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Fuel Oil and Kerosene Sales 2004

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Fuel Oil and Kerosene Data Available Through Electronic Access

Annual petroleum marketing data are available through electronic access that contains statistics from the *Fuel Oil and Kerosene sales 2004* report. Included are annual sales data on petroleum volumes of kerosene, distillate fuel oils, and residual fuel oils by State. Annual historical data at the national level are provided in summary tables.

For *Fuel Oil and Kerosene Sales* on the Internet, access EIA's home page at http://www.eia.doe.gov.

Internet Addresses:

E-Mail: infoctr@eia.doe.gov
World Wide Web Site: http://www.eia.doe.gov

Further information as to content may be obtained from the National Energy Information Center (NEIC), telephone (202) 586-8800.

Table of Contents

Page

Introduction iv
Highlights v
Adjusted Sales of Fuel Oil and Kerosene in 2004 18
Appendix A: Technical Notes 36
Appendix B: Form EIA-821: Annual Fuel Oil and Kerosene Sales Report 44

Tables

Sales of Fuel Oil and Kerosene in 2004

1. Sales of Distillate Fuel Oil by Energy Use in the United States: 2000-2004 1
2. Sales of Residual Fuel Oil by Energy Use in the United States: 2000-2004 2
3. Sales of Kerosene by Energy Use in the United States: 2000-2004 3
4. Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 4
5. Sales of Residual Fuel Oil by Energy Use, 2003 and 2004 8
6. Sales of Kerosene by Energy Use, 2003 and 2004 10
7. Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2004 12
8. Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004 13
9. Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004 14
10. Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2004 15
11. Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2004 16
12. Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004 17

Adjusted Sales of Fuel Oil and Kerosene in 2004

13. Adjusted Sales of Distillate Fuel Oil by Energy Use in the United States: 2000-2004 19
14. Adjusted Sales of Residual Fuel Oil by Energy Use in the United States: 2000-2004 20
15. Adjusted Sales of Kerosene by Energy Use in the United States: 2000-2004 21
16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 22
17. Adjusted Sales of Residual Fuel Oil by Energy Use, 2003 and 2004 26
18. Adjusted Sales of Kerosene by Energy Use, 2003 and 2004 28
19. Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2004 30
20. Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004 31
21. Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil and Kerosene, 2004 32
22. Adjusted Sales for Farm Use: Distillate Fuel Oil and Kerosene; Adjusted Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2004 33
23. Adjusted Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2004 34
24. Adjusted Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004 35

Introduction

The *Fuel Oil and Kerosene Sales 2004* report provides information, illustrations and State-level statistical data on energy use sales of kerosene; No.1, No. 2, and No. 4 distillate fuel oil; and residual fuel oil. State-level kerosene sales include volumes for residential, commercial, industrial, farm, and all other uses. State level distillate sales include volumes for residential, commercial, industrial, oil company, railroad, vessel bunkering, military, electric power, farm, on-highway, off highway construction, and other uses. State-level residual fuel sales include volumes for commercial, industrial, oil company, vessel bunkering, military, electric power, and other uses. The Petroleum Division, Office of Oil and Gas, Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the *Fuel Oil and Kerosene Sales 2004*.

NOTE: The 2003 adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2003*. The revisions to the data were made to include new distillate fuel oil and residual fuel oil volumes for "Electric Power". See the Adjusted Sales section and "Technical Note 3" in Appendix A for further explanation.

Except for the kerosene and on-highway diesel information, data presented in Tables 1 through 12 (Sales of Fuel Oil and Kerosene) present results of the EIA- 821 survey. Tables 13 through 24 (Adjusted Sales of Fuel Oil and Kerosene) include volumes that are based on the EIA-821 survey but have been adjusted to equal the products supplied volumes published in the *Petroleum Supply Annual* (PSA).

Tables 1 through 12 contain sales estimates resulting from the EIA-821 survey for all categories except kerosene and on-highway diesel. For on-highway diesel the survey was not expected to yield valid statistics because the sampling frame does not include a comprehensive listing of all truck stops. Hence, State-level data obtained from the Federal Highway Administration were used instead.

Kerosene sales data were not expected to be complete because a comprehensive listing of kerosene retailers was not available to serve as a sampling frame. It was thought that a complete frame would be expensive to construct because many kerosene retailers are convenience stores or other small businesses. Because of these concerns, kerosene sales data have been published only after adjusting the sales data so that they add to the U.S. total of kerosene product supplied from the PSA.

In Tables 13 through 24, estimates of distillate fuel oil are adjusted at the Petroleum Administration for Defense (PAD) district level to equal published PSA volume estimates of products supplied. For certain sales categories, data obtained from alternate sources are used instead of the adjusted numbers. See "Technical Note 3" in Appendix A for further explanation.

Kerosene and residual fuel oil in Tables 13 through 24 are adjusted at the national level to equal published PSA products supplied estimates. Thus the kerosene figures in Tables 13 through 24 are identical to those shown in Tables 1 through 12.

The sales data (Tables 1 through 12) differ from the adjusted sales estimates (Tables 13 through 24) with the exception of kerosene and on-highway diesel for many reasons, including:

- Some products are interchangeable (fungible) and may be supplied as one product and sold as another product. For example, kerosene, low sulfur kerosene type jet fuel, and low-sulfur No. 1 fuel oil can be used interchangeably.

- Products supplied into a PAD district may be blended prior to final sale. For example, residual fuel and No. 2 distillate may be blended and sold as No. 4 fuel oil or, in colder climates, kerosene maybe blended with distillate fuel oil and sold as heating oil.

- Geographic differences can be attributed to the transportation of product by truck or rail from the district of production. Inter-PAD district movements of products by these modes of transportation are not accounted for in Tables 13 through 24.

- Products maybe supplied into a PAD district but the final sale may cross PAD district boundaries. For example, a fuel oil dealer in Ohio (PAD District 2) may make retail sales into Pennsylvania (PAD District 1B) and/or West Virginia (PAD District 1C).

- Drawdowns or buildups in stocks will cause volumes supplied to differ from sales volumes.

Highlights

Sales of Fuel Oil and Kerosene in 2004

Market conditions in 2004 were very different from those in 2003 when a large increase in distillate sales combined with sizable increases in sales of residual fuel oil and kerosene, resulted in a new record for combined fuel oil sales. In 2004, a sharp drop in sales of distillate more than offset increased sales of residual fuel oil and kerosene. Consequently, total sales of fuel oil and kerosene totaled 75.0 billion gallons or just over one billion gallons less than the all-time record of 76.1 billion gallons set in 2003. Distillate sales accounted for 83.0 percent of total sales the smallest share since 2001 when distillates accounted for 80.3 percent. Sales of residual fuel oil accounted for approximately 15.7 percent up from 15.0 percent in 2003 and sales of kerosene accounted for the remaining 1.3 percent compared to 1.1 percent of total sales in 2003.[1]

Despite robust economic growth, sales of distillate declined during 2004. With the exception of sales of on highway diesel fuel and sales to the construction and off road sectors, distillate sales fell in comparison to the levels set in 2003. A number of factors had a negative influence on the market during the year, although high prices played a role, weather was an important factor as well. Not only was the winter warmer than normal but severe weather also had a negative impact on oil company direct use and sales to the agriculture sector. Total distillate sales were 62.3 billion gallons a drop of nearly 1.6 billion gallons (2.50 percent) from the all-time high set in 2003 of 63.9 billion gallons.

Despite a sharp decline in sales to the utility sector, overall sales of residual fuel oil increased on the strength of increased sales to the industrial and bunker sectors. Total sales of residual fuel increase by more than 381.5 million gallons (an increase of 3.3 percent) to reach 11.8 billion gallons, the highest level of sales since 2001.

Sales of kerosene also increased sharply continuing the recovery from the 2002 when sales plunged by 40 percent. Although sales increase by 18.1 percent to

Table HL1. Volume Distribution of Distillate and Residual Fuel Oils, 2003 and 2004

Energy Use	2004 Distillate		2003 Distillate		2004 Residual		2003 Residual	
	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share
Residential	6,645	10.7	6,927	10.8	—	—	—	—
Commercial	3,383	5.4	3,687	5.8	782	6.6	756	6.6
Industrial	2,327	3.7	2,394	3.7	1,540	13.1	1,414	12.4
Oil Company	473	0.8	514	0.8	47	0.4	84	0.7
Farm	3,189	5.1	3,201	5.0	—	—	—	—
Electric Power	823	1.3	1,148	1.8	4,704	39.9	5,273	46.2
Railroad	3,047	4.9	3,657	5.7	—	—	—	—
Vessel Bunkering	2,140	3.4	2,217	3.5	4,690	39.8	3,874	34.0
On-Highway	37,125	59.6	37,104	58.1	—	—	—	—
Military	359	0.6	416	0.7	30	0.3	10	0.1
Off-Highway	2,747	4.4	2,592	4.1	—	—	—	—
Other	0	0.0	0	0.0	1	0.0	2	0.0
Total	62,258		63,855		11,761		11,413	

Notes: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2000-2004. On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

[1] Numbers may not sum to 100 percent due to rounding.

reach 988.7 million gallons, the total nonetheless remained below the record level of 1.1 billion gallons set in 2001.

Distillate Fuel Oil

In 2004, distillate sales fell by nearly 1.6 billion gallons reflecting a very different pattern of sales from that in 2003 when distillate sales surged to a new record. Distillate sales had grown throughout the 1990's and with the single exception of 2001continued to grow through 2003. The drop in 2004 not only goes against the long-term trend but also is nearly three times the size of the drop in sales that occurred in 2001 when total distillate sales fell by 588 million gallons.[2] In 2004, only two sectors showed any increase and the on-highway sector (accounting for more than half of all sales) was essentially unchanged increasing by less than one tenth of one percent. Only the off-highway and construction sector had more than a small increase growing by 6.0 percent or 155.1 million gallons. The overall decline in sales during 2004 came about as the result of a number of factors which for the most part acted to restrain sales, but which in some cases helped boost sales to a particular sector or region.

Economic conditions improved during 2004. Gross Domestic Product (GDP) a prime measure of the state of the economy increased by 4.4 percent in constant dollars, the highest increase since 2001. In 2003, rising fuel costs (especially for natural gas) contributed to a slight drop in the overall production of goods and an increase in industrial utilization of less than 0.3 percent. However, in 2004, even higher energy prices did not appear to restrain production. Instead, new construction in the commercial sector increased by 6.7 percent, production of durable goods increased by 6.9 percent, total manufacturing increased by 3.9 percent and the industrialization utilization rate increased by 3.4 percent.[3] Further, total energy consumption in the United States increased by 1.54 quads, an increase more than three times the increase of 2003. Consequently, total energy consumption for the nation reached an all-time high of 99.76 quads.[4] Improved economic conditions are also reflected by the drop in unemployment from 6.0 to 5.5 percent, the lowest rate since 2001.[5]

Higher prices for oil products throughout most of the year counteracted the positive influence of the growth in the economy on sales to result in declining sales to most sectors of the fuel oil market. In particular, sales to the transportation sector, which had grown dramatically during 2003, fell in 2004. Sales to railroads dropped by 16.7 percent, more than 600 million gallons and sales of bunker fuel dropped by 3.5 percent or 77.3 million gallons. Sales to the on-highway sector did increase but only by about 22 million gallons, less than one tenth of one percent compared to a jump in sales in 2003 of 4.5 billion gallons. Vehicle Miles Traveled (VMT), measures total miles driven throughout the country by all types of vehicles in both urban and rural settings, in 2004, VMT increased by only 1.4 percent less than half of the increase of 2.9 percent of 2003.[6]

In the industrial and commercial sectors, the impact of higher oil prices was offset to some extent by the fuel switching brought about by the price of natural gas, that was significantly higher on a heating value than the price of oil. In early in 2004 the differential between oil and gas helped to boost distillate sales to the industrial sector as customers with the ability to switch from gas to oil did so during a cold snap in January.[7] However, unlike 2003 when fuel switching helped boost sales to the industrial and commercial sectors, in 2004 the cold did not last as long, prices of natural gas moderated sooner, and the nature of the fuel switching differed to some extent from what occurred in 2003. Fuel switching in 2004 benefited distillate sales by about 100,000 b/d but jet fuel and kerosene were the primarily beneficiaries.[8]

Weather was another factor that played a significant role in curtailing distillate demand in 2004 and its impact was more widespread than typical. 2004 was both considerably warmer than 2003 and also considerably warmer than normal. Although the overall difference in 2004 compared to 2003 as measured in heating degree days was just 3.8 percent for the nation as a whole, when examined on a regional basis the differences are more pronounced,

[2] The average increase during the period 1991-2001 was 1.47 billion gallons.
[3] *Economic Indicators*, May 2005, Washington D.C. U.S. Government Printing Office, p 12. (Data are adjusted for inflation using 2000 as the base).
[4] One quad equals one quadrillion (a one followed by fifteen zeros) British thermal units (Btu), source EIA, MER May 2004, Table 2.1
[5] *Economic Indicators*, September 2004, p 12. (Data are adjusted for inflation using 1996 as the base).
[6] Traffic Volume Trends, April 2005, http://www.fhwa.dot.gov/ohim/tvtw/05aprtvt/page3.htm
[7] *Oil Daily* January 16, 2004, page 2.
[8] *Oil Daily*, January 27, 2004, page 5.

particularly in the principal fuel oil consuming sections of the country (New England, the Middle Atlantic and East North Central) where heating oil demand for both residential and commercial consumers is the greatest. The winter of 2004 was warmer than the winter of 2003 in all three of the principal consuming regions and was also warmer than normal in both the Middle Atlantic and the East North Central regions. Overall, sales of heating oil to the residential sector decreased by 282 million gallons or 4.1 percent to 6.6 billion gallons.

The warmer than normal winter also contributed to a sharp decline in distillate sales for use in the electric power generation. In addition, the summer was also cooler than the summer of 2003 in most regions of the U.S.; consequently, demand for distillate fuel to meet peak summer generation loads was not a great as it had been in 2003.[9] Sales to the utility sector fell in every region of the country, dropping by 324.3 million gallons a decline of 28.3 percent.

The one sector of the market that exhibited sizeable growth during 2004 was the off-highway and construction sector. New construction was stimulated by interest rates that remained relatively low, consequently, the number of new housing units surged, increasing by more than 18 percent. Further, new construction in the commercial sector also increased, up by 6.7 percent and the combination helped boost distillate sales to the off-highway and construction market by 6.0 percent or 155.1 million gallons.[10]

At the national level, distillate sales to the agricultural sector were essentially unchanged at 3.2 billion gallons. Sales dropped by only 12.0 million gallons, just 0.4 percent and that small change is also reflected in the number of acres of major crops harvested during 2004. Although the number of acres harvested of cotton, soybeans and corn increased, considerably less wheat was harvested, and as a result, the amount of acres harvested for the principal crops taken together changed by only about one percent. Nationally the amount of citrus fruit harvested increased slightly by 1.3 percent.[11] However, that conceals the fact that the increase took place primarily in the citrus growing regions in the far west, while Hurricane Ivan devastated portions of Florida, a major citrus production center. Distillate sales to the region of PAD District 1[12] that includes Florida plunged by 25.3 percent. Robust increases in the production of nuts, apples, and non-citrus fruits are reflected in a substantial gain in distillate sales for farm use of 16.4 percent in the PAD District 5.

Weather also had a negative impact on sales for direct use by oil companies. Hurricane Ivan also ravaged the oil and gas infrastructure in the Gulf of Mexico causing widespread and extensive damage to production platforms and to subsurface structures in the Gulf of Mexico that in some cases required months to repair. Sales of distillate for oil company direct use nationally fell by nearly 8 percent. The drop was primarily the result of plunging sales in the states adjacent to the Gulf of Mexico; sales in PAD District 3 fell by 15.8 percent. Two regions experienced growth in sales. In PAD District 2, the Middle West and the Rocky Mountains where major exploration efforts for natural gas especially in Wyoming and Colorado are underway. Sales increased by 7.5 million gallons or 10.4 percent in PAD District 2 and by 19.5 million gallons or 46.7 percent in PAD District 4.

On a regional basis, the warmer winter weather resulted in a drop in distillate sales to the residential sector in all three Subdistricts of PAD District 1 (the Atlantic Coast) and in PAD District 2 the Great Lakes and upper Mississippi River Valley. Sales also fell in PAD District 5 (the Pacific Coast). In PAD District 1, sales dropped by a total of 236.3 million gallons, in Subdistrict A, by 29.6 million gallons, in Subdistrict B by 189.7 million gallons, and in Subdistrict C by 16.8 million gallons. Sales increased in PAD District 4 (the Rocky Mountains) by 3.6 million gallons and in PAD District 3 (the Gulf Coast) by 6.6 million gallons.

[9] Smaller peaking units, especially older units are often combustion turbines (in some cases converted jet turbine engines that run on No 2 fuel oil). Such units are used in the winter when it is very cold, periods when interruptible contract provisions are triggered and some users of natural gas must switch to alternatives. It is also not unusual for distillate fuel to be used in such peaking units during the summer to meet peak cooling demand.

[10] *Economic Indicators*, May 2005, Washington, D.C., U.S. Government Printing Office, p 12.

[11] Department of Agriculture, National Agricultural Statistics Service,

[12] The U.S. is divided into 5 Petroleum Administration for Defense Districts (PAD Districts). District 1, East Coast, District 2, Midwest, District 3, Gulf Coast, District 4, Rocky Mountains, and District 5, Pacific Coast. PAD District 1 is broken into three subdivisions: Subdistrict 1A, New England, Subdistrict 1B, Middle Atlantic, and Subdistrict 1C, Southeast.

Sales to the commercial sector decreased sharply in Subdistricts A and B of PAD District 1 falling by 109.4 and 74.4 million gallons respectively. Sales also fell in PAD District 2, down by 52.2 million gallons, PAD District 3 was down by 67.6 million gallons and PAD District 5 where sales dropped by 13.9 million gallons. Sales increased in the South Atlantic portion of PAD District 1 by 11.2 million gallons. Sales also increased by 2.9 million gallons in the Rocky Mountain region. The substantial decreases in the Middle Atlantic and Northeast Subdistricts of PAD District 1, in large measure reflect reduced opportunities for fuel switching that resulted from warmer winter conditions than occurred in 2003.

In 2004, sales of distillate to the industrial sector were generally down on a regional basis. Sales increased only in Subdistrict B of PAD District 1, the Middle Atlantic and in PAD District 5, the Pacific Coast. The increase in the Middle Atlantic region of 35.3 million gallons reflects the significant degree of fuel switching on the part of some industrial consumers that took place in the region. Sales also increased sharply in the Pacific Coast region going up by 44.9 million gallons or 18.6 percent. Despite an increase in total energy consumption by the industrial sector of 0.34 percent sales elsewhere fell.[13] In the New England region of PAD District 1 sales plunged by 20.8 percent, in the South Atlantic portion of PAD District 1, sales dropped by 6.2 percent. Sales also dropped in PAD Districts 2, 3 and 4, by 2.9 percent or 18.8 million gallons, 13.2 percent or 57.0 million gallons, and 6.6 percent or 15.1 million gallons respectively.

Unlike the situation in 2003 when sales to the military surged, growing by more than 16 percent, in 2004 sales to the military fell by 13.7 percent nationally. Sales fell throughout the country with the exception of PAD District 2 where sales were essentially unchanged, registering a very small gain of only 13,000 gallons, about 0.1 percent. Sales in PAD District 1 dropped by 26.1 million gallons or 24.4 percent. In PAD District 3 sales dropped by 22.0 million gallons or 20.0 percent. In PAD District 4 sales fell by 4.9 million gallons or 82.9 percent. In PAD District 5 sales slipped by 4.0 million gallons or 2.2 percent.

Absent the opportunity for large-scale fuel-switching that occurred during the winter of 2003 coupled with extensive damage from severe weather, especially from Hurricane Ivan to areas along the Gulf Coast distillate sales to the electric power sector dropped throughout the U.S. Although there were significant regional differences in the magnitude of the drop in sales, there were no exceptions; sales for use in the generation of electricity fell in every region including all three Subdistricts of PAD District 1. The largest drops occurred in the areas that sustained the most damage from the severe weather, including Hurricane Ivan. Sales in Subdistrict C of PAD District 1 that includes Florida fell by 121.4 million gallons, a drop of 35.0 percent. Sales in PAD District 3, which includes the remainder of the states along the Gulf of Mexico, dropped by 138.6 million gallons, plunging by 83.3 percent.

Residual Fuel Oil

The strength of the economy, and a surge in sales of bunker fuel combined to boost overall sales of residual fuel oil by more than 380 million gallons, an increase of 3.3 percent. Although sales of residual fuel to the bunker market represented by far the largest increase in 2004, surging by more than 816 million gallons, or 21.1 percent, sales also increased to most other sectors as well. Prompted primarily by the high price of natural gas and by supplier constrained natural gas availability, some fuel switching on the part of some commercial and especially industrial consumers took place. Sales to the commercial sector were up by 26.0 million gallons or 3.4 percent and sales to the industrial sector grew by 125.8 million gallons or 8.9 percent.

Although overall sales of residual fuel oil increased, sales to two sectors declined. First, without the driver of a prolonged cold winter, sales of residual fuel for use in generating electric power fell by more than one third plunging by 569.1 million gallons. Although that drop in sales was substantial, it should be viewed in the context of the magnitude of the increase of more than one billion gallons that occurred in 2003. Approximately 40 percent of the gain in sales to utilities that took place during 2003 was retained in 2004 as the prolonged high prices for natural gas led some utilities to switch some dual-fueled units to oil on a long-term basis. Second, sales of residual fuel for direct use by oil companies fell by more than 40 percent dropping to 46.8 million gallons.

[13] EIA, *Monthly Energy Review*, May 2005, Table 2.1.

On a regional basis, sales of residual fuel to the commercial sector increased along the Atlantic Coast, in the Midwest and the Pacific regions of the country but declined in the Rocky Mountain and Gulf Coast sections of the country. The largest increase took place in PAD District 1 where more than 90 percent of sales are concentrated. In Subdistrict A, New England sales surged by nearly 30 percent, jumping from 88.5 to 150.2 million gallons. The largest decline in sales also took place in PAD District 1, in Subdistrict B, the Middle Atlantic where sales fell by 3.6 percent or 19.2 million gallons.

Sales to the industrial sector also increased the most along the Atlantic Coast. Sales increased in all three Subdistricts of PAD District 1. Sales jumped by 141.7 million gallons or 14.5 percent in the region. Sales fell the most in PAD District 3 along the Gulf Coast where a drop of 65.5 million gallons or 30.5 percent occurred.

For the second year in a row, sales to the military increased sharply. Sales increased by 22.3 million gallons or 544 percent in PAD District 1. Sales dropped the most in PAD District 2 where they fell by 4.7 million gallons, a drop of nearly 94 percent.[14]

Neither the relatively small drop of 37 million gallons of direct oil company sales nor the more substantial drop of nearly 570 million gallons to the utility sector was large enough to overwhelm the upsurge in the sales to the bunker, sector of more than 800 million gallons. Sales increased throughout every region of the country, including all three Subdistricts of PAD District 1.

Although sales of residual fuel oil increased in both 2003 and 2004 this does not necessarily mean that the long-trend in the decline of heavy fuel oil has been reversed. Rather, a new dynamic has entered the market. Whenever weather and high prices for competing fuels provide the incentive for fuel switching, larger customers in the industrial, commercial and especially the electric power sectors may take advantage of the situation and switch temporarily to oil. The long-term trend toward lower sales of residual fuel remains and continues to affect the market; however with long-term higher priced natural gas, some industrial and particularly utilities have switched some units to fuel oil on a longer term basis than simply reacting to seasonal price spikes. The principle reasons for the changing relationship are: changing crude oil specifications; enhanced refinery sophistication resulting in increased production of gasoline and distillate at the expense of production of heavier products such as residual fuel oil, environmental constraints and restrictions on fuel oil use, and the availability of abundant relatively inexpensive natural gas have contributed to a diminished use of residual fuel oil in the production of electric power.[15] For residual fuel oil, although the overall trend has been for declining sales, fluctuations in the amount of fuel sold will occur whenever those with the ability to fuel switch when they are curtailed because of gas supply constraints during the coldest winter periods, or when price differentials between natural gas and fuel oil make switching attractive to sell natural gas into the market. In the past, fuel switching was typically of relatively short-term from a minimum of several days to a few weeks. However, in 2004, prolonged higher prices for natural gas made fuel switching attractive for some consumers over several months or longer.

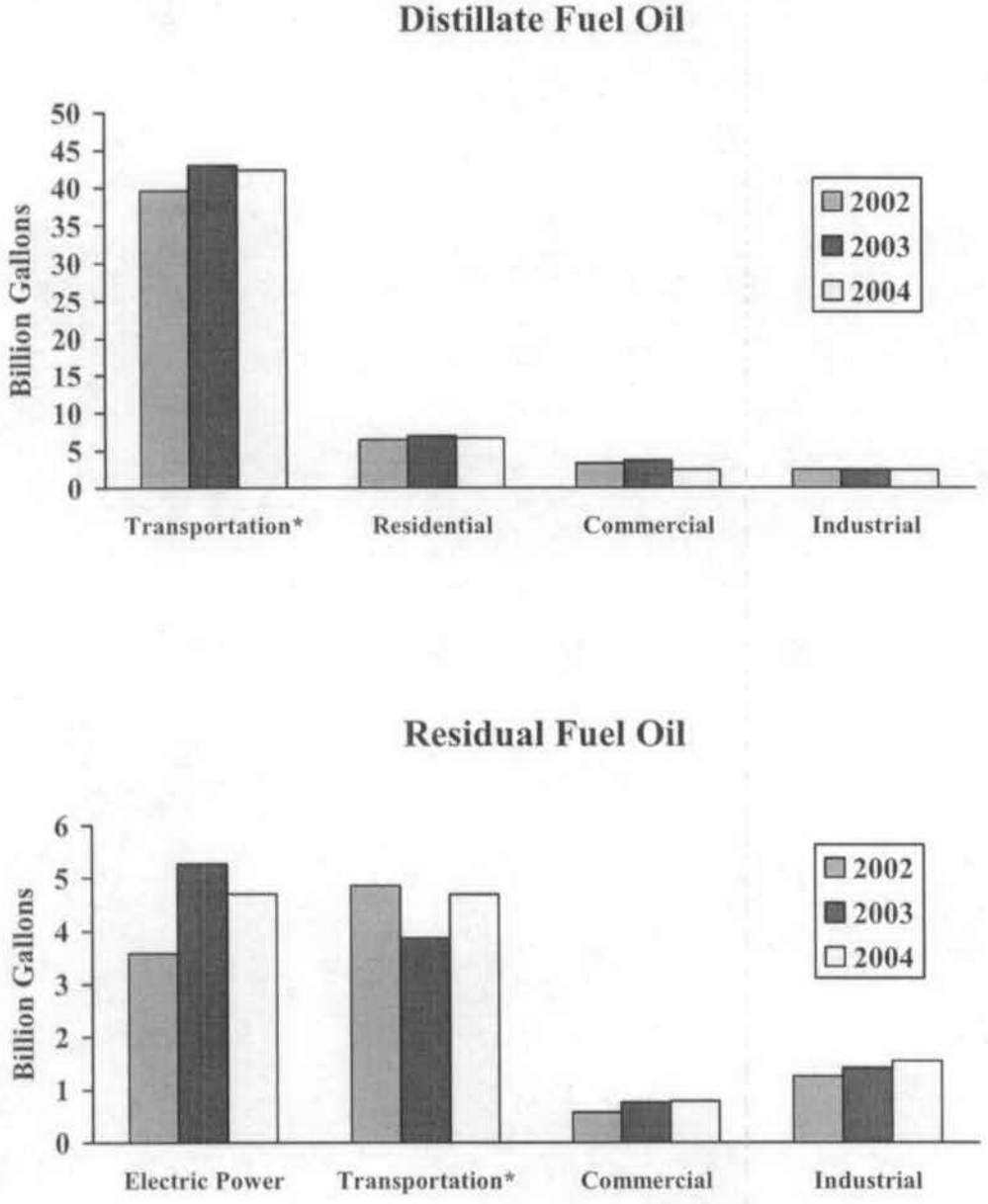
Kerosene

Sales of kerosene jumped by more than 18 percent increasing by 151.2 million gallons. Sales increased to all sectors generally in all regions of the country. The largest increases occurred residential and industrial sectors where sales increased by 107.0 million gallons and 28.2 million gallons respectively. Residential sales increased in all three Subdistricts of PAD District 1. Sales increased the most in Subdistrict B of PAD District 1 where they grew by 40.9 million gallons or 25.2 percent. Sales to the commercial sector increased in all regions with the exception of Subdistrict C of PAD District 1, the South Atlantic region which suffered damage from a number of hurricanes, particularly from Hurricane Ivan.

[14] No sales of residual fuel to the military were recorded in PAD District 3 or 4 in 2001, 2002, or 2003.

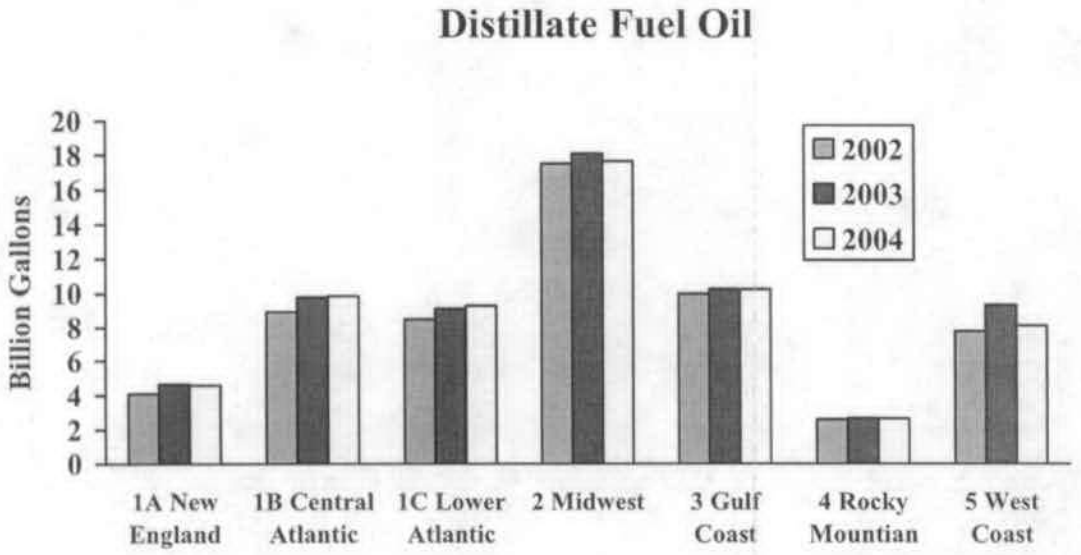
[15] It should be noted that the ability to increase production of light higher value products does not typically mean that refineries with upgraded processing capacity no longer possess the ability to produce heavier products such as residual fuel; rather, the economics involved dictate the production of the higher value products. Due to the divestiture of many electric power generation facilities, changes in fuel use and plant operations also contributed to the decline of residual fuel oil. For example, operators of these merchant plants blend fuels to achieve greater efficiency and to lower emissions of dirtier fuels (oil blended with natural gas and even oil and coal). When it is advantageous, the operators also may purchase power rather than generate electricity and re-sell the fuel.

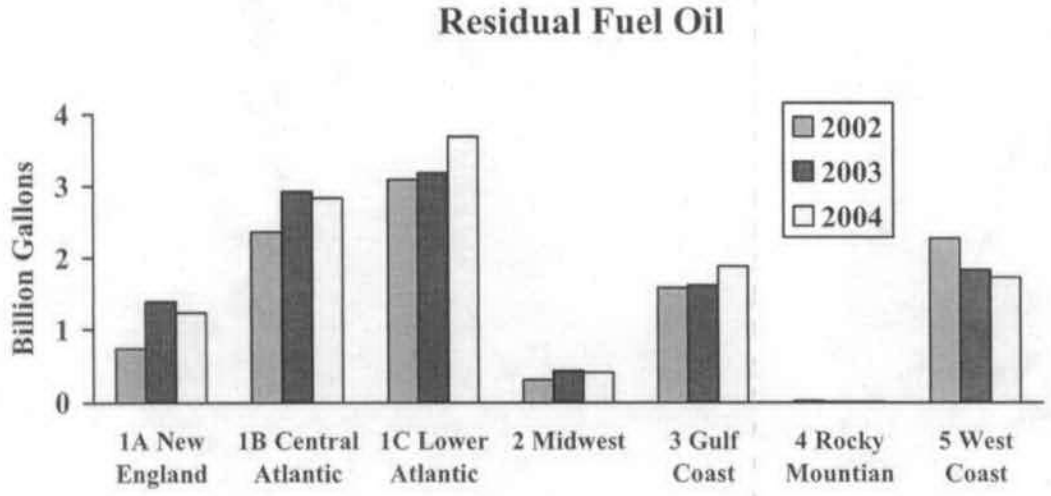
Figure HL1. U.S. Sales of Distillate and Residual Fuel Oils by Energy Use, 2002-2004



*For distillate fuel oil, transportation use comprises railroad, vessel bunkering, and on-highway diesel energy use categories. For residual fuel oil, transportation use comprises vessel bunkering energy use category.
Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2003 and 2004.

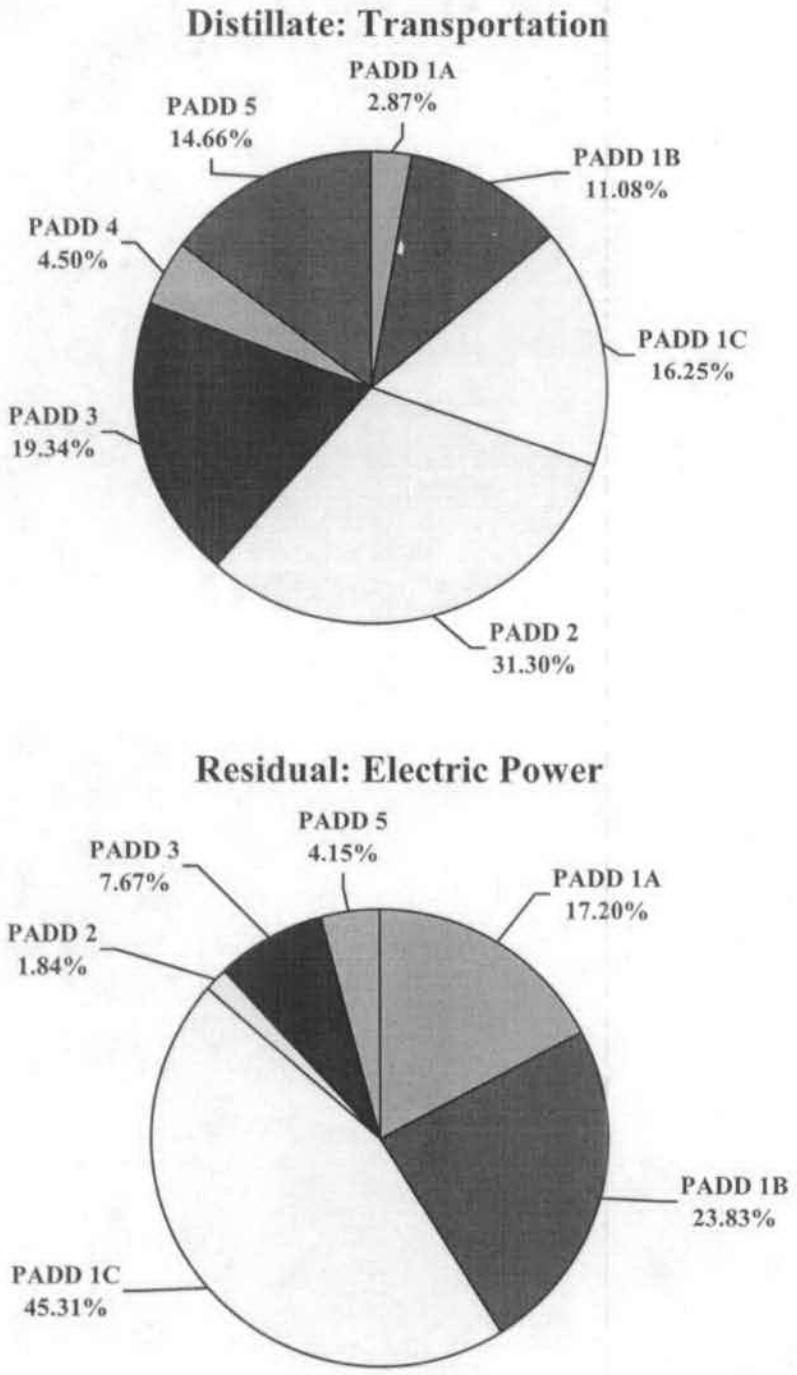
Figure HL2. Volume Distribution of Distillate and Residual Fuel Oils by PAD District, 2002-2004





*Residual fuel oil sales in PAD District 4 are too small to appear in the graph.
Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2003 and 2004.

Figure HL3. Distillate and Residual Fuel Oil Sales for Selected Energy Use Categories by PADD District, 2004



*Residual fuel oil sales in PAD District 4 are too small to appear in the graph..
Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2004.

Table 1. Sales of Distillate Fuel Oil by Energy Use in the United States: 2000-2004
(Thousand Gallons)

Energy Use	Distillate Fuel Oil				
	2000	2001	2002	2003	2004
U.S. Total	**59,601,230**	**59,911,345**	**59,342,633**	**63,854,776**	**62,257,934**
Residential	6,830,455	6,642,941	6,376,653	6,927,070	6,644,939
Commercial	3,706,345	3,717,862	3,293,387	3,686,537	3,383,061
Industrial	2,330,870	2,466,456	2,384,383	2,394,445	2,326,604
Oil Company	686,454	747,627	770,682	513,511	472,920
Farm	3,454,861	3,584,104	3,418,452	3,200,809	3,189,014
Electric Power	1,015,100	1,343,761	750,557	1,147,727	823,380
Railroad	3,290,507	3,039,761	3,245,482	3,656,657	3,047,491
Vessel Bunkering	2,261,422	2,044,049	2,078,921	2,216,921	2,139,643
On-Highway Diesel	33,129,664	33,215,320	34,308,885	37,103,563	37,125,239
Military	306,170	401,236	357,359	415,702	358,682
Off-Highway Diesel	2,589,383	2,708,228	2,357,872	2,591,833	2,746,960

Notes: • Totals may not equal sum of components due to independent rounding.
Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2000-2004. • On-Highway Diesel data are Federal Highway Administation statistics of highway special fuels use.

Table 2. Sales of Residual Fuel Oil by Energy Use in the United States: 2000-2004
(Thousand Gallons)

Energy Use	Residual Fuel Oil				
	2000	2001	2002	2003	2004
U.S. Total	13,210,935	13,609,379	10,361,615	11,412,833	11,794,362
Commercial	664,360	647,758	572,039	755,956	781,944
Industrial	1,585,140	1,747,367	1,250,634	1,414,052	1,539,830
Oil Company	153,522	132,177	108,673	84,100	46,818
Electric Power	4,362,680	5,647,433	3,575,249	5,273,089	4,704,027
Vessel Bunkering	6,409,863	5,409,378	4,847,704	3,873,849	4,690,454
Military	28,427	20,117	3,882	10,249	30,286
All Other	6,942	5,149	3,435	1,538	1,004

Notes: • Totals may not equal sum of components due to independent rounding.
Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2000-2004.

Table 3. Sales of Kerosene by Energy Use in the United States: 2000-2004
(Thousand Gallons)

Energy Use	Kerosene				
	2000	2001	2002	2003	2004
U.S. Total	**1,036,014**	**1,108,926**	**664,314**	**837,480**	**988,680**
Residential	700,532	704,305	443,919	520,799	627,842
Commercial	219,633	232,608	118,125	138,049	151,811
Industrial	86,844	141,317	77,508	164,386	192,588
Farm	23,084	27,162	19,390	11,674	14,757
All Other	5,921	3,535	5,372	2,572	1,683

Notes: • See Technical Note 3 for further explanation on adjustments. • Kerosene data in the Sales tables (1-12) are adjusted at the national level. • Totals may not equal sum of components due to independent rounding.

Sources: • Kerosene data are based on data from the Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2000-2004 and the "Petroleum Supply Annual," Volume 1, 2000-2004, (DOE/EIA-0340(00)/1 - (04)/1).

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2003	2004	2003	2004	2003	2004
U.S. Total	**6,927,070**	**6,644,939**	**3,686,537**	**3,383,061**	**2,394,445**	**2,326,604**
PAD District 1 Total	**6,084,041**	**5,847,740**	**2,573,044**	**2,400,362**	**841,484**	**819,670**
Subdistrict 1A Total	**2,466,734**	**2,436,994**	**740,712**	**631,293**	**117,292**	**92,871**
Connecticut	682,429	713,161	155,903	148,599	52,299	22,895
Maine	393,903	413,995	163,703	145,733	16,969	24,810
Massachusetts	901,158	810,208	248,404	180,658	21,300	16,832
New Hampshire	221,331	223,569	86,934	76,897	11,628	11,174
Rhode Island	165,277	163,092	43,729	35,993	6,762	7,603
Vermont	102,636	112,969	42,038	43,414	8,334	9,556
Subdistrict 1B Total	**3,208,522**	**3,018,796**	**1,401,364**	**1,326,940**	**199,572**	**234,918**
Delaware	47,141	40,435	13,076	12,589	2,942	3,460
District of Columbia	15,685	16,211	16,566	19,168	240	364
Maryland	183,736	171,686	99,564	88,334	25,913	27,141
New Jersey	459,552	415,197	136,140	112,288	41,790	40,424
New York	1,509,847	1,435,595	856,394	834,103	45,853	62,413
Pennsylvania	992,560	939,672	279,624	260,457	82,834	101,116
Subdistrict 1C Total	**408,785**	**391,949**	**430,968**	**442,130**	**524,620**	**491,881**
Florida	4,961	5,333	118,717	166,747	100,857	83,403
Georgia	1,673	1,687	40,750	45,141	102,886	73,123
North Carolina	132,353	120,172	94,803	70,391	59,001	62,064
South Carolina	19,273	12,053	26,132	23,155	27,943	26,605
Virginia	229,469	234,702	140,496	126,833	113,000	126,503
West Virginia	21,057	18,003	10,070	9,862	120,934	120,184
PAD District 2 Total	**634,278**	**586,370**	**566,128**	**513,895**	**649,349**	**630,589**
Illinois	10,972	12,734	61,951	35,069	60,344	52,020
Indiana	50,862	42,586	75,012	70,834	104,932	96,290
Iowa	16,836	13,478	30,179	19,530	8,063	11,240
Kansas	799	537	28,359	24,137	24,047	11,426
Kentucky	21,648	18,434	34,155	33,677	103,009	96,827
Michigan	98,834	85,472	51,267	44,523	24,051	27,631
Minnesota	104,485	98,500	32,906	33,688	48,803	60,808
Missouri	8,923	8,065	36,380	35,644	35,613	39,762
Nebraska	3,872	4,034	9,153	7,613	7,069	7,495
North Dakota	22,385	24,368	7,942	7,539	14,924	13,716
Ohio	144,629	140,283	78,193	80,936	81,723	88,047
Oklahoma	41	38	4,233	12,292	17,809	10,989
South Dakota	13,603	10,319	5,661	8,118	6,225	5,172
Tennessee	5,233	5,235	47,569	44,874	47,924	44,723
Wisconsin	131,154	122,287	63,168	55,421	64,813	64,445
PAD District 3 Total	**861**	**7,414**	**248,608**	**180,988**	**432,395**	**375,388**
Alabama	329	555	47,261	46,287	140,267	123,420
Arkansas	159	232	32,207	21,597	21,581	15,724
Louisiana	185	171	15,381	12,270	22,597	30,019
Mississippi	44	214	19,271	8,670	26,039	21,211
New Mexico	135	162	17,355	16,892	31,282	30,631
Texas	10	6,081	117,133	75,273	190,629	154,383
PAD District 4 Total	**27,227**	**30,839**	**64,525**	**67,457**	**229,829**	**214,693**
Colorado	494	687	13,524	13,538	31,496	28,345
Idaho	13,984	17,357	13,240	16,790	17,259	19,993
Montana	8,468	7,819	7,469	12,337	31,346	36,627
Utah	3,010	3,546	23,508	20,520	42,194	32,209
Wyoming	1,271	1,431	6,784	4,272	107,533	97,518
PAD District 5 Total	**180,662**	**172,576**	**234,233**	**220,359**	**241,389**	**286,264**
Alaska	63,728	70,667	40,349	48,515	45,195	44,427
Arizona	407	208	21,254	14,502	56,786	60,210
California	5,222	5,970	77,766	69,686	49,427	55,585
Hawaii	14	13	12,228	15,985	4,869	2,767
Nevada	7,363	7,145	12,137	15,592	42,498	83,402
Oregon	38,990	31,838	22,911	24,819	19,958	22,218
Washington	64,940	56,734	47,587	31,260	22,656	17,656

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Power	
	2003	2004	2003	2004	2003	2004
U.S. Total	513,511	472,920	3,200,809	3,189,014	1,147,727	823,380
PAD District 1 Total	26,602	19,682	495,298	410,712	567,598	420,016
Subdistrict 1A Total	741	126	36,948	37,141	23,173	22,998
Connecticut	7	38	7,830	6,574	4,379	6,306
Maine	218	–	12,037	12,208	537	552
Massachusetts	–	45	5,216	5,434	13,927	13,407
New Hampshire	–	17	5,865	5,449	1,777	958
Rhode Island	515	12	90	180	1,376	1,575
Vermont	–	14	5,910	7,297	1,176	199
Subdistrict 1B Total	14,667	9,664	118,133	119,597	198,096	172,061
Delaware	8,343	5,348	7,224	6,557	7,591	4,165
District of Columbia	–	–	–	–	8,386	4,888
Maryland	–	2	20,481	18,511	43,125	30,524
New Jersey	1,679	497	5,781	4,148	27,780	29,952
New York	2	11	47,339	47,399	31,030	37,736
Pennsylvania	4,643	3,807	37,308	42,981	80,185	64,797
Subdistrict 1C Total	11,194	9,892	340,218	253,974	346,330	224,956
Florida	35	16	162,871	86,513	92,893	97,653
Georgia	287	1,451	80,059	69,893	19,849	16,154
North Carolina	1,286	–	41,330	40,286	47,884	22,681
South Carolina	1,371	–	19,194	20,720	20,437	13,257
Virginia	4,175	1,707	35,458	34,922	128,922	38,742
West Virginia	4,040	6,718	1,306	1,639	36,346	36,468
PAD District 2 Total	72,528	80,051	1,543,845	1,580,103	191,911	163,258
Illinois	65	81	163,604	157,666	9,267	12,062
Indiana	–	20	129,943	118,994	16,274	10,615
Iowa	–	–	173,763	157,072	6,615	9,444
Kansas	9,525	11,343	160,998	181,777	6,912	5,870
Kentucky	1,423	1,754	30,406	30,002	8,308	7,698
Michigan	780	1,189	47,323	47,780	18,938	20,083
Minnesota	–	–	117,755	112,077	8,990	8,727
Missouri	128	64	92,388	114,780	6,078	6,042
Nebraska	2	2	204,781	208,871	2,844	1,548
North Dakota	6,009	8,651	96,665	106,496	2,017	2,817
Ohio	3,561	3,732	97,062	101,747	59,405	49,124
Oklahoma	50,751	52,609	44,449	49,793	4,516	2,309
South Dakota	–	368	60,953	57,823	1,534	1,371
Tennessee	42	238	30,095	33,819	30,002	13,100
Wisconsin	243	–	93,659	101,408	10,212	12,448
PAD District 3 Total	322,635	271,798	610,229	596,059	166,290	27,743
Alabama	903	6,030	27,808	30,667	15,323	9,864
Arkansas	2,735	2,137	172,817	189,776	7,490	5,765
Louisiana	74,171	36,576	54,984	45,121	9,764	2,460
Mississippi	2,059	1,401	50,466	52,733	2,319	3,745
New Mexico	25,834	30,590	35,192	27,952	3,074	2,492
Texas	216,933	195,064	268,961	249,810	128,322	3,417
PAD District 4 Total	41,885	61,434	180,607	170,441	11,489	6,900
Colorado	5,087	13,449	51,274	39,630	1,719	1,359
Idaho	–	–	52,982	55,285	9	21
Montana	12,682	16,743	48,225	56,046	3,242	–
Utah	8,937	12,035	20,875	9,410	3,289	1,331
Wyoming	15,179	19,207	7,251	10,070	3,229	4,189
PAD District 5 Total	49,860	39,955	370,830	431,698	210,439	205,464
Alaska	37,565	25,400	48	60	71,909	58,662
Arizona	142	309	19,919	16,557	4,847	5,020
California	10,552	12,649	283,635	337,603	7,014	6,359
Hawaii	6	5	6,347	5,913	124,840	128,272
Nevada	1,113	1,043	3,464	4,866	1,132	914
Oregon	–	–	24,909	31,133	215	5,060
Washington	482	549	32,508	35,567	483	1,177

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	2003	2004	2003	2004	2003	2004
U.S. Total	**3,656,657**	**3,047,491**	**2,216,921**	**2,139,643**	**37,103,563**	**37,125,239**
PAD District 1 Total	**576,596**	**556,672**	**501,343**	**489,921**	**10,900,154**	**11,731,295**
Subdistrict 1A Total	**25,055**	**53,814**	**48,868**	**46,375**	**1,060,291**	**1,114,427**
Connecticut	3,745	3,656	6,198	7,306	221,316	284,212
Maine	1,133	74	17,242	14,031	201,804	174,373
Massachusetts	19,939	49,830	16,973	16,094	409,242	424,503
New Hampshire	210	185	3,226	3,820	101,598	111,503
Rhode Island	–	–	4,591	4,497	59,616	57,962
Vermont	29	69	638	627	66,715	61,874
Subdistrict 1B Total	**211,960**	**166,292**	**127,608**	**134,683**	**4,038,926**	**4,385,713**
Delaware	1,273	836	721	680	63,366	65,202
District of Columbia	9,608	11,315	4	39	25,579	24,276
Maryland	18,676	2,673	12,164	14,398	509,305	538,061
New Jersey	20,940	19,523	83,337	83,306	867,588	896,454
New York	89,239	76,068	10,408	13,296	1,258,604	1,410,982
Pennsylvania	72,224	55,877	20,974	22,964	1,314,484	1,450,738
Subdistrict 1C Total	**339,581**	**336,566**	**324,866**	**308,863**	**5,800,937**	**6,231,155**
Florida	90,854	72,790	158,234	148,556	1,425,356	1,567,480
Georgia	112,304	121,454	17,843	25,364	1,425,552	1,449,793
North Carolina	66,265	60,844	3,802	8,384	1,034,884	1,095,092
South Carolina	5,872	13,651	39,892	34,151	629,129	709,044
Virginia	53,887	54,029	31,101	22,204	1,015,930	1,115,628
West Virginia	10,398	13,799	73,993	70,203	270,086	294,118
PAD District 2 Total	**1,406,333**	**1,022,009**	**454,799**	**423,339**	**11,804,120**	**11,799,020**
Illinois	225,961	59,292	60,365	107,110	1,402,713	1,397,874
Indiana	105,881	85,757	8,665	7,289	1,474,547	1,242,988
Iowa	41,913	44,488	7,003	6,649	509,625	571,883
Kansas	85,755	49,475	–	–	403,967	413,594
Kentucky	99,327	85,954	85,727	89,374	712,342	856,232
Michigan	15,465	20,607	9,453	8,792	977,042	974,893
Minnesota	61,095	59,387	3,917	5,367	642,015	660,745
Missouri	54,960	47,388	95,010	65,819	968,144	1,013,808
Nebraska	42,528	40,805	–	–	377,378	402,763
North Dakota	51,041	54,422	–	–	158,901	156,154
Ohio	206,449	223,369	8,440	3,104	1,512,124	1,580,121
Oklahoma	295,345	148,118	7	6	855,483	636,979
South Dakota	4,547	4,843	–	–	169,583	175,679
Tennessee	78,685	65,590	174,700	127,881	967,596	990,608
Wisconsin	37,379	32,513	1,513	1,949	672,660	724,699
PAD District 3 Total	**963,668**	**757,761**	**886,124**	**849,224**	**5,991,419**	**6,574,471**
Alabama	51,997	56,889	71,712	116,401	706,097	786,306
Arkansas	118,065	78,238	9,133	40,574	589,387	600,997
Louisiana	52,802	37,267	470,422	419,196	673,766	658,561
Mississippi	40,828	29,989	72,120	70,417	591,531	598,448
New Mexico	15,447	11,690	–	–	439,259	465,748
Texas	684,530	543,688	262,737	202,637	2,991,379	3,464,411
PAD District 4 Total	**243,428**	**234,232**	**519**	**4**	**1,730,771**	**1,669,421**
Colorado	58,654	37,131	517	–	577,265	505,771
Idaho	21,071	21,083	2	4	228,873	238,093
Montana	25,241	38,900	–	–	193,427	222,384
Utah	36,293	33,904	–	–	350,491	365,585
Wyoming	102,167	103,214	–	–	380,715	337,588
PAD District 5 Total	**466,633**	**476,818**	**374,137**	**377,155**	**6,677,099**	**5,351,032**
Alaska	6,277	6,938	104,913	133,122	89,126	208,558
Arizona	17,106	16,354	–	–	730,271	776,419
California	270,892	310,156	61,933	46,117	4,478,284	2,844,083
Hawaii	–	–	133,725	115,769	36,631	42,788
Nevada	5,348	6,221	10	9	301,013	330,258
Oregon	77,503	58,830	12,988	11,606	448,164	521,796
Washington	89,508	78,319	60,568	70,532	593,610	627,130

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Military		Off-Highway		Total	
	2003	2004	2003	2004	2003	2004
U.S. Total	**415,702**	**358,682**	**2,591,833**	**2,746,960**	**63,854,776**	**62,257,934**
PAD District 1 Total	**107,082**	**80,996**	**865,681**	**920,223**	**23,538,922**	**23,697,290**
Subdistrict 1A Total	**8,695**	**6,788**	**124,063**	**126,922**	**4,652,572**	**4,569,750**
Connecticut	1,270	1,438	15,810	16,223	1,151,186	1,210,408
Maine	3,844	2,818	26,908	25,181	838,300	813,777
Massachusetts	1,183	669	58,364	59,268	1,695,707	1,576,948
New Hampshire	2,000	1,674	14,798	15,840	449,367	451,084
Rhode Island	20	11	3,165	2,706	285,141	273,630
Vermont	377	177	5,018	7,704	232,870	243,902
Subdistrict 1B Total	**41,947**	**26,425**	**219,203**	**249,001**	**9,779,996**	**9,844,089**
Delaware	127	126	3,709	4,254	155,512	143,652
District of Columbia	2,808	3,692	3,943	1,612	82,819	81,564
Maryland	10,132	7,581	42,205	40,544	965,300	939,456
New Jersey	17,955	2,246	43,900	86,286	1,706,442	1,690,321
New York	2,481	4,270	38,837	36,031	3,890,033	3,957,904
Pennsylvania	8,444	8,510	86,609	80,274	2,979,890	3,031,192
Subdistrict 1C Total	**56,440**	**47,784**	**522,415**	**544,300**	**9,106,354**	**9,283,450**
Florida	4,348	3,283	191,008	182,078	2,350,133	2,413,852
Georgia	5,180	3,866	99,232	113,946	1,905,615	1,921,873
North Carolina	13,425	7,385	51,528	43,600	1,546,560	1,530,900
South Carolina	2,288	8,683	54,968	62,105	846,499	923,424
Virginia	31,005	24,344	105,969	120,020	1,889,413	1,899,634
West Virginia	195	223	19,710	22,551	568,134	593,768
PAD District 2 Total	**12,278**	**12,291**	**758,112**	**804,952**	**18,093,679**	**17,615,877**
Illinois	456	264	86,751	127,763	2,082,448	1,961,933
Indiana	581	237	48,293	47,876	2,014,989	1,723,486
Iowa	360	61	22,592	23,230	816,948	857,074
Kansas	895	310	19,608	21,795	740,866	720,264
Kentucky	728	613	54,283	45,451	1,151,355	1,266,015
Michigan	814	1,006	67,658	76,377	1,311,626	1,308,352
Minnesota	646	149	76,583	72,393	1,097,195	1,111,840
Missouri	3,039	3,642	83,901	87,307	1,384,564	1,422,320
Nebraska	65	102	17,714	15,057	665,407	688,289
North Dakota	912	487	7,141	19,142	367,938	393,793
Ohio	906	1,801	94,269	82,011	2,286,761	2,354,276
Oklahoma	-	2,058	50,136	39,329	1,324,228	954,521
South Dakota	224	114	8,692	9,889	271,023	273,698
Tennessee	120	250	54,507	69,448	1,436,472	1,395,766
Wisconsin	1,075	1,197	65,985	67,884	1,141,860	1,184,250
PAD District 3 Total	**110,147**	**88,144**	**499,015**	**475,287**	**10,231,392**	**10,204,276**
Alabama	9,268	9,909	135,133	125,771	1,206,098	1,312,099
Arkansas	474	419	33,630	26,307	987,678	981,766
Louisiana	649	33,872	81,282	109,558	1,456,002	1,385,070
Mississippi	4,622	881	66,225	99,586	875,523	887,293
New Mexico	601	694	11,290	6,361	579,469	593,211
Texas	94,533	42,369	171,454	107,704	5,126,621	5,044,838
PAD District 4 Total	**5,932**	**1,012**	**132,505**	**161,106**	**2,668,716**	**2,617,539**
Colorado	1,342	709	45,171	55,602	786,543	696,222
Idaho	4,362	55	22,415	31,155	374,198	399,836
Montana	45	40	16,283	26,229	346,428	417,125
Utah	183	45	35,071	34,113	523,852	512,696
Wyoming	-	163	13,565	14,008	637,695	591,659
PAD District 5 Total	**180,263**	**176,239**	**336,521**	**385,392**	**9,322,066**	**8,122,952**
Alaska	11,611	11,537	12,215	17,662	482,934	625,548
Arizona	687	571	55,059	54,536	906,477	944,685
California	47,011	58,066	121,741	189,909	5,413,476	3,936,183
Hawaii	54,170	65,999	7,798	8,361	380,628	385,873
Nevada	776	549	24,761	27,159	399,613	477,157
Oregon	1,735	2,022	41,863	39,541	689,235	748,864
Washington	64,273	37,493	73,085	48,223	1,049,703	1,004,641

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2003-2004. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 5. Sales of Residual Fuel Oil by Energy Use, 2003 and 2004

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Power	
	2003	2004	2003	2004	2003	2004	2003	2004
U.S. Total	**755,956**	**781,944**	**1,414,052**	**1,539,830**	**84,100**	**46,818**	**5,273,089**	**4,704,027**
PAD District 1 Total	**706,251**	**731,691**	**977,763**	**1,119,427**	**52,566**	**29,438**	**4,453,268**	**4,061,320**
Subdistrict 1A Total	**150,209**	**192,682**	**224,662**	**233,570**	**691**	**231**	**1,013,906**	**808,988**
Connecticut	30,139	13,212	32,205	43,729	236	231	67,644	130,411
Maine	13,632	13,977	115,705	126,450	38	–	107,423	54,729
Massachusetts	77,455	111,228	41,435	28,913	–	–	690,853	532,774
New Hampshire	6,558	32,509	16,436	17,369	–	–	147,848	89,094
Rhode Island	15,954	15,871	12,861	11,065	417	–	139	1,981
Vermont	6,470	5,885	6,021	6,044	–	–	–	–
Subdistrict 1B Total	**527,840**	**508,662**	**181,283**	**189,255**	**51,432**	**28,801**	**1,261,743**	**1,121,164**
Delaware	11,640	7,666	16,060	31,091	11,628	–	73,067	28,365
Maryland	11,970	3,479	24,705	28,187	651	676	63,457	69,657
New Jersey	18,887	13,928	19,830	19,774	1,796	1,849	131,114	154,660
New York	461,239	459,167	67,043	58,721	695	785	808,354	699,915
Pennsylvania	24,104	24,422	53,645	51,482	36,662	25,491	185,751	168,567
Subdistrict 1C Total	**28,201**	**30,347**	**571,818**	**696,601**	**443**	**406**	**2,177,619**	**2,131,168**
Florida	714	4,712	79,550	123,045	–	–	1,839,037	1,871,445
Georgia	464	–	98,249	114,521	–	–	3,697	2,949
North Carolina	8,907	11,076	167,292	209,614	107	115	–	–
South Carolina	773	1,867	135,356	137,657	113	110	–	251
Virginia	17,343	12,692	89,236	97,974	224	181	334,885	256,522
West Virginia	–	–	2,135	13,791	–	–	–	–
PAD District 2 Total	**44,225**	**45,067**	**192,464**	**242,955**	**11,573**	**1,532**	**159,147**	**86,724**
Illinois	298	1,976	5,647	13,439	–	–	43,287	11,936
Indiana	2,711	4,582	13,349	21,366	–	–	–	–
Iowa	–	–	6,399	11,305	–	–	–	–
Kansas	–	–	26,695	26,755	–	–	60,129	38,782
Kentucky	–	–	2,497	2,344	2,638	–	–	–
Michigan	3,862	1,980	27,203	27,553	3,286	–	47,627	32,937
Minnesota	14,615	18,038	23,552	25,062	2,523	1,157	3,648	3,068
Missouri	937	656	3,573	5,072	–	–	–	–
Nebraska	615	1,963	5,410	7,242	–	–	–	–
North Dakota	4,284	735	1,829	1,787	–	–	–	–
Ohio	91	4,043	20,666	25,610	2,941	375	2,396	–
Oklahoma	–	39	20,436	24,536	–	–	2,060	–
South Dakota	–	511	1,830	3,223	130	–	–	–
Tennessee	–	525	10,562	11,504	–	–	–	–
Wisconsin	16,812	10,019	22,817	36,157	55	–	–	–
PAD District 3 Total	**3,146**	**2,826**	**215,671**	**149,972**	**8**	**8**	**230,858**	**360,694**
Alabama	–	–	11,718	17,284	–	–	–	–
Arkansas	–	14	8,039	17,887	–	–	11,825	31,887
Louisiana	3,048	2,459	122,070	54,961	–	–	85,900	141,180
Mississippi	98	352	6,922	12,431	8	8	113,126	186,401
New Mexico	–	–	6,699	4,179	–	–	–	–
Texas	–	–	60,223	43,229	–	–	20,007	1,226
PAD District 4 Total	**23**	**–**	**8,572**	**12,830**	**2,523**	**–**	**210**	**215**
Colorado	–	–	–	–	–	–	–	215
Idaho	–	–	17	–	–	–	–	–
Montana	23	–	–	1,694	242	–	–	–
Utah	–	–	2,906	6,849	1,839	–	210	–
Wyoming	–	–	5,649	4,287	441	–	–	–
PAD District 5 Total	**2,312**	**2,361**	**19,582**	**14,646**	**17,429**	**15,839**	**429,607**	**195,075**
Alaska	–	–	–	–	–	–	–	–
Arizona	–	–	–	1,314	–	–	–	–
California	–	–	1,536	560	714	–	134	–
Hawaii	–	169	62	–	15,495	15,839	428,696	195,075
Nevada	–	–	–	10	36	–	–	–
Oregon	2,262	2,192	15,019	12,119	618	–	680	–
Washington	49	–	2,965	643	565	–	96	–

See footnotes at end of table.

Table 5. Sales of Residual Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	2003	2004	2003	2004	2003	2004	2003	2004
U.S. Total	**3,873,849**	**4,690,454**	**10,249**	**30,286**	**1,538**	**1,004**	**11,412,833**	**11,794,362**
PAD District 1 Total	**1,294,069**	**1,788,718**	**4,095**	**26,382**	**1,174**	**795**	**7,489,187**	**7,757,770**
Subdistrict 1A Total	**521**	**2,078**	**-**	**-**	**250**	**494**	**1,390,239**	**1,238,044**
Connecticut	93	888	-	-	250	316	130,567	188,787
Maine	107	1,096	-	-	-	179	236,906	196,431
Massachusetts	320	95	-	-	-	-	810,063	673,009
New Hampshire	-	-	-	-	-	-	170,842	138,973
Rhode Island	-	-	-	-	-	-	29,371	28,917
Vermont	-	-	-	-	-	-	12,491	11,929
Subdistrict 1B Total	**892,057**	**968,460**	**1,122**	**10,262**	**-**	**-**	**2,915,477**	**2,826,604**
Delaware	42,545	39,650	-	-	-	-	154,939	106,772
Maryland	17,293	42,027	-	7,936	-	-	118,077	151,963
New Jersey	510,405	494,761	341	-	-	-	682,372	684,972
New York	196,041	233,710	-	-	-	-	1,533,372	1,452,297
Pennsylvania	125,773	158,311	782	2,327	-	-	426,716	430,600
Subdistrict 1C Total	**401,492**	**818,180**	**2,973**	**16,120**	**924**	**300**	**3,183,471**	**3,693,122**
Florida	193,523	511,224	-	551	924	-	2,113,749	2,510,977
Georgia	85,164	152,998	-	-	-	-	187,574	270,469
North Carolina	33,431	16,104	-	-	-	300	209,736	237,209
South Carolina	25,387	80,005	-	-	-	-	161,629	219,890
Virginia	63,987	57,849	2,973	15,569	-	-	508,648	440,786
West Virginia	-	-	-	-	-	-	2,135	13,791
PAD District 2 Total	**17,064**	**31,850**	**4,968**	**306**	**46**	**56**	**429,487**	**408,490**
Illinois	477	635	4,642	-	-	-	54,351	27,986
Indiana	3,290	6,460	-	-	-	-	19,351	32,409
Iowa	-	-	-	-	2	-	6,401	11,305
Kansas	-	-	326	306	-	-	87,149	65,844
Kentucky	134	244	-	-	-	-	5,269	2,588
Michigan	8,454	10,056	-	-	-	9	90,432	72,535
Minnesota	3,003	11,866	-	-	-	11	47,341	59,203
Missouri	548	722	-	-	-	-	5,058	6,450
Nebraska	-	-	-	-	15	-	6,041	9,205
North Dakota	-	-	-	-	-	-	6,113	2,523
Ohio	700	45	-	-	29	36	26,824	30,109
Oklahoma	-	-	-	-	-	-	22,496	24,575
South Dakota	-	-	-	-	-	-	1,960	3,733
Tennessee	351	1,690	-	-	-	-	10,913	13,719
Wisconsin	106	132	-	-	-	-	39,790	46,308
PAD District 3 Total	**1,203,982**	**1,366,153**	**-**	**2,614**	**300**	**32**	**1,653,966**	**1,882,299**
Alabama	43,215	50,059	-	832	-	-	54,933	68,175
Arkansas	-	-	-	-	-	-	19,865	49,788
Louisiana	413,578	436,468	-	-	6	-	624,602	635,069
Mississippi	35,115	67,465	-	-	278	-	155,547	266,658
New Mexico	-	-	-	-	16	32	6,714	4,212
Texas	712,074	812,161	-	1,782	-	-	792,305	858,397
PAD District 4 Total	**-**	**-**	**-**	**-**	**18**	**-**	**11,345**	**13,045**
Colorado	-	-	-	-	-	-	-	215
Idaho	-	-	-	-	-	-	17	-
Montana	-	-	-	-	-	-	265	1,694
Utah	-	-	-	-	-	-	4,955	6,849
Wyoming	-	-	-	-	18	-	6,108	4,287
PAD District 5 Total	**1,358,734**	**1,503,732**	**1,185**	**984**	**-**	**120**	**1,828,848**	**1,732,757**
Alaska	535	-	-	-	-	-	535	-
Arizona	-	-	-	-	-	-	-	1,314
California	997,869	1,114,585	1,184	-	-	-	1,001,438	1,115,144
Hawaii	39,081	58,945	-	984	-	-	483,334	271,012
Nevada	-	-	-	-	-	-	36	10
Oregon	65,175	68,711	-	-	-	-	83,754	83,022
Washington	256,074	261,492	1	-	-	120	259,751	262,255

Dashed (-) = No data reported.
Notes: • Totals may not equal sum of components due to independent rounding.
Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2003-2004.

Table 6. Sales of Kerosene by Energy Use, 2003 and 2004

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2003	2004	2003	2004	2003	2004
U.S. Total	**520,799**	**627,842**	**138,049**	**151,811**	**164,386**	**192,588**
PAD District 1 Total	**433,208**	**525,481**	**108,402**	**114,457**	**77,285**	**74,448**
Subdistrict 1A Total	**111,030**	**140,330**	**17,916**	**25,195**	**12,515**	**13,548**
Connecticut	11,336	14,660	5,241	7,227	8,755	10,157
Maine	58,456	73,100	6,751	10,540	305	704
Massachusetts	10,235	11,730	3,008	3,802	356	453
New Hampshire	17,450	21,972	1,806	1,926	540	425
Rhode Island	1,952	2,086	216	288	4	–
Vermont	11,602	16,781	894	1,413	2,555	1,809
Subdistrict 1B Total	**162,343**	**203,213**	**63,389**	**65,779**	**57,561**	**46,579**
Delaware	3,675	5,338	313	405	11	14
District of Columbia	1	3	23	31	–	–
Maryland	16,978	23,101	8,207	5,293	748	862
New Jersey	5,806	6,516	10,362	11,586	18,444	28,423
New York	68,826	86,750	27,923	31,280	35,947	14,408
Pennsylvania	67,057	81,506	16,561	17,184	2,412	2,871
Subdistrict 1C Total	**159,835**	**181,939**	**27,096**	**23,482**	**7,210**	**14,322**
Florida	4,055	3,973	802	857	272	1,568
Georgia	2,791	3,902	1,999	893	1,837	4,409
North Carolina	75,027	79,445	11,310	7,067	265	1,570
South Carolina	15,817	22,841	920	1,095	3,039	4,212
Virginia	52,954	61,068	8,190	10,171	1,380	1,960
West Virginia	9,191	10,710	3,874	3,399	417	603
PAD District 2 Total	**64,271**	**74,942**	**19,624**	**22,919**	**11,720**	**15,317**
Illinois	4,449	4,208	1,536	1,883	1,909	2,264
Indiana	8,660	10,771	1,372	1,830	948	1,693
Iowa	827	1,157	170	225	25	39
Kansas	460	441	207	345	41	47
Kentucky	7,658	8,690	1,641	1,342	1,138	1,490
Michigan	11,096	9,298	796	910	683	1,122
Minnesota	763	1,162	603	437	120	157
Missouri	3,021	3,675	889	1,283	180	424
Nebraska	183	231	146	275	45	39
North Dakota	115	204	43	83	36	34
Ohio	15,504	20,349	8,532	10,822	4,669	5,286
Oklahoma	596	704	203	277	278	308
South Dakota	95	107	87	76	5	4
Tennessee	9,693	12,255	2,268	1,799	967	1,610
Wisconsin	1,152	1,690	1,132	1,334	679	800
PAD District 3 Total	**4,557**	**5,015**	**4,964**	**6,986**	**73,410**	**99,968**
Alabama	2,077	2,804	1,021	1,071	1,257	1,478
Arkansas	682	450	136	699	17	26
Louisiana	398	405	262	3,255	63,213	84,693
Mississippi	479	646	1,846	382	836	2,280
New Mexico	154	226	238	139	52	29
Texas	768	484	1,461	1,442	8,034	11,461
PAD District 4 Total	**1,944**	**2,327**	**779**	**1,140**	**248**	**296**
Colorado	1,482	1,893	434	495	55	71
Idaho	156	277	31	177	2	33
Montana	164	49	103	121	64	85
Utah	94	78	196	330	121	91
Wyoming	48	30	16	18	7	16
PAD District 5 Total	**16,819**	**20,076**	**4,280**	**6,308**	**1,722**	**2,559**
Alaska	632	828	14	25	1	2
Arizona	99	44	51	86	36	117
California	8,217	11,605	1,987	3,016	1,062	1,288
Hawaii	–	–	2	2	4	4
Nevada	473	773	65	67	7	10
Oregon	3,173	3,917	953	1,869	486	731
Washington	4,224	2,909	1,208	1,244	126	408

See footnotes at end of table.

Table 6. Sales of Kerosene by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Farm		All Other		Total	
	2003	2004	2003	2004	2003	2004
U.S. Total	**11,674**	**14,757**	**2,572**	**1,683**	**837,480**	**988,680**
PAD District 1 Total	**4,079**	**4,952**	**1,842**	**884**	**624,816**	**720,223**
Subdistrict 1A Total	**1,122**	**1,717**	**852**	**403**	**143,435**	**181,193**
Connecticut	7	3	605	196	25,943	32,242
Maine	484	841	18	31	66,014	85,215
Massachusetts	12	13	7	–	13,618	15,998
New Hampshire	281	312	126	61	20,204	24,696
Rhode Island	–	–	5	–	2,177	2,374
Vermont	338	549	90	116	15,479	20,668
Subdistrict 1B Total	**1,945**	**2,478**	**774**	**435**	**286,012**	**318,483**
Delaware	133	246	–	–	4,132	6,004
District of Columbia	–	–	–	–	24	34
Maryland	281	647	59	90	26,273	29,992
New Jersey	14	5	1	232	34,627	46,762
New York	1,118	1,190	338	38	134,153	133,666
Pennsylvania	400	390	376	75	86,805	102,026
Subdistrict 1C Total	**1,012**	**757**	**216**	**46**	**195,369**	**220,547**
Florida	29	3	116	–	5,274	6,401
Georgia	9	21	14	9	6,650	9,234
North Carolina	222	96	1	2	86,825	88,179
South Carolina	70	111	15	–	19,862	28,259
Virginia	648	418	59	35	63,231	73,654
West Virginia	33	107	10	–	13,526	14,819
PAD District 2 Total	**5,535**	**7,138**	**370**	**430**	**101,521**	**120,747**
Illinois	426	627	9	53	8,329	9,035
Indiana	555	692	39	67	11,574	15,052
Iowa	504	599	12	2	1,538	2,024
Kansas	114	80	–	4	823	916
Kentucky	272	356	64	81	10,773	11,959
Michigan	207	231	4	4	12,786	11,565
Minnesota	361	426	48	4	1,894	2,186
Missouri	155	140	17	–	4,261	5,522
Nebraska	199	236	89	125	661	906
North Dakota	29	46	–	–	224	367
Ohio	1,721	2,719	47	36	30,473	39,212
Oklahoma	121	92	–	–	1,198	1,380
South Dakota	86	27	–	–	273	214
Tennessee	426	336	39	52	13,393	16,052
Wisconsin	359	532	–	–	3,322	4,357
PAD District 3 Total	**522**	**424**	**18**	**2**	**83,470**	**112,394**
Alabama	13	19	1	–	4,368	5,372
Arkansas	65	15	–	–	900	1,190
Louisiana	48	11	–	–	63,921	88,364
Mississippi	176	157	–	–	3,337	3,464
New Mexico	26	19	17	1	486	414
Texas	194	203	–	–	10,458	13,590
PAD District 4 Total	**120**	**204**	**9**	**4**	**3,100**	**3,972**
Colorado	65	134	4	1	2,040	2,593
Idaho	19	32	1	–	208	519
Montana	–	2	–	3	331	259
Utah	33	33	4	–	448	533
Wyoming	3	3	–	–	74	68
PAD District 5 Total	**1,418**	**2,039**	**334**	**362**	**24,573**	**31,344**
Alaska	–	–	–	–	648	855
Arizona	1	1	–	–	187	247
California	351	486	306	15	11,923	16,410
Hawaii	–	–	–	–	7	6
Nevada	3	2	–	1	548	853
Oregon	682	1,126	16	14	5,310	7,657
Washington	380	423	13	332	5,951	5,316

Dashed (-) = No data reported.

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

Sources: • Kerosene data are based on data from the Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2003-2004 and "Petroleum Supply Annual," Volume 1, 2003-2004, (DOE/EIA-0340(03)/1 - (04)/1).

Table 7. Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2004
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
U.S. Total	**108,237**	**6,536,702**	**6,644,939**	**627,842**
PAD District 1 Total	**4,641**	**5,843,099**	**5,847,740**	**525,481**
Subdistrict 1A Total	**2,620**	**2,434,375**	**2,436,995**	**140,330**
Connecticut	1	713,160	713,161	14,660
Maine	1,152	412,843	413,995	73,100
Massachusetts	578	809,630	810,208	11,730
New Hampshire	689	222,880	223,569	21,972
Rhode Island	62	163,030	163,092	2,086
Vermont	138	112,831	112,969	16,781
Subdistrict 1B Total	**1,145**	**3,017,651**	**3,018,796**	**203,213**
Delaware	–	40,435	40,435	5,338
District of Columbia	–	16,211	16,211	3
Maryland	120	171,566	171,686	23,101
New Jersey	–	415,197	415,197	6,516
New York	382	1,435,213	1,435,595	86,750
Pennsylvania	643	939,029	939,672	81,506
Subdistrict 1C Total	**876**	**391,073**	**391,949**	**181,939**
Florida	44	5,289	5,333	3,973
Georgia	–	1,687	1,687	3,902
North Carolina	–	120,172	120,172	79,445
South Carolina	42	12,010	12,052	22,841
Virginia	124	234,578	234,702	61,068
West Virginia	665	17,337	18,002	10,710
PAD District 2 Total	**56,997**	**529,373**	**586,370**	**74,942**
Illinois	1,275	11,458	12,733	4,208
Indiana	4,782	37,804	42,586	10,771
Iowa	2,482	10,996	13,478	1,157
Kansas	58	480	538	441
Kentucky	522	17,912	18,434	8,690
Michigan	8,577	76,895	85,472	9,298
Minnesota	16,725	81,775	98,500	1,162
Missouri	1,959	6,106	8,065	3,675
Nebraska	1,795	2,239	4,034	231
North Dakota	3,718	20,650	24,368	204
Ohio	4,298	135,984	140,282	20,349
Oklahoma	8	30	38	704
South Dakota	2,275	8,044	10,319	107
Tennessee	118	5,117	5,235	12,255
Wisconsin	8,405	113,882	122,287	1,690
PAD District 3 Total	**144**	**7,270**	**7,414**	**5,015**
Alabama	–	555	555	2,804
Arkansas	130	102	232	450
Louisiana	–	171	171	405
Mississippi	–	213	213	646
New Mexico	14	149	163	226
Texas	–	6,081	6,081	484
PAD District 4 Total	**5,979**	**24,860**	**30,839**	**2,327**
Colorado	70	617	687	1,893
Idaho	3,049	14,308	17,357	277
Montana	2,571	5,249	7,820	49
Utah	179	3,367	3,546	78
Wyoming	111	1,320	1,431	30
PAD District 5 Total	**40,476**	**132,100**	**172,576**	**20,076**
Alaska	35,453	35,215	70,668	828
Arizona	11	197	208	44
California	402	5,568	5,970	11,605
Hawaii	–	13	13	–
Nevada	221	6,924	7,145	773
Oregon	1,956	29,883	31,839	3,917
Washington	2,434	54,300	56,734	2,909

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Table 8. Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004
(Thousand Gallons)

Destination	Distillate Fuel Oil							Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
U.S. Total	**57,938**	**1,701,613**	**875,066**	**535,568**	**3,112,247**	**212,875**	**3,383,061**	**781,944**	**151,811**
PAD District 1 Total	**5,349**	**1,550,700**	**349,882**	**282,985**	**2,183,566**	**211,447**	**2,400,362**	**731,691**	**114,457**
Subdistrict 1A Total	**950**	**509,693**	**56,514**	**38,269**	**604,476**	**25,867**	**631,293**	**192,682**	**25,195**
Connecticut	211	120,779	20,900	1,602	143,281	5,108	148,599	13,212	7,227
Maine	535	119,228	14,977	10,234	144,439	759	145,733	13,977	10,540
Massachusetts	119	139,511	7,447	19,746	166,705	13,833	180,658	111,228	3,802
New Hampshire	58	66,317	7,070	570	73,957	2,881	76,897	32,509	1,926
Rhode Island	8	31,509	1,547	1,125	34,182	1,803	35,993	15,871	288
Vermont	19	32,348	4,572	4,992	41,912	1,483	43,414	5,885	1,413
Subdistrict 1B Total	**4,178**	**943,572**	**131,237**	**62,767**	**1,137,576**	**185,186**	**1,326,940**	**508,662**	**65,779**
Delaware	47	8,215	542	3,401	12,159	384	12,589	7,666	405
District of Columbia	3	14,172	2,792	120	17,083	2,082	19,168	–	31
Maryland	867	65,780	11,250	9,135	86,165	1,302	88,334	3,479	5,293
New Jersey	108	102,685	4,503	917	108,105	4,075	112,288	13,928	11,586
New York	1,096	554,454	83,170	23,112	660,736	172,271	834,103	459,167	31,280
Pennsylvania	2,057	198,266	28,980	26,082	253,328	5,072	260,457	24,422	17,184
Subdistrict 1C Total	**221**	**97,434**	**162,131**	**181,949**	**441,514**	**394**	**442,130**	**30,347**	**23,482**
Florida	–	2,849	103,583	60,315	166,747	–	166,747	4,712	857
Georgia	–	2,151	16,529	26,461	45,141	–	45,141	–	893
North Carolina	–	30,156	16,683	23,361	70,200	191	70,391	11,076	7,067
South Carolina	–	5,617	6,367	11,171	23,155	–	23,155	1,867	1,095
Virginia	59	51,992	14,927	59,653	126,572	203	126,833	12,692	10,171
West Virginia	163	4,668	4,042	989	9,700	–	9,862	–	3,399
PAD District 2 Total	**20,577**	**118,129**	**254,880**	**118,881**	**491,890**	**1,428**	**513,895**	**45,067**	**22,919**
Illinois	2,112	2,662	19,756	9,365	31,783	1,174	35,069	1,976	1,883
Indiana	2,494	24,752	27,839	15,750	68,341	–	70,834	4,582	1,830
Iowa	1,206	7,226	8,979	2,119	18,324	–	19,530	–	225
Kansas	889	1,007	20,124	2,116	23,248	–	24,137	–	345
Kentucky	36	1,688	18,022	13,930	33,641	–	33,677	–	1,342
Michigan	927	10,602	26,003	6,991	43,596	–	44,523	1,980	910
Minnesota	3,757	19,633	8,884	1,408	29,925	6	33,688	18,038	437
Missouri	965	2,026	25,777	6,876	34,679	–	35,644	656	1,283
Nebraska	1,631	1,714	3,576	693	5,983	–	7,613	1,963	275
North Dakota	1,122	2,416	3,016	985	6,417	–	7,539	735	83
Ohio	1,095	17,491	25,982	36,369	79,841	–	80,936	4,043	10,822
Oklahoma	27	–	10,028	2,237	12,265	–	12,292	39	277
South Dakota	792	1,819	4,425	1,081	7,326	–	8,118	511	76
Tennessee	227	577	31,109	12,961	44,647	–	44,874	525	1,799
Wisconsin	3,298	24,516	21,358	6,001	51,874	249	55,421	10,019	1,334
PAD District 3 Total	**983**	**3,831**	**95,424**	**80,749**	**180,005**	**–**	**180,988**	**2,826**	**6,986**
Alabama	10	3,092	22,536	20,649	46,277	–	46,287	–	1,071
Arkansas	–	8	4,036	17,552	21,597	–	21,597	14	699
Louisiana	841	363	5,252	5,814	11,429	–	12,270	2,459	3,255
Mississippi	–	–	5,048	3,621	8,670	–	8,670	352	382
New Mexico	132	247	13,352	3,161	16,759	–	16,892	–	139
Texas	–	122	45,200	29,952	75,273	–	75,273	–	1,442
PAD District 4 Total	**4,418**	**7,335**	**46,415**	**9,288**	**63,039**	**–**	**67,457**	**–**	**1,140**
Colorado	473	669	12,239	157	13,065	–	13,538	–	495
Idaho	487	1,936	11,409	2,958	16,303	–	16,790	–	177
Montana	553	4,134	7,546	104	11,784	–	12,337	–	121
Utah	929	557	13,111	5,922	19,591	–	20,520	–	330
Wyoming	1,976	39	2,110	147	2,296	–	4,272	–	18
PAD District 5 Total	**26,611**	**21,617**	**128,465**	**43,665**	**193,748**	**–**	**220,359**	**2,361**	**6,308**
Alaska	23,681	8,048	3,446	13,339	24,833	–	48,515	–	25
Arizona	59	133	13,613	697	14,443	–	14,502	–	86
California	8	366	60,468	8,844	69,678	–	69,686	–	3,016
Hawaii	–	21	7,922	8,042	15,985	–	15,985	169	2
Nevada	388	1,374	13,569	261	15,204	–	15,592	–	67
Oregon	887	6,620	11,904	5,407	23,932	–	24,819	2,192	1,869
Washington	1,588	5,054	17,543	7,075	29,672	–	31,260	–	1,244

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Table 9. Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004
(Thousand Gallons)

Destination	Distillate Fuel Oil							Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
U.S. Total	**39,755**	**406,270**	**804,472**	**1,033,041**	**2,243,783**	**43,066**	**2,326,604**	**1,539,830**	**192,588**
PAD District 1 Total	**1,801**	**243,547**	**103,504**	**433,200**	**780,251**	**37,618**	**819,670**	**1,119,427**	**74,448**
Subdistrict 1A Total	**616**	**60,926**	**11,216**	**8,371**	**80,513**	**11,742**	**92,871**	**233,570**	**13,548**
Connecticut	–	13,272	2,494	32	15,797	7,098	22,895	43,729	10,157
Maine	274	19,976	2,103	1,338	23,417	1,119	24,810	126,450	704
Massachusetts	–	9,387	3,250	3,601	16,238	594	16,832	28,913	453
New Hampshire	338	7,676	860	1,441	9,977	859	11,174	17,369	425
Rhode Island	–	5,409	55	1,045	6,508	1,095	7,603	11,065	–
Vermont	5	5,206	2,455	915	8,575	976	9,556	6,044	1,809
Subdistrict 1B Total	**659**	**113,355**	**23,723**	**73,111**	**210,189**	**24,070**	**234,918**	**189,255**	**46,579**
Delaware	–	1,304	1,011	423	2,738	722	3,460	31,091	14
District of Columbia	–	84	–	115	200	164	364	–	–
Maryland	659	15,753	3,722	6,003	25,478	1,005	27,141	28,187	862
New Jersey	–	25,085	973	974	27,032	13,392	40,424	19,774	28,423
New York	–	34,492	6,493	16,193	57,178	5,236	62,413	58,721	14,408
Pennsylvania	–	36,638	11,523	49,403	97,565	3,552	101,116	51,482	2,871
Subdistrict 1C Total	**526**	**69,266**	**68,566**	**351,718**	**489,549**	**1,806**	**491,881**	**696,601**	**14,322**
Florida	46	2,997	29,563	50,798	83,358	–	83,403	123,045	1,568
Georgia	–	14,144	15,586	43,394	73,123	–	73,123	114,521	4,409
North Carolina	–	13,874	10,777	36,805	61,457	607	62,064	209,614	1,570
South Carolina	5	5,482	2,531	18,296	26,310	290	26,605	137,657	4,212
Virginia	149	24,137	7,982	93,333	125,453	901	126,503	97,974	1,960
West Virginia	327	8,631	2,127	109,091	119,849	8	120,184	13,791	603
PAD District 2 Total	**16,981**	**152,683**	**195,876**	**260,583**	**609,142**	**4,466**	**630,589**	**242,955**	**15,317**
Illinois	3,523	9,711	17,850	20,880	48,442	55	52,020	13,439	2,264
Indiana	1,861	32,607	45,578	13,815	92,000	2,429	96,290	21,366	1,693
Iowa	1,313	1,044	7,009	1,873	9,927	–	11,240	11,305	39
Kansas	215	178	8,010	3,018	11,206	5	11,426	26,755	47
Kentucky	8	5,925	14,726	75,738	96,389	429	96,827	2,344	1,490
Michigan	484	6,144	4,946	16,052	27,142	5	27,631	27,553	1,122
Minnesota	2,501	40,382	16,750	1,147	58,280	27	60,808	25,062	157
Missouri	2,588	2,883	18,421	15,857	37,161	13	39,762	5,072	424
Nebraska	128	503	1,402	5,461	7,366	–	7,495	7,242	39
North Dakota	1,590	1,602	2,992	7,532	12,126	–	13,716	1,787	34
Ohio	466	27,748	8,997	49,770	86,514	1,067	88,047	25,610	5,286
Oklahoma	–	2,401	2,673	5,915	10,989	–	10,989	24,536	308
South Dakota	58	229	2,179	2,699	5,107	8	5,172	3,223	4
Tennessee	–	323	21,656	22,615	44,594	129	44,723	11,504	1,610
Wisconsin	2,245	21,003	22,685	18,212	61,900	299	64,445	36,157	800
PAD District 3 Total	**431**	**2,280**	**172,428**	**200,249**	**374,957**	**–**	**375,388**	**149,972**	**99,968**
Alabama	–	1,283	23,626	98,512	123,420	–	123,420	17,284	1,478
Arkansas	–	153	3,775	11,797	15,724	–	15,724	17,887	26
Louisiana	–	653	9,613	19,753	30,019	–	30,019	54,961	84,693
Mississippi	–	118	2,585	18,508	21,211	–	21,211	12,431	2,280
New Mexico	431	1	25,211	4,987	30,199	–	30,631	4,179	29
Texas	–	72	107,619	46,692	154,383	–	154,383	43,229	11,461
PAD District 4 Total	**5,531**	**6,667**	**185,117**	**17,377**	**209,161**	**–**	**214,693**	**12,830**	**296**
Colorado	1,607	2,611	22,817	1,310	26,737	–	28,345	–	71
Idaho	560	351	10,011	9,072	19,434	–	19,993	–	33
Montana	1,463	2,841	32,286	37	35,164	–	36,627	1,694	85
Utah	488	815	24,277	6,629	31,721	–	32,209	6,849	91
Wyoming	1,413	49	95,726	330	96,105	–	97,518	4,287	16
PAD District 5 Total	**15,010**	**1,093**	**147,547**	**121,632**	**270,272**	**982**	**286,264**	**14,646**	**2,559**
Alaska	14,044	503	8,273	21,607	30,383	–	44,427	–	2
Arizona	542	–	46,122	13,546	59,668	–	60,210	1,314	117
California	–	35	43,962	11,589	55,585	–	55,585	560	1,288
Hawaii	–	377	1,402	988	2,767	–	2,767	–	4
Nevada	316	1	29,942	52,161	82,104	982	83,402	10	10
Oregon	56	4	9,238	12,919	22,162	–	22,218	12,119	731
Washington	52	173	8,608	8,822	17,604	–	17,656	643	408

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Table 10. Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2004

(Thousand Gallons)

Destination	Farm				Electric Power		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	**3,116,917**	**72,097**	**3,189,014**	**14,757**	**823,380**	**4,704,027**	**472,920**	**46,818**
PAD District 1 Total	**360,508**	**50,205**	**410,712**	**4,952**	**420,016**	**4,061,320**	**19,682**	**29,438**
Subdistrict 1A Total	**21,680**	**15,462**	**37,141**	**1,717**	**22,998**	**808,988**	**126**	**231**
Connecticut	3,622	2,952	6,574	3	6,306	130,411	38	231
Maine	4,105	8,103	12,208	841	552	54,729	–	–
Massachusetts	5,122	312	5,434	13	13,407	532,774	45	–
New Hampshire	2,687	2,762	5,449	312	958	89,094	17	–
Rhode Island	87	92	180	–	1,575	1,981	12	–
Vermont	6,056	1,241	7,297	549	199	–	14	–
Subdistrict 1B Total	**91,502**	**28,094**	**119,597**	**2,478**	**172,061**	**1,121,164**	**9,664**	**28,801**
Delaware	6,547	11	6,557	246	4,165	28,365	5,348	–
District of Columbia	–	–	–	–	4,888	–	–	–
Maryland	18,448	62	18,511	647	30,524	69,657	2	676
New Jersey	3,794	354	4,148	5	29,952	154,660	497	1,849
New York	27,065	20,335	47,399	1,190	37,736	699,915	11	785
Pennsylvania	35,649	7,332	42,981	390	64,797	168,567	3,807	25,491
Subdistrict 1C Total	**247,326**	**6,648**	**253,974**	**757**	**224,956**	**2,131,168**	**9,892**	**406**
Florida	86,513	–	86,513	3	97,653	1,871,445	16	–
Georgia	69,856	37	69,893	21	16,154	2,949	1,451	–
North Carolina	34,985	5,301	40,286	96	22,681	–	–	115
South Carolina	19,874	846	20,720	111	13,257	251	–	110
Virginia	34,478	443	34,922	418	38,742	256,522	1,707	181
West Virginia	1,618	21	1,639	107	36,468	–	6,718	–
PAD District 2 Total	**1,559,532**	**20,572**	**1,580,103**	**7,138**	**163,258**	**86,724**	**80,051**	**1,532**
Illinois	156,007	1,659	157,666	627	12,062	11,936	81	–
Indiana	117,370	1,624	118,994	692	10,615	–	20	–
Iowa	156,346	726	157,072	599	9,444	–	–	–
Kansas	181,613	164	181,777	80	5,870	38,782	11,343	–
Kentucky	30,002	–	30,002	356	7,698	–	1,754	–
Michigan	46,479	1,300	47,780	231	20,083	32,937	1,189	–
Minnesota	110,574	1,503	112,077	426	8,727	3,068	–	1,157
Missouri	114,708	73	114,780	140	6,042	–	64	–
Nebraska	207,949	922	208,871	236	1,548	–	2	–
North Dakota	103,793	2,702	106,496	46	2,817	–	8,651	–
Ohio	95,571	6,176	101,747	2,719	49,124	–	3,732	375
Oklahoma	49,793	–	49,793	92	2,309	–	52,609	–
South Dakota	56,204	1,619	57,823	27	1,371	–	368	–
Tennessee	33,338	481	33,819	336	13,100	–	238	–
Wisconsin	99,786	1,622	101,408	532	12,448	–	–	–
PAD District 3 Total	**595,937**	**121**	**596,059**	**424**	**27,743**	**360,694**	**271,798**	**8**
Alabama	30,667	–	30,667	19	9,864	–	6,030	–
Arkansas	189,671	105	189,776	15	5,765	31,887	2,137	–
Louisiana	45,121	–	45,121	11	2,460	141,180	36,576	–
Mississippi	52,716	17	52,733	157	3,745	186,401	1,401	8
New Mexico	27,952	–	27,952	19	2,492	–	30,590	–
Texas	249,810	–	249,810	203	3,417	1,226	195,064	–
PAD District 4 Total	**169,361**	**1,080**	**170,441**	**204**	**6,900**	**215**	**61,434**	**–**
Colorado	39,611	19	39,630	134	1,359	215	13,449	–
Idaho	55,185	100	55,285	32	21	–	–	–
Montana	55,126	920	56,046	2	–	–	16,743	–
Utah	9,406	4	9,410	33	1,331	–	12,035	–
Wyoming	10,033	36	10,070	3	4,189	–	19,207	–
PAD District 5 Total	**431,579**	**119**	**431,698**	**2,039**	**205,464**	**195,075**	**39,955**	**15,839**
Alaska	60	–	60	–	58,662	–	25,400	–
Arizona	16,557	–	16,557	1	5,020	–	309	–
California	337,603	–	337,603	486	6,359	–	12,649	–
Hawaii	5,913	–	5,913	–	128,272	195,075	5	15,839
Nevada	4,845	21	4,866	2	914	–	1,043	–
Oregon	31,104	29	31,133	1,126	5,060	–	–	–
Washington	35,498	69	35,567	423	1,177	–	549	–

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Table 11. Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2004
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	**3,047,491**	**2,139,643**	**4,690,454**	**37,125,239**	**42,312,373**	**4,690,454**
PAD District 1 Total	**556,672**	**489,921**	**1,788,718**	**11,731,295**	**12,777,888**	**1,788,718**
Subdistrict 1A Total	**53,814**	**46,375**	**2,078**	**1,114,427**	**1,214,616**	**2,078**
Connecticut	3,656	7,306	888	284,212	295,174	888
Maine	74	14,031	1,096	174,373	188,478	1,096
Massachusetts	49,830	16,094	95	424,503	490,427	95
New Hampshire	185	3,820	–	111,503	115,507	–
Rhode Island	–	4,497	–	57,962	62,459	–
Vermont	69	627	–	61,874	62,570	–
Subdistrict 1B Total	**166,292**	**134,683**	**968,460**	**4,385,713**	**4,686,688**	**968,460**
Delaware	836	680	39,650	65,202	66,718	39,650
District of Columbia	11,315	39	–	24,276	35,629	–
Maryland	2,673	14,398	42,027	538,061	555,132	42,027
New Jersey	19,523	83,306	494,761	896,454	999,284	494,761
New York	76,068	13,296	233,710	1,410,982	1,500,346	233,710
Pennsylvania	55,877	22,964	158,311	1,450,738	1,529,578	158,311
Subdistrict 1C Total	**336,566**	**308,863**	**818,180**	**6,231,155**	**6,876,584**	**818,180**
Florida	72,790	148,556	511,224	1,567,480	1,788,826	511,224
Georgia	121,454	25,364	152,998	1,449,793	1,596,611	152,998
North Carolina	60,844	8,384	16,104	1,095,092	1,164,320	16,104
South Carolina	13,651	34,151	80,005	709,044	756,846	80,005
Virginia	54,029	22,204	57,849	1,115,628	1,191,861	57,849
West Virginia	13,799	70,203	–	294,118	378,120	–
PAD District 2 Total	**1,022,009**	**423,339**	**31,850**	**11,799,020**	**13,244,367**	**31,850**
Illinois	59,292	107,110	635	1,397,874	1,564,276	635
Indiana	85,757	7,289	6,460	1,242,988	1,336,034	6,460
Iowa	44,488	6,649	–	571,883	623,019	–
Kansas	49,475	–	–	413,594	463,069	–
Kentucky	85,954	89,374	244	856,232	1,031,560	244
Michigan	20,607	8,792	10,056	974,893	1,004,292	10,056
Minnesota	59,387	5,367	11,866	660,745	725,499	11,866
Missouri	47,388	65,819	722	1,013,808	1,127,015	722
Nebraska	40,805	–	–	402,763	443,568	–
North Dakota	54,422	–	–	156,154	210,576	–
Ohio	223,369	3,104	45	1,580,121	1,806,595	45
Oklahoma	148,118	6	–	636,979	785,103	–
South Dakota	4,843	–	–	175,679	180,522	–
Tennessee	65,590	127,881	1,690	990,608	1,184,078	1,690
Wisconsin	32,513	1,949	132	724,699	759,161	132
PAD District 3 Total	**757,761**	**849,224**	**1,366,153**	**6,574,471**	**8,181,456**	**1,366,153**
Alabama	56,889	116,401	50,059	786,306	959,596	50,059
Arkansas	78,238	40,574	–	600,997	719,809	–
Louisiana	37,267	419,196	436,468	658,561	1,115,023	436,468
Mississippi	29,989	70,417	67,465	598,448	698,854	67,465
New Mexico	11,690	–	–	465,748	477,438	–
Texas	543,688	202,637	812,161	3,464,411	4,210,737	812,161
PAD District 4 Total	**234,232**	**4**	**–**	**1,669,421**	**1,903,657**	**–**
Colorado	37,131	–	–	505,771	542,902	–
Idaho	21,083	4	–	238,093	259,180	–
Montana	38,900	–	–	222,384	261,284	–
Utah	33,904	–	–	365,585	399,489	–
Wyoming	103,214	–	–	337,588	440,802	–
PAD District 5 Total	**476,818**	**377,155**	**1,503,732**	**5,351,032**	**6,205,005**	**1,503,732**
Alaska	6,938	133,122	–	208,558	348,619	–
Arizona	16,354	–	–	776,419	792,773	–
California	310,156	46,117	1,114,585	2,844,083	3,200,356	1,114,585
Hawaii	–	115,769	58,945	42,788	158,557	58,945
Nevada	6,221	9	–	330,258	336,488	–
Oregon	58,830	11,606	68,711	521,796	592,232	68,711
Washington	78,319	70,532	261,492	627,130	775,982	261,492

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 12. Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004

(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other	
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Residual Fuel Oil	Kerosene
U.S. Total	**320,907**	**37,775**	**358,682**	**30,286**	**2,179,345**	**567,615**	**2,746,960**	**1,004**	**1,683**
PAD District 1 Total	**47,749**	**33,247**	**80,996**	**26,382**	**741,282**	**178,940**	**920,223**	**795**	**884**
Subdistrict 1A Total	**2,887**	**3,900**	**6,788**	**-**	**102,766**	**24,156**	**126,922**	**494**	**403**
Connecticut	47	1,391	1,438	-	16,055	169	16,223	316	196
Maine	1,420	1,398	2,818	-	12,093	13,088	25,181	179	31
Massachusetts	667	2	669	-	53,518	5,750	59,268	-	-
New Hampshire	698	977	1,674	-	12,349	3,491	15,840	-	61
Rhode Island	11	-	11	-	2,703	2	2,706	-	-
Vermont	44	133	177	-	6,048	1,657	7,704	-	116
Subdistrict 1B Total	**9,305**	**17,119**	**26,425**	**10,262**	**230,564**	**18,437**	**249,001**	**-**	**435**
Delaware	28	98	126	-	4,177	77	4,254	-	-
District of Columbia	2,198	1,494	3,692	-	1,612	-	1,612	-	-
Maryland	1,513	6,068	7,581	7,936	39,489	1,055	40,544	-	90
New Jersey	996	1,250	2,246	-	80,712	5,575	86,286	-	232
New York	2,313	1,957	4,270	-	35,759	272	36,031	-	38
Pennsylvania	2,258	6,252	8,510	2,327	68,816	11,458	80,274	-	75
Subdistrict 1C Total	**35,556**	**12,228**	**47,784**	**16,120**	**407,953**	**136,347**	**544,300**	**300**	**46**
Florida	3,283	-	3,283	551	155,380	26,698	182,078	-	-
Georgia	2,807	1,058	3,866	-	66,601	47,345	113,946	-	9
North Carolina	2,013	5,372	7,385	-	35,393	8,207	43,600	300	2
South Carolina	8,565	118	8,683	-	38,699	23,406	62,105	-	-
Virginia	18,812	5,533	24,344	15,569	94,324	25,696	120,020	-	35
West Virginia	75	147	223	-	17,556	4,995	22,551	-	-
PAD District 2 Total	**10,000**	**2,292**	**12,291**	**306**	**706,968**	**97,983**	**804,952**	**56**	**430**
Illinois	246	18	264	-	123,220	4,543	127,763	-	53
Indiana	171	66	237	-	43,269	4,607	47,876	-	67
Iowa	61	-	61	-	20,445	2,785	23,230	-	2
Kansas	310	-	310	306	21,059	736	21,795	-	4
Kentucky	355	258	613	-	36,591	8,860	45,451	-	81
Michigan	1,003	3	1,006	-	67,174	9,204	76,377	9	4
Minnesota	112	37	149	-	58,181	14,212	72,393	11	4
Missouri	2,605	1,037	3,642	-	79,104	8,203	87,307	-	-
Nebraska	102	-	102	-	12,642	2,415	15,057	-	125
North Dakota	487	-	487	-	18,262	880	19,142	-	-
Ohio	1,398	404	1,801	-	78,478	3,533	82,011	36	36
Oklahoma	2,058	-	2,058	-	36,624	2,704	39,329	-	-
South Dakota	114	-	114	-	8,990	899	9,889	-	-
Tennessee	213	37	250	-	50,987	18,461	69,448	-	52
Wisconsin	766	431	1,197	-	51,942	15,942	67,884	-	-
PAD District 3 Total	**87,272**	**872**	**88,144**	**2,614**	**287,713**	**187,574**	**475,287**	**32**	**2**
Alabama	9,489	420	9,909	832	76,981	48,790	125,771	-	-
Arkansas	283	136	419	-	9,934	16,373	26,307	-	-
Louisiana	33,872	-	33,872	-	63,208	46,350	109,558	-	-
Mississippi	565	316	881	-	48,579	51,006	99,586	-	-
New Mexico	694	-	694	-	5,154	1,208	6,361	32	1
Texas	42,369	1	42,369	1,782	83,858	23,847	107,704	-	-
PAD District 4 Total	**851**	**160**	**1,012**	**-**	**120,564**	**40,542**	**161,106**	**-**	**4**
Colorado	565	144	709	-	54,886	716	55,602	-	1
Idaho	55	-	55	-	12,962	18,193	31,155	-	-
Montana	24	16	40	-	12,346	13,883	26,229	-	3
Utah	45	-	45	-	28,610	5,502	34,113	-	-
Wyoming	163	-	163	-	11,760	2,248	14,008	-	-
PAD District 5 Total	**175,035**	**1,203**	**176,239**	**984**	**322,817**	**62,575**	**385,392**	**120**	**362**
Alaska	10,393	1,144	11,537	-	13,080	4,582	17,662	-	-
Arizona	511	60	571	-	51,527	3,010	54,536	-	-
California	58,066	-	58,066	-	179,542	10,366	189,909	-	15
Hawaii	65,999	-	65,999	984	7,294	1,067	8,361	-	-
Nevada	549	-	549	-	26,075	1,084	27,159	-	1
Oregon	2,022	-	2,022	-	16,824	22,718	39,541	-	14
Washington	37,493	-	37,493	-	28,474	19,749	48,223	120	332

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Adjusted Sales of Fuel Oil and Kerosene in 2004

Tables 13 through 24 contain estimates of distillate fuel oil that have been adjusted at the PAD district level to equal published EIA volume estimates of petroleum products supplied in the U.S. marketplace. The kerosene and residual fuel oil sales estimates have been adjusted at the national level. The products supplied estimates can be found in the 2000 through 2004 issues of the *Petroleum Supply Annual, Volume 1 (PSA)*. In addition, electric power generation data and on-highway diesel data are used in lieu of adjusted survey results. See "Technical Note 3" in Appendix A for further explanation of data adjustments.

Total domestic adjusted sales of fuel oil and kerosene increased 5.2 percent from 72.8 billion gallons in 2003 to 76.6 billion gallons in 2004. Adjusted sales of distillate and residual fuel oils and kerosene all increased by 3.6, 12.3 and 18.1 percent, respectively in 2004.

NOTE: The 2003 adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2003*. The revisions to the data were made to include new distillate and residual volumes for "Electric Power". When we originally published the *Fuel Oil and Kerosene Sales 2003*, the "Electric Power" information was still being collected and verified

Table 13. Adjusted Sales of Distillate Fuel Oil by Energy Use in the United States: 2000-2004
(Thousand Gallons)

Energy Use	Distillate Fuel Oil				
	2000	2001	2002	2003	2004
U.S. Total	57,217,230	58,971,486	57,884,652	60,201,666	62,383,608
Residential	6,123,946	6,275,678	5,885,280	R6,095,568	5,997,355
Commercial	3,324,687	3,512,488	3,043,558	R3,184,539	3,197,274
Industrial	2,117,531	2,329,029	2,223,793	R2,032,835	2,417,821
Oil Company	671,170	822,797	821,883	R466,425	554,196
Farm	3,122,416	3,434,936	3,158,072	R2,696,987	3,507,731
Electric Power	1,139,740	1,455,075	789,751	R1,233,615	735,002
Railroad	3,026,147	2,958,815	3,061,280	R3,086,390	3,310,588
Vessel Bunkering	2,041,433	2,099,011	2,056,465	R1,863,150	2,319,308
On-Highway Diesel	33,129,664	33,215,320	34,308,885	37,103,563	37,125,239
Military	227,998	347,220	327,145	R273,754	358,519
Off-Highway Diesel	2,292,498	2,521,118	2,208,540	R2,164,839	2,860,575

R = Revised.

Notes: • See Technical Note 3 for further explanations on 2004 revised data and adjustments. • Distillate fuel oil data in the Adjusted Sales tables (13-24) are adjusted at the PAD District level. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2000-2004 and "Petroleum Supply Annual," Volume 1, 2000-2004, (DOE/EIA-0340(00)/1 - (04)/1). • See Technical Note 3 for further explanation of Electric Power. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 14. Adjusted Sales of Residual Fuel Oil by Energy Use in the United States: 2000-2004
(Thousand Gallons)

Energy Use	Residual Fuel Oil				
	2000	2001	2002	2003	2004
U.S. Total	13,966,134	13,508,460	10,724,994	11,836,776	13,292,286
Commercial	641,810	520,335	564,516	R741,823	812,627
Industrial	1,531,336	1,403,638	1,234,188	R1,387,615	1,600,251
Oil Company	148,311	106,176	107,244	R82,527	48,655
Electric Power	5,418,215	7,112,731	4,027,869	R5,811,820	5,923,734
Vessel Bunkering	6,192,294	4,345,284	4,783,956	R3,801,425	4,874,502
Military	27,462	16,160	3,831	R10,057	31,475
All Other	6,706	4,136	3,389	R1,509	1,043

R = Revised.

Notes: • See "Technical Note 3" for further explanations on 2003 and 2004 revised data and adjustments. • Residual fuel oil data in the Adjusted Sales tables (13-24) are adjusted at the national level. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2000-2004 and "Petroleum Supply Annual," Volume 1, 2000-2004, (DOE/EIA-0340(00)/1 - (04)/1). • See Technical Note 3 for further explanation of Electric Power.

Table 15. Adjusted Sales of Kerosene by Energy Use in the United States: 2000-2004
(Thousand Gallons)

Energy Use	Kerosene				
	2000	2001	2002	2003	2004
U.S. Total	**1,036,014**	**1,108,926**	**664,314**	**837,480**	**988,680**
Residential	700,532	704,305	443,919	520,799	627,842
Commercial	219,633	232,608	118,125	138,049	151,811
Industrial	86,844	141,317	77,508	164,386	192,588
Farm	23,084	27,162	19,390	11,674	14,757
All Other	5,921	3,535	5,372	2,572	1,683

Notes: • See Technical Note 3 for further explanation on adjustments. • Kerosene data in the Adjusted Sales tables (13-24) are adjusted at the national level. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2000-2004 and "Petroleum Supply Annual," Volume 1, 2000-2004, (DOE/EIA-0340(00)/1 - (04)/1).

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	R2003	2004	R2003	2004	R2003	2004
U.S. Total	**6,095,568**	**5,997,355**	**3,184,539**	**3,197,274**	**2,032,835**	**2,417,821**
PAD District 1 Total	**5,456,353**	**5,120,586**	**2,307,584**	**2,101,882**	**754,669**	**717,746**
Subdistrict 1A Total	**2,212,242**	**2,133,959**	**664,293**	**552,793**	**105,191**	**81,323**
Connecticut	612,023	624,481	139,819	130,121	46,903	20,048
Maine	353,264	362,516	146,814	127,612	15,218	21,725
Massachusetts	808,186	709,461	222,777	158,193	19,103	14,739
New Hampshire	198,496	195,769	77,965	67,335	10,428	9,784
Rhode Island	148,226	142,812	39,217	31,517	6,064	6,658
Vermont	92,047	98,922	37,701	38,015	7,474	8,368
Subdistrict 1B Total	**2,877,500**	**2,643,415**	**1,256,786**	**1,161,937**	**178,982**	**205,706**
Delaware	42,278	35,407	11,727	11,024	2,638	3,030
District of Columbia	14,067	14,195	14,857	16,785	215	319
Maryland	164,780	150,337	89,292	77,350	23,240	23,766
New Jersey	412,140	363,568	122,095	98,325	37,479	35,397
New York	1,354,077	1,257,082	768,040	730,384	41,122	54,652
Pennsylvania	890,158	822,826	250,776	228,070	74,288	88,543
Subdistrict 1C Total	**366,611**	**343,211**	**386,505**	**387,152**	**470,496**	**430,717**
Florida	4,449	4,670	106,469	146,012	90,451	73,032
Georgia	1,501	1,478	36,546	39,528	92,271	64,030
North Carolina	118,698	105,229	85,022	61,638	52,914	54,346
South Carolina	17,284	10,554	23,436	20,276	25,060	23,296
Virginia	205,794	205,517	126,001	111,062	101,342	110,772
West Virginia	18,885	15,764	9,031	8,636	108,457	105,239
PAD District 2 Total	**566,216**	**673,015**	**505,379**	**589,830**	**579,670**	**723,768**
Illinois	9,794	14,615	55,303	40,250	53,868	59,706
Indiana	45,404	48,879	66,962	81,301	93,672	110,519
Iowa	15,030	15,469	26,940	22,416	7,198	12,900
Kansas	713	617	25,316	27,704	21,466	13,114
Kentucky	19,325	21,158	30,490	38,653	91,956	111,134
Michigan	88,229	98,101	45,766	51,101	21,470	31,714
Minnesota	93,274	113,055	29,375	38,666	43,566	69,793
Missouri	7,966	9,256	32,476	40,911	31,792	45,637
Nebraska	3,457	4,630	8,171	8,738	6,310	8,602
North Dakota	19,983	27,969	7,090	8,653	13,323	15,743
Ohio	129,110	161,012	69,803	92,896	72,954	101,058
Oklahoma	37	44	3,779	14,109	15,898	12,613
South Dakota	12,143	11,844	5,054	9,317	5,557	5,937
Tennessee	4,671	6,009	42,465	51,505	42,781	51,331
Wisconsin	117,081	140,357	56,389	63,610	57,858	73,967
PAD District 3 Total	**879**	**9,221**	**253,791**	**225,104**	**441,410**	**466,889**
Alabama	335	690	48,247	57,569	143,192	153,504
Arkansas	163	288	32,878	26,861	22,031	19,557
Louisiana	189	212	15,701	15,261	23,068	37,336
Mississippi	45	266	19,672	10,783	26,582	26,381
New Mexico	138	202	17,717	21,009	31,934	38,097
Texas	10	7,563	119,575	93,621	194,603	192,014
PAD District 4 Total	**22,622**	**35,213**	**53,610**	**77,024**	**190,952**	**245,141**
Colorado	411	784	11,236	15,458	26,169	32,365
Idaho	11,618	19,818	11,000	19,171	14,339	22,829
Montana	7,036	8,928	6,206	14,086	26,044	41,822
Utah	2,501	4,049	19,532	23,430	35,057	36,777
Wyoming	1,056	1,633	5,637	4,878	89,343	111,349
PAD District 5 Total	**49,497**	**159,320**	**64,174**	**203,433**	**66,135**	**264,276**
Alaska	17,460	65,239	11,055	44,788	12,382	41,015
Arizona	111	192	5,823	13,388	15,558	55,585
California	1,431	5,512	21,306	64,333	13,542	51,316
Hawaii	4	12	3,350	14,758	1,334	2,554
Nevada	2,017	6,596	3,325	14,395	11,643	76,995
Oregon	10,682	29,393	6,277	22,913	5,468	20,511
Washington	17,792	52,377	13,038	28,859	6,207	16,300

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Power	
	R2003	2004	R2003	2004	R2003	2004
U.S. Total	**466,425**	**554,196**	**2,696,987**	**3,507,731**	**1,233,615**	**735,002**
PAD District 1 Total	**23,857**	**17,235**	**444,199**	**359,641**	**610,073**	**374,933**
Subdistrict 1A Total	**664**	**110**	**33,136**	**32,523**	**24,907**	**20,530**
Connecticut	7	33	7,022	5,757	4,707	5,629
Maine	196	–	10,795	10,690	577	493
Massachusetts	–	39	4,678	4,758	14,969	11,968
New Hampshire	–	15	5,260	4,771	1,910	855
Rhode Island	462	10	81	157	1,479	1,406
Vermont	–	13	5,300	6,390	1,264	178
Subdistrict 1B Total	**13,154**	**8,462**	**105,945**	**104,725**	**212,920**	**153,593**
Delaware	7,482	4,683	6,479	5,742	8,159	3,718
District of Columbia	–	–	–	–	9,013	4,363
Maryland	–	2	18,368	16,209	46,352	27,248
New Jersey	1,506	435	5,184	3,632	29,859	26,737
New York	2	10	42,455	41,505	33,352	33,685
Pennsylvania	4,164	3,333	33,459	37,637	86,185	57,842
Subdistrict 1C Total	**10,039**	**8,662**	**305,118**	**222,393**	**372,247**	**200,810**
Florida	31	14	146,068	75,755	99,845	87,171
Georgia	257	1,271	71,799	61,202	21,335	14,420
North Carolina	1,153	–	37,066	35,277	51,467	20,247
South Carolina	1,229	–	17,214	18,144	21,966	11,834
Virginia	3,745	1,495	31,800	30,579	138,569	34,584
West Virginia	3,624	5,882	1,171	1,435	39,065	32,554
PAD District 2 Total	**64,746**	**91,880**	**1,378,182**	**1,813,588**	**206,272**	**145,734**
Illinois	58	93	146,048	180,963	9,961	10,767
Indiana	–	23	116,000	136,577	17,492	9,475
Iowa	–	–	155,117	180,282	7,110	8,430
Kansas	8,503	13,019	143,722	208,637	7,429	5,240
Kentucky	1,270	2,014	27,143	34,435	8,930	6,872
Michigan	697	1,364	42,245	54,840	20,355	17,927
Minnesota	–	–	105,119	128,638	9,662	7,790
Missouri	114	73	82,474	131,741	6,532	5,393
Nebraska	–	2	182,807	239,735	3,057	1,382
North Dakota	5,364	9,929	86,293	122,232	2,168	2,515
Ohio	3,179	4,284	86,647	116,781	63,850	43,852
Oklahoma	45,305	60,383	39,679	57,150	4,854	2,061
South Dakota	–	423	54,412	66,367	1,649	1,224
Tennessee	37	273	26,866	38,816	32,247	11,694
Wisconsin	217	–	83,609	116,392	10,976	11,112
PAD District 3 Total	**329,362**	**338,049**	**622,951**	**741,349**	**178,734**	**24,765**
Alabama	921	7,500	28,388	38,142	16,469	8,805
Arkansas	2,792	2,658	176,420	236,034	8,050	5,146
Louisiana	75,717	45,491	56,131	56,119	10,494	2,196
Mississippi	2,102	1,742	51,518	65,586	2,492	3,343
New Mexico	26,373	38,047	35,926	34,765	3,304	2,225
Texas	221,456	242,611	274,568	310,702	137,924	3,050
PAD District 4 Total	**34,800**	**70,147**	**150,056**	**194,614**	**12,349**	**6,160**
Colorado	4,227	15,357	42,601	45,251	1,848	1,213
Idaho	–	–	44,020	63,126	9	19
Montana	10,537	19,117	40,067	63,995	–	–
Utah	7,425	13,741	17,344	10,744	3,536	1,188
Wyoming	12,611	21,931	6,025	11,498	3,471	3,739
PAD District 5 Total	**13,661**	**36,886**	**101,599**	**398,540**	**226,187**	**183,411**
Alaska	10,292	23,449	13	55	77,290	52,365
Arizona	39	286	5,457	15,285	5,210	4,481
California	2,891	11,677	77,709	311,672	7,539	5,676
Hawaii	2	5	1,739	5,458	134,182	114,504
Nevada	305	963	949	4,492	1,216	816
Oregon	–	–	6,824	28,741	231	4,517
Washington	132	507	8,907	32,835	519	1,051

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	R2003	2004	R2003	2004	2003	2004
U.S. Total	**3,086,390**	**3,310,588**	**1,863,150**	**2,319,308**	**37,103,563**	**37,125,239**
PAD District 1 Total	**517,109**	**487,451**	**449,619**	**429,000**	**10,900,154**	**11,731,295**
Subdistrict 1A Total	**22,470**	**47,122**	**43,827**	**40,608**	**1,060,291**	**1,114,427**
Connecticut	3,358	3,201	5,559	6,398	221,316	284,212
Maine	1,016	65	15,464	12,286	201,804	174,373
Massachusetts	17,882	43,634	15,222	14,093	409,242	424,503
New Hampshire	188	162	2,893	3,345	101,598	111,503
Rhode Island	–	–	4,117	3,938	59,616	57,962
Vermont	26	61	572	549	66,715	61,874
Subdistrict 1B Total	**190,092**	**145,614**	**114,442**	**117,935**	**4,038,926**	**4,385,713**
Delaware	1,141	732	647	596	63,366	65,202
District of Columbia	8,617	9,908	4	34	25,579	24,276
Maryland	16,749	2,341	10,909	12,607	509,305	538,061
New Jersey	18,779	17,096	74,739	72,947	867,588	896,454
New York	80,032	66,609	9,334	11,642	1,258,604	1,410,982
Pennsylvania	64,773	48,928	18,810	20,108	1,314,484	1,450,738
Subdistrict 1C Total	**304,547**	**294,715**	**291,350**	**270,457**	**5,800,937**	**6,231,155**
Florida	81,481	63,739	141,909	130,083	1,425,356	1,567,480
Georgia	100,718	106,351	16,003	22,210	1,425,552	1,449,793
North Carolina	59,429	53,279	3,410	7,341	1,034,884	1,095,092
South Carolina	5,267	11,953	35,777	29,905	629,129	709,044
Virginia	48,328	47,310	27,893	19,443	1,015,930	1,115,628
West Virginia	9,325	12,083	66,360	61,474	270,086	294,118
PAD District 2 Total	**1,255,425**	**1,173,026**	**405,996**	**485,893**	**11,804,120**	**11,799,020**
Illinois	201,714	68,053	53,887	122,937	1,402,713	1,397,874
Indiana	94,519	98,429	7,735	8,366	1,474,547	1,242,988
Iowa	37,415	51,061	6,251	7,631	509,625	571,883
Kansas	76,553	56,786	–	–	403,967	413,594
Kentucky	88,669	98,655	76,528	102,580	712,342	856,232
Michigan	13,806	23,652	8,438	10,091	977,042	974,893
Minnesota	54,540	68,162	3,496	6,160	642,015	660,745
Missouri	49,063	54,391	84,815	75,545	968,144	1,013,808
Nebraska	37,965	46,835	–	–	377,378	402,763
North Dakota	45,564	62,464	–	–	158,901	156,154
Ohio	184,296	256,375	7,534	3,563	1,512,124	1,580,121
Oklahoma	263,653	170,005	7	7	855,483	636,979
South Dakota	4,059	5,559	–	–	169,583	175,679
Tennessee	70,242	75,282	155,954	146,777	967,596	990,608
Wisconsin	33,368	37,317	1,351	2,237	672,660	724,699
PAD District 3 Total	**983,759**	**942,466**	**904,599**	**1,056,224**	**5,991,419**	**6,574,471**
Alabama	53,081	70,756	73,207	144,774	706,097	786,306
Arkansas	120,526	97,309	9,323	50,464	589,387	600,997
Louisiana	53,903	46,350	480,229	521,375	673,766	658,561
Mississippi	41,679	37,299	73,624	87,581	591,531	598,448
New Mexico	15,769	14,539	–	–	439,259	465,748
Texas	698,802	676,213	268,215	252,031	2,991,379	3,464,411
PAD District 4 Total	**202,250**	**267,451**	**431**	**5**	**1,730,771**	**1,669,421**
Colorado	48,733	42,398	429	–	577,265	505,771
Idaho	17,507	24,073	2	5	228,873	238,093
Montana	20,972	44,417	–	–	193,427	222,384
Utah	30,154	38,712	–	–	350,491	365,585
Wyoming	84,885	117,852	–	–	380,715	337,588
PAD District 5 Total	**127,847**	**440,194**	**102,505**	**348,186**	**6,677,099**	**5,351,032**
Alaska	1,720	6,405	28,744	122,897	89,126	208,558
Arizona	4,687	15,098	–	–	730,271	776,419
California	74,218	286,333	16,968	42,575	4,478,284	2,844,083
Hawaii	–	–	36,637	106,877	36,631	42,788
Nevada	1,465	5,743	3	8	301,013	330,258
Oregon	21,234	54,311	3,558	10,714	448,164	521,796
Washington	24,523	72,304	16,594	65,115	593,610	627,130

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Military		Off-Highway		Total	
	R2003	2004	R2003	2004	R2003	2004
U.S. Total	**273,754**	**358,519**	**2,164,839**	**2,860,575**	**60,201,666**	**62,383,608**
PAD District 1 Total	**96,035**	**70,925**	**776,369**	**805,795**	**22,336,020**	**22,216,488**
Subdistrict 1A Total	**7,798**	**5,944**	**111,264**	**111,139**	**4,286,083**	**4,140,479**
Connecticut	1,139	1,260	14,179	14,206	1,056,031	1,095,345
Maine	3,447	2,468	24,132	22,050	772,729	734,278
Massachusetts	1,061	586	52,343	51,898	1,565,462	1,433,872
New Hampshire	1,794	1,466	13,271	13,870	413,805	408,875
Rhode Island	18	10	2,838	2,369	262,119	246,839
Vermont	338	155	4,500	6,746	215,937	221,270
Subdistrict 1B Total	**37,619**	**23,139**	**196,587**	**218,038**	**9,222,954**	**9,168,279**
Delaware	114	110	3,326	3,725	147,357	133,968
District of Columbia	2,518	3,233	3,536	1,411	78,406	74,524
Maryland	9,086	6,639	37,850	35,503	925,931	890,063
New Jersey	16,103	1,966	39,371	75,557	1,624,843	1,592,115
New York	2,225	3,739	34,830	31,550	3,624,073	3,641,841
Pennsylvania	7,572	7,452	77,673	70,292	2,822,344	2,835,768
Subdistrict 1C Total	**50,617**	**41,842**	**468,517**	**476,617**	**8,826,983**	**8,907,731**
Florida	3,899	2,875	171,302	159,437	2,271,259	2,310,269
Georgia	4,646	3,385	88,994	99,777	1,859,621	1,863,446
North Carolina	12,040	6,466	46,212	38,179	1,502,294	1,477,094
South Carolina	2,052	7,603	49,297	54,382	827,711	896,992
Virginia	27,806	21,317	95,036	105,096	1,822,244	1,802,803
West Virginia	174	195	17,676	19,747	543,854	557,127
PAD District 2 Total	**10,960**	**14,108**	**676,763**	**923,895**	**17,453,730**	**18,433,758**
Illinois	407	303	77,442	146,642	2,011,196	2,042,204
Indiana	519	272	43,111	54,950	1,959,961	1,791,779
Iowa	321	70	20,168	26,663	785,176	896,806
Kansas	799	356	17,504	25,016	705,974	764,082
Kentucky	650	703	48,458	52,167	1,105,760	1,324,603
Michigan	727	1,155	60,398	87,663	1,279,172	1,352,502
Minnesota	576	171	68,365	83,090	1,049,989	1,176,270
Missouri	2,713	4,180	74,898	100,208	1,340,987	1,481,143
Nebraska	58	117	15,813	17,282	635,018	730,085
North Dakota	814	559	6,375	21,970	345,875	428,189
Ohio	809	2,068	84,154	94,129	2,214,458	2,456,138
Oklahoma	-	2,362	44,756	45,140	1,274,752	1,000,853
South Dakota	200	131	7,760	11,350	260,418	287,832
Tennessee	107	287	48,658	79,710	1,391,623	1,452,292
Wisconsin	960	1,373	58,904	77,915	1,093,372	1,248,980
PAD District 3 Total	**112,443**	**109,630**	**509,418**	**591,139**	**10,328,766**	**11,079,306**
Alabama	9,462	12,325	137,951	156,428	1,217,349	1,436,799
Arkansas	484	521	34,331	32,719	996,386	1,072,554
Louisiana	662	42,129	82,977	136,263	1,472,838	1,561,294
Mississippi	4,718	1,096	67,606	123,860	881,569	956,385
New Mexico	614	863	11,525	7,912	582,559	623,405
Texas	96,504	52,697	175,029	133,957	5,178,065	5,428,869
PAD District 4 Total	**4,929**	**1,155**	**110,091**	**183,955**	**2,512,860**	**2,750,286**
Colorado	1,115	810	37,530	63,487	751,562	722,894
Idaho	3,625	62	18,624	35,574	349,618	422,770
Montana	38	46	13,529	29,949	321,338	444,744
Utah	152	51	29,139	38,951	495,330	533,229
Wyoming	-	186	11,270	15,995	595,013	626,649
PAD District 5 Total	**49,388**	**162,702**	**92,199**	**355,790**	**7,570,290**	**7,903,770**
Alaska	3,181	10,650	3,347	16,306	254,609	591,728
Arizona	188	527	15,085	50,347	782,429	931,608
California	12,880	53,606	33,354	175,322	4,740,122	3,852,105
Hawaii	14,841	60,930	2,137	7,719	230,857	355,605
Nevada	213	507	6,784	25,073	328,933	465,846
Oregon	475	1,867	11,470	36,504	514,384	731,269
Washington	17,609	34,614	20,024	44,519	718,956	975,609

Dashed (-) = No data reported. R = Revised.

Notes: • See "Technical Note 3" for further explanations on 2003 revised data. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2003-2004 and "Petroleum Supply Annual," Volume 1, 2003-2004, (DOE/EIA-0340(03)/1 - (04)/1). • See "Technical Note 3" in for further explanation of Electric Power. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 17. Adjusted Sales of Residual Fuel Oil by Energy Use, 2003 and 2004

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Power	
	R2003	2004	R2003	2004	R2003	2004	R2003	2004
U.S. Total	**741,823**	**812,627**	**1,387,615**	**1,600,251**	**82,527**	**48,655**	**5,811,820**	**5,923,734**
PAD District 1 Total	**693,047**	**760,402**	**959,483**	**1,163,352**	**51,584**	**30,593**	**4,908,241**	**5,114,379**
Subdistrict 1A Total	**147,401**	**200,242**	**220,462**	**242,735**	**678**	**241**	**1,117,493**	**1,018,751**
Connecticut	29,575	13,730	31,603	45,445	231	241	74,555	164,225
Maine	13,378	14,526	113,542	131,412	38	–	118,398	68,919
Massachusetts	76,007	115,592	40,660	30,047	–	–	761,434	670,916
New Hampshire	6,436	33,785	16,129	18,051	–	–	162,953	112,196
Rhode Island	15,656	16,494	12,620	11,499	409	–	153	2,494
Vermont	6,349	6,116	5,908	6,281	–	–	–	–
Subdistrict 1B Total	**517,972**	**528,622**	**177,894**	**196,681**	**50,470**	**29,931**	**1,390,650**	**1,411,870**
Delaware	11,423	7,966	15,759	32,311	11,410	–	80,532	35,720
Maryland	11,747	3,616	24,243	29,293	639	703	69,941	87,719
New Jersey	18,534	14,475	19,460	20,550	1,762	1,922	144,509	194,762
New York	452,616	477,185	65,790	61,025	682	815	890,940	881,395
Pennsylvania	23,653	25,381	52,642	53,502	35,976	26,491	204,728	212,274
Subdistrict 1C Total	**27,674**	**31,538**	**561,127**	**723,935**	**435**	**422**	**2,400,098**	**2,683,758**
Florida	701	4,897	78,063	127,873	–	–	2,026,924	2,356,692
Georgia	456	–	96,412	119,015	–	–	4,075	3,714
North Carolina	8,740	11,510	164,164	217,839	105	120	–	–
South Carolina	759	1,941	132,825	143,058	110	114	–	317
Virginia	17,019	13,190	87,568	101,818	220	188	369,099	323,035
West Virginia	–	–	2,095	14,332	–	–	–	–
PAD District 2 Total	**43,398**	**46,835**	**188,866**	**252,488**	**11,357**	**1,592**	**175,406**	**109,211**
Illinois	292	2,053	5,541	13,966	–	–	47,709	15,031
Indiana	2,661	4,762	13,099	22,205	–	–	–	–
Iowa	–	–	6,279	11,748	–	–	–	–
Kansas	–	–	26,195	27,805	–	–	66,272	48,838
Kentucky	–	–	2,451	2,436	2,588	–	–	–
Michigan	3,790	2,058	26,694	28,634	3,225	–	52,493	41,477
Minnesota	14,341	18,745	23,112	26,046	2,476	1,203	4,020	3,864
Missouri	920	681	3,506	5,271	–	–	–	–
Nebraska	604	2,041	5,309	7,526	–	–	–	–
North Dakota	4,204	764	1,795	1,858	–	–	–	–
Ohio	89	4,202	20,280	26,615	2,886	390	2,641	–
Oklahoma	–	40	20,054	25,499	–	–	2,270	–
South Dakota	–	531	1,795	3,349	128	–	–	–
Tennessee	–	546	10,365	11,955	–	–	–	–
Wisconsin	16,498	10,412	22,390	37,576	54	–	–	–
PAD District 3 Total	**3,087**	**2,936**	**211,639**	**155,856**	**8**	**9**	**254,444**	**454,218**
Alabama	–	–	11,499	17,962	–	–	–	–
Arkansas	–	15	7,889	18,589	–	–	13,033	40,155
Louisiana	2,991	2,556	119,788	57,118	–	–	94,676	177,787
Mississippi	96	366	6,793	12,919	8	9	124,683	234,733
New Mexico	–	–	6,573	4,343	–	–	–	–
Texas	–	–	59,097	44,925	–	–	22,051	1,543
PAD District 4 Total	**22**	**–**	**8,412**	**13,334**	**2,476**	**–**	**231**	**271**
Colorado	–	–	–	–	–	–	–	271
Idaho	–	–	16	–	–	–	–	–
Montana	22	–	–	1,761	238	–	–	–
Utah	–	–	2,851	7,118	1,805	–	231	–
Wyoming	–	–	5,544	4,455	433	–	–	–
PAD District 5 Total	**2,268**	**2,454**	**19,216**	**15,221**	**17,103**	**16,461**	**473,498**	**245,655**
Alaska	–	–	–	–	–	–	–	–
Arizona	–	–	–	1,366	–	–	–	–
California	–	–	1,508	582	701	–	148	–
Hawaii	–	176	60	–	15,206	16,461	472,494	245,655
Nevada	–	–	–	10	36	–	–	–
Oregon	2,220	2,278	14,738	12,594	606	–	750	–
Washington	48	–	2,910	669	555	–	106	–

See footnotes at end of table.

Table 17. Adjusted Sales of Residual Fuel Oil by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	R2003	2004	R2003	2004	R2003	2004	R2003	2004
U.S. Total	**3,801,425**	**4,874,502**	**10,057**	**31,475**	**1,509**	**1,043**	**11,836,776**	**13,292,286**
PAD District 1 Total	**1,269,876**	**1,858,905**	**4,019**	**27,417**	**1,152**	**826**	**7,887,401**	**8,955,874**
Subdistrict 1A Total	**511**	**2,160**	**-**	**-**	**245**	**514**	**1,486,790**	**1,464,643**
Connecticut	92	923	-	-	245	328	136,301	224,892
Maine	105	1,139	-	-	-	186	245,460	216,182
Massachusetts	314	98	-	-	-	-	878,416	816,654
New Hampshire	-	-	-	-	-	-	185,518	164,031
Rhode Island	-	-	-	-	-	-	28,838	30,487
Vermont	-	-	-	-	-	-	12,257	12,397
Subdistrict 1B Total	**875,379**	**1,006,461**	**1,101**	**10,665**	**-**	**-**	**3,013,466**	**3,184,230**
Delaware	41,749	41,206	-	-	-	-	160,874	117,203
Maryland	16,970	43,676	-	8,247	-	-	123,539	173,254
New Jersey	500,862	514,175	334	-	-	-	685,462	745,882
New York	192,376	242,881	-	-	-	-	1,602,403	1,663,301
Pennsylvania	123,422	164,523	767	2,418	-	-	441,189	484,590
Subdistrict 1C Total	**393,986**	**850,284**	**2,917**	**16,752**	**907**	**312**	**3,387,145**	**4,307,002**
Florida	189,905	531,284	-	572	907	-	2,296,500	3,021,319
Georgia	83,571	159,002	-	-	-	-	184,514	281,731
North Carolina	32,806	16,736	-	-	-	312	205,815	246,517
South Carolina	24,913	83,144	-	-	-	-	158,607	228,574
Virginia	62,791	60,119	2,917	16,180	-	-	539,613	514,530
West Virginia	-	-	-	-	-	-	2,095	14,332
PAD District 2 Total	**16,745**	**33,100**	**4,875**	**318**	**45**	**59**	**440,692**	**443,603**
Illinois	468	660	4,555	-	-	-	58,567	31,710
Indiana	3,229	6,714	-	-	-	-	18,989	33,680
Iowa	-	-	-	-	2	-	6,281	11,748
Kansas	-	-	320	318	-	-	92,787	76,961
Kentucky	131	253	-	-	-	-	5,170	2,689
Michigan	8,296	10,450	-	-	-	10	94,497	82,629
Minnesota	2,947	12,332	-	-	-	12	46,896	62,201
Missouri	538	750	-	-	-	-	4,963	6,703
Nebraska	-	-	-	-	15	-	5,928	9,567
North Dakota	-	-	-	-	-	-	5,999	2,622
Ohio	687	47	-	-	28	37	26,612	31,290
Oklahoma	-	-	-	-	-	-	22,324	25,539
South Dakota	-	-	-	-	-	-	1,923	3,880
Tennessee	345	1,756	-	-	-	-	10,709	14,257
Wisconsin	104	137	-	-	-	-	39,046	48,125
PAD District 3 Total	**1,181,473**	**1,419,759**	**-**	**2,717**	**295**	**33**	**1,650,946**	**2,035,529**
Alabama	42,407	52,023	-	865	-	-	53,906	70,850
Arkansas	-	-	-	-	-	-	20,922	58,758
Louisiana	405,845	453,595	-	-	6	-	623,307	691,055
Mississippi	34,459	70,112	-	-	273	-	166,312	318,139
New Mexico	-	-	-	-	15	33	6,589	4,377
Texas	698,761	844,029	-	1,852	-	-	779,910	892,349
PAD District 4 Total	**-**	**-**	**-**	**-**	**17**	**-**	**11,158**	**13,605**
Colorado	-	-	-	-	-	-	-	271
Idaho	-	-	-	-	-	-	16	-
Montana	-	-	-	-	-	-	260	1,761
Utah	-	-	-	-	-	-	4,888	7,118
Wyoming	-	-	-	-	17	-	5,994	4,455
PAD District 5 Total	**1,333,331**	**1,562,737**	**1,163**	**1,023**	**-**	**125**	**1,846,580**	**1,843,675**
Alaska	525	-	-	-	-	-	525	-
Arizona	-	-	-	-	-	-	-	1,366
California	979,213	1,158,320	1,162	-	-	-	982,731	1,158,902
Hawaii	38,351	61,258	-	1,023	-	-	526,111	324,572
Nevada	-	-	-	-	-	-	36	10
Oregon	63,956	71,407	-	-	-	-	82,270	86,279
Washington	251,286	271,752	1	-	-	125	254,907	272,546

Dashed (-) = No data reported. R = Revised.

Notes: • See Technical Note 3 for further explanations on 2003 revised data. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2003-2004 and "Petroleum Supply Annual," Volume 1, 2003-2004, (DOE/EIA-0340(03)/1 - (04)/1). • See Technical Note 3 for further explanation of Electric Power.

Table 18. Adjusted Sales of Kerosene by Energy Use, 2003 and 2004

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2003	2004	2003	2004	2003	2004
U.S. Total	**520,799**	**627,842**	**138,049**	**151,811**	**164,386**	**192,588**
PAD District 1 Total	**433,208**	**525,481**	**108,402**	**114,457**	**77,285**	**74,448**
Subdistrict 1A Total	**111,030**	**140,330**	**17,916**	**25,195**	**12,515**	**13,548**
Connecticut	11,336	14,660	5,241	7,227	8,755	10,157
Maine	58,456	73,100	6,751	10,540	305	704
Massachusetts	10,235	11,730	3,008	3,802	356	453
New Hampshire	17,450	21,972	1,806	1,926	540	425
Rhode Island	1,952	2,086	216	288	4	–
Vermont	11,602	16,781	894	1,413	2,555	1,809
Subdistrict 1B Total	**162,343**	**203,213**	**63,389**	**65,779**	**57,561**	**46,579**
Delaware	3,675	5,338	313	405	11	14
District of Columbia	1	3	23	31	–	–
Maryland	16,978	23,101	8,207	5,293	748	862
New Jersey	5,806	6,516	10,362	11,586	18,444	28,423
New York	68,826	86,750	27,923	31,280	35,947	14,408
Pennsylvania	67,057	81,506	16,561	17,184	2,412	2,871
Subdistrict 1C Total	**159,835**	**181,939**	**27,096**	**23,482**	**7,210**	**14,322**
Florida	4,055	3,973	802	857	272	1,568
Georgia	2,791	3,902	1,999	893	1,837	4,409
North Carolina	75,027	79,445	11,310	7,067	265	1,570
South Carolina	15,817	22,841	920	1,095	3,039	4,212
Virginia	52,954	61,068	8,190	10,171	1,380	1,960
West Virginia	9,191	10,710	3,874	3,399	417	603
PAD District 2 Total	**64,271**	**74,942**	**19,624**	**22,919**	**11,720**	**15,317**
Illinois	4,449	4,208	1,536	1,883	1,909	2,264
Indiana	8,660	10,771	1,372	1,830	948	1,693
Iowa	827	1,157	170	225	25	39
Kansas	460	441	207	345	41	47
Kentucky	7,658	8,690	1,641	1,342	1,138	1,490
Michigan	11,096	9,298	796	910	683	1,122
Minnesota	763	1,162	603	437	120	157
Missouri	3,021	3,675	889	1,283	180	424
Nebraska	183	231	146	275	45	39
North Dakota	115	204	43	83	36	34
Ohio	15,504	20,349	8,532	10,822	4,669	5,286
Oklahoma	596	704	203	277	278	308
South Dakota	95	107	87	76	5	4
Tennessee	9,693	12,255	2,268	1,799	967	1,610
Wisconsin	1,152	1,690	1,132	1,334	679	800
PAD District 3 Total	**4,557**	**5,015**	**4,964**	**6,986**	**73,410**	**99,968**
Alabama	2,077	2,804	1,021	1,071	1,257	1,478
Arkansas	682	450	136	699	17	26
Louisiana	398	405	262	3,255	63,213	84,693
Mississippi	479	646	1,846	382	836	2,280
New Mexico	154	226	238	139	52	29
Texas	768	484	1,461	1,442	8,034	11,461
PAD District 4 Total	**1,944**	**2,327**	**779**	**1,140**	**248**	**296**
Colorado	1,482	1,893	434	495	55	71
Idaho	156	277	31	177	2	33
Montana	164	49	103	121	64	85
Utah	94	78	196	330	121	91
Wyoming	48	30	16	18	7	16
PAD District 5 Total	**16,819**	**20,076**	**4,280**	**6,308**	**1,722**	**2,559**
Alaska	632	828	14	25	1	2
Arizona	99	44	51	86	36	117
California	8,217	11,605	1,987	3,016	1,062	1,288
Hawaii	–	–	2	2	4	4
Nevada	473	773	65	67	7	10
Oregon	3,173	3,917	953	1,869	486	731
Washington	4,224	2,909	1,208	1,244	126	408

See footnotes at end of table.

Table 18. Adjusted Sales of Kerosene by Energy Use, 2003 and 2004 (Continued)

(Thousand Gallons)

Destination	Farm		All Other		Total	
	2003	2004	2003	2004	2003	2004
U.S. Total	**11,674**	**14,757**	**2,572**	**1,683**	**837,480**	**988,680**
PAD District 1 Total	**4,079**	**4,952**	**1,842**	**884**	**624,816**	**720,223**
Subdistrict 1A Total	**1,122**	**1,717**	**852**	**403**	**143,435**	**181,193**
Connecticut	7	3	605	196	25,943	32,242
Maine	484	841	18	31	66,014	85,215
Massachusetts	12	13	7	–	13,618	15,998
New Hampshire	281	312	126	61	20,204	24,696
Rhode Island	–	–	5	–	2,177	2,374
Vermont	338	549	90	116	15,479	20,668
Subdistrict 1B Total	**1,945**	**2,478**	**774**	**435**	**286,012**	**318,483**
Delaware	133	246	–	–	4,132	6,004
District of Columbia	–	–	–	–	24	34
Maryland	281	647	59	90	26,273	29,992
New Jersey	14	5	1	232	34,627	46,762
New York	1,118	1,190	338	38	134,153	133,666
Pennsylvania	400	390	376	75	86,805	102,026
Subdistrict 1C Total	**1,012**	**757**	**216**	**46**	**195,369**	**220,547**
Florida	29	3	116	–	5,274	6,401
Georgia	9	21	14	9	6,650	9,234
North Carolina	222	96	1	2	86,825	88,179
South Carolina	70	111	15	–	19,862	28,259
Virginia	648	418	59	35	63,231	73,654
West Virginia	33	107	10	–	13,526	14,819
PAD District 2 Total	**5,535**	**7,138**	**370**	**430**	**101,521**	**120,747**
Illinois	426	627	9	53	8,329	9,035
Indiana	555	692	39	67	11,574	15,052
Iowa	504	599	12	2	1,538	2,024
Kansas	114	80	–	4	823	916
Kentucky	272	356	64	81	10,773	11,959
Michigan	207	231	4	4	12,786	11,565
Minnesota	361	426	48	4	1,894	2,186
Missouri	155	140	17	–	4,261	5,522
Nebraska	199	236	89	125	661	906
North Dakota	29	46	–	–	224	367
Ohio	1,721	2,719	47	36	30,473	39,212
Oklahoma	121	92	–	–	1,198	1,380
South Dakota	86	27	–	–	273	214
Tennessee	426	336	39	52	13,393	16,052
Wisconsin	359	532	–	–	3,322	4,357
PAD District 3 Total	**522**	**424**	**18**	**2**	**83,470**	**112,394**
Alabama	13	19	1	–	4,368	5,372
Arkansas	65	15	–	–	900	1,190
Louisiana	48	11	–	–	63,921	88,364
Mississippi	176	157	–	–	3,337	3,464
New Mexico	26	19	17	1	486	414
Texas	194	203	–	–	10,458	13,590
PAD District 4 Total	**120**	**204**	**9**	**4**	**3,100**	**3,972**
Colorado	65	134	4	1	2,040	2,593
Idaho	19	32	1	–	208	519
Montana	–	2	–	3	331	259
Utah	33	33	4	–	448	533
Wyoming	3	3	–	–	74	68
PAD District 5 Total	**1,418**	**2,039**	**334**	**362**	**24,573**	**31,344**
Alaska	–	–	–	–	648	855
Arizona	1	1	–	–	187	247
California	351	486	306	15	11,923	16,410
Hawaii	–	–	–	–	7	6
Nevada	3	2	–	1	548	853
Oregon	682	1,126	16	14	5,310	7,657
Washington	380	423	13	332	5,951	5,316

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2003-2004 and "Petroleum Supply Annual," Volume 1, 2003-2004, (DOE/EIA-0340(03)/1 - (04)/1).

Table 19. Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2004
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
U.S. Total	**113,856**	**5,883,499**	**5,997,355**	**627,842**
PAD District 1 Total	**4,064**	**5,116,521**	**5,120,585**	**525,481**
Subdistrict 1A Total	**2,294**	**2,131,665**	**2,133,959**	**140,330**
Connecticut	1	624,480	624,481	14,660
Maine	1,009	361,507	362,516	73,100
Massachusetts	506	708,954	709,460	11,730
New Hampshire	603	195,165	195,768	21,972
Rhode Island	54	142,758	142,812	2,086
Vermont	121	98,800	98,921	16,781
Subdistrict 1B Total	**1,003**	**2,642,412**	**2,643,415**	**203,213**
Delaware	–	35,407	35,407	5,338
District of Columbia	–	14,195	14,195	3
Maryland	105	150,232	150,337	23,101
New Jersey	–	363,568	363,568	6,516
New York	335	1,256,748	1,257,083	86,750
Pennsylvania	563	822,263	822,826	81,506
Subdistrict 1C Total	**767**	**342,444**	**343,211**	**181,939**
Florida	39	4,631	4,670	3,973
Georgia	–	1,478	1,478	3,902
North Carolina	–	105,229	105,229	79,445
South Carolina	37	10,517	10,554	22,841
Virginia	109	205,408	205,517	61,068
West Virginia	583	15,181	15,764	10,710
PAD District 2 Total	**65,419**	**607,595**	**673,014**	**74,942**
Illinois	1,464	13,152	14,616	4,208
Indiana	5,489	43,390	48,879	10,771
Iowa	2,848	12,621	15,469	1,157
Kansas	66	551	617	441
Kentucky	599	20,559	21,158	8,690
Michigan	9,845	88,257	98,102	9,298
Minnesota	19,196	93,859	113,055	1,162
Missouri	2,248	7,008	9,256	3,675
Nebraska	2,060	2,569	4,629	231
North Dakota	4,268	23,701	27,969	204
Ohio	4,934	156,078	161,012	20,349
Oklahoma	9	34	43	704
South Dakota	2,611	9,233	11,844	107
Tennessee	136	5,873	6,009	12,255
Wisconsin	9,647	130,710	140,357	1,690
PAD District 3 Total	**179**	**9,042**	**9,221**	**5,015**
Alabama	–	690	690	2,804
Arkansas	161	127	288	450
Louisiana	–	212	212	405
Mississippi	–	265	265	646
New Mexico	17	185	202	226
Texas	–	7,563	7,563	484
PAD District 4 Total	**6,827**	**28,386**	**35,213**	**2,327**
Colorado	80	704	784	1,893
Idaho	3,481	16,337	19,818	277
Montana	2,935	5,993	8,928	49
Utah	204	3,845	4,049	78
Wyoming	126	1,507	1,633	30
PAD District 5 Total	**37,367**	**121,953**	**159,320**	**20,076**
Alaska	32,730	32,510	65,240	828
Arizona	10	182	192	44
California	371	5,141	5,512	11,605
Hawaii	–	12	12	–
Nevada	204	6,392	6,596	773
Oregon	1,805	27,587	29,392	3,917
Washington	2,247	50,130	52,377	2,909

Dashed (-) = No data reported.

Notes: • See Technical Note 3 for further explanations. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004 and "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Table 20. Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004
(Thousand Gallons)

Destination	Distillate Fuel Oil							Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
U.S. Total	**59,136**	**1,526,556**	**889,196**	**535,592**	**2,951,345**	**186,793**	**3,197,274**	**812,627**	**151,811**
PAD District 1 Total	**4,684**	**1,357,873**	**306,375**	**247,796**	**1,912,044**	**185,154**	**2,101,882**	**760,402**	**114,457**
Subdistrict 1A Total	**832**	**446,314**	**49,487**	**33,510**	**529,311**	**22,651**	**552,793**	**200,242**	**25,195**
Connecticut	184	105,760	18,301	1,402	125,464	4,473	130,121	13,730	7,227
Maine	468	104,402	13,115	8,961	126,479	665	127,612	14,526	10,540
Massachusetts	104	122,164	6,521	17,291	145,976	12,113	158,193	115,592	3,802
New Hampshire	51	58,071	6,191	499	64,761	2,523	67,335	33,785	1,926
Rhode Island	7	27,591	1,355	985	29,931	1,579	31,517	16,494	288
Vermont	16	28,326	4,004	4,371	36,701	1,298	38,015	6,116	1,413
Subdistrict 1B Total	**3,659**	**826,241**	**114,918**	**54,962**	**996,121**	**162,158**	**1,161,937**	**528,622**	**65,779**
Delaware	41	7,194	475	2,978	10,647	336	11,024	7,966	405
District of Columbia	2	12,409	2,444	105	14,959	1,823	16,785	–	31
Maryland	760	57,601	9,851	7,999	75,451	1,140	77,350	3,616	5,293
New Jersey	95	89,916	3,943	803	94,662	3,568	98,325	14,475	11,586
New York	960	485,509	72,828	20,238	578,575	150,849	730,384	477,185	31,280
Pennsylvania	1,801	173,612	25,377	22,839	221,827	4,441	228,070	25,381	17,184
Subdistrict 1C Total	**194**	**85,318**	**141,970**	**159,324**	**386,613**	**345**	**387,152**	**31,538**	**23,482**
Florida	–	2,495	90,703	52,815	146,012	–	146,012	4,897	857
Georgia	–	1,883	14,474	23,171	39,528	–	39,528	–	893
North Carolina	–	26,407	14,609	20,456	61,471	167	61,638	11,510	7,067
South Carolina	–	4,919	5,576	9,782	20,276	–	20,276	1,941	1,095
Virginia	51	45,527	13,071	52,235	110,833	178	111,062	13,190	10,171
West Virginia	142	4,088	3,539	866	8,493	–	8,636	–	3,399
PAD District 2 Total	**23,618**	**135,584**	**292,542**	**136,447**	**564,574**	**1,639**	**589,830**	**46,835**	**22,919**
Illinois	2,424	3,056	22,675	10,748	36,479	1,347	40,250	2,053	1,883
Indiana	2,862	28,410	31,952	18,077	78,439	–	81,301	4,762	1,830
Iowa	1,385	8,294	10,306	2,432	21,031	–	22,416	–	225
Kansas	1,021	1,156	23,098	2,429	26,683	–	27,704	–	345
Kentucky	41	1,938	20,686	15,989	38,612	–	38,653	–	1,342
Michigan	1,063	12,168	29,845	8,024	50,038	–	51,101	2,058	910
Minnesota	4,312	22,534	10,197	1,616	34,347	7	38,666	18,745	437
Missouri	1,108	2,325	29,586	7,892	39,803	–	40,911	681	1,283
Nebraska	1,872	1,967	4,105	795	6,867	–	8,738	2,041	275
North Dakota	1,287	2,773	3,462	1,131	7,366	–	8,653	764	83
Ohio	1,257	20,075	29,821	41,743	91,639	–	92,896	4,202	10,822
Oklahoma	31	–	11,510	2,567	14,077	–	14,109	40	277
South Dakota	909	2,088	5,079	1,241	8,408	–	9,317	531	76
Tennessee	261	662	35,706	14,876	51,244	–	51,505	546	1,799
Wisconsin	3,785	28,138	24,514	6,888	59,540	285	63,610	10,412	1,334
PAD District 3 Total	**1,223**	**4,765**	**118,684**	**100,432**	**223,881**	**–**	**225,104**	**2,936**	**6,986**
Alabama	12	3,846	28,029	25,683	57,557	–	57,569	–	1,071
Arkansas	–	10	5,020	21,831	26,861	–	26,861	15	699
Louisiana	1,046	452	6,532	7,231	14,215	–	15,261	2,556	3,255
Mississippi	–	–	6,279	4,504	10,783	–	10,783	366	382
New Mexico	165	307	16,606	3,931	20,844	–	21,009	–	139
Texas	–	151	56,217	37,252	93,621	–	93,621	–	1,442
PAD District 4 Total	**5,045**	**8,376**	**52,998**	**10,605**	**71,979**	**–**	**77,024**	**–**	**1,140**
Colorado	540	764	13,975	180	14,918	–	15,458	–	495
Idaho	556	2,211	13,027	3,377	18,615	–	19,171	–	177
Montana	631	4,720	8,616	119	13,455	–	14,086	–	121
Utah	1,061	636	14,971	6,762	22,369	–	23,430	–	330
Wyoming	2,256	45	2,410	167	2,622	–	4,878	–	18
PAD District 5 Total	**24,567**	**19,957**	**118,598**	**40,311**	**178,866**	**–**	**203,433**	**2,454**	**6,308**
Alaska	21,862	7,430	3,182	12,314	22,926	–	44,788	–	25
Arizona	54	123	12,567	643	13,334	–	13,388	–	86
California	7	338	55,824	8,165	64,326	–	64,333	–	3,016
Hawaii	–	20	7,314	7,424	14,758	–	14,758	176	2
Nevada	359	1,268	12,526	241	14,036	–	14,395	–	67
Oregon	819	6,112	10,990	4,992	22,094	–	22,913	2,278	1,869
Washington	1,466	4,666	16,196	6,531	27,393	–	28,859	–	1,244

Dashed (-) = No data reported.

Notes: • See Technical Note 3 for further explanations. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004 and "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Table 21. Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004
(Thousand Gallons)

Destination	Distillate Fuel Oil							Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
U.S. Total	**41,777**	**399,964**	**877,496**	**1,059,612**	**2,337,071**	**38,973**	**2,417,821**	**1,600,251**	**192,588**
PAD District 1 Total	**1,577**	**213,263**	**90,634**	**379,332**	**683,229**	**32,940**	**717,746**	**1,163,352**	**74,448**
Subdistrict 1A Total	**540**	**53,350**	**9,821**	**7,330**	**70,501**	**10,282**	**81,323**	**242,735**	**13,548**
Connecticut	–	11,621	2,184	28	13,833	6,215	20,048	45,445	10,157
Maine	240	17,492	1,842	1,172	20,505	980	21,725	131,412	704
Massachusetts	–	8,220	2,846	3,153	14,219	520	14,739	30,047	453
New Hampshire	296	6,721	753	1,262	8,736	752	9,784	18,051	425
Rhode Island	–	4,736	48	915	5,699	959	6,658	11,499	–
Vermont	4	4,559	2,149	801	7,509	855	8,368	6,281	1,809
Subdistrict 1B Total	**577**	**99,260**	**20,773**	**64,020**	**184,053**	**21,077**	**205,706**	**196,681**	**46,579**
Delaware	–	1,142	885	370	2,397	632	3,030	32,311	14
District of Columbia	–	74	–	101	175	144	319	–	–
Maryland	577	13,794	3,259	5,257	22,310	880	23,766	29,293	862
New Jersey	–	21,965	852	853	23,671	11,727	35,397	20,550	28,423
New York	–	30,203	5,686	14,179	50,068	4,585	54,652	61,025	14,408
Pennsylvania	–	32,082	10,091	43,260	85,433	3,110	88,543	53,502	2,871
Subdistrict 1C Total	**461**	**60,653**	**60,040**	**307,982**	**428,675**	**1,582**	**430,717**	**723,935**	**14,322**
Florida	40	2,624	25,887	44,481	72,993	–	73,032	127,873	1,568
Georgia	–	12,385	13,647	37,998	64,030	–	64,030	119,015	4,409
North Carolina	–	12,149	9,437	32,228	53,815	532	54,346	217,839	1,570
South Carolina	4	4,801	2,216	16,021	23,038	254	23,296	143,058	4,212
Virginia	130	21,136	6,990	81,728	109,853	789	110,772	101,818	1,960
West Virginia	286	7,558	1,862	95,526	104,946	7	105,239	14,332	603
PAD District 2 Total	**19,491**	**175,244**	**224,819**	**299,088**	**699,152**	**5,126**	**723,768**	**252,488**	**15,317**
Illinois	4,043	11,146	20,488	23,966	55,600	64	59,706	13,966	2,264
Indiana	2,136	37,425	52,313	15,856	105,595	2,787	110,519	22,205	1,693
Iowa	1,507	1,199	8,045	2,150	11,393	–	12,900	11,748	39
Kansas	246	204	9,194	3,464	12,862	6	13,114	27,805	47
Kentucky	10	6,801	16,902	86,929	110,632	493	111,134	2,436	1,490
Michigan	556	7,051	5,677	18,424	31,152	6	31,714	28,634	1,122
Minnesota	2,871	46,349	19,225	1,317	66,891	31	69,793	26,046	157
Missouri	2,970	3,309	21,143	18,200	42,652	15	45,637	5,271	424
Nebraska	147	577	1,610	6,268	8,455	–	8,602	7,526	39
North Dakota	1,825	1,838	3,434	8,645	13,917	–	15,743	1,858	34
Ohio	535	31,848	10,326	57,124	99,298	1,224	101,058	26,615	5,286
Oklahoma	–	2,756	3,068	6,789	12,613	–	12,613	25,499	308
South Dakota	66	262	2,501	3,097	5,861	9	5,937	3,349	4
Tennessee	–	371	24,856	25,956	51,183	148	51,331	11,955	1,610
Wisconsin	2,577	24,106	26,038	20,903	71,047	343	73,967	37,576	800
PAD District 3 Total	**537**	**2,835**	**214,457**	**249,060**	**466,353**	**–**	**466,889**	**155,856**	**99,968**
Alabama	–	1,595	29,385	122,524	153,504	–	153,504	17,962	1,478
Arkansas	–	190	4,695	14,672	19,557	–	19,557	18,589	26
Louisiana	–	812	11,956	24,568	37,336	–	37,336	57,118	84,693
Mississippi	–	147	3,215	23,020	26,381	–	26,381	12,919	2,280
New Mexico	537	2	31,356	6,203	37,560	–	38,097	4,343	29
Texas	–	90	133,851	58,073	192,014	–	192,014	44,925	11,461
PAD District 4 Total	**6,316**	**7,612**	**211,372**	**19,842**	**238,826**	**–**	**245,141**	**13,334**	**296**
Colorado	1,835	2,981	26,053	1,495	30,530	–	32,365	–	71
Idaho	639	401	11,431	10,359	22,190	–	22,829	–	33
Montana	1,670	3,244	36,865	42	40,151	–	41,822	1,761	85
Utah	557	930	27,720	7,569	36,220	–	36,777	7,118	91
Wyoming	1,614	56	109,302	377	109,735	–	111,349	4,455	16
PAD District 5 Total	**13,857**	**1,009**	**136,214**	**112,289**	**249,513**	**907**	**264,276**	**15,221**	**2,559**
Alaska	12,965	465	7,637	19,947	28,049	–	41,015	–	2
Arizona	500	–	42,579	12,506	55,085	–	55,585	1,366	117
California	–	33	40,585	10,699	51,316	–	51,316	582	1,288
Hawaii	–	348	1,294	912	2,554	–	2,554	–	4
Nevada	292	1	27,642	48,154	75,797	907	76,995	10	10
Oregon	52	4	8,529	11,927	20,460	–	20,511	12,594	731
Washington	48	159	7,947	8,145	16,251	–	16,300	669	408

Dashed (-) = No data reported.

Notes: • See Technical Note 3 for further explanations. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004 and "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Table 22. Adjusted Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2004

(Thousand Gallons)

Destination	Farm				Electric Power		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	**3,438,664**	**69,067**	**3,507,731**	**14,757**	**735,002**	**5,923,734**	**554,196**	**48,655**
PAD District 1 Total	**315,679**	**43,962**	**359,641**	**4,952**	**374,933**	**5,114,379**	**17,235**	**30,593**
Subdistrict 1A Total	**18,984**	**13,539**	**32,523**	**1,717**	**20,530**	**1,018,751**	**110**	**241**
Connecticut	3,172	2,585	5,757	3	5,629	164,225	33	241
Maine	3,595	7,095	10,690	841	493	68,919	–	–
Massachusetts	4,485	273	4,758	13	11,968	670,916	39	–
New Hampshire	2,353	2,418	4,771	312	855	112,196	15	–
Rhode Island	76	81	157	–	1,406	2,494	10	–
Vermont	5,303	1,087	6,390	549	178	–	13	–
Subdistrict 1B Total	**80,124**	**24,601**	**104,725**	**2,478**	**153,593**	**1,411,870**	**8,462**	**29,931**
Delaware	5,733	10	5,742	246	3,718	35,720	4,683	–
District of Columbia	–	–	–	–	4,363	–	–	–
Maryland	16,154	55	16,209	647	27,248	87,719	2	703
New Jersey	3,322	310	3,632	5	26,737	194,762	435	1,922
New York	23,699	17,806	41,505	1,190	33,685	881,395	10	815
Pennsylvania	31,216	6,420	37,637	390	57,842	212,274	3,333	26,491
Subdistrict 1C Total	**216,571**	**5,822**	**222,393**	**757**	**200,810**	**2,683,758**	**8,662**	**422**
Florida	75,755	–	75,755	3	87,171	2,356,692	14	–
Georgia	61,170	33	61,202	21	14,420	3,714	1,271	–
North Carolina	30,635	4,642	35,277	96	20,247	–	–	120
South Carolina	17,403	741	18,144	111	11,834	317	–	114
Virginia	30,191	388	30,579	418	34,584	323,035	1,495	188
West Virginia	1,417	18	1,435	107	32,554	–	5,882	–
PAD District 2 Total	**1,789,976**	**23,612**	**1,813,588**	**7,138**	**145,734**	**109,211**	**91,880**	**1,592**
Illinois	179,059	1,904	180,963	627	10,767	15,031	93	–
Indiana	134,713	1,864	136,577	692	9,475	–	23	–
Iowa	179,448	833	180,282	599	8,430	–	–	–
Kansas	208,449	188	208,637	80	5,240	48,838	13,019	–
Kentucky	34,435	–	34,435	356	6,872	–	2,014	–
Michigan	53,347	1,492	54,840	231	17,927	41,477	1,364	–
Minnesota	126,913	1,725	128,638	426	7,790	3,864	–	1,203
Missouri	131,657	84	131,741	140	5,393	–	73	–
Nebraska	238,677	1,058	239,735	236	1,382	–	2	–
North Dakota	119,131	3,102	122,232	46	2,515	–	9,929	–
Ohio	109,693	7,088	116,781	2,719	43,852	–	4,284	390
Oklahoma	57,150	–	57,150	92	2,061	–	60,383	–
South Dakota	64,509	1,859	66,367	27	1,224	–	423	–
Tennessee	38,264	552	38,816	336	11,694	–	273	–
Wisconsin	114,531	1,861	116,392	532	11,112	–	–	–
PAD District 3 Total	**741,198**	**151**	**741,349**	**424**	**24,765**	**454,218**	**338,049**	**9**
Alabama	38,142	–	38,142	19	8,805	–	7,500	–
Arkansas	235,904	130	236,034	15	5,146	40,155	2,658	–
Louisiana	56,119	–	56,119	11	2,196	177,787	45,491	–
Mississippi	65,566	21	65,586	157	3,343	234,733	1,742	9
New Mexico	34,765	–	34,765	19	2,225	–	38,047	–
Texas	310,702	–	310,702	203	3,050	1,543	242,611	–
PAD District 4 Total	**193,381**	**1,233**	**194,614**	**204**	**6,160**	**271**	**70,147**	**–**
Colorado	45,229	22	45,251	134	1,213	271	15,357	–
Idaho	63,012	114	63,126	32	19	–	–	–
Montana	62,944	1,051	63,995	2	–	–	19,117	–
Utah	10,740	4	10,744	33	1,188	–	13,741	–
Wyoming	11,456	42	11,498	3	3,739	–	21,931	–
PAD District 5 Total	**398,430**	**110**	**398,540**	**2,039**	**183,411**	**245,655**	**36,886**	**16,461**
Alaska	55	–	55	–	52,365	–	23,449	–
Arizona	15,285	–	15,285	1	4,481	–	286	–
California	311,672	–	311,672	486	5,676	–	11,677	–
Hawaii	5,458	–	5,458	–	114,504	245,655	5	16,461
Nevada	4,473	20	4,492	2	816	–	963	–
Oregon	28,715	26	28,741	1,126	4,517	–	–	–
Washington	32,771	64	32,835	423	1,051	–	507	–

Dashed (-) = No data reported.

Notes: • See Technical Note 3 for further explanations. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004 and "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1). • See Technical Note 3 for further explanation of Electric Power.

Table 23. Adjusted Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2004
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	**3,310,588**	**2,319,308**	**4,874,502**	**37,125,239**	**42,755,135**	**4,874,502**
PAD District 1 Total	**487,451**	**429,000**	**1,858,905**	**11,731,295**	**12,647,746**	**1,858,905**
Subdistrict 1A Total	**47,122**	**40,608**	**2,160**	**1,114,427**	**1,202,158**	**2,160**
Connecticut	3,201	6,398	923	284,212	293,811	923
Maine	65	12,286	1,139	174,373	186,724	1,139
Massachusetts	43,634	14,093	98	424,503	482,229	98
New Hampshire	162	3,345	–	111,503	115,009	–
Rhode Island	–	3,938	–	57,962	61,900	–
Vermont	61	549	–	61,874	62,484	–
Subdistrict 1B Total	**145,614**	**117,935**	**1,006,461**	**4,385,713**	**4,649,262**	**1,006,461**
Delaware	732	596	41,206	65,202	66,530	41,206
District of Columbia	9,908	34	–	24,276	34,218	–
Maryland	2,341	12,607	43,676	538,061	553,009	43,676
New Jersey	17,096	72,947	514,175	896,454	986,497	514,175
New York	66,609	11,642	242,881	1,410,982	1,489,234	242,881
Pennsylvania	48,928	20,108	164,523	1,450,738	1,519,775	164,523
Subdistrict 1C Total	**294,715**	**270,457**	**850,284**	**6,231,155**	**6,796,326**	**850,284**
Florida	63,739	130,083	531,284	1,567,480	1,761,302	531,284
Georgia	106,351	22,210	159,002	1,449,793	1,578,354	159,002
North Carolina	53,279	7,341	16,736	1,095,092	1,155,712	16,736
South Carolina	11,953	29,905	83,144	709,044	750,902	83,144
Virginia	47,310	19,443	60,119	1,115,628	1,182,381	60,119
West Virginia	12,083	61,474	–	294,118	367,674	–
PAD District 2 Total	**1,173,026**	**485,893**	**33,100**	**11,799,020**	**13,457,939**	**33,100**
Illinois	68,053	122,937	660	1,397,874	1,588,864	660
Indiana	98,429	8,366	6,714	1,242,988	1,349,782	6,714
Iowa	51,061	7,631	–	571,883	630,576	–
Kansas	56,786	–	–	413,594	470,380	–
Kentucky	98,655	102,580	253	856,232	1,057,467	253
Michigan	23,652	10,091	10,450	974,893	1,008,636	10,450
Minnesota	68,162	6,160	12,332	660,745	735,067	12,332
Missouri	54,391	75,545	750	1,013,808	1,143,743	750
Nebraska	46,835	–	–	402,763	449,598	–
North Dakota	62,464	–	–	156,154	218,618	–
Ohio	256,375	3,563	47	1,580,121	1,840,059	47
Oklahoma	170,005	7	–	636,979	806,991	–
South Dakota	5,559	–	–	175,679	181,238	–
Tennessee	75,282	146,777	1,756	990,608	1,212,666	1,756
Wisconsin	37,317	2,237	137	724,699	764,253	137
PAD District 3 Total	**942,466**	**1,056,224**	**1,419,759**	**6,574,471**	**8,573,161**	**1,419,759**
Alabama	70,756	144,774	52,023	786,306	1,001,836	52,023
Arkansas	97,309	50,464	–	600,997	748,769	–
Louisiana	46,350	521,375	453,595	658,561	1,226,286	453,595
Mississippi	37,299	87,581	70,112	598,448	723,328	70,112
New Mexico	14,539	–	–	465,748	480,287	–
Texas	676,213	252,031	844,029	3,464,411	4,392,655	844,029
PAD District 4 Total	**267,451**	**5**	**–**	**1,669,421**	**1,936,877**	**–**
Colorado	42,398	–	–	505,771	548,169	–
Idaho	24,073	5	–	238,093	262,171	–
Montana	44,417	–	–	222,384	266,801	–
Utah	38,712	–	–	365,585	404,297	–
Wyoming	117,852	–	–	337,588	455,440	–
PAD District 5 Total	**440,194**	**348,186**	**1,562,737**	**5,351,032**	**6,139,412**	**1,562,737**
Alaska	6,405	122,897	–	208,558	337,861	–
Arizona	15,098	–	–	776,419	791,517	–
California	286,333	42,575	1,158,320	2,844,083	3,172,991	1,158,320
Hawaii	–	106,877	61,258	42,788	149,665	61,258
Nevada	5,743	8	–	330,258	336,009	–
Oregon	54,311	10,714	71,407	521,796	586,821	71,407
Washington	72,304	65,115	271,752	627,130	764,549	271,752

Dashed (-) = No data reported.

Notes: • See Technical Note 3 for further explanations. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004 and "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1). • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 24. Adjusted Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004

(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other	
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Residual Fuel Oil	Kerosene
U.S. Total	**324,396**	**34,123**	**358,519**	**31,475**	**2,254,068**	**606,507**	**2,860,575**	**1,043**	**1,683**
PAD District 1 Total	**41,812**	**29,113**	**70,925**	**27,417**	**649,105**	**156,689**	**805,795**	**826**	**884**
Subdistrict 1A Total	**2,528**	**3,415**	**5,944**	**–**	**89,987**	**21,153**	**111,139**	**514**	**403**
Connecticut	41	1,218	1,260	–	14,058	148	14,206	328	196
Maine	1,244	1,224	2,468	–	10,589	11,461	22,050	186	31
Massachusetts	584	2	586	–	46,863	5,035	51,898	–	–
New Hampshire	611	855	1,466	–	10,813	3,057	13,870	–	61
Rhode Island	10	–	10	–	2,367	2	2,369	–	–
Vermont	39	116	155	–	5,296	1,451	6,746	–	116
Subdistrict 1B Total	**8,148**	**14,991**	**23,139**	**10,665**	**201,894**	**16,144**	**218,038**	**–**	**435**
Delaware	25	85	110	–	3,657	68	3,725	–	–
District of Columbia	1,925	1,308	3,233	–	1,411	–	1,411	–	–
Maryland	1,325	5,314	6,639	8,247	34,579	924	35,503	–	90
New Jersey	872	1,094	1,966	–	70,675	4,881	75,557	–	232
New York	2,025	1,714	3,739	–	31,312	238	31,550	–	38
Pennsylvania	1,977	5,475	7,452	2,418	60,259	10,033	70,292	–	75
Subdistrict 1C Total	**31,135**	**10,707**	**41,842**	**16,752**	**357,225**	**119,393**	**476,617**	**312**	**46**
Florida	2,875	–	2,875	572	136,058	23,378	159,437	–	–
Georgia	2,458	927	3,385	–	58,319	41,458	99,777	–	9
North Carolina	1,763	4,704	6,466	–	30,992	7,187	38,179	312	2
South Carolina	7,500	103	7,603	–	33,887	20,495	54,382	–	–
Virginia	16,472	4,845	21,317	16,180	82,595	22,500	105,096	–	35
West Virginia	66	129	195	–	15,373	4,374	19,747	–	–
PAD District 2 Total	**11,478**	**2,630**	**14,108**	**318**	**811,433**	**112,462**	**923,895**	**59**	**430**
Illinois	283	20	303	–	141,427	5,215	146,642	–	53
Indiana	196	76	272	–	49,663	5,288	54,950	–	67
Iowa	70	–	70	–	23,466	3,197	26,663	–	2
Kansas	356	–	356	318	24,171	845	25,016	–	4
Kentucky	408	296	703	–	41,998	10,169	52,167	–	81
Michigan	1,151	3	1,155	–	77,100	10,564	87,663	10	4
Minnesota	129	43	171	–	66,778	16,312	83,090	12	4
Missouri	2,990	1,191	4,180	–	90,793	9,415	100,208	–	–
Nebraska	117	–	117	–	14,509	2,772	17,282	–	125
North Dakota	559	–	559	–	20,961	1,010	21,970	–	–
Ohio	1,604	463	2,068	–	90,074	4,054	94,129	37	36
Oklahoma	2,362	–	2,362	–	42,036	3,104	45,140	–	–
South Dakota	131	–	131	–	10,318	1,032	11,350	–	–
Tennessee	244	43	287	–	58,522	21,189	79,710	–	52
Wisconsin	879	495	1,373	–	59,618	18,298	77,915	–	–
PAD District 3 Total	**108,545**	**1,085**	**109,630**	**2,717**	**357,844**	**233,295**	**591,139**	**33**	**2**
Alabama	11,802	523	12,325	865	95,745	60,683	156,428	–	–
Arkansas	352	169	521	–	12,355	20,364	32,719	–	–
Louisiana	42,129	–	42,129	–	78,615	57,648	136,263	–	–
Mississippi	703	392	1,096	–	60,421	63,439	123,860	–	–
New Mexico	863	–	863	–	6,410	1,502	7,912	33	1
Texas	52,696	1	52,697	1,852	104,298	29,659	133,957	–	–
PAD District 4 Total	**972**	**183**	**1,155**	**–**	**137,663**	**46,292**	**183,955**	**–**	**4**
Colorado	645	165	810	–	62,670	817	63,487	–	1
Idaho	62	–	62	–	14,800	20,773	35,574	–	–
Montana	28	18	46	–	14,097	15,852	29,949	–	3
Utah	51	–	51	–	32,668	6,283	38,951	–	–
Wyoming	186	–	186	–	13,428	2,567	15,995	–	–
PAD District 5 Total	**161,591**	**1,111**	**162,702**	**1,023**	**298,022**	**57,769**	**355,790**	**125**	**362**
Alaska	9,594	1,056	10,650	–	12,076	4,230	16,306	–	–
Arizona	472	55	527	–	47,569	2,778	50,347	–	–
California	53,606	–	53,606	–	165,752	9,570	175,322	–	15
Hawaii	60,930	–	60,930	1,023	6,734	985	7,719	–	–
Nevada	507	–	507	–	24,072	1,001	25,073	–	1
Oregon	1,867	–	1,867	–	15,532	20,973	36,504	–	14
Washington	34,614	–	34,614	–	26,287	18,232	44,519	125	332

Dashed (-) = No data reported.

Notes: • See Technical Note 3 for further explanations. • Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration's Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004 and "Petroleum Supply Annual," Volume 1, 2004, (DOE/EIA-0340(04)/1).

Appendix A

Technical Notes

Appendix A

Technical Notes

Note 1: EIA-821: Annual Fuel Oil And Kerosene Sales Report, 2004

Background

The EIA-821, "Annual Fuel Oil and Kerosene Sales Report" survey was implemented to meet Energy Information Administration (EIA) legislative mandates and data user needs. Form EIA-821 is used to gather data on the sales to energy users of distillate fuel oil, residual fuel oil, and kerosene. The data are used to determine the level of demand by energy use category and product at the State, regional, and national levels. This mandatory report is authorized by the Federal Energy Administration Act of 1974 (P. L. 93-275).

The predecessor survey to the EIA-821 was the EIA-172, "Sales Report of Fuel Oil and Kerosene" survey. The EIA-172 was conducted for reference years 1979 through 1982. Due to a serious deterioration in the sample of respondents during the 4-year period, the Form EIA-172 data were not collected for 1983. Instead, estimates for 1983 were published and a new sample of respondents was designed and selected from an improved sampling frame. The EIA-821 survey commenced with reference year 1984.

Discussion of Sampling Frame

The target population for the fuel oil and kerosene sales survey is the universe of companies that sell fuel oil and kerosene to energy users.

The EIA-863 database provided the sampling frame for the EIA-821 survey. The EIA-863, "Petroleum Product Sales Identification Survey," was mailed to approximately 25,000 companies in January 2003 to collect 2002 State-level sales volume data for No. 2 distillate, residual fuel, motor gasoline, and propane. Companies also indicated if they sold kerosene. The No. 2 distillate data were further identified by residential and nonresidential energy use, and nonenergy use sales; the residual data were identified by energy use and non-energy use; motor gasoline was identified by energy use and non-energy use and by conventional and oxygenated and/or reformulated; and propane was identified by residential, nonresidential, and non-energy use sales. The mailing list for the EIA-863 survey was constructed by merging and unduplicating the 1998 frame file and more than 50 State and commercial lists. In addition, company/State-level volumes for distillate fuel, residual fuel, motor gasoline, and propane from the 2002 EIA-821 survey were merged with the EIA-863 to yield a combined data file. The transformed and edited version of the frame was then used to design and select the 2004 EIA-821 sample.

It should be noted that truck stops selling No. 2 diesel fuel were not specifically included in the EIA-863 survey. Therefore, the EIA-821 survey does not include all sales of No. 2 distillate through retail truck stops. However, to compensate for this shortage in coverage, data from the Federal Highway Administration are presented in the tables for on-highway diesel sales.

The sampling frame also lacked full coverage of kerosene retailers, many of whom are hardware stores and service stations. To account for all kerosene volumes supplied to the marketplace, aggregate reported kerosene volumes are set equal to the products supplied volumes published in the *Petroleum Supply Annual*.

Discussion of the Sample Design

The purpose of the EIA-821 sample design was to produce State-level estimates of total sales for the following five target variables: (1) residential No. 2 distillate, (2) other retail No. 2 distillate, (3) wholesale No. 2 distillate, (4) retail residual, and (5) wholesale residual. A separate sample was initially designed for each target variable.

Companies were divided into two basic types of strata: certainty and noncertainty. Companies selected with certainty were:

- All refiners and gas plant operators.
- Companies doing business in four or more States.
- Companies accounting for 5 percent or more of the distillate or residual fuel oil volume for any target variable or particular energy use category sold in a State.

- Companies accounting for 5 percent or more of the kerosene volume sold in a State in an earlier EIA-821 survey.
- Augmented frame units, e.g., vessel bunkering, for which no attribute data were available.

Firms determined not to be selling distillate or residual fuel oil or kerosene were removed from the frame file. Volumes for nonrespondents to the EIA-863 who had reported in the previous frame survey or in a sample survey were imputed. The imputed nonrespondents and the noncertainty companies were stratified by sales volume for each target variable. Strata boundaries were determined using the Dalenius-Hodges procedures, allowing the number of strata and the strata boundaries to vary by State. Nonrespondents for whom no previous information was available were classified in a separate stratum and sampled with reduced probabilities of selection.

Neyman allocation was used to allocate the number of companies required for each strata to obtain the required levels of accuracy: a 2.5 percent coefficient of variation for residual fuel oil and a 5 percent coefficient of variation for distillate fuel oil. Sample selections were then performed simultaneously from the same random list for the five samples to produce a final linked sample of approximately 4,000 companies. This method reduced the total survey sample size while improving volume estimates. Selected companies were asked to report sales by end-use categories for distillate and residual fuel oil and kerosene.

Imputation and Estimation

Survey data gathered from the respondents may contain incomplete reporting, total nonresponse, or values that fail editing. Missing data are estimated, or implicitly imputed for, using the strata means and treated the same as reported data. The weighted estimate is defined as follows:

$$\hat{V} = \sum_h N_h \left(\sum_i W_{hi} V_{hi} \ / \ \sum_i W_{hi} \right)$$

where:

$\hat{V}$ = total estimated volume

$\sum_h$ = denotes summation over strata

N_h = stratum population for stratum h

$\sum_i$ = denotes summation over units within stratum h

V_{hi} = volume reported for unit i in stratum h

W_{hi} = weight attached to unit i in stratum h

where: W_{hi} is inversely proportional to the probability of inclusion in the linked sample.

The degree of imputation by product and energy use at the U.S. total level ranged as follows for the 2004 EIA-821 data: distillate, 1.25 percent for railroad use to 19.89 percent for off-highway use; residual fuel oil, 0.00 percent for oil company use to 11.06 percent for all other uses; and kerosene, 2.21 percent for industrial use to 8.01 percent for residential use.

Collection Methods

The EIA-821 form was mailed in January 2005 to all companies selected for participation in the 2004 reference year survey. The completed form was due to EIA on March 4, 2005. A second request was mailed to nonrespondents approximately 1 month after the filing deadline. Follow-up telephone calls were made to collect outstanding data and to verify reported data. Late submissions and resubmissions were processed when received.

Data Processing

As EIA-821 forms were received, they were logged into an automated Survey Control File that maintains company identification and survey form status information for each company selected to participate in the survey. The data were reviewed manually, entered onto the computer files, and then processed through an automated edit program which detected missing data and outlying values. Data that failed the edits were resolved through telephone calls to the data reporters and corrections were entered onto the computer files. Preliminary estimates were generated and processed through a series of validation procedures to flag and rectify potential misreporting of data. Statistical reports, including publication tables, were produced using only acceptable and verified data.

Note 2: Reliability of the Data

Two types of errors are associated with data produced from a sample survey; sampling errors and nonsampling errors. Sampling errors occur because the estimates are based on a sample rather than on a census. The particular sample used for the EIA-821 survey is one of a large number of samples of equal size which could have been selected from the

sampling frame using the same sample design. Each of these samples would produce a different estimate. If the estimates were averaged over all possible samples, the result would be the same as the estimate derived from a census of the sampling frame. The sampling error is a measure of variability among the estimates from all possible samples and, thus, is a measure of the precision with which an estimate from a particular sample approximates the results of a census.

Nonsampling errors and possibly biases can arise from a number of sources: (1) inability to obtain information about all cases in the sample, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained, and (5) other errors of collection, response, coverage, and estimation for missing data. Bias is the difference between the average of the estimates over all possible samples of the same size and design, and the true value being estimated. It is not possible to estimate bias using the results of one sample.

Data obtained from alternate sources are not subject to sampling errors, but may be subject to nonsampling errors, the magnitudes of which are unknown. Nonsampling errors for survey estimates and estimates adjusted to alternate sources cannot be determined, but attempts are made throughout survey processing to minimize this type of error.

Data in Tables 1 through 12 are based on survey data which are subject to sampling errors. Coefficients of variation, which are estimates of sampling errors, are presented for the retail target variables in the following table for the 2004 survey. The coefficients of variation (CV) were estimated by:

$$CV\left(\hat{V}\right)=\frac{\sqrt{VAR\left(\hat{V}\right)}}{\hat{V}}$$

where:

$$VAR\left(\hat{V}\right)=\sum_{h} n_h\left(1-\frac{n_h}{N_h}\right)S_h^2$$

$$S_h^2=\frac{\sum_{i=1}^{n_h} W_i^2V_i^2+\overline{V}_h^2\sum_{i=1}^{n_h} W_i^2-2\overline{V}_h\sum_{i=1}^{n_h} W_i^2V_i}{n_h-1}$$

$$\overline{V}_h=\frac{\sum_{i=1}^{n_h} W_iV_i}{\sum_{i=1}^{n_h} W_i}$$

$\hat{V}$ = total estimated volume

N_h = stratum population for stratum h

n_h = number of sample units in stratum h

V_i = volume for unit i

W_i = weight for unit i

Response rates also offer some indication of the reliability and comprehensiveness of survey results. For the 2004 EIA-821 survey, the overall response rate (the number of submissions received, divided by the number of submissions solicited and expected, times 100) was 90.9 percent.

Note 3: Data Adjustments

Alternate Source Data

After all preliminary tabulations were verified, comparisons were made between the survey results and available alternate source data. The following energy use categories were replaced by alternate source data at the U.S., Petroleum Administration for Defense (PAD) district, or State level:

Tables 1 through 12:

On-Highway Diesel. Distillate fuel oil by State was calculated from the Federal Highway Administration data on highway use of special fuels. Of the 2000 through 2004 special fuels, more than 99 percent is diesel.

Tables 13 through 24:

The 2003 adjusted numbers have been revised since they were first published in the Fuel Oil and Kerosene Sales 2003. The revisions to the data were made to include new distillate and residual volumes for "Electric Power". When we originally published the Fuel Oil and Kerosene Sales 2003, the "Electric Power" information was still being collected and verified. See Electric Power below for further explanation of how the data are calculated.

Coefficients of Variation for Sales of Fuel Oil, 2004

Geographic Area	Residential Distillate Fuel Oil	Non-Residential Retail Distillate Fuel Oil	Retail Residual Fuel Oil
U.S. Average	**1.6**	**0.8**	**0.1**
PAD District 1 Average	**1.8**	**1.1**	**0.1**
Subdistrict 1A Average	**2.4**	**1.9**	**0.1**
Connecticut	5.7	3.9	0.1
Maine	2.7	4.1	0.1
Massachusetts	4.8	4.0	0.0
New Hampshire	3.2	4.9	0.0
Rhode Island	3.6	3.3	0.0
Vermont	2.3	4.2	0.0
Subdistrict 1B Average	**2.9**	**1.7**	**0.1**
Delaware	4.7	2.5	0.0
District of Columbia	0.0	0.0	0.0
Maryland	3.8	2.2	0.4
New Jersey	5.8	4.4	0.0
New York	4.6	3.2	0.1
Pennsylvania	5.6	2.9	0.0
Subdistrict 1C Average	**3.7**	**1.6**	**0.1**
Florida	11.5	3.8	0.0
Georgia	9.6	3.4	1.6
North Carolina	6.0	3.8	0.0
South Carolina	10.4	3.3	0.1
Virginia	5.4	3.5	0.0
West Virginia	6.0	3.5	0.0
PAD District 2 Average	**2.7**	**1.3**	**0.8**
Illinois	16.7	5.0	0.0
Indiana	8.1	3.4	0.0
Iowa	7.9	4.3	0.1
Kansas	2.8	3.9	0.0
Kentucky	3.4	4.7	0.0
Michigan	4.6	5.1	4.5
Minnesota	5.3	4.4	0.2
Missouri	4.5	3.5	0.0
Nebraska	14.5	7.1	0.0
North Dakota	12.5	5.3	0.0
Ohio	6.5	5.3	0.0
Oklahoma	0.0	5.5	0.0
South Dakota	7.4	3.1	0.0
Tennessee	11.0	2.5	5.9
Wisconsin	7.9	3.4	0.0
PAD District 3 Average	**74.7**	**2.7**	**0.1**
Alabama	1.4	3.8	0.0
Arkansas	1.9	10.5	0.0
Louisiana	3.0	4.0	0.1
Mississippi	64.7	2.5	0.0
New Mexico	32.1	3.2	0.0
Texas	91.0	4.9	0.0
PAD District 4 Average	**12.3**	**2.2**	**0.0**
Colorado	3.1	5.0	0.0
Idaho	16.5	4.3	0.0
Montana	25.3	6.6	0.0
Utah	42.2	2.5	0.0
Wyoming	10.4	4.7	0.0
PAD District 5 Average	**3.2**	**2.6**	**0.3**
Alaska	7.1	1.0	0.0
Arizona	0.0	2.3	0.0
California	6.0	5.6	0.0
Hawaii	0.0	0.0	0.0
Nevada	0.0	3.5	0.0
Oregon	5.6	6.6	5.3
Washington	2.3	3.3	0.0

Note: Coefficients of variation that are less than 0.1 and greater than zero are displayed as 0.1.
Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2004.

Electric Power. National-level distillate and residual fuel oil sales for electric power use were calculated from annual aggregations of data collected on the EIA-906, "Power Plant Report." Form EIA-906 utility and non-utility, NAICS 22 companies, consumption data was added to the stock change of distillate and residual, respectively. Allocations at the State level were based on the EIA-821 survey.

On-Highway Diesel. Distillate fuel oil by State was calculated from the Federal Highway Administration data on highway use of special fuels. Of the 1998 through 2002 special fuels, more than 99 percent is diesel.

1999 through 2003 Adjustments

Kerosene volumes in Tables 1 through 24 are adjusted at the national level to equal products supplied volumes as published in the "Detailed Statistics" section of the Petroleum Supply Annual (PSA). The 2004 survey resulted in 584,456 thousand gallons of kerosene at the national level. The products supplied volume at the national level for kerosene was 988,680 thousand gallons. Hence, the adjustment factor at the national level for 2004 was 1.69.

Volumes of distillate fuel oil in Tables 13 through 24 were adjusted at the PAD district level to equal products supplied volumes. The adjustment factors at the PAD district level for 2004 are as follows:

Distillate Fuel Oil

PAD District 1:	.88
PAD District 2:	1.15
PAD District 3:	1.24
PAD District 4:	1.14
PAD District 5:	.92

For Tables 13 through 24, total sales at the PAD district level equal the products supplied volumes as reported in the PSA, 2000 through 2004. For example, the 2004 survey yielded a volume for distillate residential use in PAD District 2 of 586,370 thousand gallons. The total distillate volume for PAD District 2 was 5,653,599 from the survey, after subtracting the volume coming from alternate sources. The product supplied total distillate volume for PAD District 2 was 6,489,004 after removing alternate source volume. Hence, the adjusted 2003 estimate of distillate for residential use in PAD District 2 was (6,489,004/5,653,599) x 586,370 = 673,015. For distillate fuel oil in Tables 13 through 24, the PAD district adjustments were made to each State and product-use category except on-highway diesel use, and power use.

Volumes of residual fuel oil in Tables 13 through 24 were adjusted at the national level to equal the products supplied estimate. The 2004 survey yielded 11,794,362 gallons of residual fuel oil, while the products supplied volume at the national level was 13,292,286 thousand gallons. Thus, the adjustment factor at the national level for 2004 was 1.04, after subtracting the volumes coming from alternate sources. For residual fuel oil, the adjustments were made to each State and energy use category except electric power.

Note 4: Energy Use Descriptions and Petroleum Product Definitions

Energy Use Descriptions

Residential. An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. Sales to farmhouses are reported under "Farm" and sales to apartment buildings are reported under "Commercial."

Commercial. An energy-consuming sector that consists of service-providing facilities and equipment of nonmanufacturing businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking and running a wide variety of other equipment.

Industrial. An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing and mining. Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products.

Oil Company. An energy-consuming sector that consists of drilling companies, pipelines or other

related oil companies not engaged in the selling of petroleum products. Includes fuel oil that was purchased or produced and used by company facilities for operation of drilling equipment, other field or refinery operations, and space heating at petroleum refineries, pipeline companies, and oil-drilling companies. Sales to other oil companies for field use are included, but sales for use as refinery charging stocks are excluded.

Farm. An energy-consuming sector that consists of establishments where the primary activity is growing crops and/or raising animals. Energy use by all facilities and equipment at these establishments is included, whether or not it is directly associated with growing crops and/or raising animals. Common types of energy-using equipment include tractors, irrigation pumps, crop dryers, smudge pots, and milking machines. Facility energy use encompasses all structures at the establishment, including the farm house.

Electric Power. An energy-consuming sector that consists of electricity only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public--i.e., NAICS 22 plants. Volumes directly imported and used by the electric power companies are included.

Railroad. An energy-consuming sector that consists of all railroads for any use, including that used for heating buildings operated by railroads.

Vessel Bunkering. An energy-consuming sector that consists of commercial or private boats such as pleasure craft, fishing boats, tugboats, an ocean-going vessels, including vessels operated by oil companies. Excluded are volumes sold to the U. S. Armed Forces.

On-Highway Diesel. An energy-consuming sector that consists of motor vehicles: automobiles, trucks, and buses. Vehicles used in the marketing an distribution of petroleum products is also included.

Military. An energy-consuming sector that consists of the U.S. Armed Forces, Defense Energy Support Center (DESC), and all branches of the Department of Defense (DOD).

Off-Highway. An energy-consuming sector that consist of:

1. **Construction.** An energy-consuming sub sector that consist of all facilities and equipment including earthmoving equipment, cranes, generators, air compressors, etc.

2. **Other.** An energy-consuming sub sector that consists of all off-highway uses other that construction. Includes logging, scrape and junk yards, and refrigeration units on trucks.

All Other Uses. Sales for all other energy-consuming sectors not included elsewhere.

Definitions of Petroleum Products and Other Related Terms

ASTM. The acronym for the American Society for Testing and Materials.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

1. **No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuels or a fuel oil.

a. **No. 1 Diesel Fuel.** A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM specification D 975. It is used in high-speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles.

b. **No. 1 Fuel Oil.** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters.

2. **No. 2 Distillate.** A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

a. **No. 2 Diesel Fuel.** A fuel that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the

specifications defined in ASTM Specification D 975. It is used in high speed diesel engines that are generally operated under uniform speed and load conditions such as those in railroads locomotives, trucks, and automobiles.

(1) **Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

(2) **High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

b. **No. 2 Fuel Oil (Heating Oil).** A distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specification defined in ASTM specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units.

3. **No. 4 Fuel.** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low-and medium-speed diesel engines and conforms to ASTM Specification D 975.

NOTE: Respondents to the EIA-821 survey were instructed to report all volumes in accordance with what the product was sold as, regardless of the actual specifications of that product. For example, if a No. 2 distillate was sold as a heating oil or fuel oil, the volume would be reported in the category "No. 2 Fuel Oil" even if the product conformed to the higher specifications of a diesel fuel.

Kerosene. A light petroleum distillate that is used in space heater, cook stoves, an water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-k and No. 2-k, the two grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil.

PAD District. Petroleum Administration for Defense Districts

PAD District 1:

Subdistrict 1A. Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont
Subdistrict 1B. Delaware, District of Columbia, Maryland, New Jersey, New York, and Pennsylvania
Subdistrict 1C. Florida, Georgia, North Carolina, South Carolina, Virginia, and West Virginia

PAD District 2:

Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, Ohio, Oklahoma, Tennessee, and Wisconsin

PAD District 3:

Alabama, Arkansas, Louisiana, Mississippi, New Mexico, and Texas

PAD District 4:

Colorado, Idaho, Montana, Utah, and Wyoming

PAD District 5:

Alaska, Arizona, California, Hawaii, Nevada, Oregon, and Washington

Residual Fuel Oils. A general classification for the heavier oils, know as No. 5 and No. 6 fuel oils that remain after the distillate fuel oils an lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specification D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also know as Navy Special anis defined in Military Specification MIL-F859E, including Amendment 2 (NATO Symbol F-77). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. The United States includes the 50 states and the District of Columbia.

Appendix B

Form EIA – 821: Annual Fuel Oil and Kerosene Sales Report

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Energy Information Administration

U.S. DEPARTMENT OF ENERGY
Energy Information Administration

Form Approved
OMB Number: 1905-0174
Form Expires: 11/30/06

EIA-821: ANNUAL FUEL OIL AND KEROSENE SALES REPORT

This report is mandatory under Public Law 93-275. Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction. For the provisions concerning the confidentiality of information and sanctions, see Sections 8 and 9 of the instructions.

PART I. IDENTIFICATION DATA

For assistance in completing this form call 1-800-592-2299

Provide Corrections to Company Name, Address, and Contact Information in Items 1-8

1. Company Name

2. Street

3. P.O. Box / RFD

4. City | 5. State | 6. Zip Code

7. Name of Contact Person

8. Contact Information
   a. Telephone Number ( ) - -
   b. Fax Number ( ) - -
   c. Email Address

9. Reference Year **2004**

10. Type of Report (*Check One*)
   (1) ☐ Original (2) ☐ Resubmission

11. The Number of States for Which You Are Reporting

12. Which of the following best describes this firm at the end of 2004?

a. ☐ In operation - Sales include petroleum products — Skip to and complete Items 22-25 and Part II

b. (1) ☐ Sold or Merged
   (2) ☐ Leased
   — Complete Items 13 to 25, and Part II for that portion of 2004 in which the firm was active under your ownership and control

c. ☐ Permanently ceased operation — Complete Item 13, then skip to and complete Items 22-25 and Part II for the portion of 2004 in which the firm was active under your ownership and control

d. ☐ Subsidiary of another
e. ☐ Commissioned Agent
   — Complete Items 13 to 25, and Part II for that portion of 2004 in which the firm was active under your ownership and control

f. ☐ Not in petroleum business — Skip to and complete Items 22-25

13. Effective Date of Status Change — Month | Day | Year

14. Name of Company Sold to / Leased to / Merged into / Subsidiary of / Agent for:

15. Name of Contact Person

16. Contact's Telephone Number ( ) - -

17. Street

18. PO Box / RFD

19. City | 20. State | 21. Zip Code

PREPARED BY: *Check appropriate box.* If preparer is different from contact person, complete lines 24 and 25.

22. ☐ Preparer same as contact person shown on label

23. Date

24. ☐ Preparer's Name

25. Preparer's Telephone number

Page 1

EIA-821 (12-04)

Name of Firm Reporting	DOE ID Number	Reference Year 2004	Page_____ of _____

PART II. TOTAL SALES DURING THE REFERENCE YEAR. (READ PAGES 2-4 OF INSTRUCTIONS CAREFULLY)

Line No.	Type of Fuel and Use	States of Destination (*Enter* STANDARD ABBREVIATIONS)
	Sold directly to consumers for	**Kerosene** (*Report in Actual Gallons*)
1	Residential Use (Non-Farm):	
2	Commercial Use:	
3	Industrial Use:	
4	Farm Use:	
5	All Other Uses (*Include own company, please specify*):_____	
6	Sold to Dealers, Resellers, and Refiners:	
7	**Total Kerosene (Add Lines 1 thru 6)**	
	Sold directly to consumers for	**Distillate Fuel Oil** (*Report in Actual Gallons*)
	Residential Use (Non-Farm):	
8	No. 1	
9	No. 2	
	Commercial Use (See Reference Guide):	*Report sales of Low Sulfur Diesel for automobiles, trucks, buses, and school buses on line 28 On-highway Diesel Use with the exception of government vehicles which should be reported on line 12.*
10	No. 1	
11	No. 2 Fuel Oil	
12	No. 2 Diesel ≤ .05% Sulfur, Low	
13	No. 2 Diesel > .05% Sulfur, High	
14	No. 4	
	Industrial Use (Manufacturing and Mining):	
15	No. 1	
16	No. 2 Fuel Oil	
17	No. 2 Diesel ≤ .05% Sulfur, Low	
18	No. 2 Diesel > .05% Sulfur, High	
19	No. 4	
20	Oil Company Use (Drilling and Own Company Refining):	
21	Railroad Use:	
22	Vessel Bunkering (Shipping and Boating):	

EIA-821 (12-04)

Name of Firm Reporting	DOE ID Number	Reference Year 2004	Page_____ of_____

PART II. TOTAL SALES DURING THE REFERENCE YEAR. (READ PAGES 2-4 OF INSTRUCTIONS CAREFULLY)

Line No.	Type of Fuel and Use	States of Destination (*Enter* STANDARD ABBREVIATION)
	Distillate Fuel Oil--Continued (*Report in Actual Gallons*)	
	Military Use:	
23	Diesel	
24	Other Distillate	
25	Electric Power Use (Electric utility and Nonutility power producers):	
	Farm Use:	
26	Diesel	
27	Other Distillate	
28	**On-highway Diesel Use:**	
	Off-highway Use:	
29	Construction	
30	Other (Specify e.g., Logging)_____	
31	All Other Uses (Specify):_____	
32	Sold to Dealers, Resellers, and Refiners:	
33	**Total Distillate (Add Lines 8 thru 32)**	
	Residual Fuel Oil - Include No.5 and No. 6 (*Report in Actual Gallons*)	
	Sold directly to consumers for	
34	Commercial Use (Nonmanufacturing):	
35	Industrial Use (Manufacturing and Mining):	
36	Oil Company Use (Drilling and Own Company Refining):	
37	Railroad Use (Include Volumes on line 41):	
38	Vessel Bunkering:	
39	Military Use:	
40	Electric Power Use (Electric utility and Nonutility power producers):	
41	All Other Uses (Specify):_____	
42	Sold to Dealers, Resellers, and Refiners:	
43	**Total Residual (Add Lines 34 thru 42)**	

Send the completed form to: **U.S. Department of Energy**
Energy Information Administration (EIA-821)
P.O. Box 833
Merrifield, VA. 22116-0833

or telefax completed form by calling: **1(703) 676-7514, Attn: EIA-821**

Printed with soy ink on recycled paper

Fuel Oil and Kerosene Sales, 2004

Fuel Oil and Kerosene Sales With Data for 2004
Posted: November 30, 2005
Next Update: November 2006

The Fuel Oil and Kerosene Sales, 2004 report provides information, illustrations and State-level statistical data on end-use sales of kerosene; No.1, No. 2, and No. 4 distillate fuel oil; and residual fuel oil. State-level kerosene sales include volumes for residential, commercial, industrial, farm, and all other uses. State-level distillate sales include volumes for residential, commercial, industrial, oil company, railroad, vessel bunkering, military, electric utility, farm, on-highway, off highway construction, and other uses. State-level residual fuel sales include volumes for commercial, industrial, oil company, vessel bunkering, military, electric utility, and other uses. The Petroleum Division, Office of Oil and Gas, Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the Fuel Oil and Kerosene Sales, 2004.

NOTE: The 2003 adjusted numbers have been revised since they were first published in the F*uel Oil and Kerosene Sales* 2003. The revisions to the data were made to include new distillate fuel oil and residual fuel oil volumes for "Electric Power" and a new residual product supplied number.

The most recent report is available on this page. Individual sections of the report are listed below. To read reports in PDF format download a free copy of Adobe Acrobat Reader.

Entire

The *entire report* as a single file. PDF

Previous

Previous reports are available on the historical page. historical

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Front Matter

Fuel Oil and Kerosene Sales Cover Page, Contacts, Table of Contents, and Introduction	PDF	

Highlights

Sales of Fuel Oil and Kerosene in 2004	PDF	HTML
Adjusted Sales of Fuel Oil and Kerosene in 2004	PDF	

Tables

Sales of Fuel Oil and Kerosene in 2004

1	Sales of Distillate Fuel Oil by End Use in the United States: 2000-2004	PDF
2	Sales of Residual Fuel Oil by End Use in the United States: 2000-2004	PDF
3	Sales of Kerosene by End Use in the United States: 2000-2004	PDF
4	Sales of Distillate Fuel Oil by End Use, 2003 and 2004	PDF
5	Sales of Residual Fuel Oil by End Use, 2003 and 2004	PDF
6	Sales of Kerosene by End Use, 2003 and 2004	PDF
7	Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2004	PDF
8	Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004	PDF
9	Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004	PDF
10	Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2004	PDF
11	Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2004	PDF
12	Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004	PDF

Adjusted Sales of Fuel Oil and Kerosene in 2004 PDF

13	Adjusted Sales of Distillate Fuel Oil by End Use in the United States: 2000-2004	PDF
14	Adjusted Sales of Residual Fuel Oil by End Use in the United States: 2000-2004	PDF
15	Adjusted Sales of Kerosene by End Use in the United States: 2000-2004	PDF
16	Adjusted Sales of Distillate Fuel Oil by End Use, 2003 and 2004	PDF
17	Adjusted Sales of Residual Fuel Oil by End Use, 2003 and 2004	PDF
18	Adjusted Sales of Kerosene by End Use, 2003 and 2004	PDF
19	Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2004	PDF
20	Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004	PDF
21	Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004	PDF
22	Adjusted Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Power and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 2004	PDF
23	Adjusted Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2004	PDF
24	Adjusted Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2004	PDF

Appendices

A	Fuel Oil and Kerosene Sales Technical Notes	PDF
B	Survey Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report"	PDF

Back to Top

Contact Us

Home | Petroleum | Gasoline | Diesel | Propane | Natural Gas | Electricity | Coal | Nuclear
Renewables | Alternative Fuels | Prices | States | International | Country Analysis Briefs
Environment | Analyses | Forecasts | Processes | Sectors

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URL: http://www.eia.doe.gov/oil_gas/petroleum/data_publications/fuel_oil_and_kerosene_sales/foks.html