	3.96	5.17	38.55	50.37	11.98	15.66	54.77	71.56
1993	.25	.32	.17	.21	4.77	6.10	38.47	49.18	11.74	15.01	55.40	70.82
1994	.27	.34	.27	.34	4.90	6.14	38.48	48.18	11.14	13.95	55.07	68.95
1995	.32	.40	.33	.40	4.23	5.19	42.81	52.51	9.95	12.20	57.64	70.69
1996	.27	.33	.24	.29	5.79	6.97	54.93	66.11	15.27	18.38	76.51	92.08
1997	.26	.30	.25	.30	6.50	7.68	54.23	64.13	<sup>5</sup> 16.93	<sup>5</sup> 20.02	78.16	92.43
1998	.28	.33	.29	.34	6.21	7.26	37.25	43.56	13.01	15.22	57.05	66.71
1999	.28	.32	.23	.26	8.03	9.26	50.89	58.65	16.28	18.77	75.71	87.26
2000	.38	.42	.25	.28	14.94	16.85	89.88	101.39	29.38	33.14	134.81	152.08
2001	.67	.74	.19	.21	17.62	19.44	74.29	81.96	28.45	31.39	121.23	133.73
2002	.60	.65	.24	.27	12.61	13.69	79.25	86.03	23.52	25.53	116.22	126.17
2003	.79	.84	.24	.25	20.39	21.67	101.80	108.18	30.64	32.56	153.85	163.49
2004	1.02	1.06	1.23	1.27	24.74	25.57	136.03	140.57	43.24	44.68	206.26	213.15
2005	1.42	1.42	.78	.78	35.25	35.25	182.94	182.94	67.12	67.12	287.52	287.52
2006	1.78	1.72	.64	.62	28.80	27.89	225.16	218.05	74.56	72.21	330.93	320.49
2007	1.73	1.63	.48	.45	31.65	<sup>R</sup> 29.78	245.77	<sup>R</sup> 231.21	81.85	<sup>R</sup> 77.00	361.48	<sup>R</sup> 340.07
2008	2.05	<sup>R</sup> 1.88	1.68	1.54	<sup>R</sup> 34.66	<sup>R</sup> 31.91	353.54	<sup>R</sup> 325.48	96.31	<sup>R</sup> 88.67	<sup>R</sup> 488.23	<sup>R</sup> 449.49
2009	1.45	1.32	.09	.08	<sup>R</sup> 15.72	<sup>R</sup> 14.34	<sup>R</sup> 194.60	<sup>R</sup> 177.53	57.23	<sup>R</sup> 52.21	<sup>R</sup> 269.09	<sup>R</sup> 245.49
2010	<sup>P</sup> 1.39	<sup>P</sup> 1.26	<sup>P</sup> .40	<sup>P</sup> .36	<sup>E</sup> 16.89	<sup>E</sup> 15.26	<sup>P</sup> 260.13	<sup>P</sup> 235.07	<sup>P</sup> 73.23	<sup>P</sup> 66.17	<sup>P</sup> 352.04	<sup>P</sup> 318.13

<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 (2005) 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.

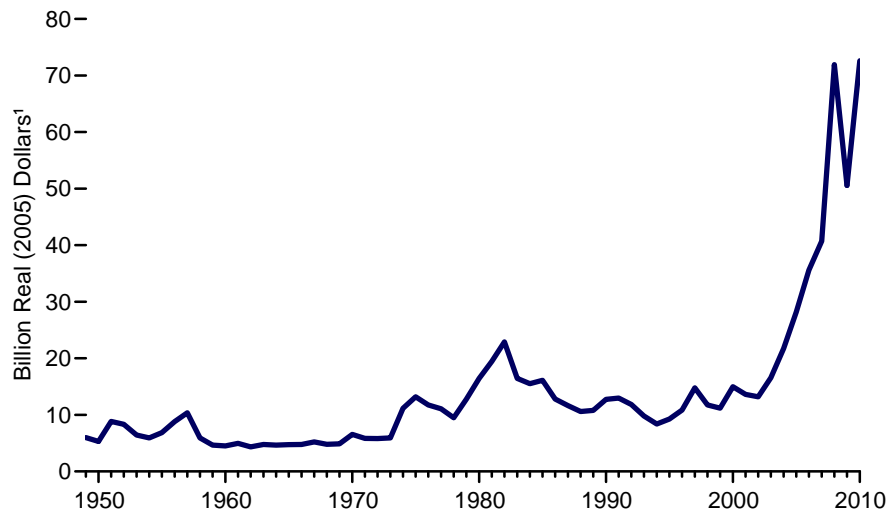
Web Page: For all data beginning in 1949, see <http://www.eia.gov/totalenergy/data/annual/#financial>.

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

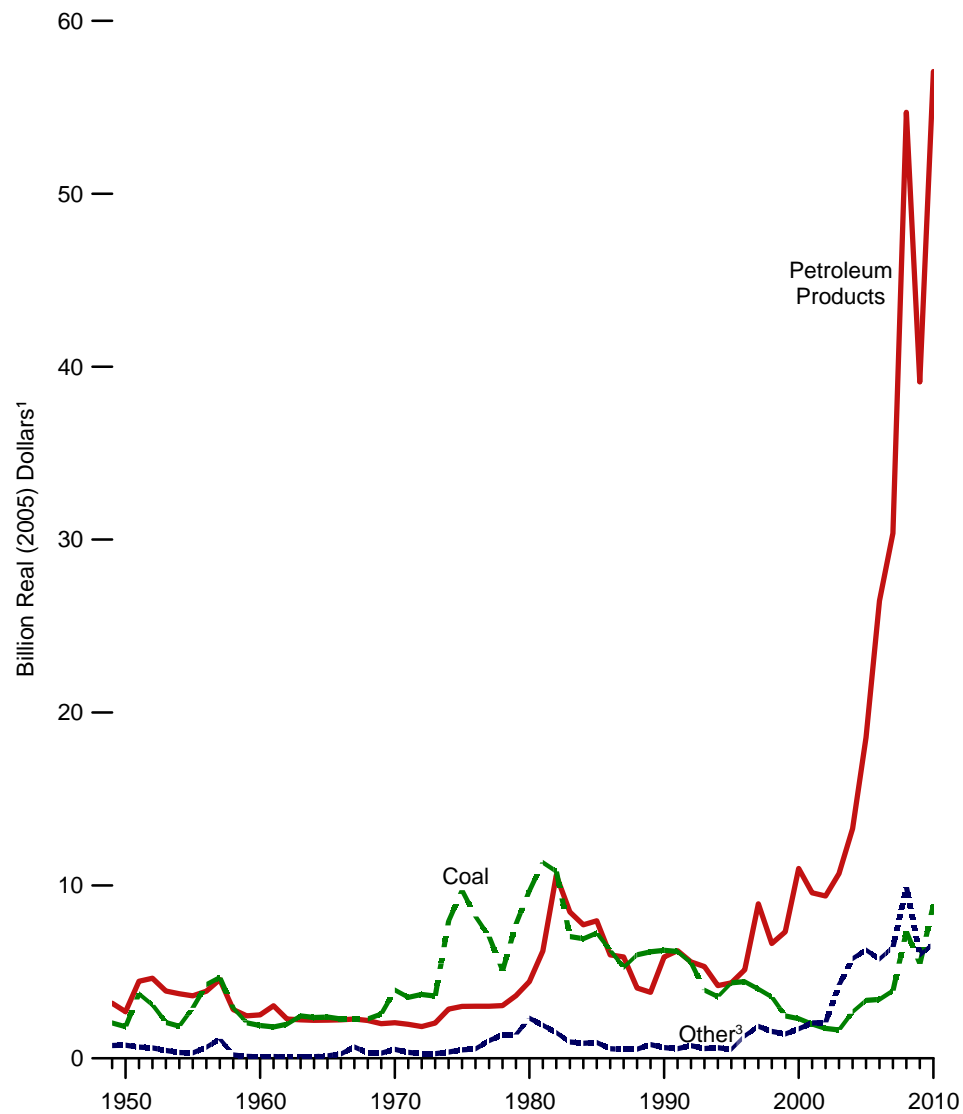
**Natural Gas:** • 1949-1962—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT110. • 1963—Bureau of the Census, *U.S. Imports of Merchandise for Consumption*, FT125. • 1964-1971—Bureau of the Census, *U.S. Imports for Consumption and General Imports*, FT246. • 1972 and 1973—Federal Power Commission (FPC), *Pipeline Imports and Exports of Natural Gas - Imports and Exports of LNG*. • 1974-1977—FPC, *United States Imports and Exports of Natural Gas*, annual reports. • 1978-1981—U.S. Energy Information Administration (EIA), *U.S. Imports and Exports of Natural Gas*, annual reports. • 1982-2008—EIA, *Natural Gas Monthly (NGM)*, monthly reports. • 2009—EIA, NGM (April 2011), Table 4. • 2010—EIA estimate based on volume and revenue data from U.S. Department of Energy, Office of Fossil Energy. **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**

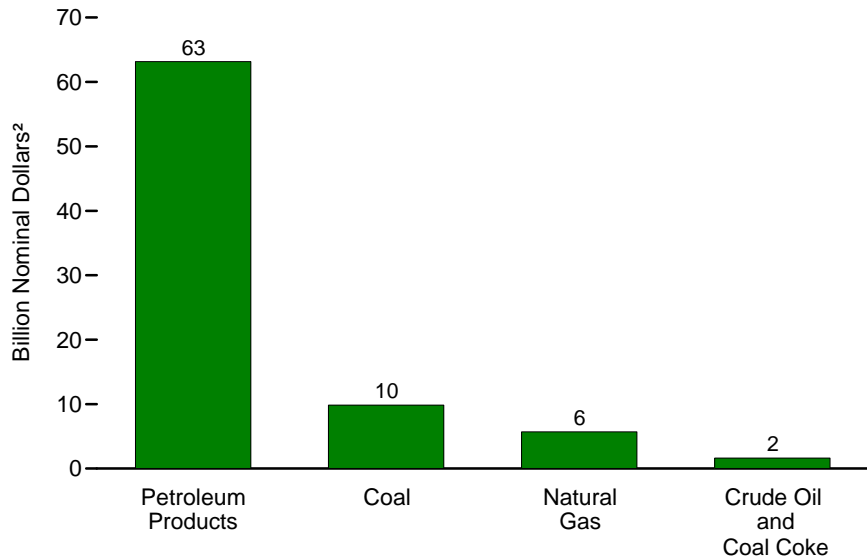
**Total, 1949-2010**



**By Fuel, 1949-2010**



**By Fuel, 2010**



<sup>1</sup> In chained (2005) 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.

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

Source: Table 3.8.



**Table 3.8 Value of Fossil Fuel Exports, Selected Years, 1949-2010**

(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	2.05	0.01	0.06	(s)	0.01	0.10	0.68	0.46	3.19	0.87	5.99
1950	.27	1.84	.01	.04	(s)	.02	.10	.70	.39	2.69	.78	5.30
1955	.48	2.92	.01	.05	.01	.04	.04	.23	.60	3.61	1.14	6.86
1960	.35	1.90	.01	.04	(s)	.02	.01	.04	.47	2.51	.84	4.51
1965	.48	2.39	.02	.08	.01	.04	(s)	.02	.44	2.21	.95	4.74
1970	.96	3.95	.08	.32	.03	.12	.02	.08	.50	2.06	1.59	6.54
1975	3.26	9.71	.07	.22	.09	.27	(s)	(s)	1.01	3.00	4.43	13.20
1976	2.91	8.20	.07	.19	.10	.28	.03	.08	1.07	3.01	4.17	11.76
1977	2.66	7.03	.07	.19	.11	.28	.21	.55	1.14	3.01	4.18	11.08
1978	2.05	5.07	.05	.12	.11	.28	.39	.96	1.23	3.05	3.83	9.49
1979	3.40	7.76	.08	.18	.13	.29	.39	.90	1.58	3.62	5.58	12.76
1980	4.63	9.69	.13	.27	.23	.48	.75	1.57	2.12	4.44	7.86	16.46
1981	5.92	11.33	.07	.14	.35	.67	.58	1.10	3.24	6.20	10.16	19.45
1982	5.99	10.81	.06	.11	.30	.54	.47	.85	5.86	10.58	12.68	22.89
1983	4.06	7.04	.05	.08	.28	.48	.22	.39	4.88	8.47	9.48	16.46
1984	4.13	6.91	.07	.12	.27	.45	.19	.31	4.62	7.72	9.27	15.51
1985	4.47	7.25	.08	.12	.26	.43	.23	.37	4.90	7.95	9.93	16.12
1986	3.93	6.24	.07	.10	.17	.27	.12	.19	3.77	5.98	8.05	12.79
1987	3.40	5.26	.05	.07	.17	.26	.13	.19	3.80	5.86	7.54	11.64
1988	4.01	5.99	.08	.12	.20	.30	.08	.12	2.72	4.07	7.09	10.59
1989	4.29	6.17	.08	.12	.27	.39	.21	.30	2.65	3.82	7.49	10.78
1990	4.51	6.25	.05	.07	.27	.37	.14	.19	4.23	5.86	9.20	12.74
1991	4.62	6.18	.05	.07	.33	.45	.03	.04	4.65	6.22	9.69	12.96
1992	4.24	5.54	.04	.06	.49	.64	.03	.04	4.27	5.58	9.07	11.85
1993	3.09	3.95	.06	.08	.36	.46	.02	.03	4.15	5.30	7.68	9.81
1994	2.85	3.57	.04	.05	.40	.51	.05	.06	3.36	4.21	6.71	8.40
1995	3.57	4.37	.05	.06	.37	.45	.01	.01	3.56	4.37	7.55	9.26
1996	3.69	4.44	.06	.07	.46	.55	.56	.67	4.25	5.12	9.02	10.85
1997	3.39	4.01	.05	.06	.47	.56	1.04	1.23	<sup>4</sup> 7.55	<sup>4</sup> 8.93	12.51	14.79
1998	3.04	3.55	.04	.05	.39	.46	.90	1.05	5.68	6.64	10.04	11.75
1999	2.13	2.46	.03	.03	.43	.49	.77	.89	6.35	7.31	9.71	11.19
2000	2.04	2.30	.05	.06	1.00	1.13	.46	.52	9.73	10.97	13.28	14.98
2001	1.80	1.98	.11	.12	1.56	1.73	.19	.21	8.68	9.58	12.34	13.61
2002	1.60	1.74	.06	.07	1.76	1.91	.09	.10	8.65	9.39	12.17	13.21
2003	1.55	1.64	.07	.07	3.77	4.00	.16	.17	10.05	10.68	15.59	16.57
2004	2.60	2.68	.11	.11	5.20	5.38	.28	.29	12.85	13.28	21.04	21.74
2005	3.35	3.35	.15	.15	5.53	5.53	.60	.60	18.56	18.56	28.18	28.18
2006	3.52	3.41	.13	.12	4.94	4.79	.85	.83	27.32	26.46	36.77	35.61
2007	4.16	3.91	.13	.12	5.69	<sup>R</sup> 5.35	1.02	<sup>R</sup> .95	32.28	<sup>R</sup> 30.37	43.27	<sup>R</sup> 40.71
2008	7.96	<sup>R</sup> 7.33	.21	.19	<sup>R</sup> 8.26	<sup>R</sup> 7.61	2.27	2.09	59.43	<sup>R</sup> 54.71	<sup>R</sup> 78.13	<sup>R</sup> 71.93
2009	5.99	<sup>R</sup> 5.47	.14	.12	<sup>R</sup> 4.79	<sup>R</sup> 4.37	1.62	1.48	<sup>R</sup> 42.89	<sup>R</sup> 39.13	<sup>R</sup> 55.43	<sup>R</sup> 50.57
2010	<sup>P</sup> 9.84	<sup>P</sup> 8.89	<sup>P</sup> .24	<sup>P</sup> .22	<sup>E</sup> 5.70	<sup>E</sup> 5.15	<sup>P</sup> 1.38	<sup>P</sup> 1.25	<sup>P</sup> 63.16	<sup>P</sup> 57.07	<sup>P</sup> 80.33	<sup>P</sup> 72.59

<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 (2005) 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.

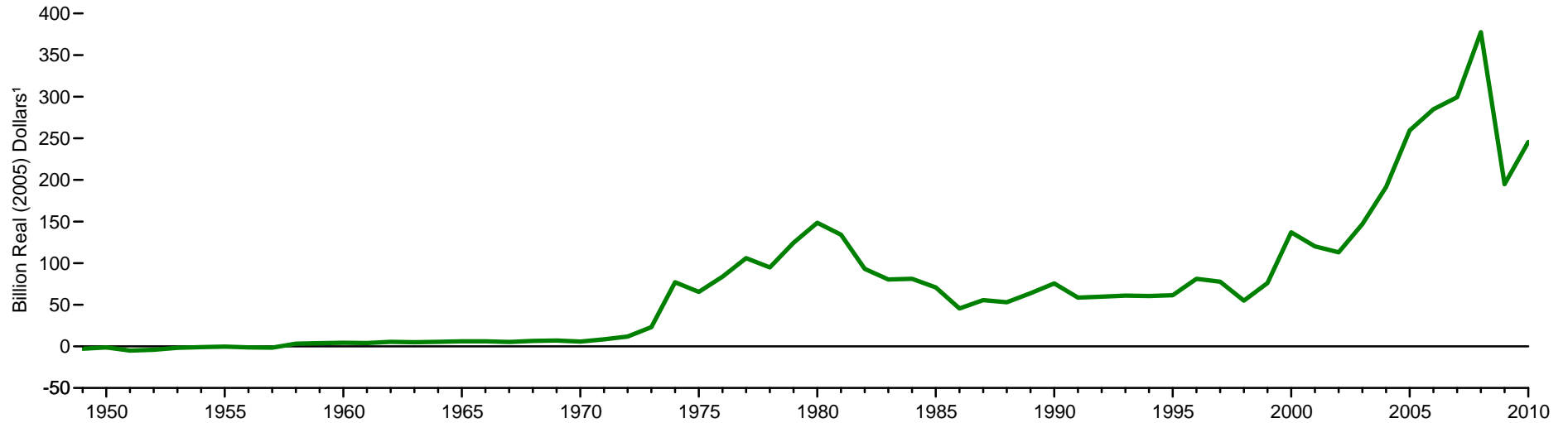
Web Page: For all data beginning in 1949, see <http://www.eia.gov/totalenergy/data/annual/#financial>.

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

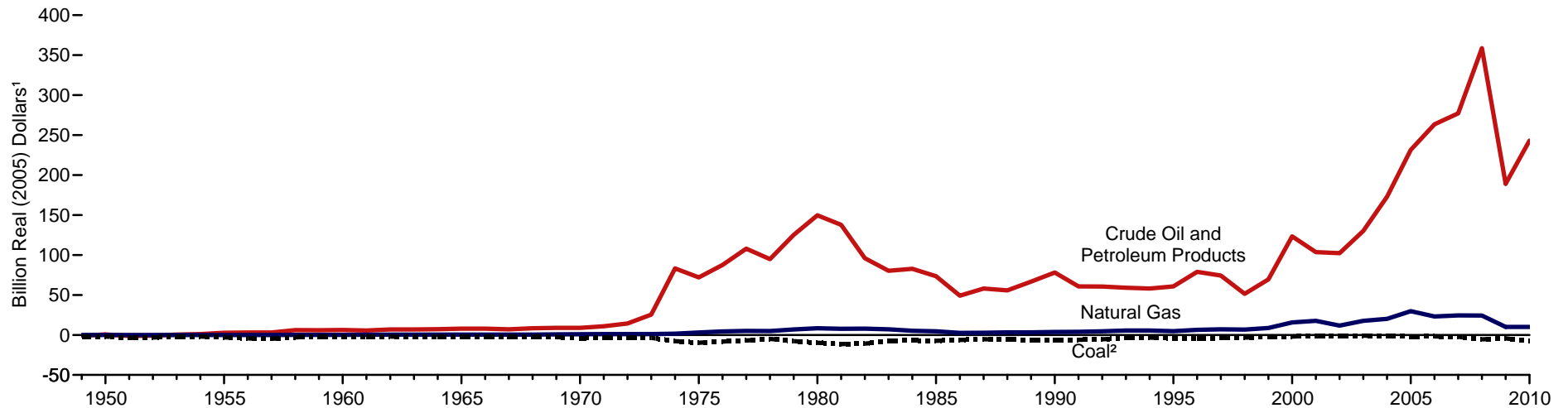
**Natural Gas:** • 1949-1971—Bureau of the Census, *U.S. Exports*, FT410. • 1972 and 1973—Federal Power Commission (FPC), *Pipeline Imports and Exports of Natural Gas - Imports and Exports of LNG*. • 1974-1977—FPC, *United States Imports and Exports of Natural Gas*, annual reports. • 1978-1981—U.S. Energy Information Administration (EIA), *U.S. Imports and Exports of Natural Gas*, annual reports. • 1982-2008—EIA, *Natural Gas Monthly (NGM)*, monthly reports. • 2009—EIA, NGM (April 2011), Table 4. • 2010—EIA estimate based on volume and revenue data from U.S. Department of Energy, Office of Fossil Energy. **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, 1949-2010**

**Value of Fossil Fuel Net Imports**



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



<sup>1</sup> In chained (2005) dollars, 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 net 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, 1949-2010**

(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	-2.04	(s)	-0.03	(s)	-0.01	0.21	1.42	-0.32	-2.24	-0.42	-2.89
1950	-.27	-1.82	(s)	-.01	(s)	-.02	.27	1.82	-.18	-1.23	-.18	-1.26
1955	-.48	-2.91	-.01	-.04	-.01	-.03	.62	3.71	-.16	-.95	-.04	-.22
1960	-.35	-1.89	-.01	-.03	.02	.13	.89	4.77	.26	1.42	.82	4.40
1965	-.48	-2.39	-.01	-.07	.10	.49	1.11	5.60	.48	2.43	1.21	6.06
1970	-.96	-3.95	-.08	-.31	.23	.94	1.24	5.11	.98	4.03	1.41	5.81
1975	-3.24	-9.64	.08	.24	1.06	3.16	18.29	54.50	5.76	17.17	21.96	65.42
1976	-2.89	-8.15	.04	.12	1.56	4.39	25.43	71.65	5.58	15.73	29.72	83.75
1977	-2.62	-6.93	.06	.16	1.89	5.02	33.38	88.43	7.28	19.28	40.00	105.95
1978	-1.98	-4.89	.36	.89	1.95	4.82	31.91	78.98	6.07	15.03	38.31	94.83
1979	-3.35	-7.65	.26	.59	3.00	6.85	45.66	104.35	8.87	20.26	54.44	124.41
1980	-4.60	-9.63	-.08	-.16	3.98	8.34	61.15	128.06	10.42	21.82	70.88	148.43
1981	-5.89	-11.27	-.03	-.06	4.06	7.78	60.88	116.57	11.06	21.18	70.09	134.20
1982	-5.97	-10.77	-.05	-.09	4.39	7.93	45.25	81.67	8.00	14.44	51.63	93.17
1983	-4.01	-6.97	-.04	-.08	4.11	7.13	36.27	62.96	9.96	17.30	46.28	80.35
1984	-4.09	-6.84	-.02	-.04	3.17	5.30	36.26	60.67	13.25	22.17	48.57	81.26
1985	-4.39	-7.14	-.03	-.06	2.79	4.52	32.68	53.07	12.57	20.41	43.60	70.81
1986	-3.85	-6.12	-.04	-.06	1.65	2.62	22.49	35.74	8.42	13.37	28.67	45.55
1987	-3.35	-5.17	.01	.01	1.76	2.72	29.00	44.78	8.57	13.23	36.00	55.58
1988	-3.95	-5.89	.12	.17	2.18	3.25	27.47	41.01	9.71	14.49	35.53	53.03
1989	-4.19	-6.03	.14	.20	2.24	3.22	35.32	50.81	10.85	15.60	44.35	63.80
1990	-4.42	-6.12	.02	.03	2.71	3.75	43.65	60.45	12.67	17.55	54.63	75.66
1991	-4.51	-6.03	.04	.06	2.90	3.88	36.87	49.32	8.52	11.39	43.82	58.62
1992	-4.11	-5.37	.10	.13	3.47	4.54	38.52	50.33	7.72	10.08	45.70	59.71
1993	-2.83	-3.62	.11	.14	4.41	5.64	38.45	49.15	7.59	9.70	47.72	61.01
1994	-2.58	-3.23	.23	.29	4.50	5.63	38.43	48.12	7.78	9.74	48.37	60.55
1995	-3.24	-3.98	.27	.34	3.86	4.73	42.81	52.50	6.39	7.83	50.09	61.43
1996	-3.41	-4.11	.18	.22	5.33	6.42	54.37	65.44	11.01	13.26	67.49	81.22
1997	-3.13	-3.70	.20	.23	6.02	7.12	53.19	62.90	<sup>4</sup> 9.37	<sup>4</sup> 11.09	65.65	77.64
1998	-2.75	-3.22	.25	.29	5.82	6.81	36.36	42.52	7.33	8.58	47.00	54.97
1999	-1.85	-2.14	.20	.23	7.61	8.76	50.12	57.76	9.94	11.45	66.00	76.07
2000	-1.66	-1.88	.20	.23	13.94	15.72	89.41	100.86	19.65	22.16	121.53	137.10
2001	-1.13	-1.24	.08	.09	16.05	17.71	74.11	81.75	19.77	21.81	108.89	120.12
2002	-1.00	-1.09	.18	.20	10.85	11.78	79.16	85.93	14.87	16.14	104.06	112.96
2003	-.76	-.81	.17	.18	16.62	17.66	101.64	108.01	20.59	21.88	138.26	146.92
2004	-1.57	-1.63	1.12	1.16	19.54	20.19	135.75	140.28	30.38	31.40	185.23	191.41
2005	-1.93	-1.93	.63	.63	29.72	29.72	182.35	182.35	48.56	48.56	259.34	259.34
2006	-1.74	-1.69	.51	.49	23.86	23.10	224.30	217.23	47.24	45.75	294.17	284.89
2007	-2.42	-2.28	.35	.33	25.96	<sup>R</sup> 24.42	244.76	<sup>R</sup> 230.26	49.57	<sup>R</sup> 46.63	318.21	<sup>R</sup> 299.36
2008	-5.92	-5.45	1.47	1.35	<sup>R</sup> 26.40	<sup>R</sup> 24.30	351.27	<sup>R</sup> 323.39	36.89	<sup>R</sup> 33.96	<sup>R</sup> 410.10	<sup>R</sup> 377.56
2009	-4.55	<sup>R</sup> -4.15	-.04	-.04	<sup>R</sup> 10.92	<sup>R</sup> 9.97	<sup>R</sup> 192.99	<sup>R</sup> 176.06	<sup>R</sup> 14.34	<sup>R</sup> 13.08	<sup>R</sup> 213.66	<sup>R</sup> 194.92
2010	<sup>P</sup> -8.45	<sup>P</sup> -7.64	<sup>P</sup> .16	<sup>P</sup> .14	<sup>E</sup> 11.19	<sup>E</sup> 10.11	<sup>P</sup> 258.74	<sup>P</sup> 233.82	<sup>P</sup> 10.07	<sup>P</sup> 9.10	<sup>P</sup> 271.71	<sup>P</sup> 245.54

<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 (2005) 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."

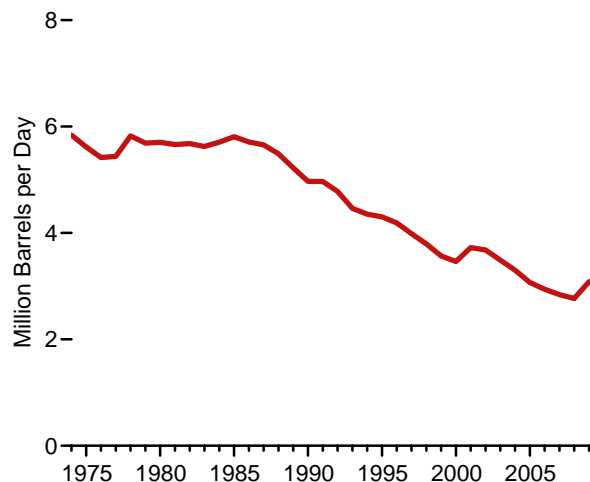
R=Revised. P=Preliminary. E=Estimate. (s)=Less than 0.005 billion and greater than -0.005 billion.

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.

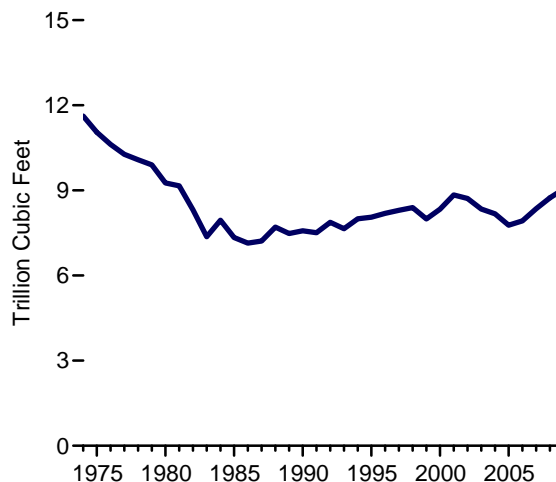
Web Page: For all data beginning in 1949, see <http://www.eia.gov/totalenergy/data/annual/#financial>.  
Sources: Tables 3.7 and 3.8.

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

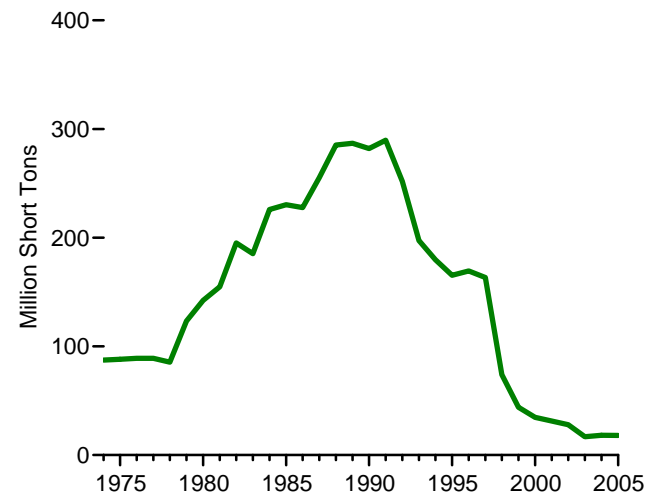
**Crude Oil and Natural Gas Liquids Production by Major Energy Companies, 1974-2009**



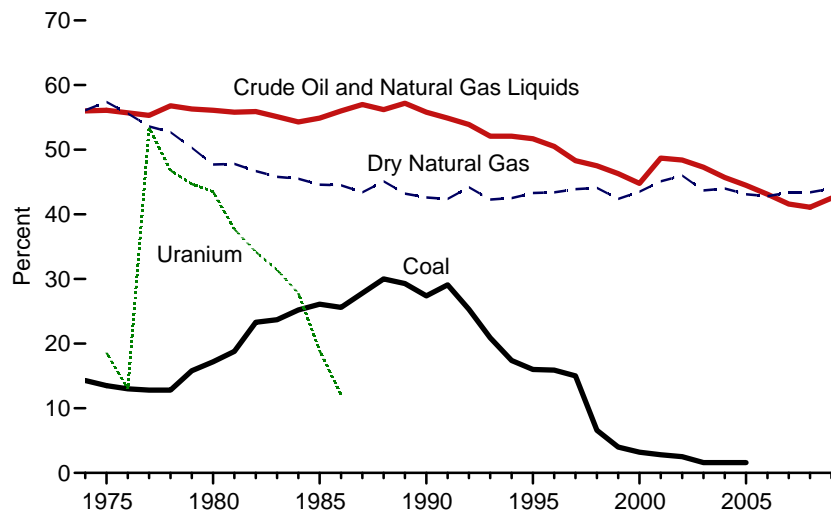
**Dry Natural Gas Production by Major Energy Companies, 1974-2009**



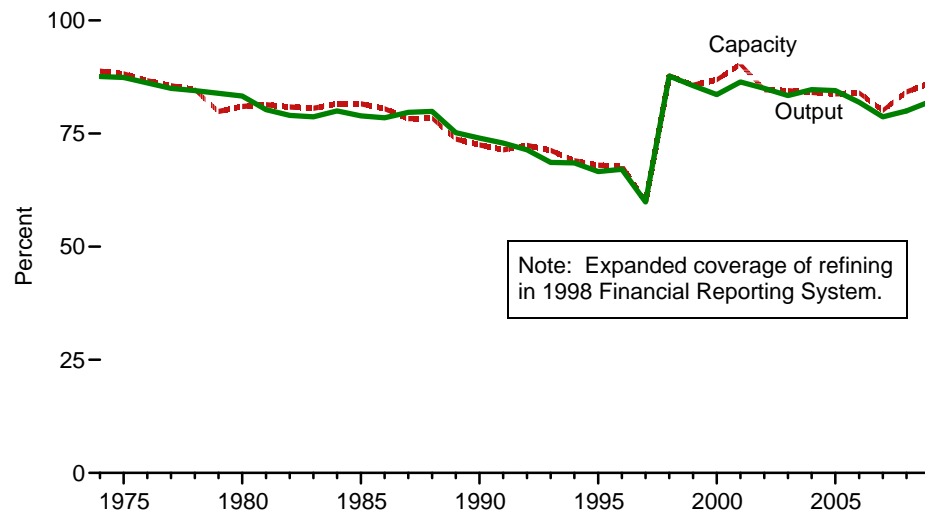
**Coal Production by Major Energy Companies, 1974-2005**



**Major Energy Companies' Shares of U.S. Total Production, 1974-2009**



**Major Energy Companies' Shares of U.S. Refining Capacity and Output, 1974-2009**



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 Financial Reporting System (FRS). See <http://www.eia.gov/finance/performanceprofiles/CoList.html>.

Source: Table 3.10.

**Table 3.10 Major U.S. Energy Companies' Domestic Production and Refining, 1974-2009**

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	14.5	85.6
2000	3.5	44.8	8.3	43.5	34.6	3.2	.0	.0	14.4	86.9	14.4	83.6
2001	3.7	48.7	8.8	45.1	31.3	2.8	.0	.0	15.2	90.3	14.9	86.4
2002	3.7	48.4	8.7	46.0	27.8	2.5	.0	.0	14.2	84.7	14.7	85.0
2003	3.5	47.3	8.3	43.7	16.8	1.6	.0	.0	14.3	84.5	14.6	83.4
2004	3.3	45.7	8.2	44.0	18.1	1.6	.0	.0	14.4	84.1	15.1	84.7
2005	3.1	44.5	7.8	43.1	18.0	1.6	.0	.0	14.5	83.8	15.0	84.5
2006	2.9	43.1	7.9	42.8	NA	NA	.0	.0	14.7	84.0	14.7	81.9
2007	2.8	41.6	8.4	43.4	NA	NA	.0	.0	14.1	80.1	14.2	78.7
2008	2.8	41.1	8.7	<sup>R</sup> 43.4	NA	NA	.0	.0	14.9	84.2	14.5	80.0
2009	3.1	42.5	9.0	44.0	NA	NA	.0	.0	15.2	86.2	14.7	82.1

<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.

R=Revised. NA=Not available.

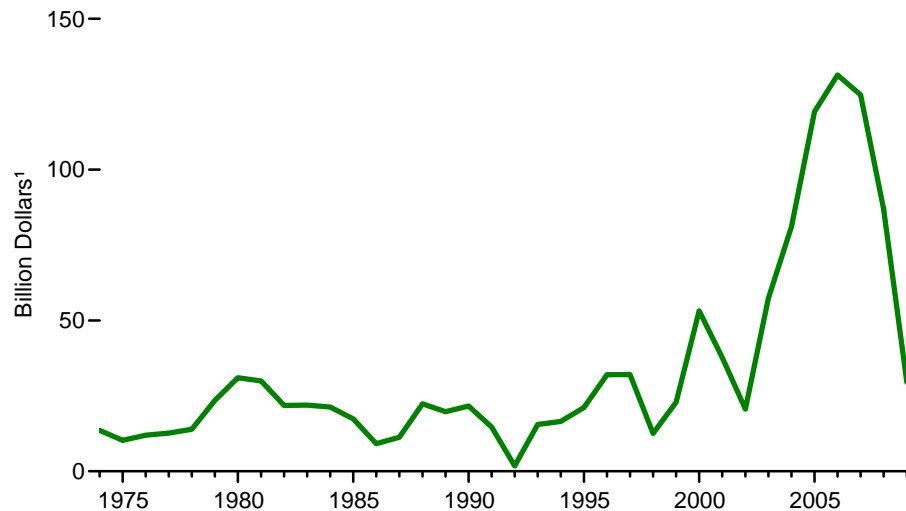
Note: "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the FRS. See <http://www.eia.gov/finance/performanceprofiles/CoList.html>.

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

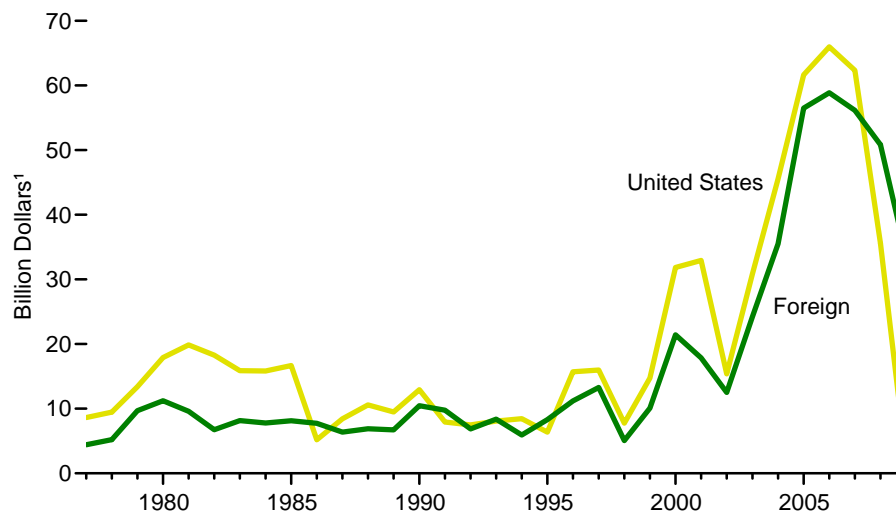
Sources: **Production and Refining:** • 1974-1976—U.S. Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1998. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports. **Percent of U.S. Total:** Tables 5.1, 5.8, 5.9, 6.1,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

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

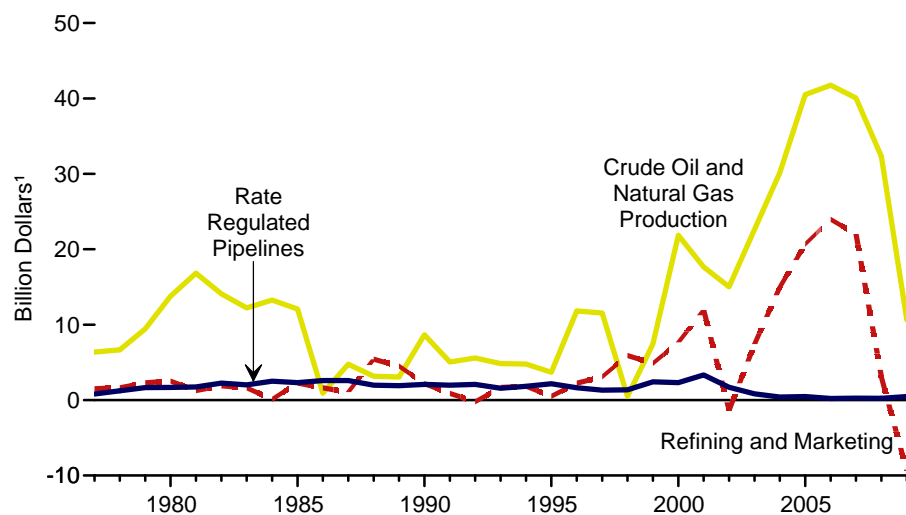
**Total, 1974-2009**



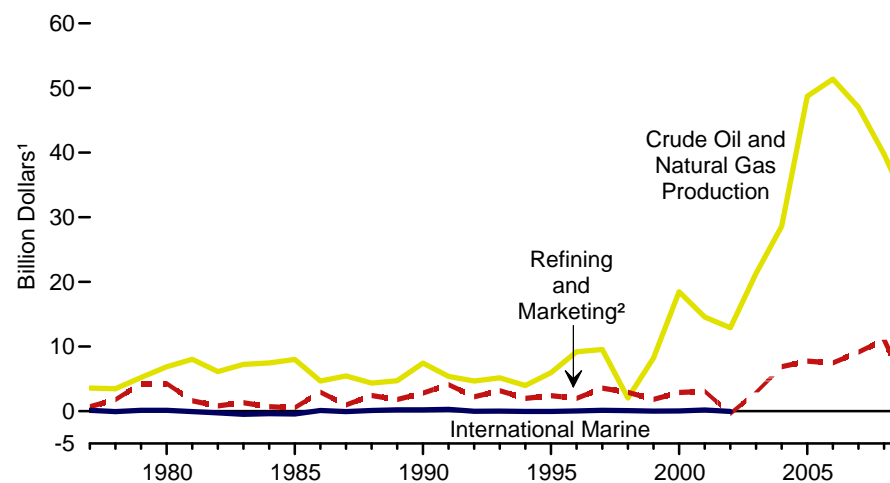
**Petroleum by Location, 1977-2009**



**U.S. Petroleum, 1977-2009**



**Foreign Petroleum, 1977-2009**



<sup>1</sup> Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

<sup>2</sup> Beginning in 2003, includes International Marine.

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 Financial Reporting System (FRS). See <http://www.eia.gov/finance/performanceprofiles/CoList.html>. Source: Table 3.11.

**Table 3.11 Major U.S. Energy Companies' Net Income, 1974-2009**

(Billion 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> 8.2	( <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	<sup>R</sup> 15.0	.4	<sup>R</sup> 45.5	28.6	<sup>8</sup> <sup>R</sup> 6.9	( <sup>8</sup> )	35.5	<sup>R</sup> 81.0	3.3	.6	( <sup>7</sup> )	1.1	4.2	81.1
2005	40.5	<sup>R</sup> 20.7	.5	<sup>R</sup> 61.7	48.7	<sup>8</sup> 7.8	( <sup>8</sup> )	56.5	<sup>R</sup> 118.2	2.2	.4	( <sup>7</sup> )	1.0	4.2	119.2
2006	41.8	<sup>R</sup> 24.0	.2	<sup>R</sup> 66.0	51.4	<sup>8</sup> 7.5	( <sup>8</sup> )	58.9	<sup>R</sup> 125.8	3.7	1.2	( <sup>7</sup> )	.6	6.2	131.4
2007	40.1	<sup>R</sup> 22.0	.3	<sup>R</sup> 62.3	47.0	<sup>8</sup> <sup>R</sup> 9.1	( <sup>8</sup> )	56.2	<sup>R</sup> 118.5	8.8	-1.6	( <sup>7</sup> )	.8	5.6	124.8
2008	32.3	<sup>R</sup> 3.0	.2	<sup>R</sup> 35.6	39.8	<sup>8</sup> 11.1	( <sup>8</sup> )	<sup>R</sup> 50.8	<sup>R</sup> 86.4	3.5	9.3	( <sup>7</sup> )	-.3	-2.4	86.9
2009	10.6	-9.4	.5	1.7	31.0	<sup>8</sup> 2.6	( <sup>8</sup> )	33.6	35.3	6.7	-1.8	( <sup>7</sup> )	.2	1.3	29.5

<sup>1</sup> Prices are not adjusted for inflation. 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.

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

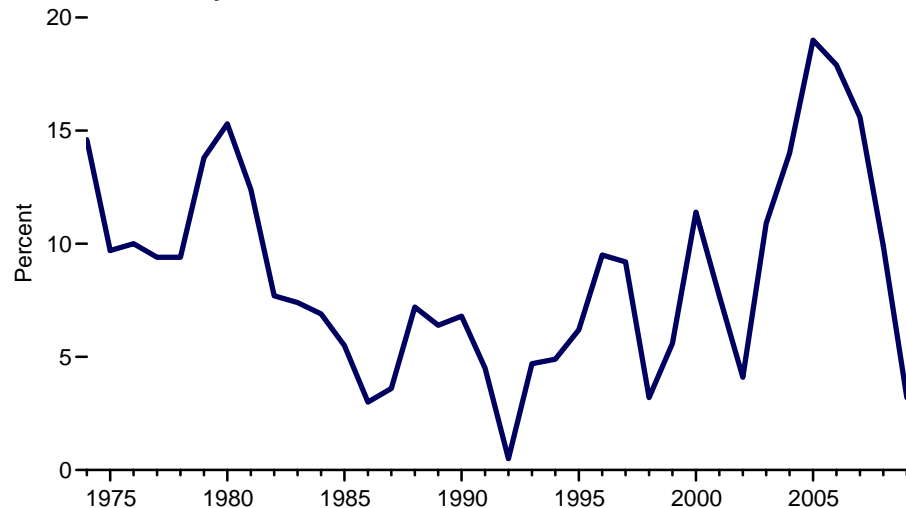
Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System. See <http://www.eia.gov/finance/performanceprofiles/CoList.html>. • "Net income" is operating income plus other income and 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.gov/finance/>.

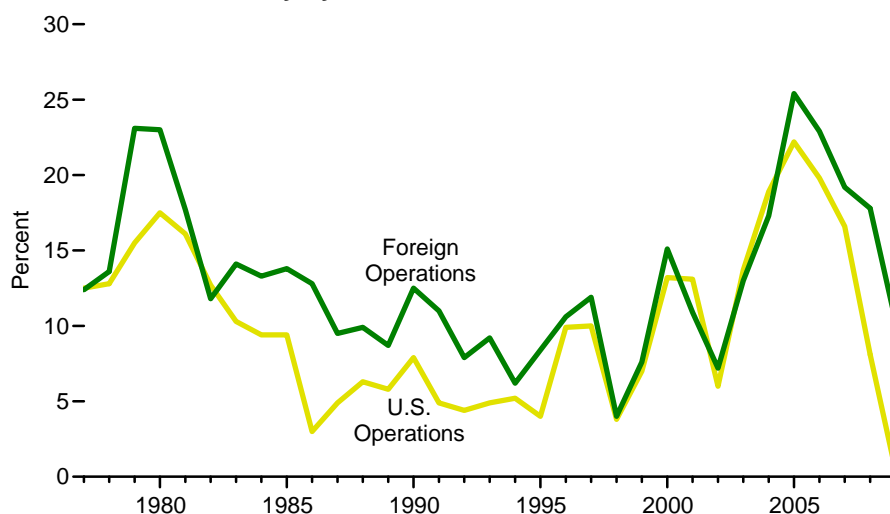
Sources: • 1974-1976—U.S. Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, November 1997. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

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

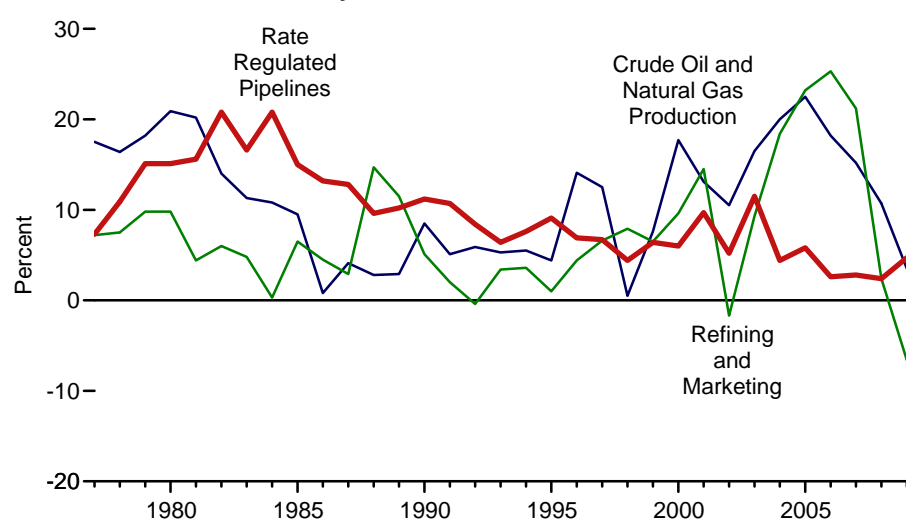
**Total Profitability, 1974-2009**



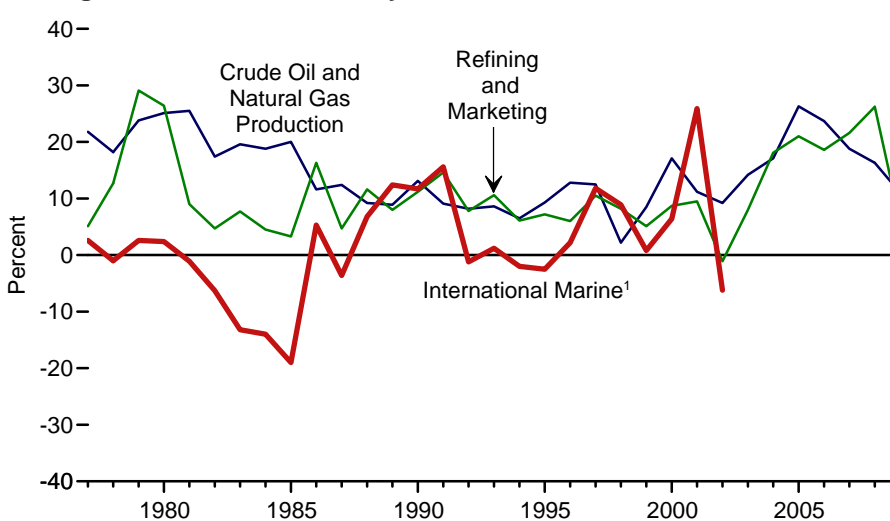
**Petroleum Profitability by Location, 1977-2009**



**U.S. Petroleum Profitability, 1977-2009**



**Foreign Petroleum Profitability, 1977-2009**



<sup>1</sup>From 2003 to 2009, data is included with "Foreign Refining and Marketing" to prevent disclosure.

Note: "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 <http://www.eia.gov/finance/performanceprofiles/CoList.html>.

Source: Table 3.12.



**Table 3.12 Major U.S. Energy Companies' Profitability, 1974-2009**  
(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> 19.3	<sup>1</sup> 11.5	<sup>1</sup> 13.7	<sup>1</sup> 14.2	<sup>1,6</sup> 18.0	( <sup>6</sup> )	<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	<sup>R</sup> 18.4	4.4	18.9	17.1	<sup>6</sup> 18.1	( <sup>6</sup> )	17.3	<sup>R</sup> 18.1	5.9	3.1	( <sup>5</sup> )	24.7	10.7	14.0
2005	22.5	<sup>R</sup> 23.2	5.8	<sup>R</sup> 22.2	26.3	<sup>6</sup> 21.0	( <sup>6</sup> )	<sup>R</sup> 25.4	23.7	4.0	1.7	( <sup>5</sup> )	22.2	11.6	19.0
2006	18.2	<sup>R</sup> 25.3	<sup>R</sup> 2.6	<sup>R</sup> 19.8	23.7	<sup>6</sup> 18.6	( <sup>6</sup> )	22.9	<sup>R</sup> 21.3	5.7	5.6	( <sup>5</sup> )	11.1	14.6	17.9
2007	15.2	<sup>R</sup> 21.2	<sup>R</sup> 2.8	<sup>R</sup> 16.6	18.8	<sup>6</sup> 21.6	( <sup>6</sup> )	19.2	<sup>R</sup> 17.7	15.6	-32.5	( <sup>5</sup> )	6.0	12.5	15.6
2008	10.7	<sup>R</sup> 2.4	2.4	<sup>R</sup> 8.1	16.3	<sup>6</sup> 26.2	( <sup>6</sup> )	17.8	<sup>R</sup> 11.9	5.1	<sup>7</sup> 181.4	( <sup>5</sup> )	-2.1	-5.3	9.9
2009	3.5	-6.6	4.7	.4	11.0	<sup>6</sup> 5.8	( <sup>6</sup> )	10.3	4.5	9.6	-32.0	( <sup>5</sup> )	5.1	2.8	3.2

<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."

<sup>6</sup> "International Marine" is included with "Foreign Refining and Marketing" to prevent disclosure.

<sup>7</sup> Reflects unusually profitable electric power trading operations by survey respondents.

R=Revised. NA=Not available.

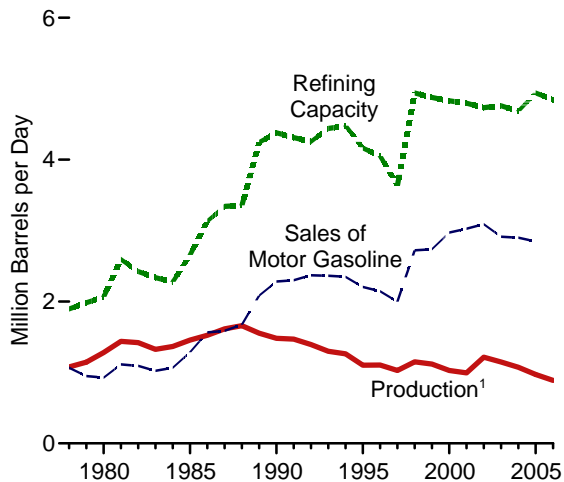
Notes: • "Major U.S. Energy Companies" are the top publicly-owned, U.S.-based crude oil and natural gas producers and petroleum refiners that form the Financial Reporting System. See <http://www.eia.gov/finance/performanceprofiles/CoList.html>. • Data are for return on investment, measured as net income 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.gov/finance/>.

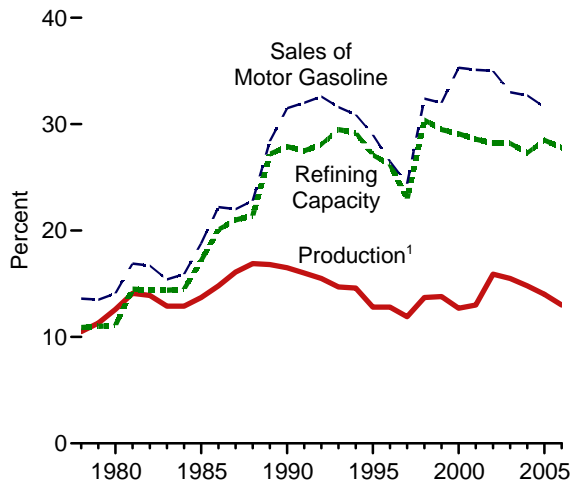
Sources: • 1974-1976—U.S. Energy Information Administration (EIA), Form EIA-28, "Financial Reporting System" database, October 1996. • 1977 forward—EIA, *Performance Profiles of Major Energy Producers*, annual reports.

**Figure 3.13 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2006**

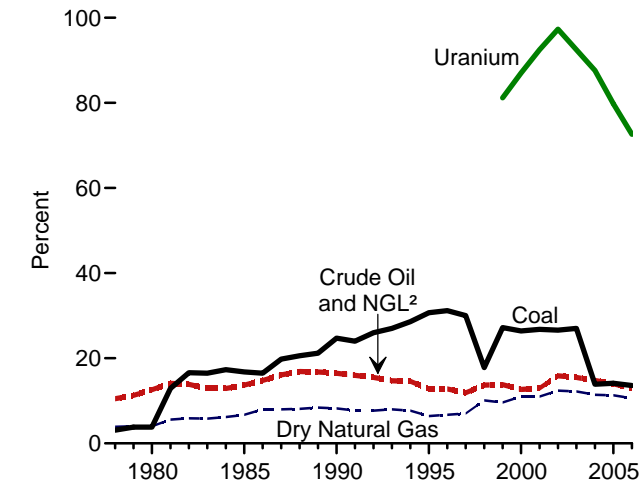
**Petroleum Activities**



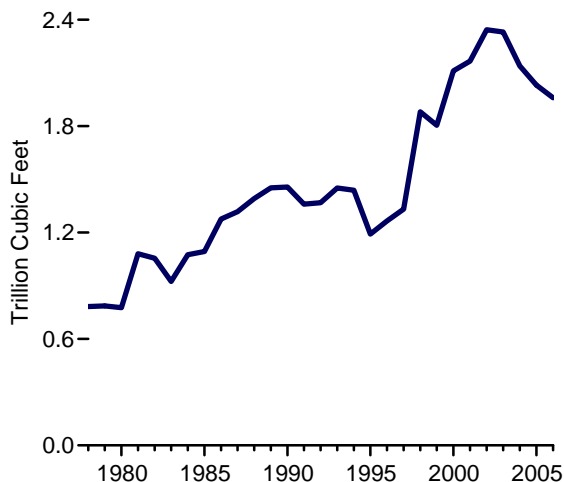
**Petroleum Activities Share of U.S. Total**



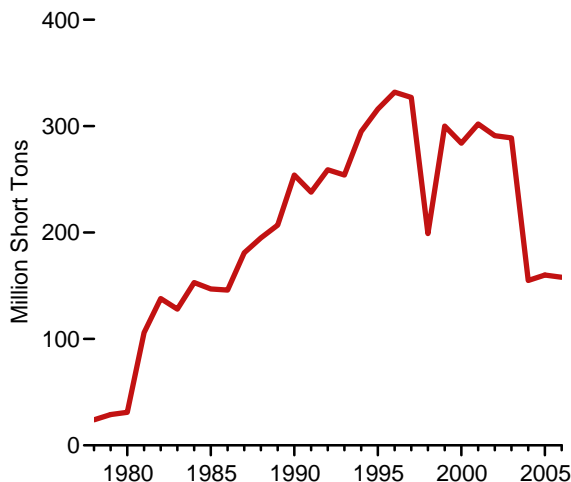
**Share of U.S. Total Production by Fuel Type**



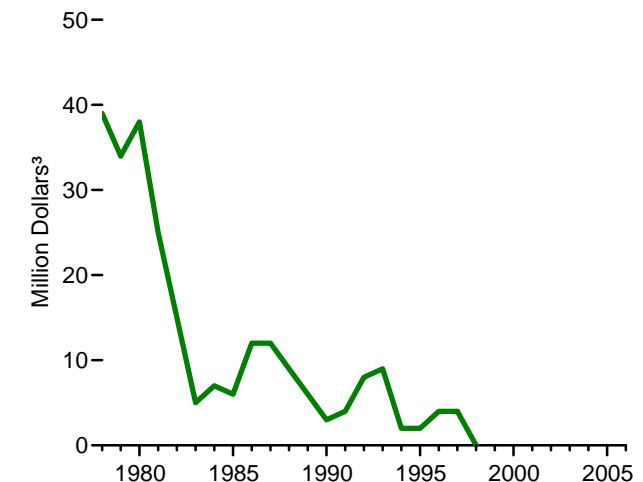
**Dry Natural Gas Production**



**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> Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.  
 Source: Table 3.13.

**Table 3.13 U.S. Energy Activities by Foreign-Affiliated Companies, 1978-2006**

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 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	11.4	155	13.9	2,000	87.6	4,683	27.3	2,900	32.7	NA	NA
2005	970	14.0	2,031	11.3	160	14.1	2,147	79.8	4,942	28.5	2,845	31.6	NA	NA
2006	888	13.0	1,960	10.6	158	13.6	2,980	72.6	4,844	27.8	NA	NA	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> Prices are not adjusted for inflation. 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.

NA=Not available. NM=Not meaningful. (s)=Less than 0.5 million dollars. W=Value withheld to avoid

disclosure of individual company data.

Notes: • 2007 data for this table were not available in time for publication. • For data updates, see <http://www.eia.gov/emeu/finance/fdi/index.html>.

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

Sources: • 1978—U.S. Department of Energy, *Secretary's Annual Report to Congress*, (September 1983). • 1979-1992—U.S. 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.

