

Cost and Quality of Fuels for Electric Plants 2003 and 2004

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Energy Information Administration
Office of Coal, Nuclear, Electric and Alternate Fuels
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Preface

Background

The *Cost and Quality of Fuels for Electric Plants 2003 and 2004* is prepared by the Electric Power Division; Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF); Energy Information Administration (EIA); U.S. Department of Energy. This publication provides information concerning the quality, quantity, and cost of fossil fuels used by electric power generating plants in the United States. These plants are comprised of regulated utility power plants and independent power producers, including combined heat and power producers in the commercial and industrial sectors. This publication continues the coverage of fuel cost and quality data presented in the publication *Cost and Quality of Fuels for Electric Plants 2002 and 2003*. Prior to 2002, the data for the unregulated plants were not collected by either the Federal Energy Regulatory Commission (FERC) or EIA.

Coverage of Sources

The information contained in this publication is compiled from both the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the EIA Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Both surveys collect data monthly from steam-electric and combined-cycle fossil-fueled plants with a total generator nameplate capacity of 50 or more megawatts. Data for gas turbines and internal combustion units are not collected on the FERC Form 423 survey, nor is their generating capacity used to determine the 50-megawatt threshold. However, on the Form EIA-423, data are collected for gas turbines and internal combustion units and the capacity of those generators is used to determine the 50-megawatt threshold. The geographic coverage of the survey includes the contiguous United States, Alaska, Hawaii, and the District of Columbia.

Understanding the effect of the restructuring of the electricity industry is important when reviewing data presented in this publication. Since January 1998, many electric utilities have sold their plants or created subsidiaries whose assets are not regulated by state public utility commissions. Once a plant becomes the property of such an entity, it is no longer required to file on the FERC Form 423. The EIA has attempted to capture the data from these unregulated entities on the Form EIA-423, which originated in 2002.

One of the most important effects of restructuring on data presented in this publication is the cost data. Restructuring has allowed many plants to stop reporting data on the FERC Form 423. In doing so, data at the

State, Census Division, and National levels have been affected by the elimination of respondents from the survey. Depending on the volume and price of fuel delivered to a specific plant, its removal from the database can substantially change the weighted average cost of fuel shown for a particular State. Data on the cost of fuel collected on this survey have historically been used by many industry participants as part of an index to adjust the price of fuel delivered under contracts. The use of these data should be reviewed to determine the effect that reclassification and subsequent removal of plants from the database have on the index. Please note that the cost data on the Form EIA-423 survey are considered confidential. This may result in the appearance of a 'W' (for withheld) in a State where suppression rules apply. (See suppression rules methodology: "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" [45 Federal Register 59812, 1980].)

Display of Average Fuel Cost Information

For most of the tables presented in the *Cost and Quality of Fuels for Electric Plants 2003 and 2004*, costs expressed as a "Total" are reflective of the average delivered costs of fuel as submitted via both the Form EIA-423 and the FERC Form 423. As such, State- and National-level aggregations are published if sufficient data are available to avoid disclosure of individual company plant-level costs. Due to some of the detailed information presented in the *Cost and Quality of Fuels for Electric Plants 2003 and 2004* tables (i.e. where fuel rank, mine type or purchase type are presented), the sensitive nature of the cost information dictates that a significant amount of information be withheld. Therefore, in order to provide as much meaningful cost information as possible, the average costs presented for these levels of detail are reflective only of the costs submitted via the FERC Form 423. Notes have been provided for each table to assist with the interpretation of the information presented.

Estimation Procedures

Beginning with the data collected in 2003, the EIA implemented an estimation procedure to account for monthly FERC Form 423 fuel receipts data that were determined to either be out of range or missing due to non-response. As such, the 2003 data presented in this publication cannot be compared directly with the 2002 data. See Appendix for details.

Publication Contacts:

Questions regarding the availability of these data should be directed to:

Electric Power Division
Energy Information Administration, EI-53
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, DC 20585

Questions of a general nature should be directed to:

Robert Schnapp (202/287-1787)
Director, Electric Power Division
e-mail: robert.schnapp@eia.doe.gov;

Dean Fennell (202/287-1744)
Team Leader
e-mail: dean.fennell@eia.doe.gov;

Jim Diefenderfer (202/287-1926)
Project Leader
e-mail: jim.diefenderfer@eia.doe.gov.

Specific questions regarding these data should be directed to:

Stephen Scott (202/287-1737)
e-mail: stephen.scott@eia.doe.gov;

Rebecca McNerney (202/287-1913)
e-mail: rebecca.mcnerney@eia.doe.gov.

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Summary Tables

Table ES1.A. Receipts of Fossil Fuels by Type of Fuel, 2004

Type of Fuel	Total All Sectors	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Total Coal (thousand tons)¹	1,002,032	758,557	227,700	451	15,324
Bituminous ²	441,186	359,560	72,542	451	8,633
Subbituminous.....	445,603	352,397	90,156	--	3,050
Lignite.....	78,268	35,986	39,950	--	2,333
Total Petroleum Liquids (thousand barrels).....	186,655	112,120	67,200	527	6,808
Petroleum Liquids.....	151,821	93,034	54,152	527	4,107
Residual ³	138,143	86,192	48,693	--	3,257
Distillate ⁴	12,097	6,842	4,285	527	443
Other Fuel Oil ⁵	1,581	--	1,174	--	407
Petroleum Coke ⁶	34,834	19,086	13,047	--	2,701
Total Natural Gas (million cubic feet)⁷	5,734,054	1,499,933	3,403,474	15,804	814,843

¹ Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Includes anthracite.

³ Residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil)

⁴ Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils)

⁵ Other Fuel Oil includes jet fuel, kerosene and waste oil.

⁶ Petroleum coke (converted to liquid petroleum equivalent). As stated in the EIA Glossary (<http://www.eia.doe.gov/cneaf/electricity/page/glossary.html>), in order to convert petroleum coke to liquid petroleum equivalent the quantity conversion is 5 barrels (of 42 U.S. gallons per barrel) per short ton (2,000 pounds). Coke from petroleum has a heating value of 6.024 million Btu per barrel.

⁷ Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas.

Notes: • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES1.B. Receipts of Fossil Fuels by Type of Fuel, 2003

Type of Fuel	Total All Sectors	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Total Coal (thousand tons)¹	986,026	746,594	223,984	372	15,076
Bituminous ²	436,809	351,513	76,129	372	8,796
Subbituminous.....	432,513	346,253	83,266	--	2,993
Lignite.....	79,869	36,301	41,263	--	2,305
Total Petroleum Liquids (thousand barrels).....	185,567	111,361	66,570	43	7,594
Petroleum Liquids.....	156,338	95,534	56,138	43	4,624
Residual ³	133,667	84,947	45,616	--	3,103
Distillate ⁴	19,546	10,587	8,409	43	508
Other Fuel Oil ⁵	3,126	--	2,113	--	1,013
Petroleum Coke ⁶	29,229	15,826	10,432	--	2,971
Total Natural Gas (million cubic feet)⁷	5,500,704	1,439,513	3,244,368	17,827	798,996

¹ Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Includes anthracite.

³ Residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil)

⁴ Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils)

⁵ Other Fuel Oil includes jet fuel, kerosene and waste oil.

⁶ Petroleum coke (converted to liquid petroleum equivalent). As stated in the EIA Glossary (<http://www.eia.doe.gov/cneaf/electricity/page/glossary.html>), in order to convert petroleum coke to liquid petroleum equivalent the quantity conversion is 5 barrels (of 42 U.S. gallons per barrel) per short ton (2,000 pounds). Coke from petroleum has a heating value of 6.024 million Btu per barrel.

⁷ Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas.

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Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES2.A. Average Delivered Cost of Fuels by Type of Fuel, 2004

Type of Fuel	Total All Sectors	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Total Coal (dollars per ton)¹	27.42	27.30	27.27	49.32	34.79
Bituminous ²	37.32	36.60	39.98	49.32	44.19
Subbituminous.....	19.73	19.13	21.92	--	25.27
Lignite.....	13.76	12.09	15.28	--	13.48
Total Petroleum Liquids (dollars per barrel)	26.56	26.23	27.63	35.96	20.80
Petroleum Liquids.....	31.58	30.57	33.31	35.96	30.93
Residual ³	30.14	29.30	31.65	--	29.73
Distillate ⁴	46.67	46.58	48.23	35.96	45.74
Other Fuel Oil ⁵	41.82	--	47.84	--	24.43
Petroleum Coke ⁶	4.70	5.03	4.06	--	5.40
Total Natural Gas (dollar per Mcf)⁷	6.12	6.33	6.01	6.07	6.22

¹ Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Includes anthracite.

³ Residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil)

⁴ Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils)

⁵ Other Fuel Oil includes jet fuel, kerosene and waste oil.

⁶ Petroleum coke (converted to liquid petroleum equivalent). As stated in the EIA Glossary (<http://www.eia.doe.gov/cneaf/electricity/page/glossary.html>), in order to convert petroleum coke to liquid petroleum equivalent the quantity conversion is 5 barrels (of 42 U.S. gallons per barrel) per short ton (2,000 pounds). Coke from petroleum has a heating value of 6.024 million Btu per barrel.

⁷ Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas.

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Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." Energy Information Administration/Cost and Quality of Fuels for Electric Utility Plants 2003 and 2004

Table ES2.B. Average Delivered Cost of Fuels by Type of Fuel, 2003

Type of Fuel	Total All Sectors	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Total Coal (dollars per ton)¹	26.00	25.82	26.20	47.24	31.01
Bituminous ²	34.72	34.05	37.35	47.24	38.41
Subbituminous.....	19.41	18.76	21.95	--	23.82
Lignite.....	13.22	11.38	14.90	--	12.29
Total Petroleum Liquids (dollars per barrel)	26.78	26.04	28.79	40.82	19.82
Petroleum Liquids.....	31.02	29.66	33.50	40.82	28.86
Residual ³	29.67	28.40	32.01	--	30.12
Distillate ⁴	39.72	39.78	39.67	40.82	39.08
Other Fuel Oil ⁵	34.38	--	41.33	--	19.88
Petroleum Coke ⁶	4.08	4.19	3.43	--	5.75
Total Natural Gas (dollar per Mcf)⁷	5.55	5.77	5.48	5.06	5.48

¹ Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Includes anthracite.

³ Residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil)

⁴ Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils)

⁵ Other Fuel Oil includes jet fuel, kerosene and waste oil.

⁶ Petroleum coke (converted to liquid petroleum equivalent). As stated in the EIA Glossary (<http://www.eia.doe.gov/cneaf/electricity/page/glossary.html>), in order to convert petroleum coke to liquid petroleum equivalent the quantity conversion is 5 barrels (of 42 U.S. gallons per barrel) per short ton (2,000 pounds). Coke from petroleum has a heating value of 6.024 million Btu per barrel.

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Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES3. Average Quality of Coal by State of Origin: Total (All Sectors), 2004 - 2003

State of Origin	Heat Value (Btu per pound)		Sulfur (percent by weight)		Sulfur (pounds per Million Btu)		Ash (percent by weight)	
	2004	2003	2004	2003	2004	2003	2004	2003
Alabama.....	12,119	12,095	1.21	1.14	1.00	.94	12.33	12.80
Arizona.....	10,927	10,893	.51	.50	.47	.46	9.64	9.82
Arkansas.....	9,418	--	1.38	--	1.47	--	26.43	--
Colorado.....	11,131	11,183	.52	.55	.47	.49	9.25	9.21
Illinois.....	11,359	11,345	2.10	2.19	1.85	1.93	8.27	8.18
Indiana.....	11,171	11,162	2.18	2.18	1.95	1.95	8.63	8.69
Kansas.....	11,596	11,313	3.29	2.77	2.83	2.45	12.63	16.17
Kentucky.....	12,152	12,189	1.49	1.49	1.23	1.22	10.77	10.44
Louisiana.....	--	6,732	--	.87	--	1.29	--	13.68
Maryland.....	12,379	12,373	1.67	1.40	1.35	1.13	12.28	13.22
Mississippi.....	5,106	5,084	.48	.51	.94	1.01	15.38	15.57
Missouri.....	10,932	10,675	3.74	4.95	3.42	4.64	14.43	17.55
Montana.....	8,941	8,920	.52	.53	.58	.60	7.01	7.05
New Mexico.....	9,397	9,293	.69	.74	.74	.79	18.89	19.32
North Dakota.....	6,553	6,535	.70	.69	1.08	1.06	9.51	9.50
Ohio.....	12,262	12,253	3.41	3.34	2.78	2.72	9.29	9.43
Oklahoma.....	11,719	11,971	2.45	2.45	2.09	2.05	16.86	15.67
Pennsylvania.....	11,761	11,953	1.98	2.00	1.68	1.68	14.73	13.84
Tennessee.....	12,629	12,573	1.13	.97	.90	.77	9.23	9.54
Texas.....	6,494	6,433	1.29	1.27	1.99	1.98	16.64	17.05
Utah.....	11,248	11,445	.62	.58	.55	.51	13.01	11.38
Virginia.....	12,626	12,781	.95	.90	.75	.70	10.95	10.26
Washington.....	7,957	7,840	1.03	1.11	1.29	1.42	15.09	15.63
West Virginia.....	12,291	12,325	1.33	1.25	1.08	1.02	11.65	11.26
Wyoming.....	8,710	8,707	.32	.32	.37	.37	5.17	5.16
Subtotal.....	9,970	10,016	.96	.96	.96	.96	9.07	9.11
Imported.....	11,729	11,884	.55	.61	.47	.51	5.88	5.57
Unclassified.....	10,648	10,842	1.10	1.12	1.03	1.03	8.75	8.53
Total.....	10,074	10,137	.97	.97	.96	.96	8.97	8.98

Notes: • Coal includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table ES4. Receipts of Coal by Rank: Total (All Sectors), 2004 - 2003

Rank	Receipts (thousand tons)	Average Quality				Average Delivered Cost	
		Btu (per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per Million Btu)	(dollars per ton)
2004							
Total Coal ¹	1,002,032	10,074	.97	.96	8.97	136	27.42
Bituminous ²	441,186	11,942	1.50	1.26	10.34	156	37.32
Subbituminous.....	445,603	8,772	.36	.41	6.02	112	19.73
Lignite.....	78,268	6,466	1.05	1.62	14.15	106	13.76
2003							
Total Coal ¹	986,026	10,137	.97	.96	8.98	128	26.00
Bituminous ²	436,809	12,069	1.49	1.23	9.94	144	34.72
Subbituminous.....	432,513	8,783	.38	.43	6.35	110	19.41
Lignite.....	79,869	6,422	1.03	1.60	14.41	103	13.22

¹ Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Includes anthracite.

Notes: • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Fossil - Fuel Data at the Census Division and State Level

Table 1. Receipts of Coal for Electric Generation by Census Division and State: Total (All Sectors), 2004 and 2003
(Thousand Tons)

Census Division and State	2004	2003
New England.....	8,277	7,941
Connecticut.....	1,922	1,806
Maine.....	271	268
Massachusetts.....	4,391	4,378
New Hampshire.....	1,693	1,489
Rhode Island.....	--	--
Vermont.....	--	--
Middle Atlantic.....	54,903	55,661
New Jersey.....	2,273	4,765
New York.....	9,622	9,570
Pennsylvania.....	43,008	41,327
East North Central.....	216,465	210,248
Illinois.....	59,694	54,244
Indiana.....	54,098	55,854
Michigan.....	34,948	33,846
Ohio.....	43,817	43,200
Wisconsin.....	23,909	23,104
West North Central.....	145,252	144,589
Iowa.....	19,805	19,863
Kansas.....	20,980	21,438
Minnesota.....	19,870	20,558
Missouri.....	44,900	42,999
Nebraska.....	12,516	12,479
North Dakota.....	25,033	25,254
South Dakota.....	2,148	1,998
South Atlantic.....	180,464	177,204
Delaware.....	2,148	1,667
District of Columbia.....	--	--
Florida.....	32,284	34,303
Georgia.....	37,453	34,309
Maryland.....	12,818	11,112
North Carolina.....	30,108	30,053
South Carolina.....	14,914	13,214
Virginia.....	15,050	14,576
West Virginia.....	35,689	37,970
East South Central.....	117,802	117,866
Alabama.....	33,805	36,297
Kentucky.....	37,876	38,702
Mississippi.....	9,624	9,581
Tennessee.....	36,497	33,287
West South Central.....	150,612	147,294
Arkansas.....	14,606	13,763
Louisiana.....	15,513	13,809
Oklahoma.....	20,386	21,161
Texas.....	100,106	98,562
Mountain.....	117,465	113,140
Arizona.....	20,315	18,657
Colorado.....	18,834	18,904
Idaho.....	--	--
Montana.....	11,115	10,724
Nevada.....	8,489	7,732
New Mexico.....	16,632	16,514
Utah.....	16,539	15,330
Wyoming.....	25,542	25,279
Pacific Contiguous.....	10,146	11,368
California.....	1,338	1,430
Oregon.....	2,251	2,667
Washington.....	6,557	7,270
Pacific Noncontiguous.....	647	715
Alaska.....	--	--
Hawaii.....	647	715
U.S. Total.....	1,002,032	986,026

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 2. Average Delivered Cost of Coal by Census Division and State: Total (All Sectors), 2004 and 2003

Census Division and State	2004		2003		Percent Change 2003-2004 (cents per million Btu)	Percent Change 2003-2004 (dollars per ton)
	(cents per million Btu)	(dollars per ton)	(cents per million Btu)	(dollars per ton)		
New England.....	209	49.27	189	45.69	10.23	7.85
Connecticut.....	W	W	W	W	W	W
Maine.....	W	W	W	W	W	W
Massachusetts.....	197	46.43	W	W	W	W
New Hampshire.....	202	53.17	170	45.16	18.38	17.74
Rhode Island.....	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--
Middle Atlantic.....	147	34.55	134	32.17	9.69	7.42
New Jersey.....	205	52.66	180	46.90	13.98	12.28
New York.....	176	42.36	159	40.01	10.13	5.87
Pennsylvania.....	137	31.85	122	28.65	12.38	11.17
East North Central.....	125	25.56	121	24.88	3.39	2.73
Illinois.....	115	20.96	116	21.28	-91	-1.50
Indiana.....	W	W	W	W	W	W
Michigan.....	139	27.68	134	27.23	3.22	1.65
Ohio.....	133	32.23	121	29.47	9.92	9.37
Wisconsin.....	W	W	W	W	W	W
West North Central.....	93	15.51	91	15.22	2.01	1.94
Iowa.....	W	W	W	W	W	W
Kansas.....	103	17.74	101	17.49	1.35	1.43
Minnesota.....	W	W	W	W	W	W
Missouri.....	W	W	W	W	W	W
Nebraska.....	66	11.30	60	10.39	10.06	8.76
North Dakota.....	77	10.20	74	9.72	4.11	4.94
South Dakota.....	139	23.61	134	23.00	3.10	2.65
South Atlantic.....	179	43.21	162	39.75	10.49	8.71
Delaware.....	W	W	W	W	W	W
District of Columbia.....	--	--	--	--	--	--
Florida.....	192	46.92	176	43.11	9.13	8.84
Georgia.....	180	39.73	172	40.11	4.84	-95
Maryland.....	174	43.96	163	41.42	6.62	6.13
North Carolina.....	200	49.38	178	44.31	12.14	11.44
South Carolina.....	W	W	W	W	W	W
Virginia.....	195	49.60	167	42.72	17.19	16.10
West Virginia.....	135	32.59	125	30.31	8.46	7.52
East South Central.....	143	31.76	133	29.68	7.17	7.01
Alabama.....	W	W	W	W	W	W
Kentucky.....	137	31.57	123	28.24	11.26	11.79
Mississippi.....	W	W	W	W	W	W
Tennessee.....	W	W	W	W	W	W
West South Central.....	W	W	121	19.26	W	W
Arkansas.....	123	21.49	120	20.94	2.59	2.63
Louisiana.....	W	W	W	W	W	W
Oklahoma.....	W	W	W	W	W	W
Texas.....	131	20.01	125	19.08	4.40	4.87
Mountain.....	111	21.45	107	20.70	3.44	3.60
Arizona.....	W	W	W	W	W	W
Colorado.....	97	19.09	97	18.92	.56	.90
Idaho.....	--	--	--	--	--	--
Montana.....	W	W	W	W	W	W
Nevada.....	136	30.28	142	31.52	-3.99	-3.93
New Mexico.....	148	27.25	143	26.12	3.61	4.33
Utah.....	W	W	W	W	W	W
Wyoming.....	87	15.28	82	14.53	5.18	5.16
Pacific Contiguous.....	W	W	W	W	W	W
California.....	188	45.90	173	41.25	8.90	11.27
Oregon.....	118	19.91	125	21.33	-5.39	-6.66
Washington.....	W	W	W	W	W	W
Pacific Noncontiguous.....	W	W	W	W	W	W
Alaska.....	--	--	--	--	--	--
Hawaii.....	W	W	W	W	W	W
U.S. Total.....	136	27.42	128	26.00	6.15	5.46

W = Withheld to avoid disclosure of individual company data.

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 3.A. Receipts and Average Delivered Cost of Coal by Type of Purchase, Mine Type, Census Division and State: Total (All Sectors), 2004

Census Division and State	Type of Purchase								
	Contract			Spot			Unclassified/Other		
	Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost	
		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)
New England.....	6,409	208	56.33	506	223	56.51	1,362	192	49.64
Connecticut.....	1,922	--	--	--	--	--	--	--	--
Maine.....	271	--	--	--	--	--	--	--	--
Massachusetts.....	3,931	--	--	189	229	55.03	271	184	43.89
New Hampshire.....	285	208	56.33	317	220	57.32	1,091	194	51.07
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	48,603	146	38.06	6,248	199	51.90	51	177	45.55
New Jersey.....	1,774	209	54.96	495	241	63.71	4	226	57.20
New York.....	8,234	151	40.00	1,340	161	41.71	47	173	44.49
Pennsylvania.....	38,595	123	31.80	4,414	181	35.83	--	--	--
East North Central.....	170,654	121	25.27	30,233	148	32.82	15,579	131	27.31
Illinois.....	54,248	115	21.63	3,326	106	18.50	2,120	126	24.71
Indiana.....	45,498	117	24.75	6,975	142	31.89	1,624	124	25.37
Michigan.....	23,237	137	27.62	5,795	143	27.26	5,916	131	25.22
Ohio.....	26,773	122	29.63	12,927	155	36.78	4,117	133	32.18
Wisconsin.....	20,897	112	19.74	1,209	146	29.29	1,803	140	27.87
West North Central.....	131,891	92	15.31	4,190	94	16.81	9,171	90	15.05
Iowa.....	15,278	89	15.36	232	143	32.06	4,296	90	15.53
Kansas.....	19,467	104	17.89	445	81	14.23	1,067	95	16.45
Minnesota.....	19,484	104	18.49	254	140	25.78	132	192	44.21
Missouri.....	41,681	92	16.24	1,360	104	18.88	1,859	90	15.89
Nebraska.....	10,608	65	11.18	1,653	71	12.08	255	66	11.34
North Dakota.....	23,389	77	10.19	82	121	20.88	1,562	75	9.92
South Dakota.....	1,983	140	23.84	165	123	20.82	--	--	--
South Atlantic.....	116,941	170	40.91	38,033	198	47.55	25,489	191	45.40
Delaware.....	1,175	--	--	973	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida.....	14,087	177	43.02	6,338	199	48.88	11,859	194	47.73
Georgia.....	26,012	176	39.75	7,422	198	43.35	4,018	166	30.15
Maryland.....	12,327	--	--	491	--	--	--	--	--
North Carolina.....	21,116	193	47.73	6,177	219	53.50	2,815	204	50.30
South Carolina.....	6,184	179	45.05	4,235	205	51.42	4,496	194	48.68
Virginia.....	8,263	172	43.73	4,562	212	53.20	2,225	189	48.11
West Virginia.....	27,777	132	32.03	7,836	165	39.84	76	141	34.10
East South Central.....	87,278	137	30.48	12,347	178	41.47	18,176	145	34.02
Alabama.....	26,477	149	31.69	2,230	159	37.43	5,098	158	37.28
Kentucky.....	24,992	127	29.17	6,219	182	43.41	6,665	140	32.44
Mississippi.....	7,315	160	36.89	2,022	200	45.51	288	162	33.95
Tennessee.....	28,495	131	29.47	1,877	159	33.60	6,125	137	33.04
West South Central.....	110,774	121	19.89	21,875	122	21.47	17,962	135	22.18
Arkansas.....	1,124	129	22.16	12,790	122	21.39	691	127	22.19
Louisiana.....	9,457	133	23.22	2,221	--	--	3,835	143	19.41
Oklahoma.....	20,144	101	17.62	243	90	15.05	--	--	--
Texas.....	80,049	136	21.07	6,622	126	22.19	13,435	134	22.98
Mountain.....	106,522	112	21.64	5,026	112	22.27	5,917	117	25.44
Arizona.....	18,220	128	26.38	1,767	127	24.11	328	141	27.77
Colorado.....	16,894	98	19.27	1,409	81	16.28	531	100	20.65
Idaho.....	--	--	--	--	--	--	--	--	--
Montana.....	11,100	63	10.64	15	127	22.13	--	--	--
Nevada.....	6,240	136	30.47	625	130	27.05	1,624	137	30.79
New Mexico.....	16,632	148	27.25	--	--	--	--	--	--
Utah.....	12,053	116	25.28	1,092	122	25.71	3,393	108	23.54
Wyoming.....	25,383	87	15.31	118	55	9.12	41	85	14.80
Pacific Contiguous.....	7,851	--	--	2,295	118	19.91	--	--	--
California.....	1,294	--	--	44	--	--	--	--	--
Oregon.....	--	--	--	2,251	118	19.91	--	--	--
Washington.....	6,557	--	--	--	--	--	--	--	--
Pacific Noncontiguous.....	647	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--
Hawaii.....	647	--	--	--	--	--	--	--	--
U.S. Total.....	787,570	125	25.05	120,753	165	36.01	93,708	150	31.57

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 3.A. Receipts and Average Delivered Cost of Coal by Type of Purchase, Mine Type, Census Division and State: Total (All Sectors), 2004 (Continued)

Census Division and State	Mine Type								
	Surface			Underground			Unclassified		
	Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost	
		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)
New England.....	4,884	--	--	2,031	217	56.44	1,362	192	49.64
Connecticut.....	1,071	--	--	851	--	--	--	--	--
Maine.....	168	--	--	103	--	--	--	--	--
Massachusetts.....	3,645	--	--	475	229	55.03	271	184	43.89
New Hampshire.....	--	--	--	602	214	56.85	1,091	194	51.07
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	15,001	165	39.84	30,570	164	43.01	9,331	177	45.55
New Jersey.....	--	--	--	2,268	227	59.87	4	226	57.20
New York.....	2,483	185	44.88	7,091	154	40.54	47	173	44.49
Pennsylvania.....	12,518	137	32.69	21,211	123	31.76	9,280	--	--
East North Central.....	147,216	122	24.26	53,642	134	31.76	15,607	131	27.31
Illinois.....	48,599	96	16.65	8,976	142	30.13	2,120	126	24.71
Indiana.....	34,352	114	23.23	18,122	131	30.19	1,624	124	25.37
Michigan.....	23,369	128	23.99	5,635	168	42.83	5,944	131	25.22
Ohio.....	20,251	143	34.08	19,449	121	29.65	4,117	133	32.18
Wisconsin.....	20,645	109	18.93	1,461	174	42.22	1,803	140	27.87
West North Central.....	134,683	91	15.24	1,393	151	35.55	9,176	90	15.06
Iowa.....	14,989	90	15.50	520	145	29.36	4,296	90	15.53
Kansas.....	19,912	103	17.81	--	--	--	1,067	95	16.45
Minnesota.....	19,727	105	18.58	11	181	44.02	132	192	44.21
Missouri.....	42,174	91	15.99	862	151	36.08	1,864	91	15.93
Nebraska.....	12,261	66	11.30	--	--	--	255	66	11.34
North Dakota.....	23,471	77	10.22	--	--	--	1,562	75	9.92
South Dakota.....	2,148	139	23.61	--	--	--	--	--	--
South Atlantic.....	65,823	182	41.84	89,152	176	43.59	25,489	191	45.40
Delaware.....	192	--	--	1,956	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida.....	7,744	190	45.23	12,681	182	45.04	11,859	194	47.73
Georgia.....	23,127	178	38.14	10,307	185	45.87	4,018	166	30.15
Maryland.....	9,106	--	--	3,712	--	--	--	--	--
North Carolina.....	13,451	198	48.68	13,842	201	49.60	2,815	204	50.30
South Carolina.....	2,203	192	48.16	8,216	189	47.56	4,496	194	48.68
Virginia.....	2,710	172	43.31	10,115	195	49.23	2,225	189	48.11
West Virginia.....	7,290	145	34.40	28,323	140	34.11	76	141	34.10
East South Central.....	49,146	140	29.17	50,478	144	34.13	18,177	145	34.02
Alabama.....	18,523	141	28.45	10,183	164	38.84	5,098	158	37.28
Kentucky.....	13,701	137	30.89	17,509	140	32.97	6,666	140	32.44
Mississippi.....	6,674	178	39.87	2,663	169	39.96	288	162	33.95
Tennessee.....	10,248	127	24.88	20,124	134	31.90	6,125	137	33.04
West South Central.....	132,354	121	20.28	296	--	--	17,962	135	22.18
Arkansas.....	13,914	122	21.45	--	--	--	691	127	22.19
Louisiana.....	11,678	133	23.22	--	--	--	3,835	143	19.41
Oklahoma.....	20,091	101	17.61	295	--	--	--	--	--
Texas.....	86,671	135	21.17	--	--	--	13,435	134	22.98
Mountain.....	86,124	105	19.72	25,424	131	27.88	5,917	117	25.44
Arizona.....	19,721	128	26.04	267	158	35.89	328	141	27.77
Colorado.....	14,475	95	17.94	3,828	103	23.19	531	100	20.65
Idaho.....	--	--	--	--	--	--	--	--	--
Montana.....	11,115	63	10.67	--	--	--	--	--	--
Nevada.....	4,839	134	29.36	2,026	139	32.06	1,624	137	30.79
New Mexico.....	9,652	128	22.84	6,979	174	33.34	--	--	--
Utah.....	822	125	23.02	12,323	116	25.38	3,393	108	23.54
Wyoming.....	25,501	87	15.28	--	--	--	41	85	14.80
Pacific Contiguous.....	8,815	118	19.91	1,331	--	--	--	--	--
California.....	7	--	--	1,331	--	--	--	--	--
Oregon.....	2,251	118	19.91	--	--	--	--	--	--
Washington.....	6,557	--	--	--	--	--	--	--	--
Pacific Noncontiguous.....	647	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--
Hawaii.....	647	--	--	--	--	--	--	--	--
U.S. Total.....	644,693	121	22.76	254,316	152	36.31	103,022	150	31.57

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 3.B. Receipts and Average Delivered Cost of Coal by Type of Purchase, Mine Type, Census Division and State: Total (All Sectors), 2003

Census Division and State	Type of Purchase								
	Contract			Spot			Unclassified/Other		
	Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost	
		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)
New England.....	6,052	209	52.60	639	178	46.12	1,251	170	44.67
Connecticut.....	1,738	--	--	68	--	--	--	--	--
Maine.....	268	--	--	--	--	--	--	--	--
Massachusetts.....	4,004	211	53.00	289	188	47.60	84	162	38.73
New Hampshire.....	41	195	50.54	281	168	44.66	1,167	170	45.09
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	50,351	152	39.62	5,310	160	41.33	1	158	41.06
New Jersey.....	4,245	215	56.46	520	180	47.15	--	--	--
New York.....	8,797	146	38.50	772	151	38.84	1	158	41.06
Pennsylvania.....	37,309	121	31.18	4,017	103	23.90	--	--	--
East North Central.....	157,526	119	24.91	34,330	124	28.18	18,392	125	25.76
Illinois.....	46,373	115	22.06	6,532	102	18.84	1,338	134	28.93
Indiana.....	43,427	117	24.78	7,294	120	26.28	5,133	123	24.60
Michigan.....	22,924	135	27.28	4,317	137	28.75	6,604	127	24.40
Ohio.....	23,894	118	28.87	15,535	122	29.05	3,771	121	29.71
Wisconsin.....	20,907	108	19.17	652	142	30.87	1,545	125	22.99
West North Central.....	130,057	90	15.02	7,967	91	16.32	6,565	86	14.10
Iowa.....	15,216	86	14.89	449	112	22.99	4,198	85	14.58
Kansas.....	19,784	104	17.87	1,474	71	12.40	180	103	17.61
Minnesota.....	19,833	106	18.77	583	134	24.88	142	111	19.70
Missouri.....	38,062	91	16.12	4,263	95	16.99	675	98	17.75
Nebraska.....	11,263	59	10.26	1,139	68	11.67	78	59	10.21
North Dakota.....	23,958	74	9.72	4	121	21.06	1,292	75	9.76
South Dakota.....	1,942	135	23.01	56	129	22.70	--	--	--
South Atlantic.....	109,575	160	39.52	40,025	161	38.04	27,604	174	42.63
Delaware.....	1,129	--	--	537	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida.....	13,904	165	40.05	6,695	171	42.60	13,704	179	44.17
Georgia.....	19,893	172	43.03	10,709	173	35.47	3,707	171	37.97
Maryland.....	9,966	--	--	1,146	--	--	--	--	--
North Carolina.....	21,121	178	44.03	6,398	179	44.14	2,535	178	44.27
South Carolina.....	4,413	162	41.08	3,476	158	39.99	5,325	163	41.39
Virginia.....	9,937	152	38.62	2,396	159	40.90	2,242	166	42.46
West Virginia.....	29,212	128	31.07	8,667	129	31.71	91	127	31.09
East South Central.....	90,452	133	29.78	10,987	140	34.05	16,427	132	30.93
Alabama.....	27,631	148	31.79	1,442	154	36.36	7,224	142	32.85
Kentucky.....	27,432	125	28.53	5,717	130	31.65	5,553	121	28.09
Mississippi.....	8,126	158	37.02	1,455	155	38.56	--	--	--
Tennessee.....	27,263	123	27.55	2,373	147	35.28	3,651	130	31.47
West South Central.....	108,723	113	18.64	21,875	118	20.70	16,697	127	21.17
Arkansas.....	1,325	149	25.55	11,891	116	20.42	547	119	21.03
Louisiana.....	10,539	133	21.95	415	--	--	2,855	132	18.07
Oklahoma.....	19,346	95	16.61	611	98	16.85	1,204	96	16.71
Texas.....	77,513	122	19.16	8,958	129	22.43	12,091	129	22.35
Mountain.....	105,787	109	20.97	3,269	106	21.79	4,084	109	24.33
Arizona.....	16,838	126	25.53	1,767	125	24.00	53	144	27.55
Colorado.....	16,702	97	18.69	1,130	88	19.01	1,072	103	22.43
Idaho.....	--	--	--	--	--	--	--	--	--
Montana.....	10,631	62	10.56	93	127	22.13	--	--	--
Nevada.....	6,553	144	32.05	--	--	--	1,178	127	28.60
New Mexico.....	16,514	143	26.12	--	--	--	--	--	--
Utah.....	13,270	106	23.75	279	76	18.91	1,781	100	22.54
Wyoming.....	25,279	82	14.53	--	--	--	--	--	--
Pacific Contiguous.....	8,595	--	--	2,566	127	21.50	207	110	19.35
California.....	1,324	--	--	106	--	--	--	--	--
Oregon.....	--	--	--	2,460	127	21.50	207	110	19.35
Washington.....	7,270	--	--	--	--	--	--	--	--
Pacific Noncontiguous.....	715	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--
Hawaii.....	715	--	--	--	--	--	--	--	--
U.S. Total.....	767,832	121	24.31	126,967	137	29.95	91,227	141	30.30

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 3.B. Receipts and Average Delivered Cost of Coal by Type of Purchase, Mine Type, Census Division and State: Total (All Sectors), 2003 (Continued)

Census Division and State	Mine Type								
	Surface			Underground			Unclassified		
	Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost	
		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)		(cents per million Btu)	(dollars per ton)
New England.....	4,515	--	--	2,176	187	48.15	1,251	170	44.67
Connecticut.....	1,022	--	--	784	--	--	--	--	--
Maine.....	143	--	--	125	--	--	--	--	--
Massachusetts.....	3,350	--	--	944	198	49.95	84	162	38.73
New Hampshire.....	--	--	--	322	171	45.41	1,167	170	45.09
Rhode Island.....	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	14,997	140	34.74	31,462	155	40.31	9,202	158	41.06
New Jersey.....	1,111	--	--	3,654	207	54.22	--	--	--
New York.....	1,646	143	35.39	7,923	149	39.17	1	158	41.06
Pennsylvania.....	12,240	121	30.75	19,886	121	31.19	9,201	--	--
East North Central.....	144,299	117	23.64	47,550	127	30.33	18,399	125	25.76
Illinois.....	44,628	99	17.48	8,278	137	29.41	1,338	134	28.93
Indiana.....	34,320	113	23.20	16,401	125	28.61	5,133	123	24.60
Michigan.....	21,184	127	24.12	6,050	157	40.14	6,612	127	24.40
Ohio.....	24,093	124	29.64	15,336	112	27.77	3,771	121	29.71
Wisconsin.....	20,074	105	18.31	1,485	164	39.51	1,545	125	22.99
West North Central.....	136,011	89	14.92	2,014	137	31.45	6,565	86	14.10
Iowa.....	15,012	86	14.82	653	136	31.21	4,198	85	14.58
Kansas.....	21,258	101	17.49	--	--	--	180	103	17.61
Minnesota.....	20,308	106	18.82	107	182	43.20	142	111	19.70
Missouri.....	41,071	90	15.82	1,253	132	30.37	675	98	17.75
Nebraska.....	12,401	60	10.39	--	--	--	78	59	10.21
North Dakota.....	23,962	74	9.72	--	--	--	1,292	75	9.76
South Dakota.....	1,998	134	23.00	--	--	--	--	--	--
South Atlantic.....	69,552	162	38.78	80,030	158	39.34	27,622	174	42.63
Delaware.....	63	--	--	1,604	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida.....	6,800	163	39.49	13,799	169	41.48	13,704	179	44.17
Georgia.....	20,812	171	38.91	9,790	174	43.42	3,707	171	37.97
Maryland.....	7,394	--	--	3,718	--	--	--	--	--
North Carolina.....	15,418	176	43.55	12,100	180	44.83	2,535	178	44.27
South Carolina.....	1,545	170	42.89	6,344	158	40.01	5,325	163	41.39
Virginia.....	4,264	154	39.55	8,052	154	38.98	2,260	166	42.46
West Virginia.....	13,256	129	31.30	24,623	127	31.23	91	127	31.09
East South Central.....	49,121	133	28.52	52,302	135	31.67	16,444	132	30.93
Alabama.....	14,736	141	29.50	14,337	154	34.59	7,224	142	32.85
Kentucky.....	17,242	128	29.05	15,890	124	29.10	5,569	121	28.09
Mississippi.....	6,252	155	36.90	3,329	159	37.79	--	--	--
Tennessee.....	10,891	121	24.16	18,745	126	30.34	3,651	130	31.47
West South Central.....	129,846	115	19.19	752	99	16.64	16,697	127	21.17
Arkansas.....	13,216	120	20.93	--	--	--	547	119	21.03
Louisiana.....	10,933	133	21.95	20	--	--	2,855	132	18.07
Oklahoma.....	19,579	96	16.62	379	--	--	1,204	96	16.71
Texas.....	86,118	124	19.63	353	99	16.64	12,091	129	22.35
Mountain.....	84,019	103	19.08	25,036	124	27.05	4,084	109	24.33
Arizona.....	18,349	125	25.26	255	153	34.69	53	144	27.55
Colorado.....	14,050	94	17.63	3,782	102	22.71	1,072	103	22.43
Idaho.....	--	--	--	--	--	--	--	--	--
Montana.....	10,724	62	10.56	--	--	--	--	--	--
Nevada.....	4,451	139	30.50	2,102	155	35.32	1,178	127	28.60
New Mexico.....	10,655	122	21.76	5,859	177	34.07	--	--	--
Utah.....	512	--	--	13,037	105	23.67	1,781	100	22.54
Wyoming.....	25,279	82	14.53	--	--	--	--	--	--
Pacific Contiguous.....	9,818	127	21.50	1,344	--	--	207	110	19.35
California.....	87	--	--	1,344	--	--	--	--	--
Oregon.....	2,460	127	21.50	--	--	--	207	110	19.35
Washington.....	7,270	--	--	--	--	--	--	--	--
Pacific Noncontiguous.....	715	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--
Hawaii.....	715	--	--	--	--	--	--	--	--
U.S. Total.....	642,891	116	22.13	242,665	140	33.39	100,470	141	30.30

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.A. Receipts and Average Delivered Cost of Coal by Rank, Census Division and State: Total (All Sectors), 2004

Census Division and State	Bituminous ¹			Subbituminous			Lignite			Total ²		
	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)
New England.....	7,052	12,219	202	1,225	9,371	--	--	--	--	8,277	11,797	209
Connecticut.....	697	12,273	--	1,225	9,371	--	--	--	--	1,922	10,423	W
Maine.....	271	12,854	--	--	--	--	--	--	--	271	12,854	W
Massachusetts.....	4,391	11,793	202	--	--	--	--	--	--	4,391	11,793	197
New Hampshire.....	1,693	13,199	202	--	--	--	--	--	--	1,693	13,199	202
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	35,191	12,538	165	2,044	8,808	183	--	--	--	54,903	11,746	147
New Jersey.....	2,273	12,868	227	--	--	--	--	--	--	2,273	12,868	205
New York.....	7,593	12,932	158	2,004	8,806	--	--	--	--	9,622	12,063	176
Pennsylvania.....	25,326	12,390	123	40	8,926	183	--	--	--	43,008	11,615	137
East North Central.....	99,873	11,743	133	112,808	8,835	114	--	--	--	216,465	10,220	125
Illinois.....	10,523	10,726	141	48,764	8,761	97	--	--	--	59,694	9,120	115
Indiana.....	37,430	11,344	121	16,668	8,933	121	--	--	--	54,098	10,601	W
Michigan.....	9,056	12,635	174	25,892	9,034	120	--	--	--	34,948	9,967	139
Ohio.....	40,378	12,162	131	61	8,784	144	--	--	--	43,817	12,098	133
Wisconsin.....	2,486	11,995	176	21,423	8,686	107	--	--	--	23,909	9,030	W
West North Central.....	2,977	11,337	150	117,743	8,685	92	24,462	6,554	77	145,252	8,381	93
Iowa.....	856	10,959	143	18,880	8,553	89	--	--	--	19,805	8,665	W
Kansas.....	402	10,930	132	20,577	8,581	102	--	--	--	20,980	8,626	103
Minnesota.....	178	11,390	193	19,692	8,891	105	--	--	--	19,870	8,914	W
Missouri.....	1,541	11,646	152	43,359	8,738	90	--	--	--	44,900	8,838	W
Nebraska.....	--	--	--	12,516	8,574	66	--	--	--	12,516	8,574	66
North Dakota.....	--	--	--	571	8,643	94	24,462	6,554	77	25,033	6,602	77
South Dakota.....	--	--	--	2,148	8,523	139	--	--	--	2,148	8,523	139
South Atlantic.....	159,393	12,377	182	14,882	8,803	162	--	--	--	180,464	12,071	179
Delaware.....	2,063	12,687	--	85	8,731	--	--	--	--	2,148	12,530	W
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--	--
Florida.....	31,850	12,251	189	26	8,939	171	--	--	--	32,284	12,249	192
Georgia.....	23,040	12,421	187	14,412	8,792	163	--	--	--	37,453	11,024	180
Maryland.....	8,206	12,559	--	--	--	--	--	--	--	12,818	12,653	174
North Carolina.....	30,108	12,345	200	--	--	--	--	--	--	30,108	12,345	200
South Carolina.....	14,565	12,562	191	--	--	--	--	--	--	14,914	12,565	W
Virginia.....	15,050	12,713	190	--	--	--	--	--	--	15,050	12,713	195
West Virginia.....	34,510	12,206	141	359	9,240	137	--	--	--	35,689	12,061	135
East South Central.....	86,139	11,808	146	19,334	8,818	121	3,572	5,106	--	117,802	11,127	143
Alabama.....	18,015	11,784	160	11,009	8,796	125	--	--	--	33,805	10,878	W
Kentucky.....	33,357	11,652	141	1,165	8,802	125	--	--	--	37,876	11,550	137
Mississippi.....	5,338	11,786	174	714	8,830	163	3,572	5,106	--	9,624	9,087	W
Tennessee.....	29,430	12,002	137	6,446	8,857	110	--	--	--	36,497	11,457	W
West South Central.....	1,059	11,584	--	99,644	8,652	123	49,908	6,519	131	150,612	7,966	W
Arkansas.....	--	--	--	14,606	8,761	123	--	--	--	14,606	8,761	123
Louisiana.....	*	12,500	--	11,678	8,584	133	3,835	6,809	143	15,513	8,146	W
Oklahoma.....	1,059	11,584	--	19,327	8,705	101	--	--	--	20,386	8,854	W
Texas.....	--	--	--	54,033	8,619	136	46,073	6,494	124	100,106	7,641	131
Mountain.....	48,164	10,720	125	68,468	9,008	101	326	6,628	101	117,465	9,684	111
Arizona.....	8,688	10,913	118	11,627	9,687	137	--	--	--	20,315	10,211	W
Colorado.....	5,647	10,944	103	13,187	9,345	94	--	--	--	18,834	9,824	97
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	10,789	8,561	61	326	6,628	101	11,115	8,504	W
Nevada.....	8,302	11,155	136	187	9,487	129	--	--	--	8,489	11,118	136
New Mexico.....	6,979	9,598	174	9,652	8,956	128	--	--	--	16,632	9,225	148
Utah.....	15,685	10,950	114	346	9,204	125	--	--	--	16,539	10,718	W
Wyoming.....	2,863	9,896	110	22,679	8,691	83	--	--	--	25,542	8,826	87
Pacific Contiguous.....	1,338	12,205	--	8,808	8,215	118	--	--	--	10,146	8,741	W
California.....	1,338	12,205	--	--	--	--	--	--	--	1,338	12,205	188
Oregon.....	--	--	--	2,251	8,402	118	--	--	--	2,251	8,402	118
Washington.....	--	--	--	6,557	8,151	--	--	--	--	6,557	8,151	W
Pacific Noncontiguous.....	--	--	--	647	11,097	--	--	--	--	647	11,097	W
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	647	11,097	--	--	--	--	647	11,097	W
U.S. Total.....	441,186	11,942	154	445,603	8,772	109	78,268	6,466	93	1,002,032	10,074	136

¹ Includes anthracite.² Includes waste coal and synthetic coal not included elsewhere in this table.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "**").

W = Withheld to avoid disclosure of individual company data.

Notes: • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for Bituminous, Subbituminous and Lignite reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.B. Receipts and Average Delivered Cost of Coal by Rank, Census Division and State: Total (All Sectors), 2003

Census Division and State	Bituminous ¹			Subbituminous			Lignite			Total ²		
	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)
New England.....	6,799	12,473	176	1,142	9,589	--	--	--	--	7,941	12,059	189
Connecticut.....	664	12,244	--	1,142	9,589	--	--	--	--	1,806	10,565	W
Maine.....	268	13,124	--	--	--	--	--	--	--	268	13,124	W
Massachusetts.....	4,378	12,200	193	--	--	--	--	--	--	4,378	12,200	W
New Hampshire.....	1,489	13,262	170	--	--	--	--	--	--	1,489	13,262	170
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	37,233	12,651	154	1,015	8,827	--	--	--	--	55,661	11,986	134
New Jersey.....	4,765	13,056	207	--	--	--	--	--	--	4,765	13,056	180
New York.....	8,548	12,989	148	1,015	8,827	--	--	--	--	9,570	12,545	159
Pennsylvania.....	23,920	12,449	121	--	--	--	--	--	--	41,327	11,733	122
East North Central.....	101,237	11,760	125	105,299	8,833	113	--	--	--	210,248	10,288	121
Illinois.....	11,077	10,803	135	43,167	8,759	97	--	--	--	54,244	9,176	116
Indiana.....	38,418	11,293	117	17,436	8,913	122	--	--	--	55,854	10,550	W
Michigan.....	10,150	12,669	160	23,628	9,021	118	--	--	--	33,846	10,123	134
Ohio.....	39,556	12,233	120	--	--	--	--	--	--	43,200	12,160	121
Wisconsin.....	2,037	12,085	162	21,068	8,709	104	--	--	--	23,104	9,006	W
West North Central.....	3,643	11,238	136	115,936	8,695	91	25,010	6,535	74	144,589	8,386	91
Iowa.....	939	11,047	131	18,924	8,589	85	--	--	--	19,863	8,705	W
Kansas.....	467	10,991	123	20,971	8,566	101	--	--	--	21,438	8,619	101
Minnesota.....	195	11,453	187	20,364	8,871	106	--	--	--	20,558	8,895	W
Missouri.....	2,043	11,362	136	40,955	8,740	89	--	--	--	42,999	8,865	W
Nebraska.....	--	--	--	12,479	8,673	60	--	--	--	12,479	8,673	60
North Dakota.....	--	--	--	244	8,009	86	25,010	6,535	74	25,254	6,549	74
South Dakota.....	--	--	--	1,998	8,560	134	--	--	--	1,998	8,560	134
South Atlantic.....	164,327	12,443	163	7,737	8,789	171	--	--	--	177,204	12,267	162
Delaware.....	1,667	12,803	--	--	--	--	--	--	--	1,667	12,803	W
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--	--
Florida.....	33,973	12,282	173	--	--	--	--	--	--	34,303	12,281	176
Georgia.....	26,342	12,506	172	7,737	8,789	171	--	--	--	34,309	11,668	172
Maryland.....	8,465	12,629	--	--	--	--	--	--	--	11,112	12,708	163
North Carolina.....	30,053	12,423	178	--	--	--	--	--	--	30,053	12,423	178
South Carolina.....	12,148	12,682	163	--	--	--	--	--	--	13,214	12,669	W
Virginia.....	14,576	12,826	156	--	--	--	--	--	--	14,576	12,826	167
West Virginia.....	37,104	12,274	128	--	--	--	--	--	--	37,970	12,166	125
East South Central.....	85,558	11,857	136	18,509	8,732	119	3,739	5,084	--	117,866	11,145	133
Alabama.....	20,206	11,862	153	10,816	8,781	128	--	--	--	36,297	10,977	W
Kentucky.....	33,090	11,663	126	1,542	8,708	132	--	--	--	38,702	11,498	123
Mississippi.....	5,841	11,892	157	--	--	--	3,739	5,084	--	9,581	9,235	W
Tennessee.....	26,421	12,088	130	6,151	8,651	99	--	--	--	33,287	11,465	W
West South Central.....	1,337	11,963	--	95,173	8,663	117	50,785	6,462	120	147,294	7,934	121
Arkansas.....	--	--	--	13,763	8,758	120	--	--	--	13,763	8,758	120
Louisiana.....	20	12,500	--	9,794	8,512	132	3,995	6,800	134	13,809	8,023	W
Oklahoma.....	1,131	11,944	--	20,030	8,699	96	--	--	--	21,161	8,872	W
Texas.....	185	12,017	--	51,586	8,652	128	46,790	6,433	111	98,562	7,605	125
Mountain.....	35,300	11,123	115	76,993	9,050	105	335	6,718	96	113,140	9,669	107
Arizona.....	6,749	10,906	117	11,909	9,614	132	--	--	--	18,657	10,081	W
Colorado.....	6,002	11,050	105	12,903	9,209	92	--	--	--	18,904	9,793	97
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	10,389	8,573	61	335	6,718	96	10,724	8,515	W
Nevada.....	7,732	11,120	142	--	--	--	--	--	--	7,732	11,120	142
New Mexico.....	--	--	--	16,514	9,164	143	--	--	--	16,514	9,164	143
Utah.....	14,818	11,254	105	--	--	--	--	--	--	15,330	11,025	W
Wyoming.....	--	--	--	25,279	8,826	82	--	--	--	25,279	8,826	82
Pacific Contiguous.....	1,375	12,082	--	9,993	8,179	125	--	--	--	11,368	8,651	W
California.....	1,375	12,082	--	56	8,500	--	--	--	--	1,430	11,943	173
Oregon.....	--	--	--	2,667	8,516	125	--	--	--	2,667	8,516	125
Washington.....	--	--	--	7,270	8,052	--	--	--	--	7,270	8,052	W
Pacific Noncontiguous.....	--	--	--	715	11,422	--	--	--	--	715	11,422	W
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	715	11,422	--	--	--	--	715	11,422	W
U.S. Total.....	436,809	12,069	142	432,513	8,783	106	79,869	6,422	88	986,026	10,137	128

¹ Includes anthracite.² Includes waste coal and synthetic coal not included elsewhere in this table.

W = Withheld to avoid disclosure of individual company data.

Notes: • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for Bituminous, Subbituminous and Lignite reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 5. Receipts of Petroleum Liquids for Electric Generation by Census Division and State: Total (All Sectors), 2004 and 2003
(Thousand Barrels)

Census Division and State	2004	2003
New England.....	21,459	21,698
Connecticut.....	3,210	3,712
Maine.....	2,026	3,373
Massachusetts.....	13,087	10,999
New Hampshire.....	3,127	3,610
Rhode Island.....	8	6
Vermont.....	--	--
Middle Atlantic.....	44,356	43,329
New Jersey.....	1,684	2,140
New York.....	35,538	33,654
Pennsylvania.....	7,134	7,536
East North Central.....	3,320	5,105
Illinois.....	965	1,376
Indiana.....	301	526
Michigan.....	1,429	1,674
Ohio.....	553	1,457
Wisconsin.....	72	72
West North Central.....	2,006	1,933
Iowa.....	98	100
Kansas.....	1,573	1,541
Minnesota.....	128	91
Missouri.....	118	109
Nebraska.....	17	16
North Dakota.....	66	70
South Dakota.....	5	6
South Atlantic.....	66,983	69,818
Delaware.....	1,294	2,552
District of Columbia.....	118	226
Florida.....	47,447	48,569
Georgia.....	704	638
Maryland.....	1,944	1,876
North Carolina.....	627	921
South Carolina.....	734	748
Virginia.....	13,544	13,758
West Virginia.....	571	529
East South Central.....	5,878	4,745
Alabama.....	318	367
Kentucky.....	234	1,055
Mississippi.....	5,093	3,061
Tennessee.....	233	261
West South Central.....	4,527	6,328
Arkansas.....	85	94
Louisiana.....	3,598	2,587
Oklahoma.....	21	306
Texas.....	822	3,340
Mountain.....	691	405
Arizona.....	132	70
Colorado.....	14	35
Idaho.....	--	--
Montana.....	57	82
Nevada.....	271	24
New Mexico.....	61	75
Utah.....	58	54
Wyoming.....	97	66
Pacific Contiguous.....	614	998
California.....	250	752
Oregon.....	34	110
Washington.....	330	135
Pacific Noncontiguous.....	1,987	1,981
Alaska.....	--	--
Hawaii.....	1,987	1,981
U.S. Total.....	151,821	156,338

Notes: • Includes distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils), residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil), jet fuel, kerosene, and waste oil. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 6. Average Delivered Cost of Petroleum Liquids by Census Division and State: Total (All Sectors), 2004 and 2003

Census Division and State	2004		2003		Percent Change 2003-2004 (cents per million Btu)	Percent Change 2003-2004 (dollars per barrel)
	(cents per million Btu)	(dollars per barrel)	(cents per million Btu)	(dollars per barrel)		
New England.....	W	W	W	W	W	W
Connecticut.....	568	35.20	542	33.41	4.79	5.36
Maine.....	504	32.13	556	35.08	-9.27	-8.41
Massachusetts.....	450	28.14	463	29.13	-2.74	-3.40
New Hampshire.....	W	W	W	W	W	W
Rhode Island.....	W	W	W	W	W	W
Vermont.....	--	--	--	--	--	--
Middle Atlantic.....	511	31.99	507	31.77	.84	.69
New Jersey.....	602	33.49	604	35.33	-.39	-5.21
New York.....	504	31.75	W	W	W	W
Pennsylvania.....	524	32.82	W	W	W	W
East North Central.....	608	37.12	565	34.35	7.59	8.06
Illinois.....	594	36.52	540	33.53	10.05	8.92
Indiana.....	W	W	W	W	W	W
Michigan.....	W	W	W	W	W	W
Ohio.....	W	W	731	42.31	W	W
Wisconsin.....	750	43.81	W	W	W	W
West North Central.....	W	W	W	W	W	W
Iowa.....	709	41.44	635	37.09	11.70	11.73
Kansas.....	409	27.00	362	23.84	13.18	13.26
Minnesota.....	W	W	W	W	W	W
Missouri.....	838	48.56	W	W	W	W
Nebraska.....	712	41.15	457	26.51	55.74	55.22
North Dakota.....	863	50.16	676	39.46	27.67	27.12
South Dakota.....	822	47.84	804	46.65	2.34	2.55
South Atlantic.....	490	31.14	481	30.46	1.87	2.24
Delaware.....	611	37.34	576	35.79	5.96	4.33
District of Columbia.....	W	W	W	W	W	W
Florida.....	472	30.20	461	29.42	2.46	2.65
Georgia.....	W	W	W	W	W	W
Maryland.....	552	34.54	534	33.29	3.39	3.75
North Carolina.....	715	42.47	623	36.83	14.80	15.31
South Carolina.....	W	W	W	W	W	W
Virginia.....	497	31.41	499	31.29	-.39	.38
West Virginia.....	785	46.45	725	42.77	8.31	8.60
East South Central.....	W	W	504	31.64	W	W
Alabama.....	W	W	W	W	W	W
Kentucky.....	W	W	W	W	W	W
Mississippi.....	465	30.38	412	26.87	12.98	13.06
Tennessee.....	842	49.27	619	36.39	36.01	35.39
West South Central.....	W	W	539	32.98	W	W
Arkansas.....	726	42.79	646	38.09	12.47	12.34
Louisiana.....	W	W	W	W	W	W
Oklahoma.....	609	37.01	548	32.73	11.15	13.08
Texas.....	W	W	W	W	W	W
Mountain.....	W	W	744	42.77	W	W
Arizona.....	W	W	W	W	W	W
Colorado.....	1,129	59.79	W	W	W	W
Idaho.....	--	--	--	--	--	--
Montana.....	W	W	W	W	W	W
Nevada.....	473	29.66	601	34.95	-21.29	-15.14
New Mexico.....	W	W	W	W	W	W
Utah.....	924	54.14	722	42.31	27.90	27.96
Wyoming.....	950	55.58	714	41.89	32.95	32.68
Pacific Contiguous.....	W	W	W	W	W	W
California.....	837	46.16	W	W	W	W
Oregon.....	870	51.61	787	45.80	10.45	12.69
Washington.....	W	W	W	W	W	W
Pacific Noncontiguous.....	W	W	W	W	W	W
Alaska.....	--	--	--	--	--	--
Hawaii.....	W	W	W	W	W	W
U.S. Total.....	500	31.58	494	31.02	1.22	1.81

W = Withheld to avoid disclosure of individual company data.

Notes: • Includes distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils), residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil), jet fuel, kerosene, and waste oil. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 7.A. Receipts and Average Delivered Cost of Distillate Fuel Oil by Type of Purchase, Census Division and State: Total (All Sectors), 2004

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost	
		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)
New England.....	138	--	--	720	729	42.41	243	610	35.45	1,100	643	37.38
Connecticut.....	29	--	--	69	--	--	--	--	--	98	--	--
Maine.....	2	--	--	30	--	--	--	--	--	31	--	--
Massachusetts.....	17	--	--	595	706	41.12	243	610	35.45	855	633	36.79
New Hampshire.....	90	--	--	18	827	47.84	*	967	55.98	108	827	47.87
Rhode Island.....	--	--	--	8	--	--	--	--	--	8	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	662	788	46.10	1,496	742	43.33	11	883	51.04	2,167	750	43.82
New Jersey.....	180	777	45.39	215	742	43.33	*	558	32.42	395	743	43.43
New York.....	111	--	--	565	--	--	10	900	51.95	685	899	51.95
Pennsylvania.....	371	842	49.86	716	--	--	--	--	--	1,087	842	49.86
East North Central.....	458	781	45.18	814	781	45.34	153	759	43.89	1,424	778	45.10
Illinois.....	107	682	39.46	80	956	55.06	44	890	51.55	231	909	52.55
Indiana.....	50	811	46.56	129	694	39.99	86	701	40.40	266	718	41.37
Michigan.....	--	--	--	302	830	48.33	1	834	48.63	303	830	48.33
Ohio.....	300	776	44.96	243	756	43.76	10	621	36.08	553	765	44.33
Wisconsin.....	--	--	--	60	697	40.95	11	813	47.70	71	724	42.51
West North Central.....	57	864	50.06	335	779	45.28	105	800	46.62	497	790	45.91
Iowa.....	--	--	--	88	711	41.55	11	692	40.54	98	709	41.44
Kansas.....	--	--	--	69	867	50.19	5	1,135	65.78	74	885	51.24
Minnesota.....	24	--	--	70	693	40.40	24	700	41.00	118	695	40.56
Missouri.....	1	895	53.00	92	844	48.89	25	815	47.18	118	838	48.56
Nebraska.....	2	812	46.74	13	697	40.09	1	745	42.87	17	712	41.15
North Dakota.....	30	867	50.21	2	1,079	63.46	34	845	49.27	66	863	50.16
South Dakota.....	--	--	--	--	--	--	5	822	47.84	5	822	47.84
South Atlantic.....	1,874	847	49.09	2,196	820	47.81	539	818	47.63	4,608	830	48.27
Delaware.....	54	--	--	192	820	47.77	--	--	--	246	820	47.77
District of Columbia.....	118	--	--	--	--	--	--	--	--	118	--	--
Florida.....	660	860	49.54	465	862	49.89	23	815	46.92	1,148	859	49.60
Georgia.....	156	890	51.77	19	1,139	66.26	143	845	49.13	318	877	50.99
Maryland.....	276	--	--	78	--	--	--	--	--	354	--	--
North Carolina.....	305	833	48.43	75	760	44.29	29	842	48.90	409	831	48.35
South Carolina.....	188	798	46.24	9	--	--	67	810	46.94	265	801	46.43
Virginia.....	2	--	--	1,044	773	45.25	192	772	45.06	1,238	773	45.21
West Virginia.....	112	852	49.91	315	857	49.98	85	878	51.20	513	860	50.18
East South Central.....	385	817	48.00	438	718	42.25	306	815	48.12	1,129	779	45.87
Alabama.....	160	768	45.47	2	681	40.64	156	784	46.62	318	777	46.11
Kentucky.....	60	870	50.96	136	926	54.27	38	879	51.53	234	898	52.60
Mississippi.....	*	652	38.38	299	661	38.92	44	784	46.00	343	677	39.83
Tennessee.....	165	829	48.55	--	--	--	68	873	51.03	233	842	49.27
West South Central.....	35	658	38.84	382	698	41.09	146	736	42.97	563	713	41.84
Arkansas.....	--	--	--	77	731	43.01	7	710	41.91	85	729	42.92
Louisiana.....	35	658	38.84	34	652	39.00	11	732	42.90	79	670	39.79
Oklahoma.....	--	--	--	2	776	45.25	9	736	42.85	11	745	43.36
Texas.....	--	--	--	269	682	39.88	119	738	43.05	388	717	41.84
Mountain.....	84	962	55.72	268	906	52.23	69	928	51.70	420	923	52.73
Arizona.....	--	--	--	86	817	46.28	27	1,047	55.07	113	885	48.39
Colorado.....	7	1,213	62.32	2	985	56.04	4	1,149	60.78	14	1,158	60.87
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	52	948	56.15	--	--	--	--	--	--	52	948	56.15
Nevada.....	--	--	--	--	--	--	24	742	43.09	24	742	43.09
New Mexico.....	--	--	--	61	959	54.80	--	--	--	61	959	54.80
Utah.....	--	--	--	48	909	53.25	10	992	58.23	58	924	54.14
Wyoming.....	24	916	53.05	70	961	56.44	3	948	55.63	97	950	55.58
Pacific Contiguous.....	--	--	--	125	918	54.78	52	892	52.13	177	897	52.72
California.....	--	--	--	110	--	--	33	926	53.86	143	925	53.86
Oregon.....	--	--	--	15	918	54.78	19	833	49.07	34	870	51.61
Washington.....	--	--	--	*	--	--	--	--	--	*	--	--
Pacific Noncontiguous.....	9	--	--	3	--	--	--	--	--	13	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	9	--	--	3	--	--	--	--	--	13	--	--
U.S. Total.....	3,700	833	48.38	6,776	791	46.11	1,622	779	45.38	12,097	800	46.58

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*").

Notes: • Distillate fuel oil includes all diesel, No. 1, No. 2, and No. 4 fuel oils. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 7.B. Receipts and Average Delivered Cost of Distillate Fuel Oil by Type of Purchase, Census Division and State: Total (All Sectors), 2003

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost	
		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)
New England	194	--	--	295	731	42.70	645	680	39.48	1,135	685	39.81
Connecticut.....	129	--	--	57	--	--	--	--	--	185	--	--
Maine.....	9	--	--	41	--	--	--	--	--	50	--	--
Massachusetts.....	4	--	--	164	772	45.36	645	680	39.48	812	686	39.87
New Hampshire.....	52	--	--	28	664	38.40	--	--	--	81	664	38.40
Rhode Island.....	--	--	--	6	--	--	--	--	--	6	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	1,070	675	38.75	1,217	597	34.57	110	699	40.35	2,398	612	35.40
New Jersey.....	234	685	39.11	157	597	34.57	--	--	--	391	607	35.07
New York.....	286	--	--	216	--	--	110	699	40.35	612	699	40.35
Pennsylvania.....	551	613	36.33	844	--	--	--	--	--	1,395	613	36.33
East North Central	1,318	742	42.87	1,006	678	39.30	149	665	38.50	2,473	712	41.19
Illinois.....	147	--	--	107	695	40.08	60	668	38.60	314	675	38.98
Indiana.....	71	608	34.88	202	716	41.28	39	691	39.76	312	689	39.64
Michigan.....	--	--	--	303	665	38.61	15	677	39.51	318	665	38.65
Ohio.....	1,100	750	43.38	336	665	38.59	21	629	36.54	1,457	732	42.37
Wisconsin.....	*	--	--	58	659	38.74	14	621	36.43	72	649	38.11
West North Central	22	666	38.60	349	617	35.86	102	680	39.61	472	633	36.80
Iowa.....	*	592	34.80	90	630	36.81	10	684	39.78	100	635	37.09
Kansas.....	--	--	--	80	633	36.62	*	622	35.91	80	633	36.62
Minnesota.....	*	--	--	76	552	32.18	14	675	39.12	91	572	33.33
Missouri.....	--	--	--	91	672	38.83	19	659	38.03	109	670	38.69
Nebraska.....	3	617	35.78	11	383	22.18	2	625	36.24	16	457	26.51
North Dakota.....	18	676	39.13	--	--	--	52	676	39.57	70	676	39.46
South Dakota.....	--	--	--	--	--	--	6	804	46.65	6	804	46.65
South Atlantic	2,273	663	38.55	4,004	670	39.17	469	747	43.42	6,746	678	39.53
Delaware.....	64	--	--	221	690	40.17	4	743	43.17	289	718	41.80
District of Columbia.....	226	--	--	--	--	--	--	--	--	226	--	--
Florida.....	712	666	38.64	658	799	46.47	163	875	50.79	1,534	756	43.91
Georgia.....	170	668	38.89	226	684	39.74	11	635	36.98	408	673	39.13
Maryland.....	208	--	--	123	--	--	--	--	--	331	--	--
North Carolina.....	386	652	37.91	233	633	36.82	107	641	37.25	726	646	37.54
South Carolina.....	131	656	38.07	--	--	--	154	710	41.20	285	685	39.76
Virginia.....	278	--	--	2,177	603	35.39	14	587	33.83	2,470	603	35.39
West Virginia.....	97	695	40.79	366	696	40.71	16	725	42.33	479	697	40.79
East South Central	1,046	741	42.90	558	647	38.16	331	593	34.93	1,935	693	40.37
Alabama.....	156	553	32.30	73	556	32.75	138	579	34.34	367	567	33.35
Kentucky.....	775	785	45.25	241	691	40.46	39	647	37.51	1,055	769	44.41
Mississippi.....	--	--	--	244	632	37.39	7	648	38.35	252	633	37.42
Tennessee.....	115	658	38.64	--	--	--	146	589	34.62	261	619	36.39
West South Central	35	--	--	2,984	622	37.84	817	647	37.80	3,836	633	37.82
Arkansas.....	--	--	--	91	646	38.12	3	630	37.12	94	646	38.09
Louisiana.....	35	--	--	498	601	37.70	54	663	39.78	587	607	37.90
Oklahoma.....	--	--	--	127	606	34.49	70	571	32.71	197	593	33.86
Texas.....	--	--	--	2,267	748	43.11	690	655	38.25	2,957	667	38.93
Mountain	121	743	42.76	211	751	43.65	64	712	41.26	397	742	43.00
Arizona.....	--	--	--	52	795	46.55	18	717	42.06	70	773	45.32
Colorado.....	27	991	51.05	4	710	40.63	4	890	45.70	35	915	48.07
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	75	734	43.45	--	--	--	--	--	--	75	734	43.45
Nevada.....	7	542	31.67	--	--	--	16	637	36.82	23	607	35.20
New Mexico.....	--	--	--	75	758	43.27	--	--	--	75	758	43.27
Utah.....	--	--	--	30	719	42.14	23	726	42.53	54	722	42.31
Wyoming.....	13	664	38.48	49	725	42.62	4	744	43.68	66	714	41.89
Pacific Contiguous	--	--	--	6	652	38.34	136	753	43.83	143	749	43.60
California.....	--	--	--	*	--	--	32	616	35.96	32	616	35.96
Oregon.....	--	--	--	6	652	38.34	104	795	46.23	110	787	45.80
Washington.....	--	--	--	*	--	--	--	--	--	*	--	--
Pacific Noncontiguous	11	--	--	2	--	--	--	--	--	13	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	11	--	--	2	--	--	--	--	--	13	--	--
U.S. Total	6,090	716	41.49	10,632	660	38.80	2,824	676	39.36	19,546	681	39.78

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*").

Notes: • Distillate fuel oil includes all diesel, No. 1, No. 2, and No. 4 fuel oils. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 7.C. Receipts and Average Delivered Cost of Residual Fuel Oil by Type of Purchase, Census Division and State: Total (All Sectors), 2004

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost	
		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)
New England.....	1,370	--	--	18,890	395	25.47	33	431	27.48	20,294	396	25.50
Connecticut.....	44	--	--	3,025	--	--	--	--	--	3,069	--	--
Maine.....	523	--	--	1,460	--	--	--	--	--	1,983	--	--
Massachusetts.....	803	--	--	11,406	456	29.05	14	479	30.02	12,223	459	29.19
New Hampshire.....	--	--	--	3,000	393	25.38	19	397	25.61	3,019	393	25.38
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic.....	18,479	448	28.46	19,386	388	24.58	3,524	446	27.98	41,389	445	28.18
New Jersey.....	1	553	34.86	405	325	20.58	356	360	22.54	761	342	21.52
New York.....	18,478	448	28.46	12,945	471	29.82	3,168	455	28.60	34,591	450	28.52
Pennsylvania.....	--	--	--	6,037	--	--	--	--	--	6,037	--	--
East North Central.....	74	--	--	1,801	455	28.98	20	485	31.15	1,895	455	29.03
Illinois.....	74	--	--	661	--	--	--	--	--	734	--	--
Indiana.....	--	--	--	34	--	--	1	531	33.43	35	531	33.43
Michigan.....	--	--	--	1,106	455	28.98	19	482	31.00	1,125	455	29.02
Ohio.....	--	--	--	--	--	--	--	--	--	--	--	--
Wisconsin.....	--	--	--	--	--	--	--	--	--	--	--	--
West North Central.....	--	--	--	1,375	388	25.72	134	407	26.92	1,509	389	25.83
Iowa.....	--	--	--	--	--	--	--	--	--	--	--	--
Kansas.....	--	--	--	1,375	388	25.72	124	402	26.67	1,499	389	25.80
Minnesota.....	--	--	--	--	--	--	10	470	29.94	10	470	29.94
Missouri.....	--	--	--	--	--	--	--	--	--	--	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic.....	15,995	477	30.53	21,977	469	29.91	24,140	455	29.25	62,113	465	29.78
Delaware.....	--	--	--	854	528	33.53	--	--	--	854	528	33.53
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--	--
Florida.....	13,961	477	30.53	12,700	465	29.67	19,618	452	29.10	46,279	463	29.69
Georgia.....	172	--	--	210	450	28.19	4	429	26.50	387	449	28.09
Maryland.....	1,224	--	--	337	--	--	--	--	--	1,561	--	--
North Carolina.....	198	--	--	--	--	--	--	--	--	198	--	--
South Carolina.....	--	--	--	435	--	--	34	507	32.25	469	507	32.25
Virginia.....	381	--	--	7,441	473	30.19	4,484	468	29.85	12,306	471	30.06
West Virginia.....	58	--	--	--	--	--	--	--	--	58	--	--
East South Central.....	--	--	--	4,566	452	29.75	183	436	28.62	4,750	451	29.70
Alabama.....	--	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	4,566	452	29.75	183	436	28.62	4,750	451	29.70
Tennessee.....	--	--	--	--	--	--	--	--	--	--	--	--
West South Central.....	235	575	37.86	3,321	470	30.75	408	491	30.98	3,964	480	31.29
Arkansas.....	--	--	--	--	--	--	1	472	30.05	1	472	30.05
Louisiana.....	235	575	37.86	2,893	470	30.75	391	492	30.99	3,519	480	31.29
Oklahoma.....	--	--	--	--	--	--	10	475	30.27	10	475	30.27
Texas.....	--	--	--	428	--	--	6	492	31.37	434	491	31.37
Mountain.....	--	--	--	--	--	--	256	447	28.38	256	447	28.38
Arizona.....	--	--	--	--	--	--	8	458	29.21	8	458	29.21
Colorado.....	--	--	--	--	--	--	*	474	30.21	*	474	30.21
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	247	447	28.35	247	447	28.35
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous.....	--	--	--	--	--	--	--	--	--	--	--	--
California.....	--	--	--	--	--	--	--	--	--	--	--	--
Oregon.....	--	--	--	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous.....	1,974	--	--	--	--	--	--	--	--	1,974	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	1,974	--	--	--	--	--	--	--	--	1,974	--	--
U.S. Total.....	38,127	465	29.66	71,317	454	29.21	28,699	454	29.09	138,143	457	29.30

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*").

Notes: • Residual fuel oil includes No. 5 and No. 6 fuel oils and bunker C fuel oil. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 7.D. Receipts and Average Delivered Cost of Residual Fuel Oil by Type of Purchase, Census Division and State: Total (All Sectors), 2003

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost		Receipts (1,000 barrels)	Cost	
		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)		(cents per million Btu)	(\$ per bbl)
New England	1,703	--	--	18,194	369	23.71	361	491	31.31	20,258	374	24.02
Connecticut.....	306	--	--	3,181	--	--	--	--	--	3,487	--	--
Maine.....	258	--	--	2,816	--	--	--	--	--	3,074	--	--
Massachusetts.....	1,138	--	--	8,699	441	27.86	330	511	32.51	10,168	482	30.57
New Hampshire.....	--	--	--	3,499	367	23.61	30	413	26.58	3,529	368	23.64
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	17,332	432	27.61	14,890	413	26.16	7,285	472	29.72	39,506	444	28.23
New Jersey.....	50	521	33.00	402	367	23.24	237	314	19.82	689	355	22.47
New York.....	17,281	432	27.58	8,359	473	29.92	7,048	479	30.18	32,688	446	28.37
Pennsylvania.....	1	--	--	6,129	--	--	--	--	--	6,130	--	--
East North Central	--	--	--	2,312	427	27.26	131	412	26.08	2,443	426	27.14
Illinois.....	--	--	--	1,062	--	--	--	--	--	1,062	--	--
Indiana.....	--	--	--	25	--	--	1	487	30.70	25	487	30.70
Michigan.....	--	--	--	1,226	427	27.26	130	412	26.06	1,356	426	27.14
Ohio.....	--	--	--	--	--	--	--	--	--	--	--	--
Wisconsin.....	--	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	1,423	351	23.27	38	273	18.11	1,461	349	23.14
Iowa.....	--	--	--	--	--	--	--	--	--	--	--	--
Kansas.....	--	--	--	1,423	351	23.27	38	273	18.10	1,461	349	23.14
Minnesota.....	--	--	--	--	--	--	*	419	26.74	*	419	26.74
Missouri.....	--	--	--	--	--	--	--	--	--	--	--	--
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	20,826	453	28.98	19,384	460	29.31	22,514	448	28.74	62,723	453	28.98
Delaware.....	--	--	--	1,959	476	30.24	--	--	--	1,959	476	30.24
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--	--
Florida.....	18,880	453	28.98	10,114	448	28.45	18,042	443	28.46	47,036	448	28.68
Georgia.....	165	--	--	29	477	28.60	36	479	25.79	230	478	27.06
Maryland.....	1,118	--	--	388	--	--	--	--	--	1,506	--	--
North Carolina.....	190	--	--	--	--	--	--	--	--	190	--	--
South Carolina.....	--	--	--	411	--	--	52	497	31.51	463	497	31.51
Virginia.....	422	--	--	6,482	476	30.39	4,384	468	29.89	11,289	473	30.19
West Virginia.....	50	--	--	--	--	--	--	--	--	50	--	--
East South Central	--	--	--	2,717	388	25.52	92	576	37.89	2,809	394	25.93
Alabama.....	--	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	--	--	--	--	--	--	--	--	--	--	--	--
Mississippi.....	--	--	--	2,717	388	25.52	92	576	37.89	2,809	394	25.93
Tennessee.....	--	--	--	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	1,979	469	30.53	514	455	29.09	2,492	465	30.15
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	--	--	--	1,550	468	30.48	450	452	28.91	2,000	464	30.10
Oklahoma.....	--	--	--	50	475	31.12	59	476	30.31	109	475	30.68
Texas.....	--	--	--	379	566	35.20	4	481	30.35	383	539	33.69
Mountain	--	--	--	--	--	--	1	432	27.51	1	432	27.51
Arizona.....	--	--	--	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	1	432	27.51	1	432	27.51
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	5	592	36.98	--	--	--	5	592	36.98
California.....	--	--	--	5	592	36.98	--	--	--	5	592	36.98
Oregon.....	--	--	--	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	1,968	--	--	--	--	--	--	--	--	1,968	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	1,968	--	--	--	--	--	--	--	--	1,968	--	--
U.S. Total	41,828	445	28.44	60,904	432	27.73	30,934	453	28.95	133,667	444	28.40

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "**").

Notes: • Residual fuel oil includes No. 5 and No. 6 fuel oils and bunker C oil. • Receipts reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 8. Receipts of Petroleum Coke for Electric Generation by Census Division and State: Total (All Sectors), 2004 and 2003

Census Division and State	2004		2003	
	Thousand Tons	Thousand Barrels	Thousand Tons	Thousand Barrels
New England	--	--	--	--
Connecticut.....	--	--	--	--
Maine.....	--	--	--	--
Massachusetts.....	--	--	--	--
New Hampshire.....	--	--	--	--
Rhode Island.....	--	--	--	--
Vermont.....	--	--	--	--
Middle Atlantic	738	3,688	337	1,683
New Jersey.....	--	--	--	--
New York.....	398	1,992	57	284
Pennsylvania.....	339	1,695	280	1,399
East North Central	526	2,630	493	2,467
Illinois.....	74	368	--	--
Indiana.....	96	479	89	447
Michigan.....	55	275	66	329
Ohio.....	--	--	--	--
Wisconsin.....	302	1,508	338	1,691
West North Central	320	1,598	284	1,420
Iowa.....	14	68	--	--
Kansas.....	3	15	--	--
Minnesota.....	241	1,204	259	1,295
Missouri.....	62	311	25	125
Nebraska.....	--	--	--	--
North Dakota.....	--	--	--	--
South Dakota.....	--	--	--	--
South Atlantic	3,415	17,074	2,860	14,298
Delaware.....	--	--	--	--
District of Columbia.....	--	--	--	--
Florida.....	2,870	14,352	2,532	12,660
Georgia.....	300	1,502	312	1,558
Maryland.....	--	--	--	--
North Carolina.....	--	--	--	--
South Carolina.....	244	1,220	16	80
Virginia.....	--	--	--	--
West Virginia.....	--	--	--	--
East South Central	592	2,961	733	3,665
Alabama.....	--	--	--	--
Kentucky.....	592	2,961	733	3,665
Mississippi.....	--	--	--	--
Tennessee.....	--	--	--	--
West South Central	1,203	6,013	934	4,672
Arkansas.....	--	--	--	--
Louisiana.....	677	3,385	667	3,334
Oklahoma.....	--	--	--	--
Texas.....	526	2,628	268	1,338
Mountain	--	--	--	--
Arizona.....	--	--	--	--
Colorado.....	--	--	--	--
Idaho.....	--	--	--	--
Montana.....	--	--	--	--
Nevada.....	--	--	--	--
New Mexico.....	--	--	--	--
Utah.....	--	--	--	--
Wyoming.....	--	--	--	--
Pacific Contiguous	174	871	205	1,025
California.....	174	871	205	1,025
Oregon.....	--	--	--	--
Washington.....	--	--	--	--
Pacific Noncontiguous	--	--	--	--
Alaska.....	--	--	--	--
Hawaii.....	--	--	--	--
U.S. Total	6,967	34,834	5,846	29,229

Notes: • As stated in the EIA Glossary (<http://www.eia.doe.gov/cneaf/electricity/page/glossary.html>), in order to convert petroleum coke to liquid petroleum equivalent the quantity conversion is 5 barrels (of 42 U.S. gallons per barrel) per short ton (2,000 pounds). Coke from petroleum has a heating value of 6.024 million Btu per barrel. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 9. Average Delivered Cost of Petroleum Coke by Census Division and State: Total (All Sectors), 2004 and 2003

Census Division and State	2004		2003		Percent Change 2003-2004 (cents per million Btu)	Percent Change 2003-2004 (dollars per ton)
	(cents per million Btu)	(dollars per ton)	(cents per million Btu)	(dollars per ton)		
New England	--	--	--	--	--	--
Connecticut.....	--	--	--	--	--	--
Maine.....	--	--	--	--	--	--
Massachusetts.....	--	--	--	--	--	--
New Hampshire.....	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--
Middle Atlantic	105	28.49	80	21.31	30.92	33.68
New Jersey.....	--	--	--	--	--	--
New York.....	121	33.70	W	W	W	W
Pennsylvania.....	86	22.37	W	W	W	W
East North Central	W	W	W	W	W	W
Illinois.....	113	31.99	--	--	--	--
Indiana.....	95	26.47	92	25.91	3.01	2.16
Michigan.....	W	W	94	26.49	W	W
Ohio.....	--	--	--	--	--	--
Wisconsin.....	W	W	W	W	W	W
West North Central	50	14.29	50	14.12	-.49	1.18
Iowa.....	87	24.40	--	--	--	--
Kansas.....	93	26.55	--	--	--	--
Minnesota.....	43	12.13	49	13.62	-12.01	-10.94
Missouri.....	68	19.85	67	19.35	1.27	2.58
Nebraska.....	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--
South Atlantic	W	W	W	W	W	W
Delaware.....	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--
Florida.....	94	26.46	75	21.41	23.87	23.59
Georgia.....	W	W	W	W	W	W
Maryland.....	--	--	--	--	--	--
North Carolina.....	--	--	--	--	--	--
South Carolina.....	84	23.55	70	19.85	19.14	18.64
Virginia.....	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--
East South Central	65	17.93	W	W	W	W
Alabama.....	--	--	--	--	--	--
Kentucky.....	65	17.93	W	W	W	W
Mississippi.....	--	--	--	--	--	--
Tennessee.....	--	--	--	--	--	--
West South Central	W	W	39	11.39	W	W
Arkansas.....	--	--	--	--	--	--
Louisiana.....	W	W	W	W	W	W
Oklahoma.....	--	--	--	--	--	--
Texas.....	W	W	W	W	W	W
Mountain	--	--	--	--	--	--
Arizona.....	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--
Pacific Contiguous	148	42.14	W	W	W	W
California.....	148	42.14	W	W	W	W
Oregon.....	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--
U.S. Total	83	23.48	72	20.39	15.49	15.15

W = Withheld to avoid disclosure of individual company data.

Notes: • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 10.A. Receipts and Average Delivered Cost of Petroleum Coke by Type of Purchase, Census Division and State: Total (All Sectors), 2004

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost	
		(cents per million Btu)	(\$ per ton)		(cents per million Btu)	(\$ per ton)		(cents per million Btu)	(\$ per ton)		(cents per million Btu)	(\$ per ton)
New England	--	--	--	--	--	--	--	--	--	--	--	--
Connecticut.....	--	--	--	--	--	--	--	--	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts.....	--	--	--	--	--	--	--	--	--	--	--	--
New Hampshire.....	--	--	--	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	394	--	--	344	--	--	--	--	--	738	105	28.49
New Jersey.....	--	--	--	--	--	--	--	--	--	--	--	--
New York.....	279	--	--	119	--	--	--	--	--	398	121	33.70
Pennsylvania.....	114	--	--	225	--	--	--	--	--	339	86	22.37
East North Central	302	103	28.87	173	80	22.27	51	83	23.71	526	W	W
Illinois.....	74	113	31.99	--	--	--	--	--	--	74	113	31.99
Indiana.....	96	95	26.47	--	--	--	--	--	--	96	95	26.47
Michigan.....	--	--	--	55	104	28.77	--	--	--	55	W	W
Ohio.....	--	--	--	--	--	--	--	--	--	--	--	--
Wisconsin.....	132	--	--	118	71	19.82	51	83	23.71	302	W	W
West North Central	275	46	13.12	24	78	22.91	21	71	19.96	320	50	14.29
Iowa.....	--	--	--	3	108	30.39	11	81	22.68	14	87	24.40
Kansas.....	--	--	--	3	93	26.55	--	--	--	3	93	26.55
Minnesota.....	236	43	12.13	--	--	--	5	43	12.13	241	43	12.13
Missouri.....	40	65	19.00	18	71	21.01	5	80	22.63	62	68	19.85
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	265	133	37.15	2,204	91	25.82	946	91	25.52	3,415	W	W
Delaware.....	--	--	--	--	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--	--
Florida.....	138	133	37.15	2,031	91	25.82	702	93	26.20	2,870	94	26.46
Georgia.....	127	--	--	173	--	--	--	--	--	300	W	W
Maryland.....	--	--	--	--	--	--	--	--	--	--	--	--
North Carolina.....	--	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	244	84	23.55	244	84	23.55
Virginia.....	--	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--	--
East South Central	372	--	--	221	--	--	--	--	--	592	65	17.93
Alabama.....	--	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	372	--	--	221	--	--	--	--	--	592	65	17.93
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--	--
Tennessee.....	--	--	--	--	--	--	--	--	--	--	--	--
West South Central	1,203	--	--	--	--	--	--	--	--	1,203	W	W
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	677	--	--	--	--	--	--	--	--	677	W	W
Oklahoma.....	--	--	--	--	--	--	--	--	--	--	--	--
Texas.....	526	--	--	--	--	--	--	--	--	526	W	W
Mountain	--	--	--	--	--	--	--	--	--	--	--	--
Arizona.....	--	--	--	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	120	--	--	54	--	--	--	--	--	174	148	42.14
California.....	120	--	--	54	--	--	--	--	--	174	148	42.14
Oregon.....	--	--	--	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	2,930	83	23.39	3,019	90	25.53	1,018	90	25.31	6,967	83	23.48

W = Withheld to avoid disclosure of individual company data.

Notes: • Receipts and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for contract, spot, and unclassified/other purchase types reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 10.B. Receipts and Average Delivered Cost of Petroleum Coke by Type of Purchase, Census Division and State: Total (All Sectors), 2003

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost		Receipts (1,000 tons)	Cost	
		(cents per million Btu)	(\$ per ton)		(cents per million Btu)	(\$ per ton)		(cents per million Btu)	(\$ per ton)		(cents per million Btu)	(\$ per ton)
New England	--	--	--	--	--	--	--	--	--	--	--	--
Connecticut.....	--	--	--	--	--	--	--	--	--	--	--	--
Maine.....	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts.....	--	--	--	--	--	--	--	--	--	--	--	--
New Hampshire.....	--	--	--	--	--	--	--	--	--	--	--	--
Rhode Island.....	--	--	--	--	--	--	--	--	--	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	114	--	--	223	--	--	--	--	--	337	80	21.31
New Jersey.....	--	--	--	--	--	--	--	--	--	--	--	--
New York.....	--	--	--	57	--	--	--	--	--	57	W	W
Pennsylvania.....	114	--	--	166	--	--	--	--	--	280	W	W
East North Central	258	92	25.91	233	80	22.49	3	81	23.13	493	W	W
Illinois.....	--	--	--	--	--	--	--	--	--	--	--	--
Indiana.....	89	92	25.91	--	--	--	*	72	20.57	89	92	25.91
Michigan.....	--	--	--	66	94	26.49	*	84	23.61	66	94	26.49
Ohio.....	--	--	--	--	--	--	--	--	--	--	--	--
Wisconsin.....	168	--	--	167	74	20.92	3	81	23.10	338	W	W
West North Central	259	49	13.62	6	66	19.02	19	67	19.46	284	50	14.12
Iowa.....	--	--	--	--	--	--	--	--	--	--	--	--
Kansas.....	--	--	--	--	--	--	--	--	--	--	--	--
Minnesota.....	259	49	13.62	--	--	--	--	--	--	259	49	13.62
Missouri.....	--	--	--	6	66	19.02	19	67	19.46	25	67	19.35
Nebraska.....	--	--	--	--	--	--	--	--	--	--	--	--
North Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	377	65	18.51	2,223	78	22.18	259	61	17.16	2,860	W	W
Delaware.....	--	--	--	--	--	--	--	--	--	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--	--	--	--
Florida.....	183	65	18.51	2,105	78	22.18	243	60	16.98	2,532	75	21.41
Georgia.....	194	--	--	118	--	--	--	--	--	312	W	W
Maryland.....	--	--	--	--	--	--	--	--	--	--	--	--
North Carolina.....	--	--	--	--	--	--	--	--	--	--	--	--
South Carolina.....	--	--	--	--	--	--	16	70	19.85	16	70	19.85
Virginia.....	--	--	--	--	--	--	--	--	--	--	--	--
West Virginia.....	--	--	--	--	--	--	--	--	--	--	--	--
East South Central	551	--	--	182	57	15.87	--	--	--	733	W	W
Alabama.....	--	--	--	--	--	--	--	--	--	--	--	--
Kentucky.....	551	--	--	182	57	15.87	--	--	--	733	W	W
Mississippi.....	--	--	--	--	--	--	--	--	--	--	--	--
Tennessee.....	--	--	--	--	--	--	--	--	--	--	--	--
West South Central	894	--	--	41	--	--	--	--	--	934	39	11.39
Arkansas.....	--	--	--	--	--	--	--	--	--	--	--	--
Louisiana.....	667	--	--	--	--	--	--	--	--	667	W	W
Oklahoma.....	--	--	--	--	--	--	--	--	--	--	--	--
Texas.....	227	--	--	41	--	--	--	--	--	268	W	W
Mountain	--	--	--	--	--	--	--	--	--	--	--	--
Arizona.....	--	--	--	--	--	--	--	--	--	--	--	--
Colorado.....	--	--	--	--	--	--	--	--	--	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	--	--	--	--	--	--	--	--	--	--	--	--
Nevada.....	--	--	--	--	--	--	--	--	--	--	--	--
New Mexico.....	--	--	--	--	--	--	--	--	--	--	--	--
Utah.....	--	--	--	--	--	--	--	--	--	--	--	--
Wyoming.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	205	--	--	--	--	--	--	--	--	205	W	W
California.....	205	--	--	--	--	--	--	--	--	205	W	W
Oregon.....	--	--	--	--	--	--	--	--	--	--	--	--
Washington.....	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	2,658	62	17.37	2,907	78	22.18	281	61	17.37	5,846	72	20.39

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "**").

W = Withheld to avoid disclosure of individual company data.

Notes: • Receipts and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for contract, spot, and unclassified/other purchase types reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 11.A. Receipts and Average Delivered Cost of Petroleum Liquids and Petroleum Coke by Type, Census Division and State: Total (All Sectors), 2004

Census Division and State	Distillate Fuel Oil ¹			Residual Fuel Oil ²			Total Petroleum liquids ³			Petroleum Coke		
	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per million Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per million Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)
New England	1,100	137,899	643	20,294	150,224	396	21,459	149,533	W	--	--	--
Connecticut.....	98	138,681	--	3,069	148,145	--	3,210	147,602	568	--	--	--
Maine.....	31	137,719	--	1,983	152,057	--	2,026	151,731	504	--	--	--
Massachusetts.....	855	138,331	633	12,223	149,621	459	13,087	148,871	450	--	--	--
New Hampshire.....	108	133,624	827	3,019	153,571	393	3,127	152,883	W	--	--	--
Rhode Island.....	8	140,562	--	--	--	--	8	140,562	W	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,167	137,916	750	41,389	150,440	445	44,356	149,231	511	738	13,541	105
New Jersey.....	395	138,729	743	761	149,952	342	1,684	135,095	602	--	--	--
New York.....	685	137,252	899	34,591	150,312	450	35,538	149,919	504	398	13,971	121
Pennsylvania.....	1,087	138,038	842	6,037	151,238	--	7,134	149,140	524	339	13,036	86
East North Central	1,424	138,008	778	1,895	151,369	455	3,320	145,635	608	526	14,088	W
Illinois.....	231	137,893	909	734	150,000	--	965	147,107	594	74	14,110	113
Indiana.....	266	137,124	718	35	150,000	531	301	138,636	W	96	13,981	95
Michigan.....	303	138,631	830	1,125	152,305	455	1,429	149,402	W	55	13,829	W
Ohio.....	553	137,986	765	--	--	--	553	137,986	W	--	--	--
Wisconsin.....	71	139,202	724	--	--	--	72	139,193	750	302	14,164	W
West North Central	497	138,572	790	1,509	157,957	389	2,006	153,155	W	320	14,223	50
Iowa.....	98	139,250	709	--	--	--	98	139,250	709	14	14,084	87
Kansas.....	74	137,895	885	1,499	158,000	389	1,573	157,050	409	3	14,315	93
Minnesota.....	118	139,405	695	10	151,533	470	128	140,352	W	241	14,111	43
Missouri.....	118	137,924	838	--	--	--	118	137,924	838	62	14,680	68
Nebraska.....	17	136,976	712	--	--	--	17	136,976	712	--	--	--
North Dakota.....	66	138,410	863	--	--	--	66	138,410	863	--	--	--
South Dakota.....	5	138,536	822	--	--	--	5	138,536	822	--	--	--
South Atlantic	4,608	138,561	830	62,113	152,387	465	66,983	151,345	490	3,415	14,144	W
Delaware.....	246	138,640	820	854	151,093	528	1,294	146,312	611	--	--	--
District of Columbia.....	118	141,352	--	--	--	--	118	141,352	W	--	--	--
Florida.....	1,148	137,779	859	46,279	152,607	463	47,447	152,224	472	2,870	14,156	94
Georgia.....	318	138,417	877	387	144,733	449	704	141,883	W	300	14,072	W
Maryland.....	354	139,333	--	1,561	151,876	--	1,944	149,417	552	--	--	--
North Carolina.....	409	138,690	831	198	151,683	--	627	141,338	715	--	--	--
South Carolina.....	265	137,860	801	469	151,686	507	734	146,700	W	244	14,092	84
Virginia.....	1,238	138,724	773	12,306	151,969	471	13,544	150,757	497	--	--	--
West Virginia.....	513	139,052	860	58	157,540	--	571	140,943	785	--	--	--
East South Central	1,129	140,616	779	4,750	156,757	451	5,878	153,657	W	592	13,793	65
Alabama.....	318	142,757	777	--	--	--	318	142,757	W	--	--	--
Kentucky.....	234	139,626	898	--	--	--	234	139,626	W	592	13,793	65
Mississippi.....	343	140,164	677	4,750	156,757	451	5,093	155,638	465	--	--	--
Tennessee.....	233	139,357	842	--	--	--	233	139,357	842	--	--	--
West South Central	563	139,161	713	3,964	154,437	480	4,527	152,536	W	1,203	14,473	W
Arkansas.....	85	140,214	729	1	151,452	472	85	140,321	726	--	--	--
Louisiana.....	79	140,852	670	3,519	154,921	480	3,598	154,610	W	677	14,668	W
Oklahoma.....	11	138,671	745	10	151,862	475	21	145,071	609	--	--	--
Texas.....	388	138,600	717	434	150,576	491	822	144,924	W	526	14,221	W
Mountain	420	136,746	923	256	151,079	447	691	141,657	W	--	--	--
Arizona.....	113	132,552	885	8	151,910	458	132	133,595	W	--	--	--
Colorado.....	14	125,519	1,158	*	151,824	474	14	126,438	1,129	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	52	140,986	948	--	--	--	57	137,064	W	--	--	--
Nevada.....	24	138,286	742	247	151,050	447	271	149,914	473	--	--	--
New Mexico.....	61	136,007	959	--	--	--	61	136,007	W	--	--	--
Utah.....	58	139,512	924	--	--	--	58	139,512	924	--	--	--
Wyoming.....	97	139,338	950	--	--	--	97	139,338	950	--	--	--
Pacific Contiguous	177	138,931	897	--	--	--	614	135,601	W	174	14,278	148
California.....	143	138,424	925	--	--	--	250	129,936	837	174	14,278	148
Oregon.....	34	141,074	870	--	--	--	34	141,074	870	--	--	--
Washington.....	*	139,524	--	--	--	--	330	139,331	W	--	--	--
Pacific Noncontiguous	13	131,557	--	1,974	140,686	--	1,987	140,629	W	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	13	131,557	--	1,974	140,686	--	1,987	140,629	W	--	--	--
U.S. Total	12,097	138,476	800	138,143	151,571	457	151,821	150,248	500	6,967	14,110	83

¹ Distillate fuel oil includes all diesel, No. 1, No. 2, and No. 4 fuel oils.

² Residual fuel oil includes No. 5 and No. 6 fuel oils and bunker C fuel oil.

³ Also includes jet fuel, kerosene, and waste oil.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*".)

W = Withheld to avoid disclosure of individual company data.

Notes: • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for distillate and residual fuel oil reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 11.B. Receipts and Average Delivered Cost of Petroleum Liquids and Petroleum Coke by Type, Census Division and State: Total (All Sectors), 2003

Census Division and State	Distillate Fuel Oil ¹			Residual Fuel Oil ²			Total Petroleum liquids ³			Petroleum Coke		
	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per million Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per million Btu)	Receipts (1,000 barrels)	Heat Value (Btu per gallon)	Cost (cents per million Btu)	Receipts (1,000 tons)	Heat Value (Btu per pound)	Cost (cents per million Btu)
New England	1,135	137,866	685	20,258	150,833	374	21,698	149,867	W	--	--	--
Connecticut.....	185	137,890	--	3,487	147,450	--	3,712	146,743	542	--	--	--
Maine.....	50	136,402	--	3,074	152,112	--	3,373	150,319	556	--	--	--
Massachusetts.....	812	138,274	686	10,168	150,805	482	10,999	149,850	463	--	--	--
New Hampshire.....	81	134,419	664	3,529	153,143	368	3,610	152,724	W	--	--	--
Rhode Island.....	6	140,564	--	--	--	--	6	140,564	W	--	--	--
Vermont.....	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	2,398	137,604	612	39,506	150,622	444	43,329	149,285	507	337	13,265	80
New Jersey.....	391	137,652	607	689	150,502	355	2,140	139,250	604	--	--	--
New York.....	612	136,438	699	32,688	150,593	446	33,654	150,131	W	57	14,091	W
Pennsylvania.....	1,395	138,102	613	6,130	150,790	--	7,536	148,357	W	280	13,098	W
East North Central	2,473	137,810	712	2,443	151,428	426	5,105	144,789	565	493	14,089	W
Illinois.....	314	137,702	675	1,062	150,886	--	1,376	147,876	540	--	--	--
Indiana.....	312	137,060	689	25	150,000	487	526	142,426	W	89	14,094	92
Michigan.....	318	138,350	665	1,356	151,879	426	1,674	149,307	W	66	14,106	94
Ohio.....	1,457	137,810	732	--	--	--	1,457	137,810	731	--	--	--
Wisconsin.....	72	139,162	649	--	--	--	72	139,162	W	338	14,084	W
West North Central	472	138,364	633	1,461	158,005	349	1,933	153,205	W	284	13,983	50
Iowa.....	100	139,171	635	--	--	--	100	139,171	635	--	--	--
Kansas.....	80	137,745	633	1,461	158,005	349	1,541	156,948	362	--	--	--
Minnesota.....	91	138,645	572	*	151,929	419	91	138,650	W	259	13,934	49
Missouri.....	109	137,498	670	--	--	--	109	137,498	W	25	14,491	67
Nebraska.....	16	138,040	457	--	--	--	16	138,040	457	--	--	--
North Dakota.....	70	138,995	676	--	--	--	70	138,995	676	--	--	--
South Dakota.....	6	138,210	804	--	--	--	6	138,210	804	--	--	--
South Atlantic	6,746	138,283	678	62,723	152,124	453	69,818	150,700	481	2,860	14,173	W
Delaware.....	289	138,636	718	1,959	151,326	476	2,552	147,895	576	--	--	--
District of Columbia.....	226	142,324	--	--	--	--	226	142,324	W	--	--	--
Florida.....	1,534	138,269	756	47,036	152,352	448	48,569	151,907	461	2,532	14,186	75
Georgia.....	408	138,333	673	230	132,067	478	638	136,071	W	312	14,077	W
Maryland.....	331	138,931	--	1,506	150,826	--	1,876	148,564	534	--	--	--
North Carolina.....	726	138,529	646	190	151,274	--	921	140,848	623	--	--	--
South Carolina.....	285	138,160	685	463	150,952	497	748	146,076	W	16	14,149	70
Virginia.....	2,470	137,500	603	11,289	151,962	473	13,758	149,367	499	--	--	--
West Virginia.....	479	139,460	697	50	150,640	--	529	140,526	725	--	--	--
East South Central	1,935	139,202	693	2,809	156,638	394	4,745	149,526	504	733	13,772	W
Alabama.....	367	141,395	567	--	--	--	367	141,395	W	--	--	--
Kentucky.....	1,055	137,879	769	--	--	--	1,055	137,879	W	733	13,772	W
Mississippi.....	252	140,819	633	2,809	156,638	394	3,061	155,336	412	--	--	--
Tennessee.....	261	139,902	619	--	--	--	261	139,902	619	--	--	--
West South Central	3,836	140,447	633	2,492	153,416	465	6,328	145,555	539	934	14,697	39
Arkansas.....	94	140,479	646	--	--	--	94	140,479	646	--	--	--
Louisiana.....	587	148,229	607	2,000	153,933	464	2,587	152,638	W	667	14,753	W
Oklahoma.....	197	135,864	593	109	153,660	475	306	142,205	548	--	--	--
Texas.....	2,957	139,207	667	383	150,643	539	3,340	140,519	W	268	14,557	W
Mountain	397	137,706	742	1	151,524	432	405	136,896	744	--	--	--
Arizona.....	70	139,550	773	--	--	--	70	139,550	W	--	--	--
Colorado.....	35	123,940	915	--	--	--	35	123,940	W	--	--	--
Idaho.....	--	--	--	--	--	--	--	--	--	--	--	--
Montana.....	75	140,979	734	--	--	--	82	136,574	W	--	--	--
Nevada.....	23	138,126	607	1	151,524	432	24	138,548	601	--	--	--
New Mexico.....	75	136,048	758	--	--	--	75	136,048	W	--	--	--
Utah.....	54	139,493	722	--	--	--	54	139,493	722	--	--	--
Wyoming.....	66	139,593	714	--	--	--	66	139,593	714	--	--	--
Pacific Contiguous	143	138,592	749	5	148,810	592	998	115,680	W	205	14,372	W
California.....	32	138,933	616	5	148,810	592	752	106,986	W	205	14,372	W
Oregon.....	110	138,490	787	--	--	--	110	138,490	787	--	--	--
Washington.....	*	139,524	--	--	--	--	135	145,438	W	--	--	--
Pacific Noncontiguous	13	131,176	--	1,968	140,643	--	1,981	140,581	W	--	--	--
Alaska.....	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii.....	13	131,176	--	1,968	140,643	--	1,981	140,581	W	--	--	--
U.S. Total	19,546	138,619	681	133,667	151,486	444	156,338	149,398	494	5,846	14,145	72

¹ Distillate fuel oil includes all diesel, No. 1, No. 2, and No. 4 fuel oils.

² Residual fuel oil includes No. 5 and No. 6 fuel oils and bunker C fuel oil.

³ Also includes jet fuel, kerosene, and waste oil.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*".)

W = Withheld to avoid disclosure of individual company data.

Notes: • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for distillate and residual fuel oil reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 12. Receipts of Natural Gas for Electric Generation by Census Division and State: Total (All Sectors), 2004 and 2003
(Thousand Mcf)

Census Division and State	2004	2003
New England.....	401,705	381,011
Connecticut.....	58,681	43,766
Maine.....	76,481	73,955
Massachusetts.....	169,095	171,799
New Hampshire.....	37,776	31,472
Rhode Island.....	59,672	60,020
Vermont.....	--	--
Middle Atlantic.....	407,665	407,304
New Jersey.....	86,052	125,972
New York.....	238,512	228,728
Pennsylvania.....	83,101	52,604
East North Central.....	209,296	202,784
Illinois.....	39,216	47,804
Indiana.....	21,771	27,525
Michigan.....	126,298	100,467
Ohio.....	8,083	7,985
Wisconsin.....	13,926	19,002
West North Central.....	36,832	40,368
Iowa.....	2,125	2,444
Kansas.....	8,112	9,617
Minnesota.....	9,769	11,350
Missouri.....	16,326	16,094
Nebraska.....	497	863
North Dakota.....	3	*
South Dakota.....	--	--
South Atlantic.....	633,030	572,945
Delaware.....	14,045	12,639
District of Columbia.....	--	--
Florida.....	501,449	466,940
Georgia.....	41,263	31,957
Maryland.....	7,672	8,626
North Carolina.....	5,173	3,273
South Carolina.....	8,283	5,420
Virginia.....	48,750	38,659
West Virginia.....	6,395	5,431
East South Central.....	208,415	163,097
Alabama.....	118,651	89,180
Kentucky.....	889	1,330
Mississippi.....	88,140	71,878
Tennessee.....	735	708
West South Central.....	2,460,826	2,490,697
Arkansas.....	39,618	56,956
Louisiana.....	458,568	450,215
Oklahoma.....	199,401	189,051
Texas.....	1,763,239	1,794,475
Mountain.....	483,520	415,049
Arizona.....	217,204	189,240
Colorado.....	81,946	73,849
Idaho.....	9,793	7,552
Montana.....	18	18
Nevada.....	135,380	106,625
New Mexico.....	34,805	32,965
Utah.....	4,237	2,491
Wyoming.....	137	2,309
Pacific Contiguous.....	872,008	808,529
California.....	719,647	686,540
Oregon.....	99,969	83,229
Washington.....	52,392	38,760
Pacific Noncontiguous.....	20,758	18,919
Alaska.....	20,758	18,919
Hawaii.....	--	--
U.S. Total.....	5,734,054	5,500,704

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*").

Notes: • Natural gas, including small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combinedcycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Mcf = thousand cubic feet.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 13. Average Delivered Cost of Natural Gas by Census Division and State: Total (All Sectors), 2004 and 2003

Census Division and State	2004		2003		Percent Change 2003-2004 (cents per million Btu)	Percent Change 2003-2004 (dollars per Mcf)
	(cents per million Btu)	(dollars per Mcf)	(cents per million Btu)	(dollars per Mcf)		
New England.....	651	6.73	579	5.99	12.35	12.35
Connecticut.....	W	W	W	W	W	W
Maine.....	628	6.55	584	6.09	7.44	7.55
Massachusetts.....	639	6.61	534	5.51	19.51	19.96
New Hampshire.....	W	W	W	W	W	W
Rhode Island.....	680	7.04	650	6.72	4.55	4.76
Vermont.....	--	--	--	--	--	--
Middle Atlantic.....	676	6.93	612	6.30	10.49	10.00
New Jersey.....	696	7.18	620	6.42	12.36	11.84
New York.....	653	6.66	605	6.20	7.87	7.42
Pennsylvania.....	723	7.47	625	6.48	15.75	15.28
East North Central.....	515	5.23	487	4.94	5.76	5.88
Illinois.....	638	6.46	567	5.76	12.38	12.15
Indiana.....	621	6.28	616	6.24	.76	.64
Michigan.....	436	4.44	386	3.92	13.02	13.27
Ohio.....	648	6.70	598	6.20	8.34	8.06
Wisconsin.....	639	6.40	582	5.83	9.88	9.78
West North Central.....	W	W	W	W	W	W
Iowa.....	712	7.15	593	5.96	20.10	19.97
Kansas.....	546	5.50	530	5.37	3.08	2.42
Minnesota.....	W	W	W	W	W	W
Missouri.....	W	W	W	W	W	W
Nebraska.....	654	6.51	564	5.63	16.02	15.63
North Dakota.....	778	8.05	744	7.67	4.57	4.95
South Dakota.....	--	--	--	--	--	--
South Atlantic.....	633	6.53	574	5.98	10.12	9.24
Delaware.....	W	W	W	W	W	W
District of Columbia.....	--	--	--	--	--	--
Florida.....	629	6.49	573	5.97	9.71	8.71
Georgia.....	665	6.85	572	5.92	16.30	15.71
Maryland.....	553	5.79	537	5.62	2.91	3.02
North Carolina.....	658	6.82	560	5.78	17.49	17.99
South Carolina.....	W	W	W	W	W	W
Virginia.....	665	6.87	618	6.39	7.73	7.51
West Virginia.....	633	6.51	633	6.48	.06	.46
East South Central.....	602	6.22	560	5.81	7.45	7.05
Alabama.....	606	6.27	561	5.83	7.98	7.55
Kentucky.....	W	W	658	6.69	W	W
Mississippi.....	594	6.14	557	5.77	6.80	6.41
Tennessee.....	W	W	620	6.35	W	W
West South Central.....	589	6.06	533	5.48	10.58	10.40
Arkansas.....	602	6.19	423	4.37	42.19	41.65
Louisiana.....	633	6.53	561	5.80	12.77	12.59
Oklahoma.....	594	6.13	542	5.59	9.65	9.66
Texas.....	577	5.92	528	5.43	9.22	9.02
Mountain.....	W	W	W	W	W	W
Arizona.....	572	5.84	506	5.16	13.05	13.18
Colorado.....	554	5.65	430	4.42	28.78	27.83
Idaho.....	W	W	W	W	W	W
Montana.....	W	W	W	W	W	W
Nevada.....	556	5.76	511	5.31	8.94	8.47
New Mexico.....	W	W	W	W	W	W
Utah.....	W	W	W	W	W	W
Wyoming.....	341	3.62	W	W	W	W
Pacific Contiguous.....	571	5.86	521	5.33	9.71	9.86
California.....	589	6.05	537	5.50	9.82	10.00
Oregon.....	500	5.10	437	4.46	14.36	14.35
Washington.....	457	4.70	415	4.27	9.99	10.07
Pacific Noncontiguous.....	279	2.79	229	2.29	21.66	21.83
Alaska.....	279	2.79	229	2.29	21.66	21.83
Hawaii.....	--	--	--	--	--	--
U.S. Total.....	596	6.12	539	5.55	10.52	10.27

W = Withheld to avoid disclosure of individual company data.

Notes: • Natural gas, including small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 14.A. Receipts and Average Delivered Cost of Natural Gas by Type of Purchase, Census Division and State: Total (All Sectors), 2004

Census Division and State	Firm			Interruptible			Spot		
	Receipts (1,000 Mcf)	Cost		Receipts (1,000 Mcf)	Cost		Receipts (1,000 Mcf)	Cost	
		(cents per million Btu)	(\$ per Mcf)		(cents per million Btu)	(\$ per Mcf)		(cents per million Btu)	(\$ per Mcf)
New England	203,559	--	--	4,731	673	6.90	193,385	769	7.92
Connecticut.....	23,109	--	--	3,852	--	--	31,720	--	--
Maine.....	58,177	--	--	--	--	--	18,304	--	--
Massachusetts.....	45,336	--	--	879	673	6.90	122,851	769	7.92
New Hampshire.....	17,991	--	--	--	--	--	19,784	--	--
Rhode Island.....	58,946	--	--	--	--	--	726	--	--
Vermont.....	--	--	--	--	--	--	--	--	--
Middle Atlantic	163,940	--	--	42,878	589	6.05	192,153	705	7.22
New Jersey.....	21,480	--	--	33,914	--	--	30,658	--	--
New York.....	106,536	--	--	8,430	589	6.05	114,852	705	7.22
Pennsylvania.....	35,924	--	--	534	--	--	46,643	--	--
East North Central	103,963	626	6.32	15,949	599	6.07	83,340	708	7.18
Illinois.....	14,725	--	--	4,659	660	6.92	19,832	--	--
Indiana.....	6,987	--	--	2,858	691	7.04	8,785	654	6.62
Michigan.....	77,782	622	6.27	5,159	538	5.47	42,886	798	8.12
Ohio.....	73	700	7.21	992	765	7.87	7,006	825	8.46
Wisconsin.....	4,397	--	--	2,280	645	6.47	4,832	666	6.69
West North Central	15,430	611	6.25	10,705	622	6.27	2,147	668	6.69
Iowa.....	49	810	8.20	883	754	7.58	1,014	681	6.81
Kansas.....	657	589	5.88	3,051	537	5.44	127	558	5.62
Minnesota.....	4,036	644	6.49	4,751	654	6.59	884	675	6.80
Missouri.....	10,542	610	6.28	1,705	608	6.11	122	--	--
Nebraska.....	145	616	6.14	313	675	6.73	--	--	--
North Dakota.....	--	--	--	2	820	8.50	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--
South Atlantic	438,799	641	6.62	28,254	684	7.10	144,121	720	7.32
Delaware.....	12,675	631	6.54	1,370	620	6.43	--	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida.....	389,032	641	6.62	15,140	681	7.08	83,872	760	7.66
Georgia.....	11,282	--	--	5,534	667	6.87	21,070	562	5.81
Maryland.....	4,162	--	--	430	--	--	3,081	--	--
North Carolina.....	887	--	--	646	712	7.37	3,369	--	--
South Carolina.....	2,295	--	--	60	2,683	27.58	3,671	--	--
Virginia.....	13,784	--	--	4,635	--	--	27,786	681	7.01
West Virginia.....	4,683	--	--	440	724	7.27	1,272	--	--
East South Central	51,320	604	6.27	53,905	608	6.37	90,223	600	6.19
Alabama.....	21,470	651	6.75	53,583	608	6.37	37,017	707	7.32
Kentucky.....	--	--	--	--	--	--	889	747	7.64
Mississippi.....	29,380	509	5.31	192	--	--	52,182	595	6.14
Tennessee.....	470	--	--	130	--	--	135	--	--
West South Central	1,297,645	623	6.45	82,548	563	5.78	1,019,718	602	6.21
Arkansas.....	22,791	--	--	--	--	--	16,626	655	6.66
Louisiana.....	259,690	609	6.44	9,863	627	6.43	167,414	644	6.66
Oklahoma.....	123,732	634	6.56	163	603	6.02	71,512	585	6.02
Texas.....	891,433	560	5.72	72,522	531	5.44	764,166	581	5.98
Mountain	218,591	599	6.06	46,058	608	6.20	209,396	587	6.03
Arizona.....	125,134	592	6.02	31,602	616	6.28	59,011	638	6.53
Colorado.....	41,082	546	5.46	124	547	5.84	40,332	--	--
Idaho.....	9,793	--	--	--	--	--	--	--	--
Montana.....	--	--	--	1	982	10.69	11	--	--
Nevada.....	42,025	719	7.45	--	--	--	87,031	603	6.22
New Mexico.....	421	609	6.10	14,331	576	5.89	20,053	580	5.91
Utah.....	--	--	--	--	--	--	2,959	324	3.41
Wyoming.....	137	342	3.62	--	--	--	--	--	--
Pacific Contiguous	474,323	400	4.08	66,248	543	5.55	317,247	607	6.21
California.....	354,857	420	4.20	60,560	583	5.98	291,704	624	6.38
Oregon.....	79,584	--	--	4,306	527	5.38	15,161	524	5.35
Washington.....	39,882	395	4.05	1,382	--	--	10,382	563	5.77
Pacific Noncontiguous	20,758	279	2.79	--	--	--	--	--	--
Alaska.....	20,758	279	2.79	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--
U.S. Total	2,988,328	617	6.36	351,277	607	6.25	2,251,730	618	6.35

Notes: • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas. • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for firm, interruptible, spot and unclassified/other purchase types reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Mcf = thousand cubic feet • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 14.A. Receipts and Average Delivered Cost of Natural Gas by Type of Purchase, Census Division and State: Total (All Sectors), 2004(Continued)

Census Division and State	Unclassified/Other			Total			
	Receipts (1,000 Mcf)	Cost		Receipts (1,000 Mcf)	Heat Value (Btu per Cubic Foot)	Cost	
		(cents per million Btu)	(\$ per Mcf)			(cents per million Btu)	(\$ per Mcf)
New England.....	29	593	6.15	401,705	1,034	651	6.73
Connecticut.....	--	--	--	58,681	1,008	W	W
Maine.....	--	--	--	76,481	1,044	628	6.55
Massachusetts.....	28	590	6.11	169,095	1,035	639	6.61
New Hampshire.....	1	680	7.11	37,776	1,045	W	W
Rhode Island.....	--	--	--	59,672	1,036	680	7.04
Vermont.....	--	--	--	--	--	--	--
Middle Atlantic.....	8,694	633	6.47	407,665	1,025	676	6.93
New Jersey.....	--	--	--	86,052	1,031	696	7.18
New York.....	8,694	633	6.47	238,512	1,021	653	6.66
Pennsylvania.....	--	--	--	83,101	1,033	723	7.47
East North Central.....	6,043	620	6.26	209,296	1,016	515	5.23
Illinois.....	--	--	--	39,216	1,013	638	6.46
Indiana.....	3,142	641	6.50	21,771	1,011	621	6.28
Michigan.....	471	442	4.51	126,298	1,018	436	4.44
Ohio.....	13	707	7.28	8,083	1,034	648	6.70
Wisconsin.....	2,417	627	6.29	13,926	1,002	639	6.40
West North Central.....	8,550	554	5.59	36,832	1,011	W	W
Iowa.....	178	660	6.61	2,125	1,003	712	7.15
Kansas.....	4,277	545	5.48	8,112	1,008	546	5.50
Minnesota.....	99	667	6.74	9,769	1,008	W	W
Missouri.....	3,956	554	5.63	16,326	1,016	W	W
Nebraska.....	39	629	6.16	497	995	654	6.51
North Dakota.....	1	653	6.70	3	1,034	778	8.05
South Dakota.....	--	--	--	--	--	--	--
South Atlantic.....	21,856	626	6.46	633,030	1,032	633	6.53
Delaware.....	--	--	--	14,045	1,036	W	W
District of Columbia.....	--	--	--	--	--	--	--
Florida.....	13,405	626	6.46	501,449	1,032	629	6.49
Georgia.....	3,377	704	7.26	41,263	1,031	665	6.85
Maryland.....	--	--	--	7,672	1,048	553	5.79
North Carolina.....	270	638	6.60	5,173	1,036	658	6.82
South Carolina.....	2,258	451	4.66	8,283	1,035	W	W
Virginia.....	2,546	679	7.02	48,750	1,032	665	6.87
West Virginia.....	--	--	--	6,395	1,028	633	6.51
East South Central.....	12,967	605	6.24	208,415	1,034	602	6.22
Alabama.....	6,580	580	5.97	118,651	1,035	606	6.27
Kentucky.....	--	--	--	889	1,017	W	W
Mississippi.....	6,387	630	6.51	88,140	1,033	594	6.14
Tennessee.....	--	--	--	735	1,035	W	W
West South Central.....	60,915	603	6.20	2,460,826	1,027	589	6.06
Arkansas.....	201	602	6.18	39,618	1,029	602	6.19
Louisiana.....	21,601	641	6.61	458,568	1,031	633	6.53
Oklahoma.....	3,995	623	6.43	199,401	1,031	594	6.13
Texas.....	35,119	577	5.92	1,763,239	1,026	577	5.92
Mountain.....	9,474	568	5.87	483,520	1,024	W	W
Arizona.....	1,458	568	5.79	217,204	1,021	572	5.84
Colorado.....	408	531	5.40	81,946	1,021	554	5.65
Idaho.....	--	--	--	9,793	1,024	W	W
Montana.....	7	682	7.53	18	1,095	W	W
Nevada.....	6,324	568	5.89	135,380	1,036	556	5.76
New Mexico.....	--	--	--	34,805	1,000	W	W
Utah.....	1,278	579	6.02	4,237	1,049	W	W
Wyoming.....	--	--	--	137	1,060	341	3.62
Pacific Contiguous.....	14,190	573	5.87	872,008	1,027	571	5.86
California.....	12,527	587	6.02	719,647	1,027	589	6.05
Oregon.....	918	488	4.98	99,969	1,021	500	5.10
Washington.....	745	431	4.43	52,392	1,029	457	4.70
Pacific Noncontiguous.....	--	--	--	20,758	1,000	279	2.79
Alaska.....	--	--	--	20,758	1,000	279	2.79
Hawaii.....	--	--	--	--	--	--	--
U.S. Total.....	142,719	601	6.17	5,734,054	1,027	596	6.12

W = Withheld to avoid disclosure of individual company data.

Notes: • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas. • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for firm, interruptible, spot and unclassified/other purchase types reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Mcf = thousand cubic feet • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 14.B. Receipts and Average Delivered Cost of Natural Gas by Type of Purchase, Census Division and State: Total (All Sectors), 2003

Census Division and State	Firm			Interruptible			Spot		
	Receipts (1,000 Mcf)	Cost		Receipts (1,000 Mcf)	Cost		Receipts (1,000 Mcf)	Cost	
		(cents per million Btu)	(\$ per Mcf)		(cents per million Btu)	(\$ per Mcf)		(cents per million Btu)	(\$ per Mcf)
New England	188,806	--	--	25,086	572	5.87	167,118	616	6.35
Connecticut.....	22,187	--	--	3,721	--	--	17,857	--	--
Maine.....	57,396	--	--	--	--	--	16,559	--	--
Massachusetts.....	53,073	--	--	2,374	572	5.87	116,352	616	6.35
New Hampshire.....	--	--	--	18,992	--	--	12,479	--	--
Rhode Island.....	56,149	--	--	--	--	--	3,870	--	--
Vermont.....	--	--	--	--	--	--	--	--	--
Middle Atlantic	163,979	--	--	69,051	606	6.29	167,597	630	6.47
New Jersey.....	46,531	--	--	51,456	--	--	27,984	--	--
New York.....	97,945	--	--	17,041	606	6.29	107,064	630	6.47
Pennsylvania.....	19,503	--	--	553	--	--	32,549	--	--
East North Central	94,423	585	5.92	15,350	540	5.48	76,342	614	6.24
Illinois.....	19,365	--	--	4,224	589	5.98	24,214	--	--
Indiana.....	6,488	--	--	1,505	582	5.94	7,182	682	6.93
Michigan.....	62,735	578	5.84	7,135	515	5.23	29,937	548	5.57
Ohio.....	93	663	6.85	57	--	--	7,826	719	7.35
Wisconsin.....	5,742	--	--	2,428	580	5.84	7,182	587	5.88
West North Central	16,276	540	5.50	15,160	547	5.53	4,350	557	5.59
Iowa.....	214	612	6.19	880	628	6.33	1,297	566	5.66
Kansas.....	1,063	569	5.62	7,709	524	5.33	406	514	5.23
Minnesota.....	5,430	601	6.06	3,501	577	5.81	2,325	541	5.42
Missouri.....	9,240	522	5.37	2,537	545	5.49	322	850	8.57
Nebraska.....	329	574	5.74	533	557	5.56	--	--	--
North Dakota.....	--	--	--	*	744	7.67	--	--	--
South Dakota.....	--	--	--	--	--	--	--	--	--
South Atlantic	422,594	598	6.22	32,701	582	6.08	83,599	662	6.74
Delaware.....	10,925	584	6.07	1,654	623	6.51	61	--	--
District of Columbia.....	--	--	--	--	--	--	--	--	--
Florida.....	376,920	598	6.22	19,834	589	6.17	48,156	640	6.47
Georgia.....	9,411	--	--	5,429	568	5.87	16,787	--	--
Maryland.....	5,052	--	--	464	--	--	3,110	--	--
North Carolina.....	1,027	--	--	650	593	6.18	1,240	--	--
South Carolina.....	1,147	--	--	667	430	4.43	55	--	--
Virginia.....	14,857	--	--	2,945	--	--	13,073	704	7.24
West Virginia.....	3,256	--	--	1,058	760	7.60	1,117	--	--
East South Central	50,740	564	5.87	43,301	574	6.01	49,691	591	6.12
Alabama.....	15,878	521	5.45	42,863	574	6.01	21,496	591	6.16
Kentucky.....	28	--	--	--	--	--	1,303	680	6.96
Mississippi.....	34,389	608	6.30	175	--	--	26,893	589	6.10
Tennessee.....	445	--	--	263	--	--	--	--	--
West South Central	1,282,829	569	5.89	74,639	507	5.21	1,081,893	546	5.65
Arkansas.....	34,758	--	--	--	--	--	22,197	554	5.63
Louisiana.....	255,158	575	6.14	13,819	546	5.64	153,933	579	6.01
Oklahoma.....	88,017	580	6.00	101	501	5.02	100,535	543	5.59
Texas.....	904,896	500	5.12	60,719	466	4.76	805,228	529	5.48
Mountain	208,667	508	5.17	35,731	484	4.93	166,269	527	5.43
Arizona.....	109,797	510	5.19	19,966	506	5.15	59,464	574	5.86
Colorado.....	48,310	427	4.31	415	460	4.63	25,060	--	--
Idaho.....	7,552	--	--	--	--	--	--	--	--
Montana.....	--	--	--	9	566	6.52	7	--	--
Nevada.....	42,308	616	6.38	--	--	--	60,015	543	5.63
New Mexico.....	470	589	5.92	15,341	436	4.46	17,154	512	5.18
Utah.....	--	--	--	--	--	--	2,491	284	3.03
Wyoming.....	231	337	3.57	--	--	--	2,078	--	--
Pacific Contiguous	461,320	551	5.55	65,896	502	5.14	256,046	532	5.44
California.....	365,962	551	5.55	59,675	563	5.78	236,116	553	5.66
Oregon.....	66,767	--	--	2,607	454	4.64	13,375	403	4.11
Washington.....	28,591	--	--	3,614	--	--	6,555	--	--
Pacific Noncontiguous	18,919	229	2.29	--	--	--	--	--	--
Alaska.....	18,919	229	2.29	--	--	--	--	--	--
Hawaii.....	--	--	--	--	--	--	--	--	--
U.S. Total	2,908,553	567	5.87	376,916	541	5.57	2,052,905	555	5.72

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*").

Notes: • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas. • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for firm, interruptible, spot and unclassified/other purchase types reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 14.B. Receipts and Average Delivered Cost of Natural Gas by Type of Purchase, Census Division and State: Total (All Sectors), 2003(Continued)

Census Division and State	Unclassified/Other			Total				
	Receipts (1,000 Mcf)	Cost		Receipts (1,000 Mcf)	Heat Value (Btu per Cubic Foot)	Cost		
		(cents per million Btu)	(\$ per Mcf)			(cents per million Btu)	(\$ per Mcf)	
New England.....	1	611	6.39	381,011	1,034	579	5.99	
Connecticut.....	--	--	--	43,766	1,020	W	W	
Maine.....	--	--	--	73,955	1,042	584	6.09	
Massachusetts.....	--	--	--	171,799	1,032	534	5.51	
New Hampshire.....	1	611	6.39	31,472	1,047	W	W	
Rhode Island.....	--	--	--	60,020	1,033	650	6.72	
Vermont.....	--	--	--	--	--	--	--	
Middle Atlantic.....	6,677	567	5.84	407,304	1,030	612	6.30	
New Jersey.....	--	--	--	125,972	1,036	620	6.42	
New York.....	6,677	567	5.84	228,728	1,025	605	6.20	
Pennsylvania.....	--	--	--	52,604	1,038	625	6.48	
East North Central.....	16,669	637	6.44	202,784	1,015	487	4.94	
Illinois.....	--	--	--	47,804	1,016	567	5.76	
Indiana.....	12,350	665	6.74	27,525	1,014	616	6.24	
Michigan.....	661	399	4.07	100,467	1,015	386	3.92	
Ohio.....	8	661	6.84	7,985	1,037	598	6.20	
Wisconsin.....	3,650	586	5.87	19,002	1,002	582	5.83	
West North Central.....	4,583	506	5.14	40,368	1,012	W	W	
Iowa.....	54	594	5.96	2,444	1,004	593	5.96	
Kansas.....	439	545	5.55	9,617	1,014	530	5.37	
Minnesota.....	94	737	7.42	11,350	1,007	W	W	
Missouri.....	3,995	495	5.03	16,094	1,016	W	W	
Nebraska.....	--	--	--	863	998	564	5.63	
North Dakota.....	--	--	--	*	1,030	744	7.67	
South Dakota.....	--	--	--	--	--	--	--	
South Atlantic.....	34,051	566	5.87	572,945	1,040	574	5.98	
Delaware.....	--	--	--	12,639	1,043	W	W	
District of Columbia.....	--	--	--	--	--	--	--	
Florida.....	22,030	574	5.97	466,940	1,041	573	5.97	
Georgia.....	330	528	5.43	31,957	1,035	572	5.92	
Maryland.....	--	--	--	8,626	1,047	537	5.62	
North Carolina.....	356	541	5.59	3,273	1,032	560	5.78	
South Carolina.....	3,551	319	3.29	5,420	1,031	W	W	
Virginia.....	7,785	655	6.78	38,659	1,035	618	6.39	
West Virginia.....	--	--	--	5,431	1,024	633	6.48	
East South Central.....	19,364	566	5.86	163,097	1,037	560	5.81	
Alabama.....	8,943	575	5.96	89,180	1,039	561	5.83	
Kentucky.....	--	--	--	1,330	1,017	658	6.69	
Mississippi.....	10,421	558	5.77	71,878	1,036	557	5.77	
Tennessee.....	--	--	--	708	1,025	620	6.35	
West South Central.....	51,336	583	6.01	2,490,697	1,030	533	5.48	
Arkansas.....	2	327	3.38	56,956	1,033	423	4.37	
Louisiana.....	27,304	605	6.25	450,215	1,033	561	5.80	
Oklahoma.....	398	519	5.34	189,051	1,031	542	5.59	
Texas.....	23,632	558	5.74	1,794,475	1,029	528	5.43	
Mountain.....	4,381	508	5.27	415,049	1,025	W	W	
Arizona.....	13	534	5.46	189,240	1,021	506	5.16	
Colorado.....	64	447	4.55	73,849	1,027	430	4.42	
Idaho.....	--	--	--	7,552	1,018	W	W	
Montana.....	2	506	5.57	18	1,123	W	W	
Nevada.....	4,302	508	5.28	106,625	1,040	511	5.31	
New Mexico.....	*	459	4.64	32,965	996	W	W	
Utah.....	--	--	--	2,491	1,062	W	W	
Wyoming.....	--	--	--	2,309	997	W	W	
Pacific Contiguous.....	25,266	523	5.36	808,529	1,025	521	5.33	
California.....	24,787	525	5.37	686,540	1,026	537	5.50	
Oregon.....	479	440	4.49	83,229	1,022	437	4.46	
Washington.....	--	--	--	38,760	1,029	415	4.27	
Pacific Noncontiguous.....	--	--	--	18,919	1,000	229	2.29	
Alaska.....	--	--	--	18,919	1,000	229	2.29	
Hawaii.....	--	--	--	--	--	--	--	
U.S. Total.....	162,329	568	5.85	5,500,704	1,030	539	5.55	

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*".)

W = Withheld to avoid disclosure of individual company data.

Notes: • Natural gas, including a small amount of supplemental gaseous fuels that cannot be identified separately. Natural gas values do not include blast furnace gas or other gas. • Receipts, heat value, and total average delivered cost of fuel reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost for firm, interruptible, spot and unclassified/other purchase types reflect data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • Mcf = thousand cubic feet. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Origin and Destination of Coal

Table 15.A. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2004

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Alabama	33,805	10,878	.84	.77	8.45	W	W
Alabama	10,027	12,114	1.17	.97	12.33	165	40.04
Colorado	343	11,379	.57	.50	9.97	157	35.70
Illinois	2,555	11,834	1.25	1.05	9.12	161	38.14
Indiana	97	11,489	.82	.72	5.38	203	46.58
Kentucky	676	11,682	3.36	2.88	12.57	125	29.24
Tennessee	5	12,500	1.03	.82	11.00	198	49.50
Wyoming	11,009	8,796	.25	.28	5.00	125	21.99
Imported	3,994	11,562	.52	.45	5.19	157	36.28
Unclassified	5,098	11,771	1.22	1.04	9.89	158	37.28
Arizona	20,315	10,211	.57	.56	12.45	W	W
Arizona	8,389	10,899	.51	.47	9.38	116	25.33
Colorado	981	10,684	.42	.39	7.43	152	32.58
Montana	71	9,348	.34	.37	3.94	132	24.66
New Mexico	10,081	9,681	.65	.67	15.85	137	26.41
Wyoming	466	8,714	.42	.49	5.53	133	23.13
Unclassified	328	9,842	.56	.57	13.58	141	27.77
Arkansas	14,606	8,761	.28	.33	4.86	123	21.49
Wyoming	13,914	8,761	.28	.32	4.85	122	21.45
Unclassified	691	8,768	.30	.34	4.92	127	22.19
California	1,338	12,205	.75	.62	9.22	188	45.90
Colorado	31	12,230	.84	.69	8.85	--	--
Oklahoma	1	11,800	.48	.41	9.00	--	--
Utah	1,306	12,205	.75	.61	9.23	--	--
Colorado	18,834	9,824	.38	.39	7.31	97	19.09
Colorado	10,845	10,588	.45	.43	8.96	106	22.45
Wyoming	7,458	8,674	.27	.31	4.73	81	14.09
Unclassified	531	10,377	.46	.45	9.83	100	20.65
Connecticut	1,922	10,423	.54	.52	5.19	W	W
West Virginia	697	12,273	1.32	1.08	12.39	--	--
Imported	1,225	9,371	.09	.10	1.09	--	--
Delaware	2,148	12,530	.84	.67	9.39	W	W
Kentucky	648	12,633	.70	.55	8.47	--	--
Pennsylvania	525	12,730	1.22	.96	8.95	--	--
Virginia	21	12,504	.52	.42	12.90	--	--
West Virginia	869	12,705	.77	.61	10.65	--	--
Wyoming	85	8,731	.32	.37	5.28	--	--
Florida	32,284	12,249	1.44	1.18	8.30	192	46.92
Colorado	56	12,005	.83	.69	8.81	163	39.22
Illinois	4,340	11,800	2.10	1.78	7.42	171	40.39
Indiana	80	11,162	.80	.71	9.40	230	51.26
Kentucky	7,637	12,509	1.69	1.35	9.14	185	46.21
Ohio	352	12,626	4.46	3.54	8.71	146	36.78
Pennsylvania	281	13,007	2.47	1.90	8.28	211	54.97
Virginia	19	12,916	.99	.77	10.24	195	50.41
West Virginia	2,020	12,529	1.09	.87	10.62	208	53.29
Wyoming	26	8,939	.21	.23	4.20	171	30.57
Imported	5,614	12,028	.60	.50	6.61	193	46.46
Unclassified	11,859	12,287	1.39	1.13	8.47	194	47.73
Georgia	37,453	11,024	.78	.71	8.49	180	39.73
Alabama	911	12,174	1.68	1.38	12.32	178	43.28
Colorado	12	12,204	.47	.39	7.50	212	51.72
Illinois	668	12,012	1.18	.98	6.79	188	45.10
Kentucky	14,423	12,376	1.04	.84	10.48	185	45.83
Tennessee	437	12,775	1.13	.89	8.62	192	49.14
Virginia	5,122	12,620	1.04	.82	11.41	187	47.07
West Virginia	681	12,296	.91	.74	11.58	238	58.63
Wyoming	10,690	8,785	.32	.37	5.11	162	28.54
Imported	490	12,570	.86	.69	8.50	164	41.38
Unclassified	4,018	9,074	.37	.40	5.45	166	30.15
Hawaii	647	11,097	.49	.44	4.74	W	W
Imported	647	11,097	.49	.44	4.74	--	--
Illinois	59,694	9,120	.65	.71	5.74	115	20.96
Colorado	1,158	11,942	.41	.34	7.61	176	41.99
Illinois	8,077	10,533	2.29	2.17	8.70	138	29.04

Table 15.A. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Illinois (Continued)							
Indiana.....	490	10,842	1.76	1.62	9.18	--	--
Kentucky.....	81	11,090	2.60	2.35	11.98	113	18.48
Montana.....	85	8,825	.38	.43	5.24	--	--
Oklahoma.....	6	12,602	.90	.71	7.45	--	--
Wyoming.....	47,677	8,761	.33	.38	5.08	95	16.49
Unclassified.....	2,120	9,796	1.27	1.29	7.28	126	24.71
Indiana.....	54,098	10,601	1.53	1.45	7.43	W	W
Colorado.....	602	12,122	.44	.37	8.24	183	44.34
Illinois.....	5,091	11,157	2.08	1.86	8.50	129	28.70
Indiana.....	26,685	11,182	2.19	1.96	8.57	114	25.39
Kentucky.....	445	12,030	1.88	1.57	9.73	176	42.36
Montana.....	1,794	9,539	.34	.36	4.03	149	27.55
Ohio.....	254	11,652	2.74	2.35	10.66	154	35.79
Pennsylvania.....	416	12,809	2.37	1.85	9.11	139	35.58
Virginia.....	251	13,694	.79	.58	6.32	168	46.09
West Virginia.....	2,804	12,483	1.89	1.51	9.87	139	34.78
Wyoming.....	14,131	8,856	.22	.25	4.69	120	21.29
Unclassified.....	1,624	10,258	1.24	1.21	6.85	124	25.37
Iowa.....	19,805	8,665	.44	.51	5.15	W	W
Colorado.....	166	10,545	1.17	1.11	8.17	122	25.73
Illinois.....	643	10,859	3.21	2.96	9.42	143	32.06
Utah.....	59	11,105	1.42	1.28	9.22	154	34.25
Wyoming.....	14,641	8,545	.32	.38	4.94	89	15.15
Unclassified.....	4,296	8,637	.40	.46	5.05	90	15.53
Kansas.....	20,980	8,626	.44	.51	5.46	103	17.74
Kansas.....	14	11,230	3.70	3.29	14.97	107	24.11
Missouri.....	365	10,797	4.43	4.10	16.27	133	28.80
Montana.....	350	8,979	.33	.37	6.90	109	19.54
Oklahoma.....	20	13,140	3.11	2.37	8.35	126	33.20
Wyoming.....	19,162	8,572	.36	.42	5.22	102	17.55
Unclassified.....	1,067	8,616	.36	.42	5.36	95	16.45
Kentucky.....	37,876	11,550	2.09	1.81	11.45	137	31.57
Colorado.....	3,052	11,763	.61	.52	9.43	149	35.11
Illinois.....	139	11,929	2.62	2.20	8.75	141	33.69
Indiana.....	1,831	11,135	2.94	2.64	9.67	121	27.02
Kansas.....	5	11,815	3.98	3.37	10.90	--	--
Kentucky.....	19,132	11,506	2.47	2.15	12.24	138	31.92
Ohio.....	487	11,686	3.22	2.76	12.70	117	27.42
Pennsylvania.....	243	12,880	2.14	1.67	8.51	137	35.32
Tennessee.....	65	12,269	1.49	1.21	10.31	234	57.37
West Virginia.....	5,091	12,205	1.48	1.22	11.37	144	35.19
Wyoming.....	1,165	8,802	.33	.37	5.47	125	22.03
Unclassified.....	6,666	11,602	2.12	1.82	11.77	140	32.44
Louisiana.....	15,513	8,146	.51	.63	7.19	W	W
Kentucky.....	*	12,500	.89	.71	11.18	--	--
Wyoming.....	11,678	8,584	.34	.40	5.19	133	23.22
Unclassified.....	3,835	6,809	1.03	1.51	13.27	143	19.41
Maine.....	271	12,854	.77	.60	6.67	W	W
Kentucky.....	96	13,013	.95	.73	7.68	--	--
Imported.....	175	12,767	.66	.52	6.11	--	--
Maryland.....	12,818	12,653	1.28	1.01	10.02	174	43.96
Kentucky.....	390	12,745	.84	.66	8.92	--	--
Maryland.....	5,286	12,627	1.58	1.25	9.79	--	--
Pennsylvania.....	655	12,847	1.72	1.34	8.90	--	--
Virginia.....	33	12,712	1.24	.97	10.98	--	--
West Virginia.....	6,110	12,668	1.04	.82	10.45	--	--
Imported.....	344	12,290	.49	.40	9.04	--	--
Massachusetts.....	4,391	11,793	.55	.47	6.31	197	46.43
Colorado.....	142	11,882	.50	.42	6.86	244	57.73
Kentucky.....	46	12,654	.72	.57	8.01	--	--
West Virginia.....	649	12,319	.65	.53	8.90	--	--
Imported.....	3,283	11,663	.54	.46	5.78	206	50.51
Unclassified.....	271	11,917	.55	.47	5.99	184	43.89
Michigan.....	34,948	9,967	.53	.53	5.96	139	27.68
Colorado.....	779	12,079	.65	.54	8.75	180	43.37

Table 15.A. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Michigan (Continued)							
Illinois.....	46	12,025	1.30	1.08	6.19	--	--
Indiana.....	23	11,678	1.67	1.43	7.00	--	--
Kentucky.....	3,368	12,784	1.15	.90	8.05	172	44.00
Montana.....	7,124	9,373	.37	.40	4.67	127	23.76
Ohio.....	218	11,833	3.10	2.62	11.26	175	41.92
Pennsylvania.....	689	12,995	1.53	1.17	7.51	149	38.79
Utah.....	102	12,608	1.30	1.03	8.03	--	--
West Virginia.....	2,806	12,617	1.12	.89	10.48	180	45.27
Wyoming.....	13,795	8,854	.25	.29	5.05	117	20.73
Unclassified.....	5,998	9,654	.45	.47	5.55	131	25.22
Minnesota.....	19,870	8,914	.44	.50	6.47	W	W
Illinois.....	11	12,150	1.05	.86	6.60	181	44.02
Indiana.....	35	10,575	.81	.76	8.74	202	42.77
Montana.....	11,658	8,921	.55	.62	7.50	101	17.92
Wyoming.....	8,034	8,848	.28	.31	4.93	110	19.40
Unclassified.....	132	11,542	1.02	.88	7.78	192	44.21
Mississippi.....	9,624	9,087	.57	.63	11.09	W	W
Colorado.....	2,421	11,775	.53	.45	9.60	163	38.49
Illinois.....	12	11,983	1.06	.88	6.50	298	71.35
Indiana.....	45	11,135	1.56	1.40	9.77	186	41.33
Kentucky.....	984	12,561	1.13	.90	11.33	213	53.44
Mississippi.....	3,572	5,106	.48	.94	15.38	--	--
Wyoming.....	584	8,824	.30	.34	5.43	163	28.81
Imported.....	1,718	11,376	.56	.49	6.78	166	37.69
Unclassified.....	288	10,454	.51	.49	7.28	162	33.95
Missouri.....	44,900	8,838	.38	.43	5.18	W	W
Illinois.....	839	11,557	2.87	2.48	6.95	146	34.22
Kansas.....	53	11,673	3.12	2.67	12.17	147	34.37
Kentucky.....	29	12,302	1.93	1.57	8.34	194	47.74
Missouri.....	205	11,174	2.51	2.24	11.14	158	35.25
Oklahoma.....	14	12,541	3.03	2.42	9.71	133	33.44
Utah.....	365	12,032	.86	.72	10.40	156	37.64
Wyoming.....	41,535	8,738	.31	.35	5.06	90	15.70
Unclassified.....	1,859	8,793	.34	.38	5.08	90	15.89
Montana.....	11,115	8,504	.63	.74	8.70	W	W
Montana.....	10,351	8,512	.66	.77	9.01	63	10.67
Wyoming.....	764	8,400	.24	.28	4.47	--	--
Nebraska.....	12,516	8,574	.32	.38	5.02	66	11.30
Wyoming.....	12,261	8,575	.32	.38	5.02	66	11.30
Unclassified.....	255	8,565	.33	.38	5.01	66	11.34
Nevada.....	8,489	11,118	.54	.49	9.98	136	30.28
Arizona.....	4,652	10,979	.50	.46	10.11	135	29.56
Colorado.....	187	12,030	.67	.55	9.36	144	34.70
Utah.....	1,840	11,449	.65	.56	10.14	139	31.79
Wyoming.....	187	9,487	.42	.45	8.16	129	24.51
Unclassified.....	1,624	11,225	.54	.48	9.73	137	30.79
New Hampshire.....	1,693	13,199	1.16	.88	6.55	202	53.17
Pennsylvania.....	150	12,949	1.87	1.44	7.89	215	55.59
Virginia.....	157	14,049	.68	.48	4.68	198	55.60
West Virginia.....	58	13,155	1.36	1.03	6.93	233	61.41
Imported.....	237	12,979	.92	.71	6.74	221	57.37
Unclassified.....	1,091	13,161	1.18	.90	6.58	194	51.07
New Jersey.....	2,273	12,868	1.58	1.23	8.49	205	52.66
Kentucky.....	41	12,912	.75	.58	7.31	--	--
Pennsylvania.....	933	12,831	1.75	1.36	7.62	317	82.05
West Virginia.....	1,252	12,895	1.50	1.16	9.20	220	58.28
Imported.....	43	12,874	1.28	.99	7.85	207	53.25
Unclassified.....	4	12,666	1.45	1.14	9.40	226	57.20
New Mexico.....	16,632	9,225	.72	.78	20.74	148	27.25
New Mexico.....	16,632	9,225	.72	.78	20.74	148	27.25
New York.....	9,621	12,063	1.66	1.38	7.68	176	42.36
Illinois.....	7	11,005	3.05	2.77	7.80	--	--
Indiana.....	88	11,531	2.23	1.93	6.59	--	--
Kentucky.....	50	12,128	1.81	1.49	12.71	--	--
Ohio.....	154	13,001	4.44	3.42	7.98	--	--

Table 15.A. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
New York (Continued)							
Pennsylvania.....	3,725	12,934	2.16	1.67	8.53	157	40.68
West Virginia.....	2,604	12,934	2.20	1.70	8.66	156	41.42
Wyoming.....	2,006	8,825	.27	.31	5.13	--	--
Imported.....	940	12,972	.63	.49	6.77	--	--
Unclassified.....	47	12,873	1.99	1.55	8.21	173	44.49
North Carolina.....	30,108	12,345	.86	.70	11.12	200	49.38
Indiana.....	7	13,703	.77	.56	8.50	224	61.50
Kentucky.....	10,371	12,449	.98	.78	10.26	202	50.06
Tennessee.....	65	12,241	.97	.79	10.46	271	66.42
Virginia.....	1,867	12,198	.96	.79	12.14	198	48.35
West Virginia.....	14,375	12,292	.78	.64	11.80	196	48.04
Imported.....	609	12,385	.62	.50	6.66	244	60.39
Unclassified.....	2,815	12,324	.87	.70	11.11	204	50.30
North Dakota.....	25,033	6,602	.70	1.06	9.41	77	10.20
Montana.....	348	9,072	.42	.46	6.21	99	17.97
North Dakota.....	22,900	6,553	.70	1.08	9.51	77	10.07
Wyoming.....	223	7,972	.42	.53	5.38	87	13.87
Unclassified.....	1,562	6,576	.70	1.06	9.17	75	9.92
Ohio.....	43,817	12,098	2.25	1.86	10.82	133	32.23
Colorado.....	44	11,547	.51	.44	10.03	175	40.46
Illinois.....	373	12,034	2.03	1.68	8.02	139	33.47
Indiana.....	234	10,908	.55	.51	8.99	172	37.48
Kentucky.....	8,579	11,656	.91	.78	13.49	160	37.19
Ohio.....	19,212	12,252	3.32	2.71	9.26	115	28.18
Pennsylvania.....	1,768	12,900	2.14	1.66	8.45	125	32.19
Virginia.....	143	13,380	1.02	.76	7.93	132	35.27
West Virginia.....	9,286	12,059	1.41	1.17	12.30	143	34.33
Wyoming.....	61	8,784	.29	.33	5.71	144	25.33
Unclassified.....	4,117	12,121	2.25	1.86	10.77	133	32.18
Oklahoma.....	20,386	8,854	.40	.45	5.66	W	W
Arkansas.....	18	9,418	1.38	1.47	26.43	--	--
Colorado.....	93	12,000	.49	.41	9.16	--	--
Oklahoma.....	921	11,669	2.44	2.09	17.23	--	--
Wyoming.....	19,355	8,705	.30	.34	5.07	101	17.61
Oregon.....	2,251	8,402	.33	.39	4.91	118	19.91
Wyoming.....	2,251	8,402	.33	.39	4.91	118	19.91
Pennsylvania.....	43,008	11,615	2.00	1.72	15.55	137	31.85
Colorado.....	32	11,114	.45	.41	8.05	--	--
Indiana.....	161	10,945	.40	.37	7.92	--	--
Kentucky.....	102	12,603	1.26	1.00	8.90	--	--
Ohio.....	558	12,499	2.84	2.27	9.15	--	--
Pennsylvania.....	26,522	11,177	2.02	1.81	18.06	123	31.79
Utah.....	12	12,428	.59	.47	7.69	--	--
Virginia.....	21	12,550	2.20	1.75	11.10	--	--
West Virginia.....	6,695	12,665	1.63	1.29	9.66	123	31.84
Wyoming.....	40	8,926	.25	.28	4.54	183	32.59
Imported.....	284	13,167	.72	.55	6.37	--	--
Unclassified.....	8,581	12,054	2.25	1.87	13.43	--	--
South Carolina.....	14,914	12,565	1.24	.99	9.75	W	W
Illinois.....	10	11,710	1.55	1.32	8.60	180	42.11
Kentucky.....	9,158	12,587	1.27	1.01	9.56	188	47.35
Pennsylvania.....	100	13,158	2.25	1.71	8.26	199	52.45
Tennessee.....	203	12,745	1.28	1.00	9.43	196	49.85
Virginia.....	31	12,452	.89	.72	11.07	269	66.99
West Virginia.....	829	12,319	.98	.79	12.16	193	47.01
Imported.....	88	11,803	.66	.56	5.64	302	71.27
Unclassified.....	4,496	12,563	1.23	.98	9.81	194	48.68
South Dakota.....	2,148	8,523	.34	.40	4.70	139	23.61
Wyoming.....	2,148	8,523	.34	.40	4.70	139	23.61
Tennessee.....	36,497	11,457	1.27	1.11	8.97	W	W
Colorado.....	5,108	11,826	.63	.54	9.92	140	33.12
Illinois.....	5,986	12,014	2.08	1.73	8.01	116	27.95
Kentucky.....	8,093	11,903	1.84	1.54	10.52	141	33.27
Montana.....	243	9,296	.32	.35	5.75	114	21.27
Pennsylvania.....	76	13,134	2.24	1.71	7.95	121	31.73

Table 15.A. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Tennessee (Continued)							
Tennessee	119	12,396	.86	.69	9.62	172	41.49
Utah	722	12,174	.74	.61	9.88	139	33.78
Virginia.....	2,882	12,524	.88	.71	10.14	157	38.45
West Virginia	939	12,131	.99	.82	11.75	179	43.38
Wyoming.....	6,204	8,840	.28	.32	5.31	110	19.40
Unclassified.....	6,125	12,021	1.57	1.30	9.80	137	33.04
Texas.....	100,106	7,641	.77	1.01	10.39	131	20.01
Colorado	862	10,470	.38	.37	6.20	--	--
Texas	46,073	6,494	1.29	1.99	16.64	124	14.94
Wyoming.....	39,736	8,587	.33	.39	5.03	138	23.86
Unclassified.....	13,435	8,595	.33	.38	5.10	134	22.98
Utah.....	16,539	10,718	.52	.49	13.53	W	W
Colorado	2,642	9,784	.48	.49	11.68	156	30.49
Utah	10,157	10,937	.55	.50	14.60	106	23.99
Wyoming.....	346	9,204	.43	.47	7.27	125	22.97
Unclassified.....	3,393	10,943	.49	.45	12.43	108	23.54
Virginia.....	15,050	12,713	.94	.74	10.06	195	49.60
Kentucky	5,762	12,704	1.02	.80	9.38	216	54.46
Tennessee	32	12,306	.89	.72	9.70	287	70.44
Virginia.....	5,153	12,726	.91	.71	10.99	166	41.99
West Virginia	1,878	12,706	.76	.60	9.58	180	45.26
Unclassified.....	2,225	12,722	.93	.73	10.08	189	48.11
Washington	6,557	8,151	.93	1.14	13.59	W	W
Montana.....	915	9,350	.34	.36	4.30	--	--
Washington.....	5,642	7,957	1.03	1.29	15.09	--	--
West Virginia.....	35,689	12,061	1.75	1.45	12.65	135	32.59
Colorado	7	11,185	.90	.80	7.15	186	41.61
Kentucky	1,248	11,867	.93	.78	12.40	152	36.03
Maryland.....	2,977	11,940	1.84	1.54	16.70	118	28.14
Montana.....	10	11,549	1.41	1.22	8.15	174	40.18
Ohio.....	2,479	12,402	4.19	3.38	8.74	113	27.96
Pennsylvania.....	4,845	12,695	1.71	1.34	9.06	123	30.86
Virginia.....	50	12,796	1.15	.90	12.13	184	47.20
West Virginia	23,645	11,962	1.56	1.31	13.41	148	35.93
Wyoming.....	352	9,205	.37	.40	5.01	136	25.11
Unclassified.....	76	12,127	1.88	1.55	11.91	141	34.10
Wisconsin	23,909	9,030	.39	.43	5.32	W	W
Colorado	792	11,978	.61	.51	8.60	175	42.43
Illinois.....	3	10,700	1.42	1.33	8.30	210	45.03
Indiana.....	310	10,996	1.36	1.24	8.63	175	38.29
Kentucky	194	12,056	1.98	1.64	9.01	211	51.81
Montana.....	396	8,833	.30	.34	4.71	108	19.17
Pennsylvania.....	23	12,650	1.36	1.08	7.40	163	41.35
Utah	477	12,193	1.14	.93	8.90	165	40.24
West Virginia	115	13,069	2.44	1.86	7.67	--	--
Wyoming.....	19,797	8,669	.30	.35	4.92	107	18.61
Unclassified.....	1,803	9,929	.58	.58	6.30	140	27.87
Wyoming.....	25,542	8,826	.48	.55	6.90	87	15.28
Wyoming.....	25,501	8,826	.48	.55	6.89	87	15.28
Unclassified.....	41	8,706	.44	.51	7.40	85	14.80
Total.....	1,002,032	10,074	.97	.96	8.97	136	27.42

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as "*").

W = Withheld to avoid disclosure of individual company data.

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts, heat value, sulfur, ash and average delivered cost of fuel at the destination reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel at the origin reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2003

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Alabama	36,297	10,977	.95	.86	8.96	W	W
Alabama	10,119	12,088	1.08	.90	12.87	161	38.98
Colorado	453	11,342	.58	.51	10.07	149	33.72
Illinois	351	11,966	1.44	1.21	6.87	147	35.15
Indiana	54	11,441	1.38	1.20	6.29	163	37.19
Kentucky	2,937	11,766	2.51	2.14	11.32	134	31.53
Pennsylvania	25	13,064	2.46	1.88	7.90	162	42.30
Tennessee	130	12,136	.78	.65	12.57	176	42.75
Virginia	9	12,400	.89	.72	10.50	187	46.33
West Virginia	391	12,408	.84	.67	12.59	178	44.13
Wyoming	10,127	8,780	.23	.27	4.83	129	22.72
Imported	4,477	11,693	.60	.51	5.85	153	35.78
Unclassified	7,224	11,557	1.34	1.16	10.01	142	32.85
Arizona	18,657	10,081	.64	.64	13.45	W	W
Arizona	7,642	10,863	.51	.47	9.65	116	25.14
Colorado	312	11,197	.48	.43	9.43	154	34.49
Montana	14	9,233	.32	.35	4.00	131	24.21
New Mexico	10,580	9,495	.74	.78	16.36	134	25.32
Wyoming	57	8,724	.42	.48	5.50	131	22.84
Unclassified	53	9,567	1.11	1.16	15.50	144	27.55
Arkansas	13,763	8,758	.28	.32	4.66	120	20.94
Wyoming	13,216	8,756	.28	.32	4.67	120	20.93
Unclassified	547	8,805	.25	.28	4.50	119	21.03
California	1,430	11,943	.68	.57	7.99	173	41.25
Illinois	31	10,807	3.26	3.01	8.62	--	--
Utah	1,341	12,112	.64	.53	8.10	--	--
Wyoming	56	8,500	.32	.38	4.80	--	--
Imported	3	12,055	.36	.30	10.50	--	--
Colorado	18,904	9,793	.39	.40	6.93	97	18.92
Colorado	9,624	10,655	.46	.43	8.43	107	22.73
Wyoming	8,208	8,634	.30	.35	4.81	81	13.98
Unclassified	1,072	10,934	.50	.45	9.75	103	22.43
Connecticut	1,806	10,565	.55	.52	5.50	W	W
Virginia	68	13,200	.73	.55	6.10	--	--
West Virginia	664	12,244	1.24	1.02	12.59	--	--
Imported	1,074	9,361	.11	.11	1.09	--	--
Delaware	1,667	12,803	.90	.70	9.31	W	W
Kentucky	223	12,677	.63	.49	8.88	--	--
Pennsylvania	479	12,836	1.33	1.04	8.86	--	--
Virginia	40	12,698	.82	.65	9.84	--	--
West Virginia	923	12,820	.74	.58	9.62	--	--
Imported	1	13,120	.66	.50	5.20	--	--
Florida	34,303	12,281	1.44	1.17	7.85	176	43.11
Colorado	24	12,030	.48	.40	8.30	158	37.89
Illinois	5,889	11,883	2.14	1.80	7.35	164	38.93
Kansas	36	12,597	1.06	.84	9.75	--	--
Kentucky	6,896	12,566	1.62	1.29	8.69	170	42.85
Ohio	122	12,676	4.52	3.56	8.67	145	36.79
Pennsylvania	267	13,006	2.66	2.05	8.19	150	39.06
Virginia	95	13,062	1.07	.82	9.91	188	49.03
West Virginia	2,434	12,625	1.02	.81	9.71	213	54.08
Imported	4,835	12,009	.58	.48	5.97	154	37.01
Unclassified	13,704	12,320	1.38	1.12	7.95	179	44.17
Georgia	34,309	11,668	.82	.70	9.06	172	40.11
Alabama	1,017	12,167	1.66	1.36	12.05	166	40.27
Colorado	297	12,086	.43	.35	8.04	256	61.77
Illinois	118	12,099	1.21	1.00	6.76	166	40.20
Kentucky	15,135	12,478	.96	.77	9.88	172	42.95
Tennessee	100	12,796	1.13	.88	7.55	174	44.67
Virginia	6,453	12,641	.91	.72	11.06	167	42.30
West Virginia	646	12,399	.69	.56	10.93	208	51.70
Wyoming	6,292	8,773	.33	.38	5.20	172	30.15
Imported	540	12,702	.74	.58	6.56	160	40.69
Unclassified	3,710	11,088	.71	.64	8.16	171	37.97
Hawaii	715	11,422	.44	.38	4.75	W	W

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Hawaii (Continued)							
Imported	715	11,422	.44	.38	4.75	--	--
Illinois	54,244	9,176	.66	.72	5.73	116	21.28
Colorado	1,041	11,895	.48	.40	9.78	163	39.55
Illinois	7,651	10,584	2.20	2.08	8.69	133	28.10
Indiana	428	11,400	3.08	2.70	9.45	174	39.09
Kentucky	49	12,300	2.50	2.03	10.00	--	--
Montana	472	9,300	.34	.37	4.00	--	--
Utah	323	11,800	.42	.35	7.60	--	--
West Virginia	61	8,000	.23	.29	4.50	--	--
Wyoming	42,880	8,764	.33	.38	4.96	97	16.98
Unclassified	1,338	10,767	2.01	1.87	9.03	134	28.93
Indiana	55,854	10,550	1.49	1.42	7.42	W	W
Colorado	234	12,079	.52	.43	7.85	147	35.50
Illinois	4,656	10,939	2.20	2.01	8.85	120	26.27
Indiana	27,435	11,160	2.12	1.90	8.59	113	25.17
Kentucky	658	12,070	1.37	1.14	10.75	125	30.13
Montana	1,571	9,469	.32	.34	3.89	--	--
Ohio	68	11,035	3.09	2.80	11.28	121	26.72
Pennsylvania	248	12,898	2.42	1.88	8.55	126	32.44
Utah	175	12,347	.55	.44	9.01	168	41.54
Virginia	529	13,848	.77	.56	5.71	169	46.67
West Virginia	2,151	12,501	1.83	1.46	9.71	131	32.72
Wyoming	12,997	8,848	.24	.27	4.73	120	21.22
Unclassified	5,133	9,973	1.04	1.04	6.39	123	24.60
Iowa	19,863	8,705	.43	.49	5.31	W	W
Colorado	230	11,320	1.34	1.19	8.28	134	30.34
Illinois	673	10,745	2.88	2.68	8.60	126	28.82
Kentucky	2	12,000	1.50	1.25	11.00	208	49.90
Wyoming	14,760	8,603	.33	.38	5.17	85	14.65
Unclassified	4,198	8,594	.33	.38	5.09	85	14.58
Kansas	21,438	8,619	.48	.56	5.41	101	17.49
Kansas	78	10,718	3.53	3.30	19.15	125	26.75
Missouri	345	10,855	5.99	5.52	18.79	123	26.65
New Mexico	13	9,059	.49	.54	22.10	100	18.06
Oklahoma	44	12,534	3.78	3.02	11.38	122	30.51
Wyoming	20,778	8,566	.37	.44	5.12	101	17.27
Unclassified	180	8,551	.39	.46	5.11	103	17.61
Kentucky	38,702	11,498	2.11	1.84	11.46	123	28.24
Colorado	3,205	11,685	.62	.53	9.98	144	33.75
Illinois	211	12,132	3.35	2.76	10.27	121	29.35
Indiana	1,815	11,144	3.25	2.92	10.15	116	25.77
Kentucky	19,633	11,447	2.51	2.19	12.27	117	27.15
Ohio	639	11,701	3.00	2.56	12.62	115	26.81
Pennsylvania	453	12,708	2.56	2.02	9.06	124	31.53
West Virginia	5,631	12,241	1.38	1.13	11.01	141	34.55
Wyoming	1,542	8,708	.37	.43	5.94	132	22.98
Unclassified	5,573	11,565	2.26	1.96	11.99	121	28.09
Louisiana	13,809	8,023	.50	.62	7.77	W	W
Kentucky	20	12,500	.78	.63	12.22	--	--
Louisiana	1,139	6,732	.87	1.29	13.68	138	18.62
Wyoming	9,794	8,512	.37	.43	5.36	132	22.95
Unclassified	2,855	6,827	.79	1.16	13.64	132	18.07
Maine	268	13,124	.69	.53	5.76	W	W
West Virginia	36	13,157	.68	.51	5.49	--	--
Imported	233	13,118	.69	.53	5.80	--	--
Maryland	11,112	12,708	1.07	.84	10.09	163	41.42
Kentucky	202	12,840	.70	.54	8.51	--	--
Maryland	3,552	12,653	1.12	.88	10.53	--	--
Pennsylvania	699	12,822	1.56	1.22	9.10	--	--
Virginia	60	12,896	1.09	.84	10.11	--	--
West Virginia	6,385	12,755	1.01	.80	10.02	--	--
Imported	214	11,683	.62	.53	9.30	--	--
Massachusetts	4,378	12,200	1.14	.93	6.20	W	W
Kentucky	327	12,474	.64	.51	8.96	209	52.62
Virginia	25	14,209	.61	.43	4.93	184	52.24

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Massachusetts (Continued)							
West Virginia	598	12,146	3.39	2.79	8.24	--	--
Imported	3,344	12,174	.81	.66	5.61	189	47.09
Unclassified	84	11,962	.49	.41	4.60	162	38.73
Michigan	33,846	10,123	.57	.56	6.03	134	27.23
Colorado	753	12,182	.73	.60	8.86	162	39.52
Illinois	35	11,963	1.16	.97	6.56	142	33.82
Kentucky	3,958	12,761	1.11	.87	8.08	159	40.62
Montana	5,575	9,416	.37	.39	4.58	128	24.02
Ohio	201	11,875	2.92	2.46	10.75	167	40.50
Pennsylvania	837	12,903	1.83	1.42	8.15	143	36.79
Utah	205	12,684	1.22	.96	7.71	155	40.14
Virginia	27	12,672	1.17	.92	9.90	151	38.19
West Virginia	3,122	12,684	1.23	.97	9.98	164	41.58
Wyoming	12,520	8,833	.25	.28	4.92	114	20.20
Unclassified	6,612	9,632	.44	.46	5.48	127	24.40
Minnesota	20,558	8,895	.46	.52	6.64	W	W
Illinois	107	11,855	1.02	.86	6.15	182	43.20
Indiana	83	10,966	.89	.81	8.11	193	42.42
Montana	12,439	8,883	.58	.65	7.80	102	18.01
Wyoming	7,787	8,850	.26	.29	4.79	112	19.84
Unclassified	142	8,910	.48	.54	6.79	111	19.70
Mississippi	9,581	9,235	.59	.63	11.09	W	W
Colorado	2,960	11,818	.52	.44	8.91	160	37.72
Illinois	97	11,895	1.07	.90	6.67	149	35.53
Kentucky	1,083	12,623	1.05	.83	10.89	155	39.23
Mississippi	3,739	5,084	.51	1.01	15.57	--	--
Imported	1,701	11,556	.53	.46	5.44	155	35.80
Missouri	42,999	8,865	.37	.42	5.09	W	W
Illinois	951	11,600	2.52	2.17	7.20	129	30.29
Kansas	3	11,347	3.81	3.36	15.80	116	26.26
Kentucky	43	13,312	.98	.74	6.74	231	61.61
Missouri	181	10,333	2.98	2.88	15.19	152	31.51
Oklahoma	5	12,728	3.19	2.51	11.24	131	33.27
Utah	390	12,533	.70	.56	8.07	140	35.02
Wyoming	40,752	8,750	.30	.35	4.96	89	15.63
Unclassified	675	9,085	.48	.53	5.28	98	17.75
Montana	10,724	8,515	.62	.72	8.33	W	W
Montana	9,930	8,525	.65	.76	8.64	62	10.56
Wyoming	794	8,386	.23	.27	4.51	--	--
Nebraska	12,479	8,673	.29	.33	4.89	60	10.39
Wyoming	12,401	8,674	.29	.33	4.89	60	10.39
Unclassified	78	8,645	.29	.34	4.83	59	10.21
Nevada	7,732	11,120	.50	.45	9.65	142	31.52
Arizona	4,451	10,944	.49	.44	10.12	139	30.50
Colorado	48	11,932	.57	.48	9.68	138	32.81
Utah	2,054	11,417	.53	.46	8.82	155	35.38
Unclassified	1,178	11,233	.51	.46	9.34	127	28.60
New Hampshire	1,489	13,262	1.09	.82	6.00	170	45.16
Ohio	19	13,054	2.36	1.81	7.19	195	50.89
Pennsylvania	41	12,973	1.77	1.36	7.50	195	50.54
Virginia	70	14,166	.62	.44	4.79	191	54.24
Imported	193	13,023	1.66	1.28	5.77	156	40.57
Unclassified	1,167	13,260	.97	.73	6.04	170	45.09
New Jersey	4,765	13,056	1.11	.85	7.87	180	46.90
Kentucky	54	12,782	.74	.58	8.24	--	--
Pennsylvania	799	12,959	1.63	1.26	7.37	157	40.76
Virginia	1,137	13,841	.75	.54	5.40	--	--
West Virginia	2,460	12,796	1.17	.91	9.53	209	55.03
Imported	315	12,551	.72	.57	4.96	207	53.75
New Mexico	16,514	9,164	.73	.80	21.21	143	26.12
New Mexico	16,514	9,164	.73	.80	21.21	143	26.12
New York	9,570	12,545	1.80	1.43	7.82	159	40.01
Kentucky	36	13,400	.80	.60	5.80	--	--
Ohio	156	12,751	4.14	3.24	8.62	--	--
Pennsylvania	5,241	12,945	2.37	1.83	8.47	149	38.59

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
New York (Continued)							
Utah	47	12,361	.46	.37	7.93	--	--
West Virginia	2,372	12,808	1.40	1.10	7.82	145	38.79
Wyoming	864	8,821	.26	.30	5.21	--	--
Imported	853	13,063	.61	.47	6.46	--	--
Unclassified	1	12,978	1.89	1.46	7.90	158	41.06
North Carolina.....	30,053	12,423	.87	.70	10.58	178	44.31
Kentucky	10,475	12,483	1.01	.81	10.00	176	43.64
Virginia.....	1,713	12,487	.89	.71	11.07	169	42.15
West Virginia	14,976	12,359	.78	.63	11.06	181	44.61
Imported	355	13,022	.62	.48	5.86	158	41.15
Unclassified	2,535	12,419	.87	.70	10.57	178	44.27
North Dakota	25,254	6,549	.69	1.05	9.46	74	9.72
Montana	4	8,678	.77	.89	9.40	121	21.06
North Dakota	23,718	6,535	.69	1.06	9.50	74	9.68
Wyoming	240	7,997	.38	.48	5.53	85	13.60
Unclassified	1,292	6,537	.69	1.05	9.49	75	9.76
Ohio.....	43,200	12,160	2.14	1.76	10.71	121	29.47
Colorado	72	11,811	.89	.76	8.40	166	39.26
Illinois.....	283	12,174	.91	.75	7.15	142	34.57
Indiana.....	121	10,952	.45	.42	7.68	147	32.18
Kentucky	6,297	11,764	.88	.75	12.93	131	30.90
Ohio	18,002	12,246	3.24	2.65	9.41	113	27.63
Pennsylvania.....	1,169	13,071	2.46	1.88	7.87	106	27.80
Virginia.....	429	13,592	.78	.57	6.40	121	32.86
West Virginia	13,055	12,094	1.27	1.05	12.08	123	29.52
Unclassified	3,772	12,239	2.22	1.82	10.28	121	29.71
Oklahoma.....	21,161	8,872	.41	.47	5.70	W	W
Colorado	3	11,500	.60	.52	10.00	--	--
Oklahoma	1,128	11,945	2.40	2.01	15.86	--	--
Wyoming	18,826	8,700	.30	.35	5.13	96	16.62
Unclassified	1,204	8,686	.30	.35	5.13	96	16.71
Oregon.....	2,667	8,516	.29	.34	4.59	125	21.33
Montana.....	232	9,378	.35	.37	4.06	133	24.85
Wyoming.....	2,228	8,402	.27	.32	4.49	126	21.15
Unclassified	207	8,780	.38	.43	6.30	110	19.35
Pennsylvania.....	41,327	11,733	1.95	1.67	15.04	122	28.65
Indiana.....	5	11,130	.44	.40	7.60	--	--
Kentucky	285	12,794	.80	.63	7.97	121	31.39
Ohio	97	12,386	1.71	1.38	8.60	--	--
Pennsylvania.....	25,338	11,354	1.99	1.75	17.33	121	31.27
Virginia.....	19	12,205	2.83	2.32	11.30	--	--
West Virginia	6,146	12,583	1.62	1.29	9.87	121	30.85
Imported	313	12,989	.70	.54	6.06	--	--
Unclassified	9,124	12,131	2.17	1.79	12.77	--	--
South Carolina.....	13,214	12,669	1.10	.87	8.98	W	W
Kentucky	6,895	12,682	1.11	.87	8.83	158	40.13
Tennessee	146	12,965	1.26	.97	7.92	167	43.19
Virginia.....	253	12,632	.92	.73	10.93	179	45.11
West Virginia	547	12,422	.88	.71	10.92	174	43.19
Imported	49	11,897	.54	.46	5.38	184	43.73
Unclassified	5,325	12,678	1.13	.89	8.94	163	41.39
South Dakota	1,998	8,560	.33	.38	4.61	134	23.00
Wyoming.....	1,998	8,560	.33	.38	4.61	134	23.00
Tennessee.....	33,287	11,465	1.19	1.04	9.29	W	W
Colorado	4,968	11,711	.69	.59	10.58	135	31.65
Illinois.....	5,274	12,026	2.28	1.90	8.20	111	26.66
Kentucky	6,124	12,031	1.51	1.25	10.70	136	32.42
Pennsylvania.....	661	13,101	2.58	1.97	7.80	114	29.94
Tennessee	284	12,494	.84	.67	9.68	166	41.40
Utah	891	12,172	.68	.56	9.44	133	32.41
Virginia.....	4,236	12,582	.90	.72	10.02	137	33.97
West Virginia	1,047	12,124	1.10	.91	11.70	146	35.39
Wyoming.....	6,151	8,651	.36	.41	6.59	99	17.20
Unclassified	3,651	12,081	1.45	1.20	9.96	130	31.47
Texas.....	98,562	7,605	.78	1.02	10.81	125	19.08

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Destination Origin	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Texas (Continued)							
Colorado	1,422	10,657	.38	.36	6.40	--	--
Texas	46,790	6,433	1.27	1.98	17.05	111	13.48
Wyoming	38,258	8,601	.33	.38	5.12	127	22.11
Unclassified	12,091	8,631	.33	.38	5.19	129	22.35
Utah	15,330	11,025	.55	.50	12.33	W	W
Colorado	1,961	9,670	.53	.55	11.11	163	31.53
Utah	11,587	11,210	.56	.50	12.76	97	22.28
Unclassified	1,781	11,318	.52	.46	10.91	100	22.54
Virginia	14,576	12,826	.97	.75	9.80	167	42.72
Kentucky	4,093	12,895	1.11	.86	8.25	163	41.95
Ohio	1	12,938	.80	.62	11.50	141	36.49
Virginia	5,942	12,778	.93	.72	11.07	149	37.70
West Virginia	2,298	12,826	.79	.61	9.30	156	39.68
Unclassified	2,242	12,827	.99	.77	9.76	166	42.46
Washington	7,270	8,052	1.00	1.25	14.04	W	W
Montana	1,021	9,350	.34	.36	4.30	--	--
Washington	6,249	7,840	1.11	1.42	15.63	--	--
West Virginia	37,970	12,166	1.69	1.39	12.18	125	30.31
Illinois	254	11,682	1.21	1.03	6.57	139	32.39
Indiana	52	10,872	.58	.53	7.90	140	30.36
Kentucky	1,070	11,983	1.00	.83	11.37	103	24.63
Maryland	2,696	12,005	1.77	1.47	16.76	112	26.85
Ohio	2,491	12,451	4.13	3.32	8.74	105	26.12
Pennsylvania	5,537	12,725	1.68	1.32	8.87	118	29.85
Virginia	12	13,332	1.24	.93	6.18	130	35.49
West Virginia	25,756	12,049	1.48	1.23	12.84	134	32.59
Unclassified	101	12,166	1.61	1.33	11.90	127	31.09
Wisconsin	23,104	9,006	.38	.43	5.22	W	W
Colorado	763	11,851	.57	.48	8.71	168	40.07
Illinois	298	11,981	1.46	1.22	6.89	162	38.84
Indiana	232	11,231	1.43	1.28	8.91	153	34.32
Kentucky	122	12,168	2.36	1.94	8.41	185	48.49
Montana	618	8,949	.32	.36	4.65	113	20.29
Pennsylvania	91	12,781	1.37	1.07	7.44	153	39.19
Utah	230	12,549	1.24	.99	8.09	152	38.04
West Virginia	190	12,834	2.08	1.62	8.48	--	--
Wyoming	19,014	8,685	.30	.35	4.94	103	17.90
Unclassified	1,545	9,201	.41	.44	5.13	125	22.99
Wyoming	25,279	8,826	.49	.55	6.87	82	14.53
Wyoming	25,279	8,826	.49	.55	6.87	82	14.53
Total	986,026	10,137	.97	.96	8.98	128	26.00

W = Withheld to avoid disclosure of individual company data.

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts, heat value, sulfur, ash and average delivered cost of fuel at the destination reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel at the origin reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 16.A. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2004

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Alabama	10,938	12,119	1.21	1.00	12.33	166	40.32
Alabama.....	10,027	12,114	1.17	.97	12.33	165	40.04
Georgia.....	911	12,174	1.68	1.38	12.32	178	43.28
Arizona	13,041	10,927	.51	.47	9.64	123	26.84
Arizona.....	8,389	10,899	.51	.47	9.38	116	25.33
Nevada.....	4,652	10,979	.50	.46	10.11	135	29.56
Arkansas.....	18	9,418	1.38	1.47	26.43	--	--
Oklahoma.....	18	9,418	1.38	1.47	26.43	--	--
Colorado.....	30,355	11,131	.52	.47	9.25	137	30.38
Alabama.....	343	11,379	.57	.50	9.97	157	35.70
Arizona.....	981	10,684	.42	.39	7.43	152	32.58
California.....	31	12,230	.84	.69	8.85	--	--
Colorado.....	10,845	10,588	.45	.43	8.96	106	22.45
Florida.....	56	12,005	.83	.69	8.81	163	39.22
Georgia.....	12	12,204	.47	.39	7.50	212	51.72
Illinois.....	1,158	11,942	.41	.34	7.61	176	41.99
Indiana.....	602	12,122	.44	.37	8.24	183	44.34
Iowa.....	166	10,545	1.17	1.11	8.17	122	25.73
Kentucky.....	3,052	11,763	.61	.52	9.43	149	35.11
Massachusetts.....	142	11,882	.50	.42	6.86	244	57.73
Michigan.....	779	12,079	.65	.54	8.75	180	43.37
Mississippi.....	2,421	11,775	.53	.45	9.60	163	38.49
Nevada.....	187	12,030	.67	.55	9.36	144	34.70
Ohio.....	44	11,547	.51	.44	10.03	175	40.46
Oklahoma.....	93	12,000	.49	.41	9.16	--	--
Pennsylvania.....	32	11,114	.45	.41	8.05	--	--
Tennessee.....	5,108	11,826	.63	.54	9.92	140	33.12
Texas.....	862	10,470	.38	.37	6.20	--	--
Utah.....	2,642	9,784	.48	.49	11.68	156	30.49
West Virginia.....	7	11,185	.90	.80	7.15	186	41.61
Wisconsin.....	792	11,978	.61	.51	8.60	175	42.43
Illinois.....	28,802	11,359	2.10	1.85	8.27	141	32.61
Alabama.....	2,555	11,834	1.25	1.05	9.12	161	38.14
Florida.....	4,340	11,800	2.10	1.78	7.42	171	40.39
Georgia.....	668	12,012	1.18	.98	6.79	188	45.10
Illinois.....	8,077	10,533	2.29	2.17	8.70	138	29.04
Indiana.....	5,091	11,157	2.08	1.86	8.50	129	28.70
Iowa.....	643	10,859	3.21	2.96	9.42	143	32.06
Kentucky.....	139	11,929	2.62	2.20	8.75	141	33.69
Michigan.....	46	12,024	1.30	1.08	6.19	--	--
Minnesota.....	11	12,150	1.05	.86	6.60	181	44.02
Mississippi.....	12	11,983	1.06	.88	6.50	298	71.35
Missouri.....	839	11,556	2.87	2.48	6.95	146	34.22
New York.....	7	11,005	3.05	2.77	7.80	--	--
Ohio.....	373	12,034	2.03	1.68	8.02	139	33.47
South Carolina.....	10	11,710	1.55	1.32	8.60	180	42.11
Tennessee.....	5,986	12,014	2.08	1.73	8.01	116	27.95
Wisconsin.....	3	10,700	1.42	1.33	8.30	210	45.03
Indiana.....	30,085	11,171	2.18	1.95	8.63	116	25.91
Alabama.....	97	11,489	.82	.72	5.38	203	46.58
Florida.....	80	11,162	.80	.71	9.40	230	51.26
Illinois.....	490	10,842	1.76	1.62	9.18	--	--
Indiana.....	26,685	11,182	2.19	1.96	8.57	114	25.39
Kentucky.....	1,831	11,135	2.94	2.64	9.67	121	27.02
Michigan.....	23	11,678	1.67	1.43	7.00	--	--
Minnesota.....	35	10,575	.81	.76	8.74	202	42.77
Mississippi.....	45	11,135	1.56	1.40	9.77	186	41.33
New York.....	88	11,531	2.23	1.93	6.59	--	--
North Carolina.....	7	13,703	.77	.56	8.50	224	61.50
Ohio.....	234	10,908	.55	.51	8.99	172	37.48
Pennsylvania.....	161	10,945	.40	.37	7.92	--	--
Wisconsin.....	310	10,996	1.36	1.24	8.63	175	38.29
Kansas.....	72	11,596	3.29	2.83	12.63	139	32.25
Kansas.....	14	11,230	3.70	3.29	14.97	107	24.11
Kentucky.....	5	11,815	3.98	3.37	10.90	--	--

Table 16.A. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Kansas (Continued)							
Missouri.....	53	11,673	3.12	2.67	12.17	147	34.37
Kentucky.....	91,555	12,152	1.49	1.23	10.77	172	41.87
Alabama.....	676	11,682	3.36	2.88	12.57	125	29.24
Delaware.....	648	12,633	.70	.55	8.47	--	--
Florida.....	7,637	12,509	1.69	1.35	9.14	185	46.21
Georgia.....	14,423	12,376	1.04	.84	10.48	185	45.83
Illinois.....	81	11,090	2.60	2.35	11.98	113	18.48
Indiana.....	445	12,030	1.88	1.57	9.73	176	42.36
Kentucky.....	19,132	11,506	2.47	2.15	12.24	138	31.92
Louisiana.....	*	12,500	.89	.71	11.18	--	--
Maine.....	96	13,013	.95	.73	7.68	--	--
Maryland.....	390	12,745	.84	.66	8.92	--	--
Massachusetts.....	46	12,654	.72	.57	8.01	--	--
Michigan.....	3,368	12,784	1.15	.90	8.05	172	44.00
Mississippi.....	984	12,561	1.13	.90	11.33	213	53.44
Missouri.....	29	12,302	1.93	1.57	8.34	194	47.74
New Jersey.....	41	12,912	.75	.58	7.31	--	--
New York.....	50	12,128	1.81	1.49	12.71	--	--
North Carolina.....	10,371	12,449	.98	.78	10.26	202	50.06
Ohio.....	8,579	11,656	.91	.78	13.49	160	37.19
Pennsylvania.....	102	12,603	1.26	1.00	8.90	--	--
South Carolina.....	9,158	12,587	1.27	1.01	9.56	188	47.35
Tennessee.....	8,093	11,903	1.84	1.54	10.52	141	33.27
Virginia.....	5,762	12,704	1.02	.80	9.38	216	54.46
West Virginia.....	1,248	11,867	.93	.78	12.40	152	36.03
Wisconsin.....	194	12,056	1.98	1.64	9.01	211	51.81
Maryland.....	8,263	12,379	1.67	1.35	12.28	118	28.14
Maryland.....	5,286	12,627	1.58	1.25	9.79	--	--
West Virginia.....	2,977	11,940	1.84	1.54	16.70	118	28.14
Mississippi.....	3,572	5,106	.48	.94	15.38	--	--
Mississippi.....	3,572	5,106	.48	.94	15.38	--	--
Missouri.....	570	10,932	3.74	3.42	14.43	142	31.12
Kansas.....	365	10,797	4.43	4.10	16.27	133	28.80
Missouri.....	205	11,173	2.51	2.24	11.14	158	35.25
Montana.....	33,345	8,941	.52	.58	7.01	100	17.76
Arizona.....	71	9,348	.34	.37	3.94	132	24.66
Illinois.....	85	8,825	.38	.43	5.24	--	--
Indiana.....	1,794	9,539	.34	.36	4.03	149	27.55
Kansas.....	350	8,978	.33	.37	6.90	109	19.54
Michigan.....	7,124	9,373	.37	.40	4.67	127	23.76
Minnesota.....	11,658	8,921	.55	.62	7.50	101	17.92
Montana.....	10,351	8,512	.66	.77	9.01	63	10.67
North Dakota.....	348	9,072	.42	.46	6.21	99	17.97
Tennessee.....	243	9,296	.32	.35	5.75	114	21.27
Washington.....	915	9,350	.34	.36	4.30	--	--
West Virginia.....	10	11,549	1.41	1.22	8.15	174	40.18
Wisconsin.....	396	8,833	.30	.34	4.71	108	19.17
New Mexico.....	26,712	9,397	.69	.74	18.89	143	26.94
Arizona.....	10,081	9,681	.65	.67	15.85	137	26.41
New Mexico.....	16,632	9,225	.72	.78	20.74	148	27.25
North Dakota.....	22,900	6,553	.70	1.08	9.51	77	10.07
North Dakota.....	22,900	6,553	.70	1.08	9.51	77	10.07
Ohio.....	23,714	12,262	3.41	2.78	9.29	116	28.50
Florida.....	352	12,626	4.46	3.54	8.71	146	36.78
Indiana.....	254	11,652	2.74	2.35	10.66	154	35.79
Kentucky.....	487	11,686	3.22	2.76	12.70	117	27.42
Michigan.....	218	11,833	3.10	2.62	11.26	175	41.92
New York.....	154	13,001	4.44	3.42	7.98	--	--
Ohio.....	19,212	12,252	3.32	2.71	9.26	115	28.18
Pennsylvania.....	558	12,499	2.84	2.27	9.15	--	--
West Virginia.....	2,479	12,402	4.19	3.38	8.74	113	27.96
Oklahoma.....	962	11,719	2.45	2.09	16.86	129	33.30
California.....	1	11,800	.48	.41	9.00	--	--
Illinois.....	6	12,602	.90	.71	7.45	--	--
Kansas.....	20	13,140	3.11	2.37	8.35	126	33.20

Table 16.A. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Oklahoma (Continued)							
Missouri.....	14	12,541	3.03	2.42	9.71	133	33.44
Oklahoma.....	921	11,669	2.44	2.09	17.23	--	--
Pennsylvania.....	40,950	11,761	1.98	1.68	14.73	138	35.20
Delaware.....	525	12,730	1.22	.96	8.95	--	--
Florida.....	281	13,007	2.47	1.90	8.28	211	54.97
Indiana.....	416	12,809	2.37	1.85	9.11	139	35.58
Kentucky.....	243	12,879	2.14	1.67	8.51	137	35.32
Maryland.....	655	12,847	1.72	1.34	8.90	--	--
Michigan.....	689	12,995	1.53	1.17	7.51	149	38.79
New Hampshire.....	150	12,949	1.87	1.44	7.89	215	55.59
New Jersey.....	933	12,831	1.75	1.36	7.62	317	82.05
New York.....	3,725	12,934	2.16	1.67	8.53	157	40.68
Ohio.....	1,768	12,900	2.14	1.66	8.45	125	32.19
Pennsylvania.....	26,522	11,177	2.02	1.81	18.06	123	31.79
South Carolina.....	100	13,158	2.25	1.71	8.26	199	52.45
Tennessee.....	76	13,134	2.24	1.71	7.95	121	31.73
West Virginia.....	4,845	12,695	1.71	1.34	9.06	123	30.86
Wisconsin.....	23	12,650	1.36	1.08	7.40	163	41.35
Tennessee.....	927	12,629	1.13	.90	9.23	203	51.25
Alabama.....	5	12,500	1.03	.82	11.00	198	49.50
Georgia.....	437	12,775	1.13	.89	8.62	192	49.14
Kentucky.....	65	12,269	1.49	1.21	10.31	234	57.37
North Carolina.....	65	12,241	.97	.79	10.46	271	66.42
South Carolina.....	203	12,745	1.28	1.00	9.43	196	49.85
Tennessee.....	119	12,396	.86	.69	9.62	172	41.49
Virginia.....	32	12,306	.89	.72	9.70	287	70.44
Texas.....	46,073	6,494	1.29	1.99	16.64	124	14.94
Texas.....	46,073	6,494	1.29	1.99	16.64	124	14.94
Utah.....	15,039	11,248	.62	.55	13.01	117	26.64
California.....	1,306	12,204	.75	.61	9.23	--	--
Iowa.....	59	11,105	1.42	1.28	9.22	154	34.25
Michigan.....	102	12,607	1.30	1.03	8.03	--	--
Missouri.....	365	12,032	.86	.72	10.40	156	37.64
Nevada.....	1,840	11,449	.65	.56	10.14	139	31.79
Pennsylvania.....	12	12,428	.59	.47	7.69	--	--
Tennessee.....	722	12,174	.74	.61	9.88	139	33.78
Utah.....	10,157	10,937	.55	.50	14.60	106	23.99
Wisconsin.....	477	12,193	1.14	.93	8.90	165	40.24
Virginia.....	15,750	12,626	.95	.75	10.95	177	44.58
Delaware.....	21	12,504	.52	.42	12.90	--	--
Florida.....	19	12,916	.99	.77	10.24	195	50.41
Georgia.....	5,122	12,620	1.04	.82	11.41	187	47.07
Indiana.....	251	13,694	.79	.58	6.32	168	46.09
Maryland.....	33	12,712	1.24	.97	10.98	--	--
New Hampshire.....	157	14,048	.68	.48	4.68	198	55.60
North Carolina.....	1,867	12,198	.96	.79	12.14	198	48.35
Ohio.....	143	13,380	1.02	.76	7.93	132	35.27
Pennsylvania.....	21	12,550	2.20	1.75	11.10	--	--
South Carolina.....	31	12,452	.89	.72	11.07	269	66.99
Tennessee.....	2,882	12,524	.88	.71	10.14	157	38.45
Virginia.....	5,153	12,726	.91	.71	10.99	166	41.99
West Virginia.....	50	12,796	1.15	.90	12.13	184	47.20
Washington.....	5,642	7,957	1.03	1.29	15.09	--	--
Washington.....	5,642	7,957	1.03	1.29	15.09	--	--
West Virginia.....	83,401	12,291	1.33	1.08	11.65	164	40.12
Connecticut.....	697	12,273	1.32	1.08	12.39	--	--
Delaware.....	869	12,705	.77	.61	10.65	--	--
Florida.....	2,020	12,529	1.09	.87	10.62	208	53.29
Georgia.....	681	12,295	.91	.74	11.58	238	58.63
Indiana.....	2,804	12,483	1.89	1.51	9.87	139	34.78
Kentucky.....	5,091	12,205	1.48	1.22	11.37	144	35.19
Maryland.....	6,110	12,668	1.04	.82	10.45	--	--
Massachusetts.....	649	12,319	.65	.53	8.90	--	--
Michigan.....	2,806	12,617	1.12	.89	10.48	180	45.27
New Hampshire.....	58	13,155	1.36	1.03	6.93	233	61.41

Table 16.A. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
West Virginia (Continued)							
New Jersey	1,252	12,895	1.50	1.16	9.20	220	58.28
New York	2,604	12,934	2.20	1.70	8.66	156	41.42
North Carolina.....	14,375	12,292	.78	.64	11.80	196	48.04
Ohio.....	9,286	12,059	1.41	1.17	12.30	143	34.33
Pennsylvania.....	6,695	12,665	1.63	1.29	9.66	123	31.84
South Carolina.....	829	12,319	.98	.79	12.16	193	47.01
Tennessee.....	939	12,131	.99	.82	11.75	179	43.38
Virginia.....	1,878	12,706	.76	.60	9.58	180	45.26
West Virginia.....	23,645	11,962	1.56	1.31	13.41	148	35.93
Wisconsin.....	115	13,069	2.44	1.86	7.67	--	--
Wyoming.....	347,282	8,710	.32	.37	5.17	106	18.50
Alabama.....	11,009	8,796	.25	.28	5.00	125	21.99
Arizona.....	466	8,714	.42	.49	5.53	133	23.13
Arkansas.....	13,914	8,761	.28	.32	4.85	122	21.45
Colorado.....	7,458	8,674	.27	.31	4.73	81	14.09
Delaware.....	85	8,731	.32	.37	5.28	--	--
Florida.....	26	8,939	.21	.23	4.20	171	30.57
Georgia.....	10,690	8,785	.32	.37	5.11	162	28.54
Illinois.....	47,677	8,761	.33	.38	5.08	95	16.49
Indiana.....	14,131	8,856	.22	.25	4.69	120	21.29
Iowa.....	14,641	8,545	.32	.38	4.94	89	15.15
Kansas.....	19,162	8,572	.36	.42	5.22	102	17.55
Kentucky.....	1,165	8,802	.33	.37	5.47	125	22.03
Louisiana.....	11,678	8,584	.34	.40	5.19	133	23.22
Michigan.....	13,795	8,854	.25	.29	5.05	117	20.73
Minnesota.....	8,034	8,848	.28	.31	4.93	110	19.40
Mississippi.....	584	8,823	.30	.34	5.43	163	28.81
Missouri.....	41,535	8,738	.31	.35	5.06	90	15.70
Montana.....	764	8,400	.24	.28	4.47	--	--
Nebraska.....	12,261	8,574	.32	.38	5.02	66	11.30
Nevada.....	187	9,487	.42	.45	8.16	129	24.51
New York.....	2,006	8,825	.27	.31	5.13	--	--
North Dakota.....	223	7,972	.42	.53	5.38	87	13.87
Ohio.....	61	8,784	.29	.33	5.71	144	25.33
Oklahoma.....	19,355	8,705	.30	.34	5.07	101	17.61
Oregon.....	2,251	8,402	.33	.39	4.91	118	19.91
Pennsylvania.....	40	8,926	.25	.28	4.54	183	32.59
South Dakota.....	2,148	8,523	.34	.40	4.70	139	23.61
Tennessee.....	6,204	8,840	.28	.32	5.31	110	19.40
Texas.....	39,736	8,587	.33	.39	5.03	138	23.86
Utah.....	346	9,204	.43	.47	7.27	125	22.97
West Virginia.....	352	9,205	.37	.40	5.01	136	25.11
Wisconsin.....	19,797	8,669	.30	.35	4.92	107	18.61
Wyoming.....	25,501	8,826	.48	.55	6.89	87	15.28
Imported.....	19,689	11,729	.55	.47	5.88	181	43.01
Alabama.....	3,994	11,562	.52	.45	5.19	157	36.28
Connecticut.....	1,225	9,371	.09	.10	1.09	--	--
Florida.....	5,614	12,028	.60	.50	6.61	193	46.46
Georgia.....	490	12,570	.86	.69	8.50	164	41.38
Hawaii.....	647	11,097	.49	.44	4.74	--	--
Maine.....	175	12,767	.66	.52	6.11	--	--
Maryland.....	344	12,290	.49	.40	9.04	--	--
Massachusetts.....	3,283	11,663	.54	.46	5.78	206	50.51
Mississippi.....	1,718	11,376	.56	.49	6.78	166	37.69
New Hampshire.....	237	12,979	.92	.71	6.74	221	57.37
New Jersey.....	43	12,874	1.28	.99	7.85	207	53.25
New York.....	940	12,971	.63	.49	6.77	--	--
North Carolina.....	609	12,385	.62	.50	6.66	244	60.39
Pennsylvania.....	284	13,167	.72	.55	6.37	--	--
South Carolina.....	88	11,803	.66	.56	5.64	302	71.27
Unclassified.....	102,372	10,648	1.10	1.03	8.75	150	31.57
Alabama.....	5,098	11,771	1.22	1.04	9.89	158	37.28
Arizona.....	328	9,842	.56	.57	13.58	141	27.77
Arkansas.....	691	8,768	.30	.34	4.92	127	22.19
Colorado.....	531	10,377	.46	.45	9.83	100	20.65

Table 16.A. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2004
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Unclassified (Continued)							
Florida	11,859	12,287	1.39	1.13	8.47	194	47.73
Georgia	4,018	9,074	.37	.40	5.45	166	30.15
Illinois	2,120	9,796	1.27	1.29	7.28	126	24.71
Indiana	1,624	10,258	1.24	1.21	6.85	124	25.37
Iowa	4,296	8,637	.40	.46	5.05	90	15.53
Kansas	1,067	8,616	.36	.42	5.36	95	16.45
Kentucky	6,666	11,602	2.12	1.82	11.77	140	32.44
Louisiana	3,835	6,809	1.03	1.51	13.27	143	19.41
Massachusetts	271	11,917	.55	.47	5.99	184	43.89
Michigan	5,998	9,654	.45	.47	5.55	131	25.22
Minnesota	132	11,542	1.02	.88	7.78	192	44.21
Mississippi	288	10,454	.51	.49	7.28	162	33.95
Missouri	1,859	8,793	.34	.38	5.08	90	15.89
Nebraska	255	8,565	.33	.38	5.01	66	11.34
Nevada	1,624	11,225	.54	.48	9.73	137	30.79
New Hampshire	1,091	13,161	1.18	.90	6.58	194	51.07
New Jersey	4	12,666	1.45	1.14	9.40	226	57.20
New York	47	12,873	1.99	1.55	8.21	173	44.49
North Carolina	2,815	12,324	.87	.70	11.11	204	50.30
North Dakota	1,562	6,576	.70	1.06	9.17	75	9.92
Ohio	4,117	12,121	2.25	1.86	10.77	133	32.18
Pennsylvania	8,581	12,054	2.25	1.87	13.43	--	--
South Carolina	4,496	12,563	1.23	.98	9.81	194	48.68
Tennessee	6,125	12,021	1.57	1.30	9.80	137	33.04
Texas	13,435	8,594	.33	.38	5.10	134	22.98
Utah	3,393	10,943	.49	.45	12.43	108	23.54
Virginia	2,225	12,722	.93	.73	10.08	189	48.11
West Virginia	76	12,127	1.88	1.55	11.91	141	34.10
Wisconsin	1,803	9,929	.58	.58	6.30	140	27.87
Wyoming	41	8,706	.44	.51	7.40	85	14.80
Total	1,002,032	10,074	.97	.96	8.97	134	27.30

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is "1" and values under 0.5 are shown as ".5".)

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts, heat value, sulfur, and ash reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combinedcycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2003

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Alabama	11,136	12,095	1.14	.94	12.80	162	39.10
Alabama.....	10,119	12,088	1.08	.90	12.87	161	38.98
Georgia.....	1,017	12,167	1.66	1.36	12.05	166	40.27
Arizona	12,093	10,893	.50	.46	9.82	124	27.12
Arizona.....	7,642	10,863	.51	.47	9.65	116	25.14
Nevada.....	4,451	10,944	.49	.44	10.12	139	30.50
Colorado.....	28,372	11,183	.55	.49	9.21	135	30.28
Alabama.....	453	11,342	.58	.51	10.07	149	33.72
Arizona.....	312	11,197	.48	.43	9.43	154	34.49
Colorado.....	9,624	10,655	.46	.43	8.43	107	22.73
Florida.....	24	12,030	.48	.40	8.30	158	37.89
Georgia.....	297	12,086	.43	.35	8.04	256	61.77
Illinois.....	1,041	11,895	.48	.40	9.78	163	39.55
Indiana.....	234	12,078	.52	.43	7.85	147	35.50
Iowa.....	230	11,320	1.34	1.19	8.28	134	30.34
Kentucky.....	3,205	11,685	.62	.53	9.98	144	33.75
Michigan.....	753	12,182	.73	.60	8.86	162	39.52
Mississippi.....	2,960	11,818	.52	.44	8.91	160	37.72
Nevada.....	48	11,932	.57	.48	9.68	138	32.81
Ohio.....	72	11,811	.89	.76	8.40	166	39.26
Oklahoma.....	3	11,500	.60	.52	10.00	--	--
Tennessee.....	4,968	11,711	.69	.59	10.58	135	31.65
Texas.....	1,422	10,657	.38	.36	6.40	--	--
Utah.....	1,961	9,670	.53	.55	11.11	163	31.53
Wisconsin.....	763	11,851	.57	.48	8.71	168	40.07
Illinois.....	26,882	11,345	2.19	1.93	8.18	134	31.01
Alabama.....	351	11,966	1.44	1.21	6.87	147	35.15
California.....	31	10,807	3.26	3.01	8.62	--	--
Florida.....	5,889	11,883	2.14	1.80	7.35	164	38.93
Georgia.....	118	12,099	1.21	1.00	6.76	166	40.20
Illinois.....	7,651	10,584	2.20	2.08	8.69	133	28.10
Indiana.....	4,656	10,939	2.20	2.01	8.85	120	26.27
Iowa.....	673	10,745	2.88	2.68	8.60	126	28.82
Kentucky.....	211	12,132	3.35	2.76	10.27	121	29.35
Michigan.....	35	11,963	1.16	.97	6.56	142	33.82
Minnesota.....	107	11,855	1.02	.86	6.15	182	43.20
Mississippi.....	97	11,895	1.07	.90	6.67	149	35.53
Missouri.....	951	11,600	2.52	2.17	7.20	129	30.29
Ohio.....	283	12,174	.91	.75	7.15	142	34.57
Tennessee.....	5,274	12,026	2.28	1.90	8.20	111	26.66
West Virginia.....	254	11,682	1.21	1.03	6.57	139	32.39
Wisconsin.....	298	11,981	1.46	1.22	6.89	162	38.84
Indiana.....	30,224	11,162	2.18	1.95	8.69	114	25.39
Alabama.....	54	11,441	1.38	1.20	6.29	163	37.19
Illinois.....	428	11,400	3.08	2.70	9.45	174	39.09
Indiana.....	27,435	11,160	2.12	1.90	8.59	113	25.17
Kentucky.....	1,815	11,144	3.25	2.92	10.15	116	25.77
Minnesota.....	83	10,966	.89	.81	8.11	193	42.42
Ohio.....	121	10,952	.45	.42	7.68	147	32.18
Pennsylvania.....	5	11,130	.44	.40	7.60	--	--
West Virginia.....	52	10,872	.58	.53	7.90	140	30.36
Wisconsin.....	232	11,231	1.43	1.28	8.91	153	34.32
Kansas.....	116	11,313	2.77	2.45	16.17	125	26.74
Florida.....	36	12,597	1.06	.84	9.75	--	--
Kansas.....	78	10,718	3.53	3.30	19.15	125	26.75
Missouri.....	3	11,347	3.81	3.36	15.80	116	26.26
Kentucky.....	86,618	12,189	1.49	1.22	10.44	151	36.74
Alabama.....	2,937	11,766	2.51	2.14	11.32	134	31.53
Delaware.....	223	12,677	.63	.49	8.88	--	--
Florida.....	6,896	12,566	1.62	1.29	8.69	170	42.85
Georgia.....	15,135	12,478	.96	.77	9.88	172	42.95
Illinois.....	49	12,300	2.50	2.03	10.00	--	--
Indiana.....	658	12,070	1.37	1.14	10.75	125	30.13
Iowa.....	2	12,000	1.50	1.25	11.00	208	49.90
Kentucky.....	19,633	11,447	2.51	2.19	12.27	117	27.15

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Kentucky (Continued)							
Louisiana	20	12,500	.78	.63	12.22	--	--
Maryland	202	12,840	.70	.54	8.51	--	--
Massachusetts	327	12,474	.64	.51	8.96	209	52.62
Michigan	3,958	12,761	1.11	.87	8.08	159	40.62
Mississippi	1,083	12,623	1.05	.83	10.89	155	39.23
Missouri	43	13,312	.98	.74	6.74	231	61.61
New Jersey	54	12,782	.74	.58	8.24	--	--
New York	36	13,400	.80	.60	5.80	--	--
North Carolina	10,475	12,483	1.01	.81	10.00	176	43.64
Ohio	6,297	11,764	.88	.75	12.93	131	30.90
Pennsylvania	285	12,794	.80	.63	7.97	121	31.39
South Carolina	6,895	12,682	1.11	.87	8.83	158	40.13
Tennessee	6,124	12,031	1.51	1.25	10.70	136	32.42
Virginia	4,093	12,895	1.11	.86	8.25	163	41.95
West Virginia	1,070	11,983	1.00	.83	11.37	103	24.63
Wisconsin	122	12,168	2.36	1.94	8.41	185	48.49
Louisiana	1,139	6,732	.87	1.29	13.68	138	18.62
Louisiana	1,139	6,732	.87	1.29	13.68	138	18.62
Maryland	6,248	12,373	1.40	1.13	13.22	112	26.85
Maryland	3,552	12,653	1.12	.88	10.53	--	--
West Virginia	2,696	12,005	1.77	1.47	16.76	112	26.85
Mississippi	3,739	5,084	.51	1.01	15.57	--	--
Mississippi	3,739	5,084	.51	1.01	15.57	--	--
Missouri	526	10,675	4.95	4.64	17.55	133	28.32
Kansas	345	10,855	5.99	5.52	18.79	123	26.65
Missouri	181	10,333	2.98	2.88	15.19	152	31.51
Montana	31,876	8,920	.53	.60	7.05	99	17.54
Arizona	14	9,233	.32	.35	4.00	131	24.21
Illinois	472	9,300	.34	.37	4.00	--	--
Indiana	1,571	9,469	.32	.34	3.89	--	--
Michigan	5,575	9,416	.37	.39	4.58	128	24.02
Minnesota	12,439	8,883	.58	.65	7.80	102	18.01
Montana	9,930	8,525	.65	.76	8.64	62	10.56
North Dakota	4	8,678	.77	.89	9.40	121	21.06
Oregon	232	9,378	.35	.37	4.06	133	24.85
Washington	1,021	9,350	.34	.36	4.30	--	--
Wisconsin	618	8,949	.32	.36	4.65	113	20.29
New Mexico	27,106	9,293	.74	.79	19.32	139	25.81
Arizona	10,580	9,495	.74	.78	16.36	134	25.32
Kansas	13	9,059	.49	.54	22.10	100	18.06
New Mexico	16,514	9,164	.73	.80	21.21	143	26.12
North Dakota	23,718	6,535	.69	1.06	9.50	74	9.68
North Dakota	23,718	6,535	.69	1.06	9.50	74	9.68
Ohio	21,795	12,253	3.34	2.72	9.43	113	27.72
Florida	122	12,676	4.52	3.56	8.67	145	36.79
Indiana	68	11,035	3.09	2.80	11.28	121	26.72
Kentucky	639	11,701	3.00	2.56	12.62	115	26.81
Michigan	201	11,874	2.92	2.46	10.75	167	40.50
New Hampshire	19	13,054	2.36	1.81	7.19	195	50.89
New York	156	12,751	4.14	3.24	8.62	--	--
Ohio	18,002	12,246	3.24	2.65	9.41	113	27.63
Pennsylvania	97	12,386	1.71	1.38	8.60	--	--
Virginia	1	12,938	.80	.62	11.50	141	36.49
West Virginia	2,491	12,451	4.13	3.32	8.74	105	26.12
Oklahoma	1,177	11,971	2.45	2.05	15.67	123	30.79
Kansas	44	12,534	3.78	3.02	11.38	122	30.51
Missouri	5	12,728	3.19	2.51	11.24	131	33.27
Oklahoma	1,128	11,945	2.40	2.01	15.86	--	--
Pennsylvania	41,884	11,953	2.00	1.68	13.84	124	31.89
Alabama	25	13,064	2.46	1.88	7.90	162	42.30
Delaware	479	12,836	1.33	1.04	8.86	--	--
Florida	267	13,006	2.66	2.05	8.19	150	39.06
Indiana	248	12,898	2.42	1.88	8.55	126	32.44
Kentucky	453	12,708	2.56	2.02	9.06	124	31.53
Maryland	699	12,822	1.56	1.22	9.10	--	--

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Pennsylvania (Continued)							
Michigan.....	837	12,903	1.83	1.42	8.15	143	36.79
New Hampshire.....	41	12,973	1.77	1.36	7.50	195	50.54
New Jersey.....	799	12,959	1.63	1.26	7.37	157	40.76
New York.....	5,241	12,945	2.37	1.83	8.47	149	38.59
Ohio.....	1,169	13,071	2.46	1.88	7.87	106	27.80
Pennsylvania.....	25,338	11,354	1.99	1.75	17.33	121	31.27
Tennessee.....	661	13,101	2.58	1.97	7.80	114	29.94
West Virginia.....	5,537	12,725	1.68	1.32	8.87	118	29.85
Wisconsin.....	91	12,781	1.37	1.07	7.44	153	39.19
Tennessee.....	660	12,573	.97	.77	9.54	169	42.47
Alabama.....	130	12,136	.78	.65	12.57	176	42.75
Georgia.....	100	12,796	1.13	.88	7.55	174	44.67
South Carolina.....	146	12,965	1.26	.97	7.92	167	43.19
Tennessee.....	284	12,494	.84	.67	9.68	166	41.40
Texas.....	46,790	6,433	1.27	1.98	17.05	111	13.48
Texas.....	46,790	6,433	1.27	1.98	17.05	111	13.48
Utah.....	17,244	11,445	.58	.51	11.38	110	25.53
California.....	1,341	12,112	.64	.53	8.10	--	--
Illinois.....	323	11,800	.42	.35	7.60	--	--
Indiana.....	175	12,347	.55	.44	9.01	168	41.54
Michigan.....	205	12,684	1.22	.96	7.71	155	40.14
Missouri.....	390	12,533	.70	.56	8.07	140	35.02
Nevada.....	2,054	11,417	.53	.46	8.82	155	35.38
New York.....	47	12,361	.46	.37	7.93	--	--
Tennessee.....	891	12,172	.68	.56	9.44	133	32.41
Utah.....	11,587	11,210	.56	.50	12.76	97	22.28
Wisconsin.....	230	12,549	1.24	.99	8.09	152	38.04
Virginia.....	21,118	12,781	.90	.70	10.26	156	39.55
Alabama.....	9	12,400	.89	.72	10.50	187	46.33
Connecticut.....	68	13,200	.73	.55	6.10	--	--
Delaware.....	40	12,698	.82	.65	9.84	--	--
Florida.....	95	13,062	1.07	.82	9.91	188	49.03
Georgia.....	6,453	12,640	.91	.72	11.06	167	42.30
Indiana.....	529	13,848	.77	.56	5.71	169	46.67
Maryland.....	60	12,896	1.09	.84	10.11	--	--
Massachusetts.....	25	14,209	.61	.43	4.93	184	52.24
Michigan.....	27	12,672	1.17	.92	9.90	151	38.19
New Hampshire.....	70	14,166	.62	.44	4.79	191	54.24
New Jersey.....	1,137	13,841	.75	.54	5.40	--	--
North Carolina.....	1,713	12,487	.89	.71	11.07	169	42.15
Ohio.....	429	13,592	.78	.57	6.40	121	32.86
Pennsylvania.....	19	12,205	2.83	2.32	11.30	--	--
South Carolina.....	253	12,632	.92	.73	10.93	179	45.11
Tennessee.....	4,236	12,582	.90	.72	10.02	137	33.97
Virginia.....	5,942	12,778	.93	.72	11.07	149	37.70
West Virginia.....	12	13,332	1.24	.93	6.18	130	35.49
Washington.....	6,249	7,840	1.11	1.42	15.63	--	--
Washington.....	6,249	7,840	1.11	1.42	15.63	--	--
West Virginia.....	91,888	12,325	1.25	1.02	11.26	149	36.60
Alabama.....	391	12,408	.84	.67	12.59	178	44.13
Connecticut.....	664	12,244	1.24	1.02	12.59	--	--
Delaware.....	923	12,819	.74	.58	9.62	--	--
Florida.....	2,434	12,625	1.02	.81	9.71	213	54.08
Georgia.....	646	12,399	.69	.56	10.93	208	51.70
Illinois.....	61	8,000	.23	.29	4.50	--	--
Indiana.....	2,151	12,501	1.83	1.46	9.71	131	32.72
Kentucky.....	5,631	12,241	1.38	1.13	11.01	141	34.55
Maine.....	36	13,157	.68	.51	5.49	--	--
Maryland.....	6,385	12,755	1.01	.80	10.02	--	--
Massachusetts.....	598	12,146	3.39	2.79	8.24	--	--
Michigan.....	3,122	12,684	1.23	.97	9.98	164	41.58
New Jersey.....	2,460	12,796	1.17	.91	9.53	209	55.03
New York.....	2,372	12,808	1.40	1.10	7.82	145	38.79
North Carolina.....	14,976	12,359	.78	.63	11.06	181	44.61
Ohio.....	13,055	12,094	1.27	1.05	12.08	123	29.52

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
West Virginia (Continued)							
Pennsylvania.....	6,146	12,582	1.62	1.29	9.87	121	30.85
South Carolina.....	547	12,422	.88	.71	10.92	174	43.19
Tennessee.....	1,047	12,124	1.10	.91	11.70	146	35.39
Virginia.....	2,298	12,826	.79	.61	9.30	156	39.68
West Virginia.....	25,756	12,049	1.48	1.23	12.84	134	32.59
Wisconsin.....	190	12,834	2.08	1.62	8.48	--	--
Wyoming.....	327,820	8,707	.32	.37	5.16	102	17.80
Alabama.....	10,127	8,780	.23	.27	4.83	129	22.72
Arizona.....	57	8,724	.42	.48	5.50	131	22.84
Arkansas.....	13,216	8,756	.28	.32	4.67	120	20.93
California.....	56	8,500	.32	.38	4.80	--	--
Colorado.....	8,208	8,634	.30	.35	4.81	81	13.98
Georgia.....	6,292	8,773	.33	.38	5.20	172	30.15
Illinois.....	42,880	8,764	.33	.38	4.96	97	16.98
Indiana.....	12,997	8,848	.24	.27	4.73	120	21.22
Iowa.....	14,760	8,603	.33	.38	5.17	85	14.65
Kansas.....	20,778	8,566	.37	.44	5.12	101	17.27
Kentucky.....	1,542	8,708	.37	.43	5.94	132	22.98
Louisiana.....	9,794	8,512	.37	.43	5.36	132	22.95
Michigan.....	12,520	8,833	.25	.28	4.92	114	20.20
Minnesota.....	7,787	8,850	.26	.29	4.79	112	19.84
Missouri.....	40,752	8,750	.30	.35	4.96	89	15.63
Montana.....	794	8,386	.23	.27	4.51	--	--
Nebraska.....	12,401	8,674	.29	.33	4.89	60	10.39
New York.....	864	8,821	.26	.30	5.21	--	--
North Dakota.....	240	7,997	.38	.48	5.53	85	13.60
Oklahoma.....	18,826	8,700	.30	.35	5.13	96	16.62
Oregon.....	2,228	8,402	.27	.32	4.49	126	21.15
South Dakota.....	1,998	8,560	.33	.38	4.61	134	23.00
Tennessee.....	6,151	8,651	.36	.41	6.59	99	17.20
Texas.....	38,258	8,601	.33	.38	5.12	127	22.11
Wisconsin.....	19,014	8,685	.30	.35	4.94	103	17.90
Wyoming.....	25,279	8,826	.49	.55	6.87	82	14.53
Imported.....	19,219	11,884	.61	.51	5.57	155	36.99
Alabama.....	4,477	11,693	.60	.51	5.85	153	35.78
California.....	3	12,055	.36	.30	10.50	--	--
Connecticut.....	1,074	9,361	.11	.11	1.09	--	--
Delaware.....	1	13,120	.66	.50	5.20	--	--
Florida.....	4,835	12,009	.58	.48	5.97	154	37.01
Georgia.....	540	12,702	.74	.58	6.56	160	40.69
Hawaii.....	715	11,422	.44	.38	4.75	--	--
Maine.....	233	13,118	.69	.53	5.80	--	--
Maryland.....	214	11,683	.62	.53	9.30	--	--
Massachusetts.....	3,344	12,174	.81	.66	5.61	189	47.09
Mississippi.....	1,701	11,556	.53	.46	5.44	155	35.80
New Hampshire.....	193	13,023	1.66	1.28	5.77	156	40.57
New Jersey.....	315	12,551	.72	.57	4.96	207	53.75
New York.....	853	13,063	.61	.47	6.46	--	--
North Carolina.....	355	13,022	.62	.48	5.86	158	41.15
Pennsylvania.....	313	12,989	.70	.54	6.06	--	--
South Carolina.....	49	11,897	.54	.46	5.38	184	43.73
Unclassified.....	100,387	10,842	1.12	1.03	8.53	141	30.30
Alabama.....	7,224	11,557	1.34	1.16	10.01	142	32.85
Arizona.....	53	9,567	1.11	1.16	15.50	144	27.55
Arkansas.....	547	8,805	.25	.28	4.50	119	21.03
Colorado.....	1,072	10,934	.50	.45	9.75	103	22.43
Florida.....	13,704	12,320	1.38	1.12	7.95	179	44.17
Georgia.....	3,710	11,088	.71	.64	8.16	171	37.97
Illinois.....	1,338	10,767	2.01	1.87	9.03	134	28.93
Indiana.....	5,133	9,973	1.04	1.04	6.39	123	24.60
Iowa.....	4,198	8,594	.33	.38	5.09	85	14.58
Kansas.....	180	8,551	.39	.46	5.11	103	17.61
Kentucky.....	5,573	11,565	2.26	1.96	11.99	121	28.09
Louisiana.....	2,855	6,827	.79	1.16	13.64	132	18.07
Massachusetts.....	84	11,962	.49	.41	4.60	162	38.73

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2003
(Continued)

Origin Destination	Quantity (thousand tons)	Average Quality				Average Delivered Cost	
		Heat Value (Btu per pound)	Sulfur (percent by weight)	Sulfur (pounds per Million Btu)	Ash (percent by weight)	(cents per million Btu)	(dollars per ton)
Unclassified (Continued)							
Michigan.....	6,612	9,632	.44	.46	5.48	127	24.40
Minnesota.....	142	8,910	.48	.54	6.79	111	19.70
Missouri.....	675	9,085	.48	.53	5.28	98	17.75
Nebraska.....	78	8,645	.29	.34	4.83	59	10.21
Nevada.....	1,178	11,233	.51	.46	9.34	127	28.60
New Hampshire.....	1,167	13,260	.97	.73	6.04	170	45.09
New York.....	1	12,978	1.89	1.46	7.90	158	41.06
North Carolina.....	2,535	12,419	.87	.70	10.57	178	44.27
North Dakota.....	1,292	6,537	.69	1.05	9.49	75	9.76
Ohio.....	3,772	12,239	2.22	1.82	10.28	121	29.71
Oklahoma.....	1,204	8,686	.30	.35	5.13	96	16.71
Oregon.....	207	8,780	.38	.43	6.30	110	19.35
Pennsylvania.....	9,124	12,131	2.17	1.79	12.77	--	--
South Carolina.....	5,325	12,678	1.13	.89	8.94	163	41.39
Tennessee.....	3,651	12,081	1.45	1.20	9.96	130	31.47
Texas.....	12,091	8,631	.33	.38	5.19	129	22.35
Utah.....	1,781	11,318	.52	.46	10.91	100	22.54
Virginia.....	2,242	12,827	.99	.77	9.76	166	42.46
West Virginia.....	101	12,166	1.61	1.33	11.90	127	31.09
Wisconsin.....	1,545	9,201	.41	.44	5.13	125	22.99
Total.....	986,026	10,137	.97	.96	8.98	126	25.82

Notes: • Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal. • Receipts, heat value, sulfur, and ash reflect data supplied via both the Form EIA-423 and the FERC Form 423. Average delivered cost of fuel reflects data supplied via the FERC Form 423 only. • Totals may not equal sum of components because of independent rounding. • Receipts data for regulated utilities are compiled by EIA from data collected by the Federal Energy Regulatory Commission (FERC) on the FERC Form 423. These data are collected by FERC for regulatory rather than statistical and publication purposes. The FERC Form 423 data published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, EIA does not attempt to resolve any late filing issues in the FERC Form 423 data. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossil-fueled nameplate generating capacity of 50 or more megawatts; utility data include fuel delivered to plants whose total fossil-fueled steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity is 50 or more megawatts. • The cost of coal receipts displayed for the States of Alabama, Florida, Kentucky, and Tennessee does not represent the total average delivered cost of coal for these States and their respective Census Divisions. In some instances, coal is delivered to a transfer facility prior to being delivered to the power plant. The costs presented in this table reflect the initial delivery costs, not any additional costs incurred to deliver the coal from the transfer facility to the power plant site. • Monetary values are expressed in nominal terms.

Sources: Energy Information Administration, Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report;" Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Appendix

Technical Notes

This appendix describes how the Energy Information Administration (EIA) collects, estimates, and reports data in the Cost and Quality of Fossil Fuels for Electric Plants report. A description of the ongoing data quality efforts and sources of data for the report follows.

Data Quality

The Cost and Quality of Fossil Fuels for Electric Plants is prepared by the Electric Power Division, Office of Coal, Nuclear, Electric and Alternate Fuels (CNEAF), Energy Information Administration (EIA), U.S. Department of Energy (DOE). The CNEAF office performs routine reviews of the data collected and the forms on which they are collected. Additionally, to assure that the data are collected from the complete set of respondents, CNEAF routinely reviews the frames for each data collection.

Reliability of Data

Survey data have nonsampling errors. Non-sampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse); (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data; and (6) other errors of collection, response, coverage, and estimation for missing data. Although no direct measurement of the biases due to nonsampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. See the Data Processing and Data System Editing section for each Form for an in-depth discussion of how the sampling and nonsampling errors are handled in each case.

Data Revision Procedure

The Office of Coal, Nuclear, Electric, and Alternate Fuels (CNEAF) has adopted the following procedures with respect to the revision of data disseminated in energy data products:

- Annual survey data are disseminated either as preliminary or final when first appearing in a

data product. Data initially released as preliminary will be so noted in the data product. These data should be released as final by the next dissemination of the same product; however, if final data are available at an earlier interval they may be released in another product.

- All monthly and quarterly survey data are first disseminated as preliminary. These data are revised only after the completion of the 12-month cycle of the data. No revisions are made to the published data before this unless significant errors are discovered that are brought to the attention of the Office Director by the responsible Division Director. In that case, determination as to whether the data should be revised will be made as in item 5 below.
- Weekly and monthly coal production data are first disseminated as estimates. These estimates are revised when quarterly data become available and later finalized when adjusted to conform to final annual production data.
- Any CNEAF data released as preliminary or estimated will be revised, if necessary, and disseminated as final at the same levels of aggregation in a future data product.
- After data are disseminated as final, further revisions will be considered if they make a difference of one percent or greater at the national level. Revisions for differences that do not meet the one percent or greater threshold will be brought to the attention of the Office Director for consideration if the responsible Division Director believes the proposed revision is significant. In either case, the proposed revision will be subject to the EIA revision policy concerning how it affects other EIA products.
- The stages of the data (e.g., preliminary, estimated, final, revised) will be so designated in table/figure titles, headers, or footnotes, or in the accompanying text.
- The magnitudes of changes due to revisions experienced in the past will be included periodically in the data products, so that the reader can assess the accuracy of the data.
- The CNEAF data revision procedures should be referenced in each data product release.

The Cost and Quality of Fossil Fuels for Electric Plants 2003 and 2004 presents the most current annual data available to the EIA. The statistics may differ from those published previously in EIA publications due to

corrections, revisions, or other adjustments to the data subsequent to its original release but will be consistent with the Electric Power Annual 2004.

Rounding and Percent Change Calculations

Rounding Rules for Data. Given a number with r digits to the left of the decimal and d+t digits in the fraction part, with d being the place to which the number is to be rounded and t being the remaining digits which will be truncated, this number is rounded to r+d digits by adding 5 to the (r+d+1)th digit when the number is positive or by subtracting 5 when the number is negative. The t digits are then truncated at the (r+d+1)th digit. The symbol for a number rounded to zero is (*).

Percent Change. The following formula is used to calculate percent differences.

$$\text{Percent Change} = \left(\frac{x(t_2) - x(t_1)}{x(t_1)} \right) \times 100,$$

where x (t₁) and x (t₂) denote the quantity at year t₁ and subsequent year t₂.

Data Sources for the Cost and Quality of Fossil Fuels for Electric Plants

Data published in the report are compiled from forms filed monthly by electric utilities and electricity generators. The applicable EIA form is Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." A brief description of this form can be found on the EIA website on the Internet with the following URL:

<http://www.eia.doe.gov/cneaf/electricity/page/define.html>

Survey data from the Federal Energy Regulatory Commission is also utilized for this publication. This information is derived from the FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Form EIA-423

The Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report," collects information from

selected electric generating plants in the United States. The data collected on this survey include the cost and quality of fossil fuels delivered to nonutility plants to produce electricity. These plants include independent power producers (including those facilities that formerly reported on the FERC Form 423) and commercial and industrial combined heat and power producers whose total fossil-fueled nameplate generating capacity is 50 or more megawatts.

Instrument and Design History. The Form EIA-423 was originally implemented in January 2002 to collect monthly cost and quality data for fossil fuel receipts from owners or operators of nonutility electricity generating plants. Due to the restructuring of the electric power industry, many plants which had historically submitted this information for utility plants on the FERC Form 423 (see subsequent section) were being transferred to the nonutility sector. As a result, a large percentage of fossil fuel receipts were no longer being reported. The Form EIA-423 was implemented to fill this void and to capture the data associated with existing nonregulated power producers. Its design closely follows that of the FERC Form 423. As of the end of 2004, approximately 750 plants were submitting data for this survey.

Unified Data Submission Process. The Form EIA-423 data are either received on paper forms or entered directly by respondents into CNEAF's Internet Data Collection System (IDC). Hard copy forms are keyed by EIA into the IDC. All data are subject to review via edits built into the IDC, additional quality assurance reports, and review by subject matter experts. Questionable data values are verified through contacts with respondents. Also, survey non-respondents are identified and contacted.

Data Processing and Data System Editing. The Form EIA-423 survey respondents are required to submit their data by the 45th calendar day following the close of the report month. During 2003 a process was established to allow electronic submission of these data, i.e., the respondents enter their data directly into a computerized database. Anomalous data are identified via range checks, comparisons with historical data, and consistency checks (for example, whether the amount of fuel received is consistent with the amount of fuel consumption reported on a separate EIA report). Most of these edit checks are performed on-line as the data are provided. Others are performed at the end of the cycle by running batch edit reports to identify those not addressed on-line.

Those respondents unable to use the electronic reporting method provide the data in hard copy, typically via fax

and email. These data are manually entered into the computerized database and are subjected to the same data edits as those that are electronically submitted. Resolution of questionable data is accomplished via telephone or email contact with the respondents.

Formulas and Methodologies. Data for the Form EIA-423 are collected at the plant level. These data are then used in the following formulas to produce aggregates and averages for each fuel type at the State, Census division, and U.S. levels. For these formulas, receipts and average heat content are at the plant level. For each geographic region, the summation sign, \sum , represents the summation of all facilities in that geographic region. Costs for each fuel type are reported in cents per million Btu. Additionally, for coal, units for receipts are in tons, and units for average heat content (A) are in Million Btu per short ton. For petroleum, units for receipts are in barrels, and units for average heat content (A) are in Million Btu per barrel. For gas, units for receipts are in thousand cubic feet (Mcf), and units for average heat content (A) are in Million Btu per thousand cubic foot. For fuels receipts (R), the following holds true:

$$\text{Total Btu} = \sum_i (R_i \times A_i)$$

$$\text{Weighted Average Btu} = \frac{\sum_i (R_i \times A_i)}{\sum_i R_i}$$

The weighted average cost in cents per million Btu is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{\sum_i (R_i \times A_i)}$$

The weighted average cost in dollars per unit (i.e., tons, barrels, or Mcf) is calculated using the following formula:

$$\text{Weighted Average Cost} = \frac{\sum_i (R_i \times A_i \times C_i)}{10^2 \sum_i R_i},$$

For these formulas:

i denotes a plant

R_i = receipts for plant i

A_i = average heat content for receipts, plant i

C_i = fuel cost in cents per million Btu, plant i

Confidentiality of the Data. Plant fuel cost data collected on the survey form are considered confidential and will not be made available to the public. State and national level aggregations will be published in this report if sufficient data are available to avoid disclosure of individual company plant level costs.

FERC Form 423

The FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," is administered by the Federal Energy Regulatory Commission. The data are downloaded from the Commission's website into an EIA database. The Form is due to FERC no later than 45 days after the end of the report month and is filed by approximately 600 regulated plants. To meet the criteria for filing, a plant must have a total steam turbine electric generating capacity and/or combined-cycle (gas turbine with associated steam turbine) generating capacity of 50 or more megawatts. Only fuel delivered for use in steam-turbine and combined-cycle units is reported. Fuel received for use in gas-turbine or internal-combustion units that is not associated with a combined-cycle operation is not reported.

Instrument and Design History. On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil steam plants, but was amended in 1974 to include data on internal-combustion and combustion-turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, for which data were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator-nameplate-capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

Data Processing and Data System Editing. The FERC processes the data through edits and each month posts a monthly file on their website:

<http://www.ferc.gov/docs-filing/eforms/form-423/data.asp>.

The EIA downloads the file and reviews the data for accuracy. Edit checks of the data are performed through computer programs. These edits include both deterministic checks in which records are checked for the presence of data in required fields, and statistical checks in which the data are checked against a range of values based on historical data values and for logical or mathematical consistency with other data elements in the file.

Estimation for FERC Form 423 Data. In order to address FERC Form 423 fuel receipts data that were determined to either be out of range (greater than +/- 20 percent of the estimated receipts, calculated based on reported fuel consumption and stocks data) or missing due to non-response beginning in 2003, a procedure was utilized to estimate fuel receipts for the affected plants on a monthly basis. For missing or out-of-range natural gas receipts, the monthly consumption value from the Form EIA-906, "Power Plant Report," was used as a proxy for the monthly receipts. For missing or out-of-range coal and petroleum receipts, the estimated monthly fuel receipts were calculated using the Form EIA-906 data (where

receipts were estimated to be equal to the monthly fuel consumption plus the difference between ending and beginning fuel stocks).

The associated fuel quality and cost information for each facility was estimated using the State weighted average for the electric power industry for the year (FERC Form 423 and Form EIA-423). In the event that no values were available at the State level, national averages for the electric power industry for the year were used.

Formulas and Methodologies. Data for the FERC Form 423 are collected at the plant level. These data are then used in the same formulas shown under the "Formulas and Methodologies" section for the Form EIA-423 to produce aggregates and averages for each fuel type at the State, Census division, and U.S. levels.

Confidentiality of the Data. Data collected on FERC Form 423 are not considered to be confidential.