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Cost and Quality of Fuels for Electric Plants 2002 and 2003

June 29, 2006
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Energy Information Administration
Office of Coal, Nuclear, Electric and Alternate Fuels
U.S. Department of Energy
Washington DC 20585

Preface

Background

The *Cost and Quality of Fuels for Electric Plants 2002 and 2003* 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 expands the coverage of fuel cost and quality data presented in the publication *Cost and Quality of Fuels for Electric Utility Plants 2001* and prior issues. This issue includes data from independent power producers (IPPs) and other generators, along with regulated electric utility data, for 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

Beginning with 2002 data, 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 2002 and 2003*, 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 2002 and 2003* 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.

Update to Information Previously Published

The EIA has included revisions to the information originally presented in the *Electric Power Annual 2003*, with the publication of the *Cost and Quality of Fuels for Electric Plants 2002 and 2003*.

Subsequent to the publication of the *Electric Power Annual 2003* a few inconsistencies were discovered pertaining to the 2003 data. In addition, the estimation procedure used for the data collected via the FERC Form 423 has been enhanced.

The EIA felt it appropriate to correct the data inconsistencies and to incorporate the enhancements to the estimation procedure in conjunction with the publication of the *Cost and Quality of Fuels for Electric Plants 2002 and 2003*.

Publication Contacts:

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

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Table ES1.A. 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.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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, 2002

Type of Fuel	Total All Sectors	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Total Coal (thousand tons)[1]	**884,287**	**687,747**	**182,482**	**399**	**13,659**
Bituminous[2]	412,589	318,589	84,844	399	8,756
Subbituminous	391,785	333,228	55,868	--	2,688
Lignite	65,555[R]	35,929	27,415	--	2,211
Total Petroleum Liquids (thousand barrels)	**120,851**	**77,194**	**38,236**	**91**	**5,330**
Petroleum Liquids	98,581	63,809	30,043	91	4,638
Residual[3]	87,531	59,824	24,308	--	3,398
Distillate[4]	9,821	3,986	5,239	91	506
Other Fuel Oil[5]	1,230	--	496	--	734
Petroleum Coke[6]	22,270	13,385	8,193	--	692
Total Natural Gas (million cubic feet)[7]	**5,607,737**	**1,634,734**	**3,126,308**	**18,256**	**828,439**

[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.
R = Revised.

Notes: • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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 ES2.A. 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.
[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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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 ES2.B. Average Delivered Cost of Fuels by Type of Fuel, 2002

Type of Fuel	Total All Sectors	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Total Coal (dollars per ton)[1]	**25.52**	**24.74**	**27.96**	**50.44**	**31.29**
Bituminous[2]	34.07	33.37	36.12	50.44	38.66
Subbituminous	18.47	17.87	21.79	--	23.59
Lignite	13.50	11.87	15.80	--	11.46
Total Petroleum Liquids (dollars per barrel)	**20.77**	**20.35**	**21.69**	**29.73**	**19.98**
Petroleum Liquids	24.45	23.88	25.98	29.73	22.33
Residual[3]	23.81	23.32	25.08	--	23.30
Distillate[4]	30.88	32.22	29.88	29.73	30.90
Other Fuel Oil[5]	18.71	--	28.75	--	11.92
Petroleum Coke[6]	4.46	3.54	6.00	--	4.24
Total Natural Gas (dollar per Mcf)[7]	**3.65**	**3.78**	**3.63**	**3.52**	**3.46**

[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: • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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 ES3. Average Quality of Coal by State of Origin: Total (All Sectors), 2003 - 2002

State of Origin	Heat Value (Btu per pound)		Sulfur (percent by weight)		Sulfur (pounds per Million Btu)		Ash (percent by weight)	
	2003	2002[1]	2003	2002[1]	2003	2002[1]	2003	2002[1]
Alabama	12,095	12,098	1.14	1.17	.94	.96	12.80	12.24
Arizona	10,893	10,937	.50	.51	.46	.47	9.82	9.59
Colorado	11,183	11,229	.55	.50	.49	.45	9.21	8.73
Illinois	11,345	11,374	2.19	2.27	1.93	2.00	8.18	8.33
Indiana	11,162	11,114	2.18	2.22	1.95	1.99	8.69	9.04
Kansas	11,313	10,614	2.77	3.57	2.45	3.37	16.17	19.72
Kentucky	12,189	12,218	1.49	1.51	1.22	1.23	10.44	10.45
Louisiana	6,732	6,957	.87	.93	1.29	1.33	13.68	13.28
Maryland	12,373	12,265	1.40	1.68	1.13	1.37	13.22	14.60
Mississippi	5,084	5,725	.51	.54	1.01	.95	15.57	16.34
Missouri	10,675	10,732	4.95	5.69	4.64	5.30	17.55	18.51
Montana	8,920	8,986	.53	.53	.60	.59	7.05	6.76
New Mexico	9,293	9,478	.74	.72	.79	.75	19.32	19.31
North Dakota	6,535	6,523	.69	.73	1.06	1.12	9.50	9.36
Ohio	12,253	11,977	3.34	3.31	2.72	2.76	9.43	10.32
Oklahoma	11,971	12,017	2.45	2.69	2.05	2.24	15.67	16.58
Pennsylvania	11,953	12,390	2.00	1.99	1.68	1.60	13.84	11.71
Tennessee	12,573	12,877	.97	1.10	.77	.85	9.54	8.62
Texas	6,433	6,504	1.27	1.10	1.98	1.70	17.05	15.85
Utah	11,445	11,598	.58	.57	.51	.49	11.38	10.50
Virginia	12,781	12,907	.90	.98	.70	.76	10.26	9.69
Washington	7,840	7,829	1.11	1.09	1.42	1.40	15.63	19.98
West Virginia	12,325	12,380	1.25	1.28	1.02	1.03	11.26	11.08
Wyoming	8,707	8,687	.32	.32	.37	.37	5.16	5.18
Subtotal	**10,016**	**10,144**	**.96**	**.95**	**.96**	**.93**	**9.11**	**8.74**
Imported	11,884	12,055	.61	.59	.51	.49	5.57	6.02
Unclassified	10,842	8,872	1.12	1.68	1.03	1.90	8.53	21.69
Total	**10,137**	**10,168[R]**	**.97**	**.94**	**.96**	**.92**	**8.98**	**8.74**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

R = Revised.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • For 2002 the methodology for developing the heat value was modified. As a result, the heat value displayed for the U.S. Total in 2002 differs from the same value published previously in Table 4.7 of the 2004 Electric Power Annual publication. • Data for Independent Power Producers and plants in the Commercial and Industrial Sectors include fuel delivered to electric generating plants with a total fossilfueled 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), 2003 - 2002

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)
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
2002[3]							
Total Coal[1]	**884,287**	**10,168[R]**	**.94**	**.92**	**8.74**	**125**	**25.52**
Bituminous[2]	412,589	12,037	1.47	1.22	10.08	142	34.07
Subbituminous	391,785	8,778	.36	.41	6.22	105	18.47
Lignite	65,555[R]	6,488	.93	1.43	13.30	104	13.50

[1] Includes anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.
[2] Includes anthracite.
[3] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

R = Revised.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003 and 2002
(Thousand Tons)

Census Division and State	2003	2002[1]
New England	**7,941**	**7,146**
Connecticut	1,806	1,278
Maine	268	221
Massachusetts	4,378	4,132
New Hampshire	1,489	1,515
Rhode Island	--	--
Vermont	--	--
Middle Atlantic	**55,661**	**51,917**
New Jersey	4,765	3,948
New York	9,570	8,580
Pennsylvania	41,327	39,389
East North Central	**210,248**	**184,689**
Illinois	54,244	50,981
Indiana	55,854	45,285
Michigan	33,846	32,596
Ohio	43,200	32,272
Wisconsin	23,104	23,555
West North Central	**144,589**	**141,445**
Iowa	19,863	22,545
Kansas	21,438	20,982
Minnesota	20,558	18,860
Missouri	42,999	39,375
Nebraska	12,479	12,432
North Dakota	25,254	25,378
South Dakota	1,998	1,872
South Atlantic	**177,204**	**158,244**
Delaware	1,667	1,446
District of Columbia	--	--
Florida	34,303	24,122
Georgia	34,309	31,269
Maryland	11,112	11,371
North Carolina	30,053	24,848
South Carolina	13,214	14,795
Virginia	14,576	14,584
West Virginia	37,970	35,808
East South Central	**117,866**	**100,750**
Alabama	36,297	28,984
Kentucky	38,702	32,138
Mississippi	9,581	7,762
Tennessee	33,287	31,865
West South Central	**147,294**	**126,351**
Arkansas	13,763	13,728
Louisiana	13,809	16,018
Oklahoma	21,161	21,945
Texas	98,562	74,661
Mountain	**113,140**	**102,916**
Arizona	18,657	17,613
Colorado	18,904	19,080
Idaho	--	--
Montana	10,724	9,976
Nevada	7,732	7,573
New Mexico	16,514	9,718
Utah	15,330	14,699
Wyoming	25,279	24,256
Pacific Contiguous	**11,368**	**10,235**
California	1,430	1,454
Oregon	2,667	2,068
Washington	7,270	6,712
Pacific Noncontiguous	**715**	**597**
Alaska	--	--
Hawaii	715	597
U.S. Total	**986,026**	**884,287**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003 and 2002

Census Division and State	2003		2002[1]		Percent Change 2002-2003 (cents per million Btu)	Percent Change 2002-2003 (dollars per ton)
	(cents per million Btu)	(dollars per ton)	(cents per million Btu)	(dollars per ton)		
New England	**189**	**45.69**	**200**	**49.81**	**-5.10**	**-8.28**
Connecticut	W	W	W	W	W	W
Maine	W	W	241	63.32	W	W
Massachusetts	W	W	W	W	W	W
New Hampshire	170	45.16	180	47.75	-5.54	-5.42
Rhode Island	--	--	--	--	--	--
Vermont	--	--	--	--	--	--
Middle Atlantic	**134**	**32.17**	**136**	**33.45**	**-.99**	**-3.83**
New Jersey	180	46.90	187	49.22	-4.14	-4.71
New York	159	40.01	155	40.36	2.90	-.87
Pennsylvania	122	28.65	125	30.36	-2.58	-5.63
East North Central	**121**	**24.88**	**121**	**24.72**	**.20**	**.65**
Illinois	116	21.28	119	21.93	-2.19	-2.96
Indiana	W	W	W	W	W	W
Michigan	134	27.23	W	W	W	W
Ohio	121	29.47	W	W	W	W
Wisconsin	W	W	112	20.40	W	W
West North Central	**91**	**15.22**	**89**	**14.81**	**2.41**	**2.80**
Iowa	W	W	W	W	W	W
Kansas	101	17.49	98	16.85	3.23	3.80
Minnesota	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Nebraska	60	10.39	58	10.05	3.10	3.38
North Dakota	74	9.72	74	9.76	-.13	-.41
South Dakota	134	23.00	130	22.14	3.73	3.88
South Atlantic	**162**	**39.75**	**159**	**39.00**	**1.99**	**1.91**
Delaware	W	W	W	W	W	W
District of Columbia	--	--	--	--	--	--
Florida	176	43.11	176	43.21	-.37	-.23
Georgia	172	40.11	W	W	W	W
Maryland	163	41.42	163	41.83	-.26	-.98
North Carolina	178	44.31	176	43.75	1.27	1.28
South Carolina	W	W	W	W	W	W
Virginia	167	42.72	169	43.33	-1.57	-1.41
West Virginia	125	30.31	121	29.22	3.31	3.73
East South Central	**133**	**29.68**	**129**	**28.85**	**3.34**	**2.87**
Alabama	W	W	W	W	W	W
Kentucky	123	28.24	119	27.25	3.32	3.63
Mississippi	W	W	W	W	W	W
Tennessee	W	W	W	W	W	W
West South Central	**121**	**19.26**	**W**	**W**	**W**	**W**
Arkansas	120	20.94	84	14.52	42.99	44.21
Louisiana	W	W	W	W	W	W
Oklahoma	W	W	W	W	W	W
Texas	125	19.08	126	19.42	-.84	-1.75
Mountain	**107**	**20.70**	**103**	**20.17**	**3.76**	**2.64**
Arizona	W	W	W	W	W	W
Colorado	97	18.92	95	18.58	1.60	1.83
Idaho	--	--	--	--	--	--
Montana	W	W	W	W	W	W
Nevada	142	31.52	134	30.21	5.89	4.34
New Mexico	143	26.12	153	28.87	-6.76	-9.53
Utah	W	W	W	W	W	W
Wyoming	82	14.53	79	13.76	4.79	5.60
Pacific Contiguous	**W**	**W**	**W**	**W**	**W**	**W**
California	173	41.25	180	42.72	-4.14	-3.44
Oregon	125	21.33	133	23.11	-5.76	-7.70
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	**128**	**26.00**	**125**	**25.52**	**2.18**	**1.88**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 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. • 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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. • Totals may not equal sum of components because of independent rounding. • 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), 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. • 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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. • Totals may not equal sum of components because of independent rounding. • 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), 2002

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	**5,918**	**203**	**52.96**	**1,227**	**177**	**46.75**	**--**	**--**	**--**
Connecticut	1,239	--	--	39	--	--	--	--	--
Maine	209	--	--	12	--	--	--	--	--
Massachusetts	4,058	231	60.16	74	202	46.00	--	--	--
New Hampshire	412	193	50.33	1,103	176	46.79	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**46,048**	**145**	**37.58**	**5,870**	**195**	**50.43**	**--**	**--**	**--**
New Jersey	3,081	247	64.73	867	224	58.22	--	--	--
New York	7,388	144	38.31	1,192	163	42.12	--	--	--
Pennsylvania	35,579	120	30.60	3,810	126	31.69	--	--	--
East North Central	**156,584**	**118**	**24.62**	**28,105**	**123**	**27.03**	**--**	**--**	**--**
Illinois	44,965	117	22.83	6,016	115	21.25	--	--	--
Indiana	39,202	114	24.34	6,083	126	26.34	--	--	--
Michigan	28,224	131	26.49	4,372	129	27.74	--	--	--
Ohio	21,969	119	29.11	10,303	119	28.61	--	--	--
Wisconsin	22,224	108	19.42	1,332	141	27.77	--	--	--
West North Central	**124,023**	**87**	**14.39**	**17,422**	**95**	**16.80**	**--**	**--**	**--**
Iowa	21,390	86	14.72	1,155	104	19.20	--	--	--
Kansas	19,016	101	17.28	1,967	74	12.65	--	--	--
Minnesota	14,340	102	18.02	4,520	116	20.68	--	--	--
Missouri	30,952	89	15.73	8,423	91	16.15	--	--	--
Nebraska	11,184	57	9.88	1,248	67	11.55	--	--	--
North Dakota	25,377	74	9.76	1	70	10.00	--	--	--
South Dakota	1,764	131	22.37	108	109	18.44	--	--	--
South Atlantic	**122,944**	**160**	**39.63**	**35,300**	**158**	**36.85**	**--**	**--**	**--**
Delaware	1,052	--	--	394	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	17,946	174	42.59	6,176	173	42.18	--	--	--
Georgia	20,737	169	42.29	10,531	164	33.02	--	--	--
Maryland	10,515	--	--	856	--	--	--	--	--
North Carolina	21,898	174	42.95	2,950	181	45.07	--	--	--
South Carolina	9,786	158	40.41	5,010	159	39.95	--	--	--
Virginia	11,456	161	41.01	2,930	162	41.58	--	--	--
West Virginia	29,555	125	30.18	6,451	121	29.38	--	--	--
East South Central	**93,060**	**128**	**28.83**	**7,690**	**132**	**31.51**	**--**	**--**	**--**
Alabama	28,465	142	30.65	519	128	30.00	--	--	--
Kentucky	26,935	118	26.85	5,203	124	29.27	--	--	--
Mississippi	6,801	164	38.38	961	164	41.00	--	--	--
Tennessee	30,859	119	27.52	1,006	146	35.41	--	--	--
West South Central	**109,500**	**115**	**18.99**	**16,851**	**91**	**15.88**	**--**	**--**	**--**
Arkansas	3,477	100	17.21	10,251	78	13.61	--	--	--
Louisiana	16,002	129	20.27	16	--	--	--	--	--
Oklahoma	20,378	93	16.17	1,567	100	17.45	--	--	--
Texas	69,644	126	20.47	5,017	130	22.63	--	--	--
Mountain	**98,188**	**104**	**20.49**	**4,728**	**102**	**20.72**	**--**	**--**	**--**
Arizona	16,209	124	25.41	1,404	138	26.80	--	--	--
Colorado	17,028	95	18.32	2,052	99	20.68	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	9,976	61	10.29	--	--	--	--	--	--
Nevada	7,543	134	30.21	29	121	28.80	--	--	--
New Mexico	9,718	153	28.87	--	--	--	--	--	--
Utah	14,120	98	21.96	579	79	19.99	--	--	--
Wyoming	23,593	79	13.91	663	49	8.22	--	--	--
Pacific Contiguous	**8,158**	**--**	**--**	**2,077**	**133**	**23.11**	**--**	**--**	**--**
California	1,446	--	--	9	--	--	--	--	--
Oregon	--	--	--	2,068	133	23.11	--	--	--
Washington	6,712	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**596**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	596	--	--	--	--	--	--	--	--
U.S. Total	**765,019**	**120**	**24.29**	**119,268**	**129**	**27.19**	**--**	**--**	**--**

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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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), 2002 (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	**3,253**	**183**	**45.90**	**3,892**	**186**	**49.18**	**--**	**--**	**--**
Connecticut	--	--	--	1,278	--	--	--	--	--
Maine	49	--	--	172	--	--	--	--	--
Massachusetts	3,043	206	45.70	1,088	228	59.56	--	--	--
New Hampshire	161	177	45.96	1,354	181	47.97	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--
Middle Atlantic	**16,720**	**170**	**42.72**	**33,995**	**161**	**41.73**	**1,202**	**--**	**--**
New Jersey	967	240	62.93	2,981	233	60.60	--	--	--
New York	959	171	42.96	7,621	148	39.30	--	--	--
Pennsylvania	14,795	56	9.50	23,392	120	30.65	1,202	--	--
East North Central	**138,812**	**114**	**22.65**	**45,869**	**130**	**31.39**	**8**	**--**	**--**
Illinois	40,909	101	18.09	10,072	139	29.67	--	--	--
Indiana	33,134	109	22.23	12,151	132	30.84	--	--	--
Michigan	26,094	122	23.42	6,495	157	39.86	8	--	--
Ohio	17,482	127	29.90	14,790	110	27.71	--	--	--
Wisconsin	21,193	105	18.30	2,363	152	36.98	--	--	--
West North Central	**139,566**	**87**	**14.49**	**1,879**	**138**	**32.88**	**--**	**--**	**--**
Iowa	22,086	86	14.78	458	151	32.44	--	--	--
Kansas	20,982	98	16.85	--	--	--	--	--	--
Minnesota	18,845	105	18.65	15	217	55.60	--	--	--
Missouri	37,970	87	15.25	1,405	135	32.67	--	--	--
Nebraska	12,432	58	10.05	--	--	--	--	--	--
North Dakota	25,378	74	9.76	--	--	--	--	--	--
South Dakota	1,872	130	22.14	--	--	--	--	--	--
South Atlantic	**65,230**	**160**	**38.02**	**92,985**	**159**	**39.61**	**28**	**--**	**--**
Delaware	--	--	--	1,446	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	7,044	175	42.28	17,078	173	42.55	--	--	--
Georgia	21,311	165	37.23	9,958	174	43.26	--	--	--
Maryland	5,673	--	--	5,698	--	--	--	--	--
North Carolina	12,929	173	42.65	11,919	177	43.98	--	--	--
South Carolina	1,895	161	40.74	12,900	158	40.18	--	--	--
Virginia	3,525	166	42.58	10,862	159	40.68	--	--	--
West Virginia	12,853	129	30.54	23,124	120	29.53	28	--	--
East South Central	**51,129**	**127**	**27.18**	**49,620**	**130**	**30.84**	**--**	**--**	**--**
Alabama	17,913	133	27.14	11,071	154	36.37	--	--	--
Kentucky	17,788	122	27.68	14,350	115	26.70	--	--	--
Mississippi	4,565	160	37.94	3,197	167	39.43	--	--	--
Tennessee	10,864	118	24.21	21,002	121	29.43	--	--	--
West South Central	**124,857**	**110**	**18.42**	**1,494**	**101**	**17.38**	**--**	**--**	**--**
Arkansas	13,728	84	14.52	--	--	--	--	--	--
Louisiana	16,002	129	20.27	16	--	--	--	--	--
Oklahoma	21,549	93	16.25	396	114	27.54	--	--	--
Texas	73,578	127	20.73	1,083	100	16.92	--	--	--
Mountain	**81,480**	**104**	**19.53**	**21,435**	**106**	**23.99**	**--**	**--**	**--**
Arizona	17,295	123	25.22	318	184	42.00	--	--	--
Colorado	15,596	92	17.36	3,485	105	24.00	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Montana	9,976	61	10.29	--	--	--	--	--	--
Nevada	4,639	131	28.71	2,934	138	32.57	--	--	--
New Mexico	9,718	153	28.87	--	--	--	--	--	--
Utah	--	--	--	14,699	97	21.88	--	--	--
Wyoming	24,256	79	13.76	--	--	--	--	--	--
Pacific Contiguous	**8,780**	**133**	**23.11**	**1,446**	**--**	**--**	**8**	**--**	**--**
California	--	--	--	1,446	--	--	8	--	--
Oregon	2,068	133	23.11	--	--	--	--	--	--
Washington	6,712	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**596**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--
Hawaii	596	--	--	--	--	--	--	--	--
U.S. Total	**630,424**	**113**	**21.43**	**252,617**	**140**	**33.73**	**1,246**	**--**	**--**

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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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), 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2002

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	**6,736**	**12,664**	**185**	**410**	**9,402**	**--**	**--**	**--**	**--**	**7,146**	**12,477**	**200**
Connecticut	868	12,400	--	410	9,402	--	--	--	--	1,278	11,439	W
Maine	221	13,138	--	--	--	--	--	--	--	221	13,138	241
Massachusetts	4,132	12,482	224	--	--	--	--	--	--	4,132	12,482	W
New Hampshire	1,515	13,245	180	--	--	--	--	--	--	1,515	13,245	180
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**39,464**	**12,706**	**161**	**24**	**10,778**	**--**	**--**	**--**	**--**	**51,917**	**12,339**	**136**
New Jersey	3,948	13,137	233	--	--	--	--	--	--	3,948	13,137	187
New York	8,547	13,028	153	24	10,778	--	--	--	--	8,580	13,019	155
Pennsylvania	26,969	12,541	120	--	--	--	--	--	--	39,389	12,111	125
East North Central	**95,696**	**11,535**	**126**	**88,991**	**8,852**	**108**	**--**	**--**	**--**	**184,689**	**10,242**	**121**
Illinois	19,148	9,982	134	31,830	8,814	100	--	--	--	50,981	9,253	119
Indiana	30,835	11,389	116	14,450	8,893	116	--	--	--	45,285	10,593	W
Michigan	10,618	12,737	161	21,979	9,056	110	--	--	--	32,596	10,255	W
Ohio	32,206	12,151	119	65	8,524	116	--	--	--	32,272	12,143	W
Wisconsin	2,889	12,107	154	20,667	8,667	103	--	--	--	23,555	9,089	112
West North Central	**3,175**	**11,370**	**134**	**113,596**	**8,667**	**89**	**24,674**	**6,523**	**74**	**141,445**	**8,353**	**89**
Iowa	926	10,945	141	21,618	8,549	85	--	--	--	22,545	8,648	W
Kansas	398	10,599	117	20,585	8,532	98	--	--	--	20,982	8,571	98
Minnesota	19	12,713	210	18,841	8,856	105	--	--	--	18,860	8,860	W
Missouri	1,832	11,738	134	37,544	8,736	86	--	--	--	39,375	8,875	W
Nebraska	--	--	--	12,432	8,654	58	--	--	--	12,432	8,654	58
North Dakota	--	--	--	704	7,982	87	24,674	6,523	74	25,378	6,564	74
South Dakota	--	--	--	1,872	8,550	130	--	--	--	1,872	8,550	130
South Atlantic	**148,751**	**12,467**	**160**	**7,565**	**8,768**	**159**	**--**	**--**	**--**	**158,244**	**12,276**	**159**
Delaware	1,446	12,858	--	--	--	--	--	--	--	1,446	12,858	W
District of Columbia	--	--	--	--	--	--	--	--	--	--	--	--
Florida	23,724	12,316	174	367	8,797	134	--	--	--	24,122	12,263	176
Georgia	24,861	12,437	169	6,408	8,771	164	--	--	--	31,269	11,686	W
Maryland	10,080	12,764	--	--	--	--	--	--	--	11,371	12,799	163
North Carolina	24,848	12,422	175	--	--	--	--	--	--	24,848	12,422	176
South Carolina	14,795	12,698	159	--	--	--	--	--	--	14,795	12,698	W
Virginia	14,386	12,845	161	--	--	--	--	--	--	14,584	12,845	169
West Virginia	34,612	12,267	124	790	8,735	134	--	--	--	35,808	12,103	121
East South Central	**80,506**	**11,906**	**131**	**17,640**	**8,781**	**112**	**2,604**	**5,575**	**--**	**100,750**	**11,195**	**129**
Alabama	18,649	11,956	152	10,335	8,793	115	--	--	--	28,984	10,828	W
Kentucky	30,447	11,613	118	1,691	8,785	126	--	--	--	32,138	11,464	119
Mississippi	5,158	11,817	165	--	--	--	2,604	5,575	--	7,762	9,723	W
Tennessee	26,251	12,227	123	5,614	8,756	101	--	--	--	31,865	11,615	W
West South Central	**1,234**	**12,042**	**114**	**87,123**	**8,645**	**108**	**37,994**	**6,526**	**130**	**126,351**	**8,041**	**W**
Arkansas	--	--	--	13,728	8,685	84	--	--	--	13,728	8,685	84
Louisiana	16	12,500	--	12,245	8,477	124	3,756	6,829	136	16,018	8,095	W
Oklahoma	911	12,021	114	21,034	8,698	93	--	--	--	21,945	8,836	W
Texas	308	12,083	--	40,116	8,654	126	34,238	6,493	126	74,661	7,677	126
Mountain	**35,572**	**11,086**	**110**	**67,060**	**9,090**	**100**	**283**	**6,665**	**94**	**102,916**	**9,774**	**103**
Arizona	5,239	10,925	120	12,374	9,938	127	--	--	--	17,613	10,232	W
Colorado	5,742	11,045	104	13,338	9,217	90	--	--	--	19,080	9,767	95
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	9,693	8,535	60	283	6,665	94	9,976	8,482	W
Nevada	7,573	11,284	134	--	--	--	--	--	--	7,573	11,284	134
New Mexico	--	--	--	9,718	9,444	153	--	--	--	9,718	9,444	153
Utah	14,699	11,223	98	--	--	--	--	--	--	14,699	11,223	W
Wyoming	2,320	10,035	105	21,936	8,624	75	--	--	--	24,256	8,759	79
Pacific Contiguous	**1,454**	**11,854**	**--**	**8,780**	**8,174**	**133**	**--**	**--**	**--**	**10,235**	**8,697**	**W**
California	1,454	11,854	--	--	--	--	--	--	--	1,454	11,854	180
Oregon	--	--	--	2,068	8,695	133	--	--	--	2,068	8,695	133
Washington	--	--	--	6,712	8,014	--	--	--	--	6,712	8,014	W
Pacific Noncontiguous	**--**	**--**	**--**	**596**	**11,535**	**--**	**--**	**--**	**--**	**597**	**11,536**	**W**
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	596	11,535	--	--	--	--	597	11,536	W
U.S. Total	**412,589**	**12,037**	**139**	**391,785**	**8,778**	**102**	**65,555[R]**	**6,488**	**91**	**884,287**	**10,168[R]**	**125**

[1] Includes anthracite.
[2] Includes waste coal and synthetic coal not included elsewhere in this table.
R = Revised.
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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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. • For 2002 the methodology for developing the heat value was modified. As a result, the heat value displayed for the U.S. Total differs from the same value published previously in Table 4.7 of the 2004 Electric Power Annual publication. • 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), 2003 and 2002
(Thousand Barrels)

Census Division and State	2003	2002[1]
New England	**21,698**	**15,251**
Connecticut	3,712	2,552
Maine	3,373	2,096
Massachusetts	10,999	9,387
New Hampshire	3,610	1,215
Rhode Island	6	--
Vermont	--	--
Middle Atlantic	**43,329**	**20,462**
New Jersey	2,140	1,198
New York	33,654	16,018
Pennsylvania	7,536	3,246
East North Central	**5,105**	**2,630**
Illinois	1,376	222
Indiana	526	804
Michigan	1,674	1,187
Ohio	1,457	305
Wisconsin	72	112
West North Central	**1,933**	**1,150**
Iowa	100	170
Kansas	1,541	798
Minnesota	91	28
Missouri	109	95
Nebraska	16	10
North Dakota	70	49
South Dakota	6	--
South Atlantic	**69,818**	**55,273**
Delaware	2,552	2,116
District of Columbia	226	614
Florida	48,569	43,333
Georgia	638	231
Maryland	1,876	2,232
North Carolina	921	713
South Carolina	748	202
Virginia	13,758	5,395
West Virginia	529	436
East South Central	**4,745**	**464**
Alabama	367	106
Kentucky	1,055	168
Mississippi	3,061	31
Tennessee	261	160
West South Central	**6,328**	**709**
Arkansas	94	64
Louisiana	2,587	178
Oklahoma	306	10
Texas	3,340	457
Mountain	**405**	**492**
Arizona	70	76
Colorado	35	14
Idaho	--	--
Montana	82	87
Nevada	24	139
New Mexico	75	48
Utah	54	38
Wyoming	66	89
Pacific Contiguous	**998**	**170**
California	752	11
Oregon	110	15
Washington	135	144
Pacific Noncontiguous	**1,981**	**1,980**
Alaska	--	--
Hawaii	1,981	1,980
U.S. Total	**156,338**	**98,581**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003 and 2002

Census Division and State	2003		2002[1]		Percent Change 2002-2003 (cents per million Btu)	Percent Change 2002-2003 (dollars per barrel)
	(cents per million Btu)	(dollars per barrel)	(cents per million Btu)	(dollars per barrel)		
New England	**W**	**W**	**372**	**23.63**	**W**	**W**
Connecticut	542	33.41	422	26.47	28.31	26.22
Maine	556	35.08	388	24.63	43.04	42.43
Massachusetts	463	29.13	355	22.62	30.41	28.78
New Hampshire	W	W	371	23.72	W	W
Rhode Island	W	W	--	--	--	--
Vermont	--	--	--	--	--	--
Middle Atlantic	**507**	**31.77**	**W**	**W**	**W**	**W**
New Jersey	604	35.33	468	28.13	29.08	25.60
New York	W	W	W	W	W	W
Pennsylvania	W	W	W	W	W	W
East North Central	**565**	**34.35**	**351**	**21.28**	**60.99**	**61.44**
Illinois	540	33.53	524	30.92	2.94	8.44
Indiana	W	W	W	W	W	W
Michigan	W	W	320	19.82	W	W
Ohio	731	42.31	W	W	W	W
Wisconsin	W	W	W	W	W	W
West North Central	**W**	**W**	**354**	**22.54**	**W**	**W**
Iowa	635	37.09	579	33.96	9.60	9.22
Kansas	362	23.84	273	18.00	32.63	32.44
Minnesota	W	W	528	30.59	W	W
Missouri	W	W	541	31.31	W	W
Nebraska	457	26.51	555	32.16	-17.59	-17.57
North Dakota	676	39.46	573	33.43	17.98	18.04
South Dakota	804	46.65	--	--	--	--
South Atlantic	**481**	**30.46**	**381**	**24.29**	**26.27**	**25.40**
Delaware	576	35.79	406	25.38	42.06	41.02
District of Columbia	W	W	W	W	W	W
Florida	461	29.42	375	24.05	22.96	22.33
Georgia	W	W	549	31.88	W	W
Maryland	534	33.29	375	23.74	42.27	40.23
North Carolina	623	36.83	467	28.23	33.47	30.46
South Carolina	W	W	W	W	W	W
Virginia	499	31.29	380	24.10	31.15	29.83
West Virginia	725	42.77	543	28.02	33.42	52.64
East South Central	**504**	**31.64**	**W**	**W**	**W**	**W**
Alabama	W	W	W	W	W	W
Kentucky	W	W	555	32.44	W	W
Mississippi	412	26.87	428	26.23	-3.70	2.44
Tennessee	619	36.39	536	31.51	15.47	15.49
West South Central	**539**	**32.98**	**W**	**W**	**W**	**W**
Arkansas	646	38.09	550	32.51	17.36	17.16
Louisiana	W	W	W	W	W	W
Oklahoma	548	32.73	484	28.89	13.27	13.29
Texas	W	W	W	W	W	W
Mountain	**744**	**42.77**	**W**	**W**	**W**	**W**
Arizona	W	W	W	W	W	W
Colorado	W	W	705	37.71	W	W
Idaho	--	--	--	--	--	--
Montana	W	W	W	W	W	W
Nevada	601	34.95	600	35.07	.08	-.34
New Mexico	W	W	614	35.07	W	W
Utah	722	42.31	556	32.68	29.80	29.47
Wyoming	714	41.89	553	32.39	29.19	29.33
Pacific Contiguous	**W**	**W**	**W**	**W**	**W**	**W**
California	W	W	W	W	W	W
Oregon	787	45.80	572	33.65	37.59	36.11
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	**494**	**31.02**	**387**	**24.45**	**27.86**	**26.87**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2002

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)
New England	**39**	--	--	**188**	**529**	**30.58**	--	--	--	**226**	**529**	**30.58**
Connecticut	33	--	--	54	--	--	--	--	--	87	--	--
Maine	6	--	--	42	--	--	--	--	--	48	--	--
Massachusetts	--	--	--	57	564	32.48	--	--	--	57	564	32.48
New Hampshire	--	--	--	35	521	30.17	--	--	--	35	521	30.17
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**1,874**	**541**	**31.60**	**1,243**	**581**	**32.83**	--	--	--	**3,117**	**553**	**31.96**
New Jersey	40	535	31.22	534	581	32.83	--	--	--	575	549	31.73
New York	1,476	--	--	137	--	--	--	--	--	1,613	--	--
Pennsylvania	358	607	35.93	572	--	--	--	--	--	929	607	35.93
East North Central	**237**	**530**	**30.93**	**920**	**533**	**30.94**	--	--	--	**1,157**	**533**	**30.94**
Illinois	97	658	37.51	70	558	32.26	--	--	--	167	564	32.59
Indiana	6	568	33.26	188	550	31.70	--	--	--	194	551	31.74
Michigan	4	610	35.37	376	512	29.77	--	--	--	380	513	29.83
Ohio	127	522	30.47	178	538	31.29	--	--	--	305	529	30.87
Wisconsin	4	559	32.89	107	575	33.80	--	--	--	111	574	33.76
West North Central	**28**	**575**	**33.33**	**393**	**560**	**32.66**	--	--	--	**420**	**561**	**32.70**
Iowa	--	--	--	170	579	33.96	--	--	--	170	579	33.96
Kansas	--	--	--	68	551	31.89	--	--	--	68	551	31.89
Minnesota	--	--	--	28	528	30.59	--	--	--	28	528	30.59
Missouri	1	622	36.83	94	541	31.27	--	--	--	95	541	31.31
Nebraska	2	610	35.38	8	538	31.17	--	--	--	10	555	32.16
North Dakota	24	570	33.03	25	575	33.82	--	--	--	49	573	33.43
South Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**2,225**	**533**	**30.98**	**1,267**	**601**	**35.10**	**77**	--	--	**3,569**	**557**	**32.44**
Delaware	116	--	--	192	515	30.00	77	--	--	384	515	30.00
District of Columbia	614	--	--	--	--	--	--	--	--	614	--	--
Florida	671	551	31.99	256	732	42.66	--	--	--	927	581	33.71
Georgia	136	530	30.84	94	562	32.70	--	--	--	231	541	31.48
Maryland	166	--	--	49	--	--	--	--	--	214	--	--
North Carolina	362	500	29.07	34	433	25.15	--	--	--	396	499	29.01
South Carolina	86	529	30.66	--	--	--	--	--	--	86	529	30.66
Virginia	2	--	--	329	566	33.22	--	--	--	332	566	33.22
West Virginia	72	577	33.85	313	588	34.36	--	--	--	385	586	34.29
East South Central	**305**	**529**	**30.96**	**148**	**569**	**33.20**	--	--	--	**453**	**541**	**31.61**
Alabama	71	507	29.65	34	609	33.39	--	--	--	106	520	30.17
Kentucky	68	536	31.11	100	568	33.34	--	--	--	168	555	32.44
Mississippi	7	519	30.42	14	542	31.97	--	--	--	20	534	31.46
Tennessee	160	536	31.51	--	--	--	--	--	--	160	536	31.51
West South Central	**39**	**506**	**28.93**	**308**	**532**	**31.71**	--	--	--	**347**	**532**	**31.71**
Arkansas	--	--	--	64	550	32.51	--	--	--	64	550	32.51
Louisiana	39	--	--	48	559	34.00	--	--	--	87	559	34.00
Oklahoma	--	--	--	10	484	28.89	--	--	--	10	484	28.89
Texas	*	506	28.93	185	453	26.62	--	--	--	185	453	26.62
Mountain	**248**	**602**	**35.08**	**236**	**589**	**34.38**	--	--	--	**484**	**596**	**34.75**
Arizona	--	--	--	76	674	39.44	--	--	--	76	674	39.44
Colorado	11	729	37.96	3	634	36.91	--	--	--	14	705	37.71
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	72	579	34.28	7	--	--	--	--	--	78	579	34.28
Nevada	139	600	35.07	--	--	--	--	--	--	139	600	35.07
New Mexico	--	--	--	48	614	35.07	--	--	--	48	614	35.07
Utah	--	--	--	38	556	32.68	--	--	--	38	556	32.68
Wyoming	26	613	35.48	63	529	31.10	--	--	--	89	553	32.39
Pacific Contiguous	--	--	--	**27**	**572**	**33.65**	*	--	--	**27**	**572**	**33.65**
California	--	--	--	10	--	--	--	--	--	10	--	--
Oregon	--	--	--	15	572	33.65	--	--	--	15	572	33.65
Washington	--	--	--	2	--	--	*	--	--	2	--	--
Pacific Noncontiguous	**16**	--	--	**4**	--	--	--	--	--	**20**	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	16	--	--	4	--	--	--	--	--	20	--	--
U.S. Total	**5,009**	**542**	**31.56**	**4,735**	**561**	**32.72**	**77**	--	--	**9,821**	**553**	**32.22**

* = 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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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), 2003

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ per bbl)	Receipts (1,000 barrels)	Cost (cents per million Btu)	Cost ($ 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 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2002

Census Division and State	Contract			Spot			Unclassified/Other			Total		
		Cost			Cost			Cost			Cost	
	Receipts (1,000 barrels)	(cents per million Btu)	($ per bbl)	Receipts (1,000 barrels)	(cents per million Btu)	($ per bbl)	Receipts (1,000 barrels)	(cents per million Btu)	($ per bbl)	Receipts (1,000 barrels)	(cents per million Btu)	($ per bbl)
New England	**7,266**	--	--	**7,716**	**367**	**23.58**	--	--	--	**14,982**	**367**	**23.59**
Connecticut	670	--	--	1,771	--	--	--	--	--	2,441	--	--
Maine	1,179	--	--	870	--	--	--	--	--	2,049	--	--
Massachusetts	5,417	--	--	3,895	425	27.07	--	--	--	9,312	425	27.07
New Hampshire	--	--	--	1,181	367	23.53	--	--	--	1,181	367	23.53
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**10,854**	**354**	**22.69**	**6,143**	**304**	**19.29**	--	--	--	**16,996**	**349**	**22.34**
New Jersey	138	341	21.46	305	426	27.14	--	--	--	443	396	25.10
New York	10,715	354	22.71	3,521	270	17.12	--	--	--	14,236	347	22.24
Pennsylvania	--	--	--	2,317	--	--	--	--	--	2,317	--	--
East North Central	--	--	--	**881**	**238**	**15.21**	--	--	--	**881**	**238**	**15.21**
Illinois	--	--	--	55	285	18.14	--	--	--	55	285	18.14
Indiana	--	--	--	19	--	--	--	--	--	19	--	--
Michigan	--	--	--	807	237	15.11	--	--	--	807	237	15.11
Ohio	--	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	--	--	--	--	--	--	--	--	--	--	--	--
West North Central	--	--	--	**730**	**250**	**16.70**	--	--	--	**730**	**250**	**16.70**
Iowa	--	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	730	250	16.70	--	--	--	730	250	16.70
Minnesota	--	--	--	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**29,467**	**357**	**23.04**	**22,144**	**391**	**24.86**	--	--	--	**51,611**	**371**	**23.80**
Delaware	--	--	--	1,731	384	24.56	--	--	--	1,731	384	24.56
District of Columbia	--	--	--	--	--	--	--	--	--	--	--	--
Florida	26,951	357	23.04	15,450	396	25.23	--	--	--	42,401	370	23.80
Georgia	--	--	--	--	--	--	--	--	--	--	--	--
Maryland	1,822	--	--	108	--	--	--	--	--	1,930	--	--
North Carolina	317	--	--	--	--	--	--	--	--	317	--	--
South Carolina	--	--	--	116	--	--	--	--	--	116	--	--
Virginia	329	--	--	4,734	373	23.78	--	--	--	5,063	373	23.78
West Virginia	47	--	--	4	--	--	--	--	--	51	--	--
East South Central	--	--	--	**11**	**250**	**16.45**	--	--	--	**11**	**250**	**16.45**
Alabama	--	--	--	--	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	11	250	16.45	--	--	--	11	250	16.45
Tennessee	--	--	--	--	--	--	--	--	--	--	--	--
West South Central	--	--	--	**362**	**203**	**13.28**	--	--	--	**362**	**203**	**13.28**
Arkansas	--	--	--	--	--	--	--	--	--	--	--	--
Louisiana	--	--	--	90	203	13.28	--	--	--	90	203	13.28
Oklahoma	--	--	--	--	--	--	--	--	--	--	--	--
Texas	--	--	--	272	--	--	--	--	--	272	--	--
Mountain	--	--	--	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	**1**	**592**	**36.98**	--	--	--	**1**	**592**	**36.98**
California	--	--	--	1	592	36.98	--	--	--	1	592	36.98
Oregon	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	**1,957**	--	--	--	--	--	--	--	--	**1,957**	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	1,957	--	--	--	--	--	--	--	--	1,957	--	--
U.S. Total	**49,544**	**356**	**22.95**	**37,987**	**375**	**23.90**	--	--	--	**87,531**	**363**	**23.32**

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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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), 2003 and 2002

Census Division and State	2003		2002[1]	
	Thousand Tons	Thousand Barrels	Thousand Tons	Thousand Barrels
New England	--	--	--	--
Connecticut	--	--	--	--
Maine	--	--	--	--
Massachusetts	--	--	--	--
New Hampshire	--	--	--	--
Rhode Island	--	--	--	--
Vermont	--	--	--	--
Middle Atlantic	**337**	**1,683**	**266**	**1,331**
New Jersey	--	--	--	--
New York	57	284	259	1,297
Pennsylvania	280	1,399	7	35
East North Central	**493**	**2,467**	**483**	**2,413**
Illinois	--	--	--	--
Indiana	89	447	88	440
Michigan	66	329	65	326
Ohio	--	--	--	--
Wisconsin	338	1,691	329	1,647
West North Central	**284**	**1,420**	**358**	**1,789**
Iowa	--	--	--	--
Kansas	--	--	--	--
Minnesota	259	1,295	208	1,039
Missouri	25	125	150	750
Nebraska	--	--	--	--
North Dakota	--	--	--	--
South Dakota	--	--	--	--
South Atlantic	**2,860**	**14,298**	**1,900**	**9,499**
Delaware	--	--	--	--
District of Columbia	--	--	--	--
Florida	2,532	12,660	1,900	9,499
Georgia	312	1,558	--	--
Maryland	--	--	--	--
North Carolina	--	--	--	--
South Carolina	16	80	--	--
Virginia	--	--	--	--
West Virginia	--	--	--	--
East South Central	**733**	**3,665**	**8**	**39**
Alabama	--	--	--	--
Kentucky	733	3,665	8	39
Mississippi	--	--	--	--
Tennessee	--	--	--	--
West South Central	**934**	**4,672**	**1,249**	**6,246**
Arkansas	--	--	--	--
Louisiana	667	3,334	691	3,457
Oklahoma	--	--	--	--
Texas	268	1,338	558	2,789
Mountain	**--**	**--**	**33**	**165**
Arizona	--	--	--	--
Colorado	--	--	--	--
Idaho	--	--	--	--
Montana	--	--	33	165
Nevada	--	--	--	--
New Mexico	--	--	--	--
Utah	--	--	--	--
Wyoming	--	--	--	--
Pacific Contiguous	**205**	**1,025**	**158**	**788**
California	205	1,025	158	788
Oregon	--	--	--	--
Washington	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**
Alaska	--	--	--	--
Hawaii	--	--	--	--
U.S. Total	**5,846**	**29,229**	**4,454**	**22,270**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003 and 2002

Census Division and State	2003		2002[1]		Percent Change 2002-2003 (cents per million Btu)	Percent Change 2002-2003 (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	**80**	**21.31**	**W**	**W**	**W**	**W**
New Jersey	--	--	--	--	--	--
New York	W	W	W	W	W	W
Pennsylvania	W	W	W	W	W	W
East North Central	**W**	**W**	**W**	**W**	**W**	**W**
Illinois	--	--	--	--	--	--
Indiana	92	25.91	86	23.75	7.37	9.09
Michigan	94	26.49	91	25.78	3.48	2.75
Ohio	--	--	--	--	--	--
Wisconsin	W	W	W	W	W	W
West North Central	**50**	**14.12**	**54**	**15.12**	**-6.57**	**-6.59**
Iowa	--	--	--	--	--	--
Kansas	--	--	--	--	--	--
Minnesota	49	13.62	47	12.94	3.96	5.26
Missouri	67	19.35	63	18.14	5.27	6.67
Nebraska	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--
South Atlantic	**W**	**W**	**61**	**17.26**	**W**	**W**
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	75	21.41	61	17.26	24.14	24.04
Georgia	W	W	--	--	--	--
Maryland	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--
South Carolina	70	19.85	--	--	--	--
Virginia	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--
East South Central	**W**	**W**	**57**	**15.75**	**W**	**W**
Alabama	--	--	--	--	--	--
Kentucky	W	W	57	15.75	W	W
Mississippi	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--
West South Central	**39**	**11.39**	**W**	**W**	**W**	**W**
Arkansas	--	--	--	--	--	--
Louisiana	W	W	W	W	W	W
Oklahoma	--	--	--	--	--	--
Texas	W	W	W	W	W	W
Mountain	**--**	**--**	**W**	**W**	**--**	**--**
Arizona	--	--	--	--	--	--
Colorado	--	--	--	--	--	--
Idaho	--	--	--	--	--	--
Montana	--	--	W	W	--	--
Nevada	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--
Utah	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--
Pacific Contiguous	**W**	**W**	**W**	**W**	**W**	**W**
California	W	W	W	W	W	W
Oregon	--	--	--	--	--	--
Washington	--	--	--	--	--	--
Pacific Noncontiguous	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--
U.S. Total	**72**	**20.39**	**78**	**22.32**	**-7.66**	**-8.65**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ per ton)	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ per ton)	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ per ton)	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2002

Census Division and State	Contract			Spot			Unclassified/Other			Total		
	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ per ton)	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ per ton)	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ per ton)	Receipts (1,000 tons)	Cost (cents per million Btu)	Cost ($ per ton)
New England	--	--	--	--	--	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**152**	--	--	**114**	--	--	--	--	--	**266**	**W**	**W**
New Jersey	--	--	--	--	--	--	--	--	--	--	--	--
New York	152	--	--	107	--	--	--	--	--	259	W	W
Pennsylvania	--	--	--	7	--	--	--	--	--	7	W	W
East North Central	**226**	**86**	**23.75**	**256**	**84**	**23.75**	--	--	--	**483**	**W**	**W**
Illinois	--	--	--	--	--	--	--	--	--	--	--	--
Indiana	88	86	23.75	--	--	--	--	--	--	88	86	23.75
Michigan	--	--	--	65	91	25.77	--	--	--	65	91	25.78
Ohio	--	--	--	--	--	--	--	--	--	--	--	--
Wisconsin	138	--	--	191	82	23.06	--	--	--	329	W	W
West North Central	**208**	**47**	**12.94**	**150**	**63**	**18.14**	--	--	--	**358**	**54**	**15.12**
Iowa	--	--	--	--	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--	--	--	--
Minnesota	208	47	12.94	--	--	--	--	--	--	208	47	12.94
Missouri	--	--	--	150	63	18.14	--	--	--	150	63	18.14
Nebraska	--	--	--	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**173**	**57**	**16.33**	**1,727**	**61**	**17.35**	--	--	--	**1,900**	**61**	**17.26**
Delaware	--	--	--	--	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--	--	--	--
Florida	173	57	16.33	1,727	61	17.35	--	--	--	1,900	61	17.26
Georgia	--	--	--	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--	--	--	--
East South Central	**3**	**57**	**15.75**	**5**	**57**	**15.75**	--	--	--	**8**	**57**	**15.75**
Alabama	--	--	--	--	--	--	--	--	--	--	--	--
Kentucky	3	57	15.75	5	57	15.75	--	--	--	8	57	15.75
Mississippi	--	--	--	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--	--	--	--
West South Central	**1,249**	**50**	**13.90**	--	--	--	--	--	--	**1,249**	**W**	**W**
Arkansas	--	--	--	--	--	--	--	--	--	--	--	--
Louisiana	691	--	--	--	--	--	--	--	--	691	W	W
Oklahoma	--	--	--	--	--	--	--	--	--	--	--	--
Texas	558	50	13.90	--	--	--	--	--	--	558	W	W
Mountain	**33**	**31**	**8.99**	--	--	--	--	--	--	**33**	**W**	**W**
Arizona	--	--	--	--	--	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	33	31	8.99	--	--	--	--	--	--	33	W	W
Nevada	--	--	--	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Contiguous	**152**	--	--	--	--	--	**6**	--	--	**158**	**W**	**W**
California	152	--	--	--	--	--	6	--	--	158	W	W
Oregon	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--	--
U.S. Total	**2,197**	**56**	**15.75**	**2,251**	**64**	**18.17**	**6**	--	--	**4,454**	**78**	**22.32**

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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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. • Totals may not equal sum of components because of independent rounding. • 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), 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2002

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	**226**	**137,557**	**529**	**14,982**	**151,520**	**367**	**15,251**	**151,264**	**372**	**--**	**--**	**--**
Connecticut	87	138,529	--	2,441	149,705	--	2,552	149,169	422	--	--	--
Maine	48	136,326	--	2,049	151,300	--	2,096	150,960	388	--	--	--
Massachusetts	57	136,962	564	9,312	151,879	425	9,387	151,755	355	--	--	--
New Hampshire	35	137,800	521	1,181	152,829	367	1,215	152,400	371	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--	--	--
Middle Atlantic	**3,117**	**138,838**	**553**	**16,996**	**151,904**	**349**	**20,462**	**149,476**	**W**	**266**	**14,052**	**W**
New Jersey	575	144,417	549	443	150,983	396	1,198	143,162	468	--	--	--
New York	1,613	138,836	--	14,236	152,174	347	16,018	150,629	W	259	14,055	W
Pennsylvania	929	135,393	607	2,317	150,421	--	3,246	146,119	W	7	13,935	W
East North Central	**1,157**	**134,609**	**533**	**881**	**151,833**	**238**	**2,630**	**144,385**	**351**	**483**	**14,004**	**W**
Illinois	167	136,681	564	55	151,455	285	222	140,345	524	--	--	--
Indiana	194	137,188	551	19	150,000	--	804	148,693	W	88	13,873	86
Michigan	380	138,336	513	807	151,902	237	1,187	147,557	320	65	14,206	91
Ohio	305	125,426	529	--	--	--	305	125,426	W	--	--	--
Wisconsin	111	139,460	574	--	--	--	112	139,445	W	329	13,999	W
West North Central	**420**	**138,687**	**561**	**730**	**159,000**	**250**	**1,150**	**151,579**	**354**	**358**	**13,990**	**54**
Iowa	170	139,667	579	--	--	--	170	139,667	579	--	--	--
Kansas	68	137,848	551	730	159,000	250	798	157,186	273	--	--	--
Minnesota	28	137,883	528	--	--	--	28	137,883	528	208	13,765	47
Missouri	95	137,698	541	--	--	--	95	137,698	541	150	14,303	63
Nebraska	10	138,043	555	--	--	--	10	138,043	555	--	--	--
North Dakota	49	138,955	573	--	--	--	49	138,955	573	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--	--	--	--
South Atlantic	**3,569**	**137,261**	**557**	**51,611**	**152,693**	**371**	**55,273**	**151,588**	**381**	**1,900**	**14,193**	**61**
Delaware	384	137,845	515	1,731	151,433	384	2,116	148,964	406	--	--	--
District of Columbia	614	142,114	--	--	--	--	614	142,114	W	--	--	--
Florida	927	138,498	581	42,401	152,929	370	43,333	152,633	375	1,900	14,193	61
Georgia	231	138,348	541	--	--	--	231	138,348	549	--	--	--
Maryland	214	145,817	--	1,930	151,721	--	2,232	150,717	375	--	--	--
North Carolina	396	138,250	499	317	151,395	--	713	144,098	467	--	--	--
South Carolina	86	137,924	529	116	150,793	--	202	145,331	W	--	--	--
Virginia	332	137,445	566	5,063	151,674	373	5,395	149,779	380	--	--	--
West Virginia	385	119,236	586	51	150,000	--	436	122,840	543	--	--	--
East South Central	**453**	**139,768**	**541**	**11**	**156,817**	**250**	**464**	**140,165**	**W**	**8**	**13,812**	**57**
Alabama	106	140,588	520	--	--	--	106	140,588	W	--	--	--
Kentucky	168	139,074	555	--	--	--	168	139,074	555	8	13,812	57
Mississippi	20	140,188	534	11	156,817	250	31	145,986	428	--	--	--
Tennessee	160	139,900	536	--	--	--	160	139,900	536	--	--	--
West South Central	**347**	**139,273**	**532**	**362**	**150,221**	**203**	**709**	**144,858**	**W**	**1,249**	**14,686**	**W**
Arkansas	64	140,726	550	--	--	--	64	140,726	550	--	--	--
Louisiana	87	142,419	559	90	150,888	203	178	146,717	W	691	14,707	W
Oklahoma	10	142,181	484	--	--	--	10	142,181	484	--	--	--
Texas	185	137,121	453	272	150,000	--	457	144,776	W	558	14,659	W
Mountain	**484**	**138,950**	**596**	**--**	**--**	**--**	**492**	**138,117**	**W**	**33**	**14,461**	**W**
Arizona	76	139,567	674	--	--	--	76	139,567	W	--	--	--
Colorado	14	127,436	705	--	--	--	14	127,436	705	--	--	--
Idaho	--	--	--	--	--	--	--	--	--	--	--	--
Montana	78	140,988	579	--	--	--	87	136,060	W	33	14,461	W
Nevada	139	139,110	600	--	--	--	139	139,110	600	--	--	--
New Mexico	48	136,000	614	--	--	--	48	136,000	614	--	--	--
Utah	38	139,821	556	--	--	--	38	139,821	556	--	--	--
Wyoming	89	139,448	553	--	--	--	89	139,448	553	--	--	--
Pacific Contiguous	**27**	**138,534**	**572**	**1**	**148,800**	**592**	**170**	**137,341**	**W**	**158**	**14,487**	**W**
California	10	136,190	--	1	148,800	592	11	136,895	W	158	14,487	W
Oregon	15	140,000	572	--	--	--	15	140,000	572	--	--	--
Washington	2	139,524	--	--	--	--	144	137,098	W	--	--	--
Pacific Noncontiguous	**20**	**131,488**	**--**	**1,957**	**139,498**	**--**	**1,980**	**139,410**	**W**	**--**	**--**	**--**
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	20	131,488	--	1,957	139,498	--	1,980	139,410	W	--	--	--
U.S. Total	**9,821**	**137,779**	**553**	**87,531**	**152,119**	**363**	**98,581**	**150,552**	**387**	**4,454**	**14,298**	**78**

[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.

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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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), 2003 and 2002

(Thousand Mcf)

Census Division and State	2003	2002[1]
New England	**381,011**	**345,091**
Connecticut	43,766	58,457
Maine	73,955	89,850
Massachusetts	171,799	128,388
New Hampshire	31,472	963
Rhode Island	60,020	67,417
Vermont	--	17
Middle Atlantic	**407,304**	**529,360**
New Jersey	125,972	148,497
New York	228,728	322,176
Pennsylvania	52,604	58,687
East North Central	**202,784**	**255,836**
Illinois	47,804	82,380
Indiana	27,525	16,200
Michigan	100,467	126,426
Ohio	7,985	12,377
Wisconsin	19,002	18,452
West North Central	**40,368**	**48,155**
Iowa	2,444	3,418
Kansas	9,617	14,573
Minnesota	11,350	8,930
Missouri	16,094	19,263
Nebraska	863	1,970
North Dakota	*	*
South Dakota	--	--
South Atlantic	**572,945**	**602,298**
Delaware	12,639	15,928
District of Columbia	--	--
Florida	466,940	434,145
Georgia	31,957	62,406
Maryland	8,626	21,096
North Carolina	3,273	22,994
South Carolina	5,420	4,773
Virginia	38,659	35,217
West Virginia	5,431	5,739
East South Central	**163,097**	**247,296**
Alabama	89,180	86,893
Kentucky	1,330	6,597
Mississippi	71,878	150,648
Tennessee	708	3,157
West South Central	**2,490,697**	**2,405,025**
Arkansas	56,956	37,188
Louisiana	450,215	509,001
Oklahoma	189,051	175,457
Texas	1,794,475	1,683,379
Mountain	**415,049**	**345,976**
Arizona	189,240	123,700
Colorado	73,849	75,799
Idaho	7,552	6,738
Montana	18	23
Nevada	106,625	95,571
New Mexico	32,965	34,113
Utah	2,491	6,023
Wyoming	2,309	4,008
Pacific Contiguous	**808,529**	**803,263**
California	686,540	704,391
Oregon	83,229	67,176
Washington	38,760	31,696
Pacific Noncontiguous	**18,919**	**25,438**
Alaska	18,919	25,438
Hawaii	--	--
U.S. Total	**5,500,704**	**5,607,737**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

* = 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003 and 2002

Census Division and State	2003		2002[1]		Percent Change 2002-2003 (cents per million Btu)	Percent Change 2002-2003 (dollars per Mcf)
	(cents per million Btu)	(dollars per Mcf)	(cents per million Btu)	(dollars per Mcf)		
New England	**579**	**5.99**	**389**	**4.01**	**48.82**	**49.44**
Connecticut	W	W	392	3.98	W	W
Maine	584	6.09	391	4.08	49.32	49.26
Massachusetts	534	5.51	351	3.60	52.08	53.06
New Hampshire	W	W	388	4.08	W	W
Rhode Island	650	6.72	455	4.70	42.79	42.98
Vermont	--	--	384	3.86	--	--
Middle Atlantic	**612**	**6.30**	**399**	**4.09**	**53.28**	**53.98**
New Jersey	620	6.42	404	4.19	53.21	53.22
New York	605	6.20	399	4.06	51.74	52.71
Pennsylvania	625	6.48	390	4.04	60.23	60.40
East North Central	**487**	**4.94**	**348**	**3.53**	**39.67**	**39.80**
Illinois	567	5.76	343	3.50	65.54	64.57
Indiana	616	6.24	324	3.29	90.37	89.67
Michigan	386	3.92	352	3.55	9.68	10.42
Ohio	598	6.20	375	3.86	59.57	60.62
Wisconsin	582	5.83	354	3.54	64.49	64.69
West North Central	**W**	**W**	**338**	**3.41**	**W**	**W**
Iowa	593	5.96	W	W	W	W
Kansas	530	5.37	309	3.11	71.15	72.67
Minnesota	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Nebraska	564	5.63	417	4.17	35.29	35.01
North Dakota	744	7.67	248	2.54	200.25	201.97
South Dakota	--	--	--	--	--	--
South Atlantic	**574**	**5.98**	**391**	**4.05**	**46.87**	**47.63**
Delaware	W	W	W	W	W	W
District of Columbia	--	--	--	--	--	--
Florida	573	5.97	397	4.11	44.51	45.26
Georgia	572	5.92	362	3.74	57.82	58.29
Maryland	537	5.62	416	4.31	28.97	30.39
North Carolina	560	5.78	344	3.52	62.95	64.20
South Carolina	W	W	W	W	W	W
Virginia	618	6.39	413	4.28	49.39	49.30
West Virginia	633	6.48	385	3.95	64.16	64.05
East South Central	**560**	**5.81**	**346**	**3.57**	**61.94**	**62.72**
Alabama	561	5.83	346	3.59	62.42	62.40
Kentucky	658	6.69	351	3.52	87.29	90.06
Mississippi	557	5.77	346	3.57	60.65	61.62
Tennessee	620	6.35	323	3.30	92.09	92.42
West South Central	**533**	**5.48**	**335**	**3.44**	**58.96**	**59.64**
Arkansas	423	4.37	351	3.59	20.49	21.73
Louisiana	561	5.80	342	3.54	63.91	63.84
Oklahoma	542	5.59	344	3.54	57.52	57.91
Texas	528	5.43	332	3.39	59.24	60.18
Mountain	**W**	**W**	**W**	**W**	**W**	**W**
Arizona	506	5.16	320	3.27	58.08	57.80
Colorado	430	4.42	246	2.53	74.57	74.70
Idaho	W	W	W	W	W	W
Montana	W	W	W	W	W	W
Nevada	511	5.31	438	4.53	16.47	17.22
New Mexico	W	W	304	3.03	W	W
Utah	W	W	W	W	W	W
Wyoming	W	W	W	W	W	W
Pacific Contiguous	**521**	**5.33**	**368**	**3.75**	**41.57**	**42.31**
California	537	5.50	372	3.79	44.22	45.12
Oregon	437	4.46	328	3.35	33.08	33.13
Washington	415	4.27	354	3.66	17.26	16.67
Pacific Noncontiguous	**229**	**2.29**	**W**	**W**	**W**	**W**
Alaska	229	2.29	W	W	W	W
Hawaii	--	--	--	--	--	--
U.S. Total	**539**	**5.55**	**356**	**3.65**	**51.51**	**52.05**

[1] Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423.

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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2003

Census Division and State	Firm			Interruptible			Spot		
	Receipts (1,000 Mcf)	Cost (cents per million Btu)	Cost ($ per Mcf)	Receipts (1,000 Mcf)	Cost (cents per million Btu)	Cost ($ per Mcf)	Receipts (1,000 Mcf)	Cost (cents per million Btu)	Cost ($ 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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), 2002

Census Division and State	Firm			Interruptible			Spot		
	Receipts (1,000 Mcf)	Cost (cents per million Btu)	Cost ($ per Mcf)	Receipts (1,000 Mcf)	Cost (cents per million Btu)	Cost ($ per Mcf)	Receipts (1,000 Mcf)	Cost (cents per million Btu)	Cost ($ per Mcf)
New England	**209,806**	**--**	**--**	**2,661**	**391**	**4.02**	**132,624**	**397**	**4.12**
Connecticut	23,165	--	--	--	--	--	35,292	--	--
Maine	63,677	--	--	--	--	--	26,173	--	--
Massachusetts	55,548	--	--	2,661	391	4.02	70,179	403	4.16
New Hampshire	--	--	--	--	--	--	963	388	4.08
Rhode Island	67,417	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	17	384	3.86
Middle Atlantic	**193,747**	**385**	**3.86**	**71,039**	**368**	**3.79**	**264,571**	**383**	**3.90**
New Jersey	67,146	--	--	51,046	--	--	30,305	--	--
New York	113,919	385	3.86	19,210	368	3.79	189,047	383	3.90
Pennsylvania	12,682	--	--	783	--	--	45,219	--	--
East North Central	**91,609**	**394**	**3.98**	**32,445**	**349**	**3.54**	**131,769**	**417**	**4.25**
Illinois	14,242	--	--	13,429	343	3.53	54,709	--	--
Indiana	4,369	--	--	1,833	379	3.85	9,999	--	--
Michigan	64,290	394	3.98	11,992	339	3.42	50,143	413	4.21
Ohio	95	395	4.05	2,281	--	--	10,001	582	5.96
Wisconsin	8,613	--	--	2,910	378	3.80	6,917	383	3.83
West North Central	**19,088**	**336**	**3.43**	**23,837**	**337**	**3.38**	**5,230**	**366**	**3.66**
Iowa	267	399	4.03	918	390	3.93	2,234	383	3.83
Kansas	--	--	--	14,115	308	3.09	459	345	3.46
Minnesota	5,630	491	4.96	2,672	397	3.99	628	334	3.34
Missouri	12,397	329	3.37	4,956	348	3.50	1,910	342	3.44
Nebraska	794	357	3.57	1,176	457	4.58	--	--	--
North Dakota	--	--	--	*	248	2.54	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
South Atlantic	**419,612**	**407**	**4.22**	**63,791**	**374**	**3.88**	**118,895**	**456**	**4.61**
Delaware	13,836	407	4.20	2,093	345	3.56	--	--	--
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	362,190	407	4.22	27,014	369	3.84	44,941	447	4.48
Georgia	7,933	--	--	8,622	302	3.10	45,850	375	3.84
Maryland	6,018	--	--	2,213	--	--	12,864	--	--
North Carolina	15,247	--	--	6,845	421	4.37	901	--	--
South Carolina	3,756	--	--	37	502	5.16	981	--	--
Virginia	7,389	--	--	15,863	--	--	11,965	478	4.92
West Virginia	3,244	--	--	1,104	453	4.53	1,392	--	--
East South Central	**47,711**	**327**	**3.39**	**57,383**	**354**	**3.69**	**142,113**	**353**	**3.63**
Alabama	28,843	323	3.35	55,863	354	3.69	2,187	304	3.15
Kentucky	--	--	--	--	--	--	6,597	425	4.34
Mississippi	16,864	340	3.52	367	--	--	133,328	353	3.63
Tennessee	2,003	--	--	1,154	--	--	--	--	--
West South Central	**1,211,919**	**356**	**3.68**	**86,685**	**326**	**3.35**	**1,106,421**	**346**	**3.57**
Arkansas	3,243	--	--	--	--	--	33,945	353	3.60
Louisiana	233,245	340	3.55	39,535	343	3.55	236,221	355	3.68
Oklahoma	83,431	361	3.74	163	354	3.55	91,864	339	3.48
Texas	891,999	342	3.49	46,988	295	2.99	744,392	339	3.50
Mountain	**155,859**	**345**	**3.47**	**42,288**	**287**	**2.92**	**147,829**	**469**	**4.81**
Arizona	54,640	304	3.10	21,136	291	2.95	47,924	376	3.86
Colorado	55,428	266	2.64	2,271	222	2.20	18,100	--	--
Idaho	6,738	--	--	--	--	--	--	--	--
Montana	--	--	--	13	431	4.82	11	--	--
Nevada	36,691	523	5.36	--	--	--	58,881	558	5.74
New Mexico	2,157	360	3.66	18,868	293	2.99	13,087	349	3.54
Utah	--	--	--	--	--	--	6,023	455	4.82
Wyoming	204	414	4.38	--	--	--	3,803	--	--
Pacific Contiguous	**447,041**	**532**	**5.33**	**84,481**	**445**	**4.55**	**271,681**	**336**	**3.41**
California	363,363	532	5.33	84,481	445	4.55	256,547	344	3.49
Oregon	54,365	--	--	--	--	--	12,750	295	3.01
Washington	29,313	--	--	--	--	--	2,383	--	--
Pacific Noncontiguous	**25,438**	**222**	**2.22**	**--**	**--**	**--**	**--**	**--**	**--**
Alaska	25,438	222	2.22	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
U.S. Total	**2,821,830**	**384**	**3.95**	**464,610**	**340**	**3.49**	**2,321,134**	**363**	**3.73**

* = 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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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. • For 2002 the methodology for developing the heat value was modified. As a result, the heat value displayed for the U.S. Total differs from the same value published previously in Table 4.7 of the 2004 Electric Power Annual publication. • 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), 2002(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	--	--	--	**345,091**	**1,029**	**389**	**4.01**
Connecticut	--	--	--	58,457	1,016	392	3.98
Maine	--	--	--	89,850	1,042	391	4.08
Massachusetts	--	--	--	128,388	1,024	351	3.60
New Hampshire	--	--	--	963	1,051	388	4.08
Rhode Island	--	--	--	67,417	1,032	455	4.70
Vermont	--	--	--	17	1,006	384	3.86
Middle Atlantic	**2**	--	--	**529,360**	**1,025**	**399**	**4.09**
New Jersey	--	--	--	148,497	1,035	404	4.19
New York	--	--	--	322,176	1,019	399	4.06
Pennsylvania	2	--	--	58,687	1,036	390	4.04
East North Central	**12**	--	--	**255,836**	**1,013**	**348**	**3.53**
Illinois	--	--	--	82,380	1,022	343	3.50
Indiana	--	--	--	16,200	1,016	324	3.29
Michigan	--	--	--	126,426	1,007	352	3.55
Ohio	--	--	--	12,377	1,028	375	3.86
Wisconsin	12	--	--	18,452	999	354	3.54
West North Central	--	--	--	**48,155**	**1,007**	**338**	**3.41**
Iowa	--	--	--	3,418	1,002	W	W
Kansas	--	--	--	14,573	1,004	309	3.11
Minnesota	--	--	--	8,930	1,007	W	W
Missouri	--	--	--	19,263	1,012	W	W
Nebraska	--	--	--	1,970	1,002	417	4.17
North Dakota	--	--	--	*	1,023	248	2.54
South Dakota	--	--	--	--	--	--	--
South Atlantic	--	--	--	**602,298**	**1,034**	**391**	**4.05**
Delaware	--	--	--	15,928	1,036	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	--	--	--	434,145	1,035	397	4.11
Georgia	--	--	--	62,406	1,031	362	3.74
Maryland	--	--	--	21,096	1,035	416	4.31
North Carolina	--	--	--	22,994	1,012	344	3.52
South Carolina	--	--	--	4,773	1,034	W	W
Virginia	--	--	--	35,217	1,035	413	4.28
West Virginia	--	--	--	5,739	1,026	385	3.95
East South Central	**89**	--	--	**247,296**	**1,032**	**346**	**3.57**
Alabama	--	--	--	86,893	1,037	346	3.59
Kentucky	--	--	--	6,597	1,003	351	3.52
Mississippi	89	--	--	150,648	1,030	346	3.57
Tennessee	--	--	--	3,157	1,024	323	3.30
West South Central	--	--	--	**2,405,025**	**1,026**	**335**	**3.44**
Arkansas	--	--	--	37,188	1,020	351	3.59
Louisiana	--	--	--	509,001	1,034	342	3.54
Oklahoma	--	--	--	175,457	1,030	344	3.54
Texas	--	--	--	1,683,379	1,023	332	3.39
Mountain	--	--	--	**345,976**	**1,022**	**W**	**W**
Arizona	--	--	--	123,700	1,021	320	3.27
Colorado	--	--	--	75,799	1,025	246	2.53
Idaho	--	--	--	6,738	1,020	W	W
Montana	--	--	--	23	1,104	W	W
Nevada	--	--	--	95,571	1,034	438	4.53
New Mexico	--	--	--	34,113	997	304	3.03
Utah	--	--	--	6,023	1,056	W	W
Wyoming	--	--	--	4,008	854	W	W
Pacific Contiguous	**60**	--	--	**803,263**	**1,019**	**368**	**3.75**
California	--	--	--	704,391	1,019	372	3.79
Oregon	60	--	--	67,176	1,019	328	3.35
Washington	--	--	--	31,696	1,034	354	3.66
Pacific Noncontiguous	--	--	--	**25,438**	**1,001**	**W**	**W**
Alaska	--	--	--	25,438	1,001	W	W
Hawaii	--	--	--	--	--	--	--
U.S. Total	**163**	--	--	**5,607,737**	**1,025[R]**	**356**	**3.65**

R = Revised.

* = 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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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. • For 2002 the methodology for developing the heat value was modified. As a result, the heat value displayed for the U.S. Total differs from the same value published previously in Table 4.7 of the 2004 Electric Power Annual publication. • 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) 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.A. 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.A. 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.A. 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.A. 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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) 2002

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	**28,984**	**10,828**	**.94**	**.87**	**8.58**	**W**	**W**
Alabama	10,977	12,095	1.16	.96	12.25	162	39.10
Colorado	227	11,847	.62	.52	9.84	135	32.00
Illinois	886	12,205	1.40	1.15	6.43	116	28.28
Kentucky	2,808	11,604	2.96	2.55	11.83	126	29.35
Pennsylvania	18	13,077	2.55	1.95	8.06	127	33.13
Tennessee	4	12,500	1.03	.82	11.00	169	42.25
Virginia	218	12,393	.96	.78	10.22	127	31.50
West Virginia	474	12,402	.83	.67	12.56	161	40.05
Wyoming	10,335	8,793	.24	.27	4.87	115	20.31
Imported	3,036	11,604	.58	.50	4.80	154	35.81
Arizona	**17,613**	**10,232**	**.60**	**.59**	**12.53**	**W**	**W**
Arizona	8,330	10,924	.52	.48	9.30	112	24.48
Colorado	610	10,967	.42	.38	7.69	183	40.16
Montana	23	9,473	.31	.33	3.60	131	24.86
New Mexico	8,625	9,518	.70	.73	16.03	134	25.49
Wyoming	25	8,748	.28	.33	5.19	160	27.97
Arkansas	**13,728**	**8,685**	**.28**	**.32**	**4.72**	**84**	**14.52**
Wyoming	13,728	8,685	.28	.32	4.72	84	14.52
California	**1,454**	**11,854**	**.48**	**.40**	**8.13**	**180**	**42.72**
Utah	1,446	11,857	.48	.40	8.13	--	--
Unclassified	8	11,370	.32	.28	6.80	--	--
Colorado	**19,080**	**9,767**	**.40**	**.41**	**6.61**	**95**	**18.58**
Colorado	10,571	10,673	.47	.44	8.07	105	22.37
Wyoming	8,509	8,642	.31	.35	4.80	80	13.87
Connecticut	**1,278**	**11,439**	**.89**	**.78**	**9.46**	**W**	**W**
Kentucky	218	13,033	.50	.38	7.76	--	--
West Virginia	612	12,180	1.49	1.22	13.87	--	--
Imported	448	9,654	.27	.28	4.27	--	--
Delaware	**1,446**	**12,858**	**.91**	**.71**	**9.69**	**W**	**W**
Kentucky	155	12,633	.65	.52	9.68	--	--
Pennsylvania	408	12,745	1.23	.97	9.70	--	--
Virginia	22	12,688	1.94	1.53	12.21	--	--
West Virginia	861	12,956	.77	.60	9.62	--	--
Florida	**24,122**	**12,263**	**1.55**	**1.26**	**8.43**	**176**	**43.21**
Alabama	9	12,678	.65	.51	10.40	183	46.43
Illinois	6,482	11,991	2.09	1.75	7.49	157	37.70
Indiana	162	11,452	3.05	2.67	8.02	132	30.28
Kentucky	10,439	12,486	1.69	1.36	9.07	177	44.14
Pennsylvania	509	13,144	2.48	1.89	7.56	180	47.38
Virginia	20	13,545	1.08	.80	8.14	183	49.49
West Virginia	3,120	12,547	.73	.59	10.08	217	54.64
Wyoming	367	8,797	.26	.30	5.07	134	23.55
Imported	3,014	12,088	.62	.51	7.12	166	40.22
Georgia	**31,269**	**11,686**	**.79**	**.67**	**9.62**	**W**	**W**
Alabama	210	12,249	1.65	1.35	12.05	175	42.93
Kentucky	15,942	12,405	.94	.76	10.49	168	41.73
Tennessee	10	12,896	1.25	.97	8.61	--	--
Virginia	5,563	12,681	.89	.70	10.84	158	40.15
West Virginia	2,990	12,154	.70	.58	12.16	190	46.09
Wyoming	6,408	8,771	.33	.37	5.20	164	28.72
Imported	144	12,747	.66	.52	7.13	157	40.10
Unclassified	1	12,750	.90	.71	8.90	--	--
Hawaii	**597**	**11,536**	**.32**	**.27**	**5.16**	**W**	**W**
Imported	596	11,535	.32	.27	5.16	--	--
Unclassified	*	12,205	.34	.28	2.50	--	--
Illinois	**50,981**	**9,253**	**.70**	**.76**	**5.85**	**119**	**21.93**
Colorado	1,527	12,106	.54	.45	9.69	171	41.64
Illinois	9,302	10,544	2.19	2.07	8.89	131	27.51
Indiana	383	11,212	3.47	3.10	10.51	121	27.68
Kentucky	51	12,300	2.56	2.08	10.00	--	--
Louisiana	143	10,300	1.00	.97	8.00	--	--
Montana	1,930	9,508	.35	.36	4.04	--	--
Utah	11	11,800	.97	.82	9.00	--	--
West Virginia	387	8,871	.25	.29	4.72	--	--

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2002 (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)							
Wyoming	37,246	8,775	.33	.38	4.97	100	17.49
Imported	2	11,148	.60	.54	10.60	95	21.07
Indiana	**45,285**	**10,593**	**1.48**	**1.40**	**7.56**	**W**	**W**
Colorado	62	12,099	.61	.51	7.90	138	33.50
Illinois	3,680	10,860	2.45	2.25	9.01	119	25.89
Indiana	21,578	11,101	2.14	1.92	8.97	109	24.17
Kentucky	602	12,289	1.03	.84	10.67	156	38.30
Montana	1,398	9,492	.34	.36	4.06	--	--
Ohio	136	11,703	3.16	2.70	9.40	115	26.93
Pennsylvania	712	12,927	2.01	1.56	7.68	116	29.91
Utah	270	12,403	.54	.43	9.00	168	41.70
Virginia	1,172	13,905	.73	.52	5.54	170	47.40
West Virginia	2,536	12,654	1.93	1.53	9.43	118	29.83
Wyoming	13,052	8,829	.24	.27	4.80	116	20.44
Imported	88	11,506	.58	.51	11.30	210	48.36
Iowa	**22,545**	**8,648**	**.39**	**.45**	**5.22**	**W**	**W**
Colorado	189	10,558	.36	.34	5.31	147	30.98
Illinois	557	11,153	3.06	2.75	8.74	145	33.93
Montana	30	9,300	.38	.41	4.10	101	18.77
Utah	47	11,238	.36	.32	8.44	164	36.84
Wyoming	21,722	8,561	.32	.38	5.13	85	14.54
Kansas	**20,982**	**8,571**	**.44**	**.51**	**5.36**	**98**	**16.85**
Colorado	56	10,051	.62	.62	16.12	91	18.28
Kansas	139	10,614	3.57	3.37	19.72	123	26.01
Missouri	203	10,740	5.81	5.41	18.77	121	25.96
Wyoming	20,585	8,532	.36	.42	5.10	98	16.69
Kentucky	**32,138**	**11,464**	**2.16**	**1.88**	**11.75**	**119**	**27.25**
Colorado	3,255	11,993	.53	.44	8.34	139	33.35
Illinois	1,004	12,131	3.25	2.68	10.26	121	29.33
Indiana	1,367	11,172	3.41	3.05	10.66	112	25.12
Kentucky	17,877	11,303	2.67	2.36	13.23	112	25.33
Ohio	53	11,691	3.19	2.72	13.98	124	28.99
Pennsylvania	700	13,095	2.48	1.89	7.65	111	29.03
Utah	11	12,137	.68	.56	11.90	168	40.78
West Virginia	6,179	12,154	1.55	1.28	11.95	127	30.85
Wyoming	1,691	8,785	.29	.33	5.30	126	22.17
Louisiana	**16,018**	**8,095**	**.52**	**.65**	**7.30**	**W**	**W**
Kentucky	16	12,500	1.00	.80	9.70	--	--
Louisiana	3,756	6,829	.92	1.35	13.48	136	18.54
Wyoming	12,245	8,477	.40	.47	5.40	124	21.77
Maine	**221**	**13,138**	**.71**	**.54**	**6.00**	**241**	**63.32**
West Virginia	124	13,185	.75	.57	6.31	--	--
Imported	97	13,078	.66	.50	5.60	--	--
Maryland	**11,371**	**12,799**	**1.22**	**.96**	**10.02**	**163**	**41.83**
Kentucky	172	12,869	1.20	.93	9.05	--	--
Maryland	2,094	12,538	1.50	1.19	11.65	--	--
Pennsylvania	1,287	12,945	1.63	1.26	8.46	--	--
Virginia	206	13,213	.77	.59	9.29	--	--
West Virginia	7,458	12,829	1.09	.85	9.94	--	--
Imported	99	12,950	.67	.52	6.26	--	--
Unclassified	55	13,279	2.41	1.82	7.81	--	--
Massachusetts	**4,132**	**12,482**	**.66**	**.53**	**8.42**	**W**	**W**
Colorado	20	12,400	.62	.50	5.80	--	--
Kentucky	594	12,657	.63	.50	8.88	228	59.56
West Virginia	1,744	12,281	.68	.55	10.68	--	--
Imported	1,774	12,621	.65	.51	6.07	206	45.70
Michigan	**32,596**	**10,255**	**.57**	**.55**	**6.23**	**W**	**W**
Colorado	1,098	12,115	.57	.47	9.08	158	38.29
Indiana	3	9,680	.60	.62	16.50	132	25.58
Kentucky	4,386	12,855	1.06	.82	7.77	170	43.78
Montana	8,812	9,403	.36	.38	4.46	114	21.41
Ohio	203	11,612	2.98	2.57	12.42	173	40.49
Pennsylvania	1,122	12,993	1.79	1.38	7.62	127	33.08
West Virginia	3,807	12,489	1.05	.84	10.83	159	39.72
Wyoming	13,156	8,821	.26	.29	5.12	108	19.01

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2002 (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)							
Unclassified	8	--	.62	.04	.20	--	--
Minnesota	**18,860**	**8,860**	**.45**	**.51**	**6.46**	**W**	**W**
Illinois	5	12,220	1.13	.92	6.70	181	44.24
Indiana	4	12,220	1.13	.92	6.70	181	44.24
Montana	10,487	8,872	.60	.68	7.73	106	18.89
West Virginia	10	13,137	.71	.54	6.60	232	61.03
Wyoming	8,354	8,836	.26	.30	4.85	104	18.30
Mississippi	**7,762**	**9,723**	**.63**	**.65**	**11.44**	**W**	**W**
Colorado	3,054	11,750	.57	.48	8.89	168	39.47
Illinois	86	11,906	1.31	1.10	6.20	148	35.19
Kentucky	1,024	12,455	1.02	.82	11.25	165	41.12
Mississippi	2,037	5,725	.54	.95	16.34	--	--
Virginia	31	13,045	1.04	.80	9.84	151	39.28
Imported	963	11,303	.57	.51	7.17	154	34.87
Unclassified	567	5,037	.58	1.14	16.03	--	--
Missouri	**39,375**	**8,875**	**.36**	**.40**	**5.01**	**W**	**W**
Colorado	35	11,939	.38	.32	8.59	219	52.36
Illinois	1,021	11,660	2.40	2.06	7.27	137	32.40
Kentucky	38	13,479	1.15	.86	6.27	224	60.31
Missouri	10	10,579	3.19	3.02	13.40	138	29.22
Utah	464	12,634	.58	.46	7.06	114	28.81
Wyoming	37,807	8,746	.30	.34	4.92	87	15.19
Montana	**9,976**	**8,482**	**.64**	**.76**	**8.54**	**W**	**W**
Montana	9,241	8,491	.67	.79	8.84	61	10.29
Wyoming	736	8,362	.23	.28	4.66	--	--
Nebraska	**12,432**	**8,654**	**.30**	**.34**	**4.97**	**58**	**10.05**
Utah	11	11,592	.33	.28	6.80	117	27.15
Wyoming	12,421	8,651	.30	.34	4.97	58	10.03
Nevada	**7,573**	**11,284**	**.53**	**.47**	**9.71**	**134**	**30.21**
Arizona	4,639	10,960	.49	.44	10.12	131	28.71
Colorado	261	12,017	.62	.52	8.70	137	32.90
Utah	2,672	11,774	.59	.50	9.10	138	32.54
New Hampshire	**1,515**	**13,245**	**1.17**	**.88**	**6.13**	**180**	**47.75**
Ohio	36	12,930	2.20	1.70	6.60	196	50.71
Pennsylvania	547	12,999	1.76	1.35	7.58	188	48.83
Virginia	328	14,179	.65	.46	4.76	198	56.22
West Virginia	74	13,166	2.10	1.60	7.51	182	47.93
Imported	530	12,953	.69	.53	5.25	159	41.17
New Jersey	**3,948**	**13,137**	**1.23**	**.94**	**7.81**	**187**	**49.22**
Kentucky	88	12,816	.87	.68	9.00	--	--
Maryland	62	13,123	2.53	1.93	9.15	243	63.74
Pennsylvania	846	13,035	1.70	1.31	7.04	193	49.44
Virginia	539	13,897	.82	.59	5.49	--	--
West Virginia	2,120	12,963	1.20	.93	9.01	235	61.16
Imported	294	13,394	.67	.50	5.04	249	64.11
New Mexico	**9,718**	**9,444**	**.73**	**.78**	**22.21**	**153**	**28.87**
New Mexico	9,718	9,444	.73	.78	22.21	153	28.87
New York	**8,580**	**13,019**	**1.78**	**1.37**	**8.26**	**155**	**40.36**
Kentucky	35	12,986	.60	.46	7.85	--	--
Pennsylvania	4,129	12,968	2.07	1.60	8.29	161	41.31
West Virginia	3,531	13,060	1.74	1.34	8.68	148	39.24
Wyoming	39	10,047	.80	.79	5.84	--	--
Imported	846	13,235	.64	.48	6.53	--	--
North Carolina	**24,848**	**12,422**	**.85**	**.69**	**10.68**	**176**	**43.75**
Kentucky	9,998	12,497	.99	.79	9.91	171	42.57
Virginia	363	12,803	.87	.68	10.45	163	41.71
West Virginia	14,487	12,360	.76	.61	11.22	177	43.64
North Dakota	**25,378**	**6,564**	**.72**	**1.10**	**9.26**	**74**	**9.76**
North Dakota	24,674	6,523	.73	1.12	9.36	74	9.64
Wyoming	704	7,982	.38	.48	5.50	87	13.89
Ohio	**32,272**	**12,143**	**1.98**	**1.63**	**10.58**	**W**	**W**
Illinois	306	11,631	2.44	2.09	8.33	136	31.71
Indiana	26	11,385	1.76	1.54	7.54	136	30.86
Kentucky	5,923	11,898	.93	.78	11.58	126	29.98
Ohio	12,415	11,918	3.17	2.66	10.40	112	26.74

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2002 (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)
Ohio (Continued)							
Pennsylvania	1,455	13,095	1.94	1.48	7.31	112	29.25
Virginia	1,199	13,521	.88	.65	7.35	121	33.17
West Virginia	10,881	12,293	1.32	1.08	11.13	124	30.44
Wyoming	65	8,524	.31	.36	5.72	116	19.81
Oklahoma	**21,945**	**8,836**	**.39**	**.44**	**5.57**	**W**	**W**
Colorado	56	11,937	.55	.46	10.56	114	27.54
Oklahoma	865	12,017	2.69	2.24	16.58	--	--
Wyoming	21,024	8,697	.29	.34	5.11	93	16.25
Oregon	**2,068**	**8,695**	**.31**	**.36**	**4.58**	**133**	**23.11**
Montana	675	9,392	.36	.38	4.25	129	24.22
Wyoming	1,393	8,357	.29	.35	4.73	135	22.57
Pennsylvania	**39,389**	**12,111**	**1.95**	**1.61**	**13.20**	**125**	**30.36**
Kentucky	317	12,784	.70	.55	8.37	--	--
Ohio	188	12,404	2.15	1.73	9.69	--	--
Pennsylvania	29,903	12,059	2.05	1.70	13.73	121	31.06
West Virginia	7,470	12,667	1.62	1.28	9.58	116	29.23
Imported	309	12,962	.74	.57	6.42	--	--
Unclassified	1,202	9,494	2.21	2.33	26.09	--	--
South Carolina	**14,795**	**12,698**	**1.16**	**.91**	**8.84**	**W**	**W**
Kentucky	12,386	12,678	1.17	.92	8.84	156	39.60
Tennessee	809	13,115	1.33	1.01	7.07	163	42.73
Virginia	896	12,712	1.07	.84	9.32	182	46.22
West Virginia	704	12,562	.86	.68	10.27	164	41.10
South Dakota	**1,872**	**8,550**	**.37**	**.43**	**4.58**	**130**	**22.14**
Wyoming	1,872	8,550	.37	.43	4.58	130	22.14
Tennessee	**31,865**	**11,615**	**1.32**	**1.13**	**8.88**	**W**	**W**
Colorado	3,823	11,826	.56	.47	9.59	133	31.37
Illinois	5,008	12,066	2.48	2.06	8.27	112	27.04
Kentucky	8,469	12,073	1.64	1.36	10.62	121	28.97
Pennsylvania	1,364	13,142	2.58	1.96	7.74	120	31.48
Tennessee	637	12,578	.81	.64	10.57	151	38.00
Utah	1,257	11,828	.64	.54	10.09	146	34.58
Virginia	4,896	12,722	1.27	1.00	9.58	122	30.84
West Virginia	796	12,541	1.06	.84	11.72	130	32.68
Wyoming	5,614	8,756	.30	.34	5.14	101	17.70
Texas	**74,661**	**7,677**	**.68**	**.88**	**10.15**	**126**	**19.42**
Colorado	1,400	10,843	.39	.36	7.13	--	--
Texas	34,448	6,504	1.10	1.70	15.85	126	16.02
West Virginia	325	8,558	.34	.40	5.10	--	--
Wyoming	38,488	8,604	.31	.36	5.20	126	21.79
Utah	**14,699**	**11,223**	**.55**	**.49**	**11.29**	**W**	**W**
Colorado	2,121	9,852	.37	.38	11.25	152	30.01
Utah	12,578	11,455	.57	.50	11.29	90	20.51
Virginia	**14,386**	**12,845**	**1.13**	**.88**	**9.60**	**169**	**43.33**
Kentucky	4,891	12,837	1.16	.91	8.58	172	44.14
Pennsylvania	40	12,602	1.56	1.24	11.66	229	57.76
Virginia	6,150	12,834	.93	.73	10.60	152	38.85
West Virginia	3,305	12,879	1.46	1.13	9.22	163	41.82
Washington	**6,712**	**8,014**	**1.01**	**1.26**	**18.18**	**W**	**W**
Montana	1,150	8,909	.62	.69	9.45	--	--
Washington	5,562	7,829	1.09	1.40	19.98	--	--
West Virginia	**36,006**	**12,103**	**1.71**	**1.42**	**12.33**	**121**	**29.22**
Illinois	10	12,014	1.32	1.10	6.20	141	33.76
Kentucky	801	12,149	.99	.82	11.03	118	28.58
Maryland	3,243	12,073	1.79	1.48	16.60	113	27.19
Ohio	2,085	12,340	4.26	3.45	9.73	99	24.52
Pennsylvania	4,926	12,689	1.56	1.23	9.94	117	29.58
Virginia	29	12,859	.70	.54	10.50	138	35.51
West Virginia	24,122	12,076	1.59	1.32	12.77	128	31.06
Wyoming	790	8,735	.22	.26	4.57	134	23.46
Wisconsin	**23,555**	**9,089**	**.41**	**.45**	**5.27**	**112**	**20.40**
Colorado	653	12,061	.58	.48	9.14	162	39.13
Illinois	587	11,946	1.49	1.25	6.32	137	32.64
Indiana	527	11,335	1.27	1.12	6.93	162	36.66
Kentucky	169	12,354	2.01	1.63	8.97	238	60.65

Table 15.B. Destination and Origin of Coal for Electricity Generation By State: Total (All Sectors) 2002 (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)
Wisconsin (Continued)							
Montana	475	9,318	.32	.35	3.89	118	22.02
Pennsylvania	418	13,117	1.49	1.14	6.81	131	34.26
Utah	115	11,355	.37	.33	8.68	173	39.38
West Virginia	306	12,881	1.76	1.36	9.53	--	--
Wyoming	20,241	8,663	.30	.34	4.95	103	17.79
Unclassified	63	9,937	1.23	1.24	6.22	--	--
Wyoming	**24,256**	**8,759**	**.49**	**.55**	**7.20**	**79**	**13.76**
Wyoming	24,256	8,759	.49	.55	7.20	79	13.76
Total	**884,287**	**10,168[R]**	**.94**	**.92**	**8.74**	**125**	**25.52**

R = Revised.

* = 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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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. • For 2002 the methodology for developing the heat value was modified. As a result, the heat value displayed for the U.S. Total differs from the same value published previously in Table 4.7 of the 2004 Electric Power Annual publication. • 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) 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.A. 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.A. 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.A. 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.A. 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. For 2003 only, estimates were developed for missing or incomplete data from some facilities reporting on the FERC Form 423. This was not done for earlier years. Therefore, 2003 data cannot be directly compared to previous years` data. Additional information regarding the estimation procedures that were used is provided in the Technical Notes. • 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) 2002

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	**11,196**	**12,098**	**1.17**	**.96**	**12.24**	**162**	**39.18**
Alabama	10,977	12,095	1.16	.96	12.25	162	39.10
Florida	9	12,678	.65	.51	10.40	183	46.43
Georgia	210	12,249	1.65	1.35	12.05	175	42.93
Arizona	**12,969**	**10,937**	**.51**	**.47**	**9.59**	**119**	**26.00**
Arizona	8,330	10,924	.52	.48	9.30	112	24.48
Nevada	4,639	10,960	.49	.44	10.12	131	28.71
Colorado	**29,016**	**11,229**	**.50**	**.45**	**8.73**	**133**	**29.74**
Alabama	227	11,847	.62	.52	9.84	135	32.00
Arizona	610	10,967	.42	.38	7.69	183	40.16
Colorado	10,571	10,673	.47	.44	8.07	105	22.37
Illinois	1,527	12,105	.54	.45	9.69	171	41.64
Indiana	62	12,099	.61	.51	7.90	138	33.50
Iowa	189	10,558	.36	.34	5.31	147	30.98
Kansas	56	10,051	.62	.62	16.12	91	18.28
Kentucky	3,255	11,993	.53	.44	8.34	139	33.35
Massachusetts	20	12,400	.62	.50	5.80	--	--
Michigan	1,098	12,115	.57	.47	9.08	158	38.29
Mississippi	3,054	11,750	.57	.48	8.89	168	39.47
Missouri	35	11,939	.38	.32	8.59	219	52.36
Nevada	261	12,017	.62	.52	8.70	137	32.90
Oklahoma	56	11,937	.55	.46	10.56	114	27.54
Tennessee	3,823	11,826	.56	.47	9.59	133	31.37
Texas	1,400	10,843	.39	.36	7.13	--	--
Utah	2,121	9,852	.37	.38	11.25	152	30.01
Wisconsin	653	12,061	.58	.48	9.14	162	39.13
Illinois	**28,934**	**11,374**	**2.27**	**2.00**	**8.33**	**132**	**30.45**
Alabama	886	12,205	1.40	1.15	6.43	116	28.28
Florida	6,482	11,991	2.09	1.75	7.49	157	37.70
Illinois	9,302	10,544	2.19	2.07	8.89	131	27.51
Indiana	3,680	10,860	2.45	2.25	9.01	119	25.89
Iowa	557	11,153	3.06	2.75	8.74	145	33.93
Kentucky	1,004	12,131	3.25	2.68	10.26	121	29.33
Minnesota	5	12,220	1.13	.92	6.70	181	44.24
Mississippi	86	11,906	1.31	1.10	6.20	148	35.19
Missouri	1,021	11,660	2.40	2.06	7.27	137	32.40
Ohio	306	11,631	2.44	2.09	8.33	136	31.71
Tennessee	5,008	12,066	2.48	2.06	8.27	112	27.04
West Virginia	10	12,014	1.32	1.10	6.20	141	33.76
Wisconsin	587	11,946	1.49	1.25	6.32	137	32.64
Indiana	**24,051**	**11,114**	**2.22**	**1.99**	**9.04**	**111**	**24.57**
Florida	162	11,452	3.05	2.67	8.02	132	30.28
Illinois	383	11,212	3.47	3.10	10.51	121	27.68
Indiana	21,578	11,101	2.14	1.92	8.97	109	24.17
Kentucky	1,367	11,172	3.41	3.05	10.66	112	25.12
Michigan	3	9,680	.60	.62	16.50	132	25.58
Minnesota	4	12,220	1.13	.92	6.70	181	44.24
Ohio	26	11,385	1.76	1.54	7.54	136	30.86
Wisconsin	527	11,335	1.27	1.12	6.93	162	36.66
Kansas	**139**	**10,614**	**3.57**	**3.37**	**19.72**	**123**	**26.01**
Kansas	139	10,614	3.57	3.37	19.72	123	26.01
Kentucky	**97,400**	**12,218**	**1.51**	**1.23**	**10.45**	**149**	**36.32**
Alabama	2,808	11,604	2.96	2.55	11.83	126	29.35
Connecticut	218	13,033	.50	.38	7.76	--	--
Delaware	155	12,633	.65	.52	9.68	--	--
Florida	10,439	12,486	1.69	1.36	9.07	177	44.14
Georgia	15,942	12,405	.94	.76	10.49	168	41.73
Illinois	51	12,300	2.56	2.08	10.00	--	--
Indiana	602	12,289	1.03	.84	10.67	156	38.30
Kentucky	17,877	11,302	2.67	2.36	13.23	112	25.33
Louisiana	16	12,500	1.00	.80	9.70	--	--
Maryland	172	12,869	1.20	.93	9.05	--	--
Massachusetts	594	12,657	.63	.50	8.88	228	59.56
Michigan	4,386	12,855	1.06	.82	7.77	170	43.78
Mississippi	1,024	12,455	1.02	.82	11.25	165	41.12

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2002 (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)							
Missouri	38	13,479	1.15	.86	6.27	224	60.31
New Jersey	88	12,816	.87	.68	9.00	--	--
New York	35	12,986	.60	.46	7.85	--	--
North Carolina	9,998	12,497	.99	.79	9.91	171	42.57
Ohio	5,923	11,898	.93	.78	11.58	126	29.98
Pennsylvania	317	12,784	.70	.55	8.37	--	--
South Carolina	12,386	12,677	1.17	.92	8.84	156	39.60
Tennessee	8,469	12,072	1.64	1.36	10.62	121	28.97
Virginia	4,891	12,837	1.16	.91	8.58	172	44.14
West Virginia	801	12,149	.99	.82	11.03	118	28.58
Wisconsin	169	12,353	2.01	1.63	8.97	238	60.65
Louisiana	**3,899**	**6,957**	**.93**	**1.33**	**13.28**	**136**	**18.54**
Illinois	143	10,300	1.00	.97	8.00	--	--
Louisiana	3,756	6,829	.92	1.35	13.48	136	18.54
Maryland	**5,399**	**12,265**	**1.68**	**1.37**	**14.60**	**115**	**27.87**
Maryland	2,094	12,538	1.50	1.19	11.65	--	--
New Jersey	62	13,123	2.53	1.93	9.15	243	63.74
West Virginia	3,243	12,073	1.79	1.48	16.60	113	27.19
Mississippi	**2,037**	**5,725**	**.54**	**.95**	**16.34**	**--**	**--**
Mississippi	2,037	5,725	.54	.95	16.34	--	--
Missouri	**213**	**10,732**	**5.69**	**5.30**	**18.51**	**122**	**26.11**
Kansas	203	10,740	5.81	5.41	18.77	121	25.96
Missouri	10	10,579	3.19	3.02	13.40	138	29.22
Montana	**34,220**	**8,986**	**.53**	**.59**	**6.76**	**100**	**17.96**
Arizona	23	9,473	.31	.33	3.60	131	24.86
Illinois	1,930	9,508	.35	.36	4.04	--	--
Indiana	1,398	9,492	.34	.36	4.06	--	--
Iowa	30	9,300	.38	.41	4.10	101	18.77
Michigan	8,812	9,403	.36	.38	4.46	114	21.41
Minnesota	10,487	8,872	.60	.68	7.73	106	18.89
Montana	9,241	8,491	.67	.79	8.84	61	10.29
Oregon	675	9,392	.36	.38	4.25	129	24.22
Washington	1,150	8,909	.62	.69	9.45	--	--
Wisconsin	475	9,318	.32	.35	3.89	118	22.02
New Mexico	**18,343**	**9,478**	**.72**	**.75**	**19.31**	**144**	**27.31**
Arizona	8,625	9,518	.70	.73	16.03	134	25.49
New Mexico	9,718	9,443	.73	.78	22.21	153	28.87
North Dakota	**24,674**	**6,523**	**.73**	**1.12**	**9.36**	**74**	**9.64**
North Dakota	24,674	6,523	.73	1.12	9.36	74	9.64
Ohio	**15,116**	**11,977**	**3.31**	**2.76**	**10.32**	**113**	**26.89**
Indiana	136	11,703	3.16	2.70	9.40	115	26.93
Kentucky	53	11,691	3.19	2.72	13.98	124	28.99
Michigan	203	11,612	2.98	2.57	12.42	173	40.49
New Hampshire	36	12,930	2.20	1.70	6.60	196	50.71
Ohio	12,415	11,918	3.17	2.66	10.40	112	26.74
Pennsylvania	188	12,404	2.15	1.73	9.69	--	--
West Virginia	2,085	12,340	4.26	3.45	9.73	99	24.52
Oklahoma	**865**	**12,017**	**2.69**	**2.24**	**16.58**	**--**	**--**
Oklahoma	865	12,017	2.69	2.24	16.58	--	--
Pennsylvania	**48,384**	**12,390**	**1.99**	**1.60**	**11.71**	**127**	**32.80**
Alabama	18	13,076	2.55	1.95	8.06	127	33.13
Delaware	408	12,745	1.23	.97	9.70	--	--
Florida	509	13,144	2.48	1.89	7.56	180	47.38
Indiana	712	12,927	2.01	1.56	7.68	116	29.91
Kentucky	700	13,095	2.48	1.89	7.65	111	29.03
Maryland	1,287	12,945	1.63	1.26	8.46	--	--
Michigan	1,122	12,993	1.79	1.38	7.62	127	33.08
New Hampshire	547	12,999	1.76	1.35	7.58	188	48.83
New Jersey	846	13,035	1.70	1.31	7.04	193	49.44
New York	4,129	12,968	2.07	1.60	8.29	161	41.31
Ohio	1,455	13,094	1.94	1.48	7.31	112	29.25
Pennsylvania	29,903	12,059	2.05	1.70	13.73	121	31.06
Tennessee	1,364	13,142	2.58	1.96	7.74	120	31.48
Virginia	40	12,602	1.56	1.24	11.66	229	57.76
West Virginia	4,926	12,689	1.56	1.23	9.94	117	29.58

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2002 (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)							
Wisconsin	418	13,117	1.49	1.14	6.81	131	34.26
Tennessee	**1,461**	**12,877**	**1.10**	**.85**	**8.62**	**158**	**40.65**
Alabama	4	12,500	1.03	.82	11.00	169	42.25
Georgia	10	12,896	1.25	.97	8.61	--	--
South Carolina	809	13,115	1.33	1.01	7.07	163	42.73
Tennessee	637	12,578	.81	.64	10.57	151	38.00
Texas	**34,448**	**6,504**	**1.10**	**1.70**	**15.85**	**126**	**16.02**
Texas	34,448	6,504	1.10	1.70	15.85	126	16.02
Utah	**18,885**	**11,598**	**.57**	**.49**	**10.50**	**104**	**24.11**
California	1,446	11,857	.48	.40	8.13	--	--
Illinois	11	11,800	.97	.82	9.00	--	--
Indiana	270	12,403	.54	.43	9.00	168	41.70
Iowa	47	11,238	.36	.32	8.44	164	36.84
Kentucky	11	12,137	.68	.56	11.90	168	40.78
Missouri	464	12,634	.58	.46	7.06	114	28.81
Nebraska	11	11,592	.33	.28	6.80	117	27.15
Nevada	2,672	11,774	.59	.50	9.10	138	32.54
Tennessee	1,257	11,828	.64	.54	10.09	146	34.58
Utah	12,578	11,455	.57	.50	11.29	90	20.51
Wisconsin	115	11,355	.37	.33	8.68	173	39.38
Virginia	**21,632**	**12,907**	**.98**	**.76**	**9.69**	**150**	**38.55**
Alabama	218	12,393	.96	.78	10.22	127	31.50
Delaware	22	12,688	1.94	1.53	12.21	--	--
Florida	20	13,545	1.08	.80	8.14	183	49.49
Georgia	5,563	12,681	.89	.70	10.84	158	40.15
Indiana	1,172	13,905	.73	.52	5.54	170	47.40
Maryland	206	13,213	.77	.59	9.29	--	--
Mississippi	31	13,045	1.04	.80	9.84	151	39.28
New Hampshire	328	14,179	.65	.46	4.76	198	56.22
New Jersey	539	13,897	.82	.59	5.49	--	--
North Carolina	363	12,803	.87	.68	10.45	163	41.71
Ohio	1,199	13,521	.88	.65	7.35	121	33.17
South Carolina	896	12,712	1.07	.84	9.32	182	46.22
Tennessee	4,896	12,722	1.27	1.00	9.58	122	30.84
Virginia	6,150	12,834	.93	.73	10.60	152	38.85
West Virginia	29	12,859	.70	.54	10.50	138	35.51
Washington	**5,562**	**7,829**	**1.09**	**1.40**	**19.98**	**--**	**--**
Washington	5,562	7,829	1.09	1.40	19.98	--	--
West Virginia	**98,424**	**12,380**	**1.28**	**1.03**	**11.08**	**148**	**36.54**
Alabama	474	12,402	.83	.67	12.56	161	40.05
Connecticut	612	12,180	1.49	1.22	13.87	--	--
Delaware	861	12,956	.77	.60	9.62	--	--
Florida	3,120	12,547	.73	.59	10.08	217	54.64
Georgia	2,990	12,154	.70	.58	12.16	190	46.09
Illinois	387	8,871	.25	.29	4.72	--	--
Indiana	2,536	12,654	1.93	1.53	9.43	118	29.83
Kentucky	6,179	12,154	1.55	1.28	11.95	127	30.85
Maine	124	13,185	.75	.57	6.31	--	--
Maryland	7,458	12,829	1.09	.85	9.94	--	--
Massachusetts	1,744	12,281	.68	.55	10.68	--	--
Michigan	3,807	12,489	1.05	.84	10.83	159	39.72
Minnesota	10	13,137	.71	.54	6.60	232	61.03
New Hampshire	74	13,166	2.10	1.60	7.51	182	47.93
New Jersey	2,120	12,963	1.20	.93	9.01	235	61.16
New York	3,531	13,060	1.74	1.34	8.68	148	39.24
North Carolina	14,487	12,360	.76	.61	11.22	177	43.64
Ohio	10,881	12,293	1.32	1.08	11.13	124	30.44
Pennsylvania	7,470	12,667	1.62	1.28	9.58	116	29.23
South Carolina	704	12,562	.86	.68	10.27	164	41.10
Tennessee	796	12,541	1.06	.84	11.72	130	32.68
Texas	325	8,558	.34	.40	5.10	--	--
Virginia	3,305	12,879	1.46	1.13	9.22	163	41.82
West Virginia	24,122	12,076	1.59	1.32	12.77	128	31.06
Wisconsin	306	12,881	1.76	1.36	9.53	--	--
Wyoming	**332,873**	**8,687**	**.32**	**.37**	**5.18**	**99**	**17.14**

Table 16.B. Origin and Destination of Coal for Electricity Generation By State: Total (All Sectors) 2002 (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)
Wyoming (Continued)							
Alabama	10,335	8,793	.24	.27	4.87	115	20.31
Arizona	25	8,748	.28	.33	5.19	160	27.97
Arkansas	13,728	8,685	.28	.32	4.72	84	14.52
Colorado	8,509	8,642	.31	.35	4.80	80	13.87
Florida	367	8,797	.26	.30	5.07	134	23.55
Georgia	6,408	8,771	.33	.37	5.20	164	28.72
Illinois	37,246	8,775	.33	.38	4.97	100	17.49
Indiana	13,052	8,829	.24	.27	4.80	116	20.44
Iowa	21,722	8,560	.32	.38	5.13	85	14.54
Kansas	20,585	8,532	.36	.42	5.10	98	16.69
Kentucky	1,691	8,785	.29	.33	5.30	126	22.17
Louisiana	12,245	8,477	.40	.47	5.40	124	21.77
Michigan	13,156	8,821	.26	.29	5.12	108	19.01
Minnesota	8,354	8,836	.26	.30	4.85	104	18.30
Missouri	37,807	8,746	.30	.34	4.92	87	15.19
Montana	736	8,362	.23	.28	4.66	--	--
Nebraska	12,421	8,651	.30	.34	4.97	58	10.03
New York	39	10,047	.80	.79	5.84	--	--
North Dakota	704	7,982	.38	.48	5.50	87	13.89
Ohio	65	8,524	.31	.36	5.72	116	19.81
Oklahoma	21,024	8,697	.29	.34	5.11	93	16.25
Oregon	1,393	8,357	.29	.35	4.73	135	22.57
South Dakota	1,872	8,550	.37	.43	4.58	130	22.14
Tennessee	5,614	8,756	.30	.34	5.14	101	17.70
Texas	38,488	8,604	.31	.36	5.20	126	21.79
West Virginia	790	8,735	.22	.26	4.57	134	23.46
Wisconsin	20,241	8,663	.30	.34	4.95	103	17.79
Wyoming	24,256	8,759	.49	.55	7.20	79	13.76
Imported	**12,241**	**12,055**	**.59**	**.49**	**6.02**	**161**	**38.10**
Alabama	3,036	11,604	.58	.50	4.80	154	35.81
Connecticut	448	9,654	.27	.28	4.27	--	--
Florida	3,014	12,088	.62	.51	7.12	166	40.22
Georgia	144	12,747	.66	.52	7.13	157	40.10
Hawaii	596	11,535	.32	.27	5.16	--	--
Illinois	2	11,148	.60	.54	10.60	95	21.07
Indiana	88	11,505	.58	.51	11.30	210	48.36
Maine	97	13,078	.66	.50	5.60	--	--
Maryland	99	12,950	.67	.52	6.26	--	--
Massachusetts	1,774	12,621	.65	.51	6.07	206	45.70
Mississippi	963	11,303	.57	.51	7.17	154	34.87
New Hampshire	530	12,953	.69	.53	5.25	159	41.17
New Jersey	294	13,394	.67	.50	5.04	249	64.11
New York	846	13,235	.64	.48	6.53	--	--
Pennsylvania	309	12,962	.74	.57	6.42	--	--
Unclassified	**1,906**	**8,872**	**1.68**	**1.90**	**21.69**	**--**	**--**
California	8	11,370	.32	.28	6.80	--	--
Georgia	1	12,750	.90	.71	8.90	--	--
Hawaii	*	12,205	.34	.28	2.50	--	--
Maryland	55	13,279	2.41	1.82	7.81	--	--
Michigan	8	--	.62	.04	.20	--	--
Mississippi	567	5,037	.58	1.14	16.03	--	--
Pennsylvania	1,202	9,494	2.21	2.33	26.09	--	--
Wisconsin	63	9,937	1.23	1.24	6.22	--	--
Total	**884,287**	**10,168[R]**	**.94**	**.92**	**8.74**	**122**	**24.74**

R = Revised.

* = 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: • 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. • Beginning in 2002, data from the Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" for independent power producers and combined heat and power producers are included in this data dissemination. Prior to 2002, these data were not collected; the data for 2001 and previous years include only data collected from electric utilities via the FERC Form 423. • 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. • For 2002 the methodology for developing the heat value was modified. As a result, the heat value displayed for the U.S. Total differs from the same value published previously in Table 4.7 of the 2004 Electric Power Annual publication. • 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 2002 and 2003 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.

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.

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

where x (t_1) and x (t_2) denote the quantity at year t_1 and subsequent year t_2.

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 2003, 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, ∑, 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:

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

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

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

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

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

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

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 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 2003 (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 2003 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.