Fuel Oil and Kerosene Sales 2003

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Contacts

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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 2003* 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.

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

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Introduction

The Fuel Oil and Kerosene Sales 2003 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 2003.

NOTE: The 2002 adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2002.* 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 kerosenetype 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 2003

Economic growth, a winter much colder than normal coupled with fuel switching, combined to propel distillate sales to a new record high reversing the unusual drop in sales recorded during 2002. Sales in a number of oil consuming sectors registered sharp increases that combined to increase total distillate sales by more than four billion gallons to 63.9 billion gallons and increase of 7.6 percent. The total exceeded the previous record of 59.9 billion gallons set in 2001 by 3.9 billion gallons.

Spurred by very harsh winter conditions and by record high natural gas prices, sales of residual fuel oil surged in 2003. Overall sales of residual fuel oil increased by more than one billion gallons or 10.1 percent, the largest year-to-year increase in sales since 1998. The increase in sales reversed the downturn recorded in 2002 when neither winter weather nor fuel prices supported fuel switching to offset the long-term trend of declining sales of heavy fuel oil. The situation was very different in 2003 with both high natural gas prices and weather conditions pushing fuel switching to oil on a large scale. Sales of kerosene also increased sharply, recovering much of the volume lost in 2002.

The 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 of 76.1 billion gallons, more than 1.5 billion gallons above the previous record set in 2001. Despite the sharp increase in distillate sales, they accounted for a somewhat smaller share of the overall fuel oil market in 2003 than in 2002. Distillate sales accounted for 83.9 percent of total sales compared to 84.3 percent in 2002. Sales of residual fuel oil accounted for 15.0 percent up from 14.7 percent in 2002 and sales of kerosene accounted for the remaining 1.1 percent compared to 0.9 percent of total sales in 2002.

Distillate Fuel Oil

Distillate sales in 2003 surged to 63.9 billion gallons, an all-time high, 3.9 billion gallons above the previous record set in 2001. The increase of 4.5 billion gallons more than made up for the loss recorded in 2002 and exceeded the average increase of the previous decade by nearly three and a half times. It should be noted that the drop in distillate sales in 2002 was the first in

Table HL1. Volume Distribution of Distillate and Residual Fuel Oils, 2002 and 2003

| | Distillat | te 2003 | Distilla | te 2002 | Residual 2003 | | Residual 2002 | |
|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|
| Energy Use | Volume (million gallons) | Percent Share | Volume (million gallons) | Percent Share | Volume (million gallons) | Percent Share | Volume (million gallons) | Percent Share |
| Residential | 6,927 | 10.8 | 6,377 | 10.7 | _ | _ | _ | _ |
| Commercial | 3,687 | 5.8 | 3,293 | 5.5 | 756 | 6.6 | 572 | 5.5 |
| Industrial | 2,394 | 3.7 | 2,384 | 4.0 | 1,414 | 12.4 | 1,251 | 12.1 |
| Oil Company | 514 | 0.8 | 771 | 1.3 | 84 | 0.7 | 109 | 1.1 |
| Farm | 3,201 | 5.0 | 3,418 | 5.8 | _ | _ | _ | _ |
| Electric Power | 1,148 | 1.8 | 751 | 1.3 | 5,273 | 46.2 | 3,575 | 34.5 |
| Railroad | 3,657 | 5.7 | 3,245 | 5.5 | _ | _ | | _ |
| Vessel Bunkering | 2,217 | 3.5 | 2,079 | 3.5 | 3,874 | 34.0 | 4,848 | 46.8 |
| On-Highway | 37,104 | 58.1 | 34,309 | 57.8 | _ | _ | _ | _ |
| Military | 416 | 0.7 | 357 | 0.6 | 10 | 0.1 | 4 | 0.0 |
| Off-Highway | 2,592 | 4.1 | 2,358 | 4.0 | _ | _ | _ | _ |
| Other | 0 | 0.0 | 0 | 0.0 | 2 | 0.0 | 3 | 0.0 |
| Total | 63,855 | | 59,343 | | 11,413 | | 10,362 | |

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 1999-2003. 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.

more than a decade, and resulted from a combination of weather conditions, the state of the economy, and the unusual circumstances brought about in the aftermath of the terrorist attacks of September 2001. Further, even though distillate sales went up in 2001, the magnitude of that increase was the smallest of the previous decade, representing only about one-fifth of the average increase of the previous 10 years. When those factors are considered, neither the increase of 4.5 billion gallons, nor the total of 63.9 billion gallons for 2003 is necessarily remarkable. In fact, considering the average increase from 1991 through 2000, had that trend continued uninterrupted through 2003, total distillate sales of approximately 64 billion gallons could have been expected.²

In 2003, a number of factors contributed to the upturn in distillate sales. *First*, and by far the most significant influence on sales was the increase in sales to the transportation sector. Total sales of distillate for railroad, vessel bunkering, and on-highway use increased by approximately 3.3 billion gallons (8.4 percent).

Second, economic conditions generally continued to improve from the downturn experienced in 2001. In 2003, despite rising energy prices, sales improved in most sectors of the market when compared to 2002. Gross Domestic Product (GDP), a prime measure of the state of the economy, increased by 3.1 percent in constant dollars, well above the gain of 2.2 percent registered for 2002. Unlike 2002 when industrial production fell by 0.54 percent, overall industrial production increased slightly in 2003, up by 0.2 percent. Nonetheless the high cost of fuel, especially for natural gas, contributed to a drop in the production of non-durable goods of 2.2 percent and a drop in industrial utilization of 1.06 percent. Overall expenditures for new construction increased by 4.3 percent, compared to an increase of 0.97 percent last year. In addition, although expenditures for new construction in the commercial and industrial sectors fell again, the drop was smaller than that in 2002, 8.4 percent for 2003, compared to a drop of 23.4 percent in 2002.

In addition, although total energy consumption in the United States increased during 2003, the amount of the increase was slight, only about 0.2 quads compared to an increase of 1.6 quads for 2002. Despite the small

increase in energy use total energy consumption of 98.2 quads was second only to the 98.9 quads consumed in 2000.³

Despite a generally improved economic situation for the country, unemployment remained a problem, increasing slightly from 5.8 to 6.0 percent. However, the increase in 2003 was considerably smaller than was the case in 2002 when the unemployment rate jumped from 4.7 to 5.8 percent.⁴

Third, weather played a significant role in stimulating distillate demand in 2003. Although the overall increase in the number of heating degree days in 2003 was just 4.1 percent for the nation as a whole, when examined on a regional basis the differences are far more pronounced, particularly in the principal fuel oil consuming sections of the country (New England, Central Atlantic and East North Central) where heating oil demand for both residential and commercial consumers is the greatest. During the winter of 2003 the weather was sharply colder than during 2002 in New England and the Middle Atlantic, 12.3 and 17.1 percent respectively. The sharply colder winter in the northeast was sufficient to push the heating degree total for all three regions above the normal or average for the respective regions for several years. Nationally, residential heating oil sales increased by 550 million gallons or 8.6 percent to 6.9 billion gallons, the highest level since 1994.

Higher fuel prices also impacted distillate sales. Although fuel prices in general moved higher in 2003, the differential between natural gas and fuel oil was sufficient to lead many commercial, industrial, and utility end users, who had the option, to switch from gas to oil when the opportunity was presented. Fuel switching boosted sales of both distillate and residual fuel oil. (For details on the impact of high natural gas prices on sales of residual fuel oil please see the residual fuel oil section below.) Sales of distillate to the commercial sector increased by 393 million gallons or 11.9 percent.

Sales for electric generation also increased considerably over the previous year as electric power generators attempted to meet increased demand in both winter and summer by running peaking units to meet incremental demand at critical times for short periods of time⁶. Such units are used in the winter when it is very

² The average increase during the period 1991-2001 was 1.47 billion gallons. Distillate sales increased by more than 2.0 billion gallons in both 1999 and 2000.

³ One quad equals one quadrillion (a one followed by fifteen zeros) British thermal units (Btu), source EIA, MER May 2003, Table 2.1

⁴ Economic Indicators, September 2003, Washington D.C. U.S. government Printing Office, p 12. (Data are adjusted for inflation using 1996 as the base).

⁵ Generally, those having fuel switching capability switch only if market conditions appear to be favorable for a prolonged period of some weeks, fuel switching does not typically occur if the window of opportunity appears likely to last only for several days.

⁶ Smaller peaking units, especially older units are often combustion turbines (in some cases converted jet turbine engines that run on No 2 fuel oil).

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. In 2003, harsh winter conditions boosted demand for home heating, however, the summer of 2003 while remaining somewhat warmer than a normal year, was considerably cooler, particularly in the Middle Atlantic and East North Central regions and to a lesser extent in Northeast region of the country. Nonetheless, in 2003, as already high natural gas prices increased sharply during the summer, the volume of fuel oil (both distillate and residual) used to generate electricity increased sharply and that increased was mirrored by a corresponding drop in the use of natural gas used for that purpose. Thus, some of the increase in the use of distillate was brought about by increased reliance on peaking units run not so much to meet summer cooling demand but to save money.

The transportation sector once again accounted for the largest gains in sales of distillate fuels. Sales to each segment in the transportation sector increased significantly. Bunker sales, the smallest transportation segment increased by 138.0 million gallons (6.6 percent), sales to railroads increased by 411.1 million gallons and sales of on-highway diesel fuel increased by 2.8 billion gallons (8.2 percent). The increase in the combined sales of distillate to the transportation sector totaled more than 3.3 billion gallons and more than 74 percent of the overall increase in total distillate fuel oil sales.

In 2003, influenced by adverse weather conditions coupled with higher fuel prices, the number of acres harvested for most major crops including soybeans, corn, and vegetables was essentially unchanged or down slightly from 2002. The only large-scale change among the major crops took place in the number of acres of wheat that were harvested during 2002. In 2002 wheat was harvested from 45.8 million acres in 2003 the number jumped to 52.8 million acres an increase of 15 percent. However, the increase should be measured against the crops of 2001 and 2002 that were the smallest in decades. The summer of 2003 in the west and especially in California was much hotter than during 2002 and also much hotter than normal. This had a correspondingly negative impact on agriculture production in California, the leading agricultural state. For example, the volume of crushed grapes (used in the production of wine) declined by 11 percent. Overall for the United States, sales of distillate to the agricultural sector fell by 218 million gallons, 6.4 percent.

As low interest rates remained in effect throughout the year, the number of new housing units surged, increasing by 14.1 percent, helping to boost distillate sales to the off-highway construction market by 233.9 million gallons, 9.9 percent. Although the increase was offset to some degree by a drop of 8.40 in new construction in the commercial and industrial sectors, the decline was considerably smaller than the drop of more than 23.3 percent that occurred the previous year.⁹

A number of factors including the lingering effects of the credit crunch impacted the energy sector during 2003 and resulted in a reduction of distillate fuel used directly by oil companies. With the credit crunch many companies reduced spending during 2002. In 2003, despite generally higher commodity prices, many companies were reluctant especially early in the year to boost spending to seek out new fields. Instead, companies emphasized debt reduction and maximizing profits. To achieve the first objective, companies (often the multinational majors or other large companies) divested less valued assets; often mature fields in the United States. To achieve the second, the companies tended to emphasize exploration in those areas where the returns could be gained the quickest and for the lowest possible investment. Consequently, even later in the year when companies announced increased exploration efforts, they tended to concentrate efforts outside of North America. Further, a prolonged strike in Venezuela and unrest in Nigeria that led major companies to declare force majeure reduced crude imports for several weeks early in the year. Later in the year the unusually high prices for natural gas led some producers to reduce gas processing leaving in more natural gas liquids than normal; this not only impacted gas processing fuel needs but also impacted petrochemical operations. In 2003 sales of distillate for oil company use fell by 259.1 million gallons (33.5 percent).

On a regional basis, the colder winter weather helped to boost sales of distillate for residential use in PAD District 1¹⁰ (East Coast), in PAD District 2 (Midwest) and in PAD District 4 (Rocky Mountain). In PAD District 1, sales increased by 240.2 million gallons in PAD District 1A (New England), by 262.9 in PAD District 1B (Central Atlantic), and by 31.7 million gallons in

⁷Department of Agriculture, National Agricultural Statistics Service.

⁸ California Agricultural Statistics Service, Preliminary Grape Crush Report For 2003, Release Number: CDFA04-007, February 20, 2004.

⁹ Economic Indicators, May 2004, Washington, D.C., U.S. Government Printing Office, p 12.

¹⁰The U.S. is divided into 5 Petroleum Administration for Defense Districts (PAD District 1, East Coast, District 2, Midwest, District 3, Gulf Coast, District 4, Rocky Mountain, and District 5, West Coast. PAD District 1 is broken into three subdivisions: PAD District 1A, New England, PAD District 1B, Central Atlantic, and PAD District 1C, Lower Atlantic.

PAD District 1C (Lower Atlantic); sales in PAD District 2 increased by 40.2 million gallons and PAD District 4 increased by 0.9 million gallons. Winter conditions in PAD District 3 (Gulf Coast) and PAD District 5 (West Coast) were warmer than normal, consequently sales of distillate to the residential market dropped. Sales in PAD District 3 fell by 2.0 million gallons and by 23.3 million gallons in PAD District 5.

Sales to the commercial sector increased in PAD Districts 1 and 3 but declined elsewhere. The largest increases, reflecting the harsh winter, occurred in PAD District 1A where sales were up by 200.0 million gallons, PAD District 1B where sales increased by 190.4 million gallons, and PAD District 3 where sales increased by 53.5 million gallons. Sales fell the most in the West Coast region dropping by 73.0 million gallons. The very large increases in the New England and Central Atlantic regions of PAD District 1, not only reflect the harsh winter conditions but also resulted in part from a temporary change in fuel use dynamics where fuel switching the in the region took some sales away from natural gas which had been gaining market share in the commercial sector in recent years."

In 2003, sales of distillate to the industrial sector were generally down on a regional basis. Sales increased only in PAD District 1A, New England, and PAD District 3, the Gulf Coast. The increase in New England in particular reflected the ability of a substantial number of industrial consumers in the region to fuel switch. Sales elsewhere fell reflecting a general decline in industrial activity; total energy consumption by the industrial sector dipped slightly by 0.8 percent. 12 Very high natural gas prices led to the closure of some industrial facilities especially during the first half of the year as the amount of natural gas in storage reached an all-time low that led to concern about the ability of the industry to refill storage in time for the following winter. However, by August, some of the concern had moderated and much of the fuel switching had abated as well. 13. For the year, sales increased by 56.1 million gallons in PAD District 1A, declined by 8.0 million gallons in PAD District 1B, and declined by 1.7 million gallons in PAD District 1C. Sales increased by 79.8 million gallons in PAD District 3 but declined by 50.5 million gallons in PAD District 2, declined 7.6 million gallons in PAD District 4 and declined 58.0 million gallons in PAD District 5.

Sales to the military increased by 58.3 million gallons (16.3 percent). Sales were up generally throughout the country with the exception of PAD District 1A (New England), and the West Coast, the region most removed from the theater of action in the war with Iraq.

Boosted by fuel switching and the operation of peaking facilities, distillate sales to the electric power sector surged, increasing by 397.1 million gallons (52.9 percent). On a regional basis, sales increased throughout the country without exception; the largest increases occurred in the Lower Atlantic portion of PAD District 1 where sales increased by 138.8 million gallons (66.9 percent) and in PAD District 3, the Gulf Coast where sales more than doubled, increasing by 93.2 million gallons (127.6 percent).

Residual Fuel Oil

Natural gas prices typically increase with the approach of winter, however, during the winter of 2002-2003, natural gas prices surged to record levels as the winter weather proved to be far colder than normal particularly in the Northeast and stocks of natural gas reached record low levels as the winter progressed. As a consequence of the unusually high prices for natural gas, consumers with the ability to switch from gas to oil did so in large numbers and sales of residual fuel oil surged; total sales of residual fuel oil increased by nearly 1.1 billion gallons (10.1 percent). The largest increase by far occurred in the sales to the electric power sector where sales increases, driven primarily by fuel switching, surged by 1.7 billion gallons (47.5 percent) over the level of sales in 2002. Also boosted by fuel switching, sales to commercial sector increased by 183.4 million gallons (32.1 percent), and sales to the industrial sector increased by 163.4 million gallons (13.1 percent).

When viewed in the aggregate, the overall increase in residual fuel oil sales more closely resembles the increase in sales during 2001 rather than that sharp drop in sales that occurred in 2002 or the long-term trend toward lower sales typical of the past several years. In 2001 and 2003 similar conditions including a cold winter coupled with unusually high gas prices prevailed and in both years led to significant amounts of fuel switching. In 2002, more moderate natural gas

¹¹Some large commercial users (particularly institutional consumers) have the ability to fuel switch.

¹²EIA, Monthly Energy Review, May 2004, Table 2.1.

¹³Oil Daily, issues of April 7, 2004, p7, May 28, 2004, p5, and August 4, 2004, p5.

prices and a more typical relationship; between natural gas and fuel oil provided no incentive for those with the ability to switch fuels to move away from gas to oil.

Consequently, the very substantial increases in 2001 and 2003 should not be seen as a contradiction to the long-term trends of declining sales and production of heavy fuel oil. Rather, in 2003 as in 2001 very cold winter weather, tight gas supplies and very high gas prices provided the opportunity for large customers to switch from gas to fuel oil whenever possible. In addition, in 2003, unusually high prices for natural gas later in the year provided the incentive for customers to fuel switch during the late spring and into the summer as well. A close examination of electric power production during 2003 compared on a month-to-month basis with 2002 reveals that with the exception of January 2003, less natural gas was used in the generation of electric power in each month than was the case during the previous year.

With an increase of 183.9 million gallons (32.1 percent), sales of residual fuel oil to the commercial sector reached a total of nearly 756 million gallons, the highest volume since 1997. Sales were up throughout the country with the exception of PAD District 5, the West Coast. Reflecting both the colder than normal winter and fuel switching, the largest increases were in the Central Atlantic up 94.7 million gallons (21.9 percent) and New England up 61.7 million gallons (69.7 percent).

Sales to the military more than doubled increasing by 6.4 million gallons (164.0 percent). With the exception of PAD District 1A, sales increased throughout the country.¹⁴

Although overall sales of residual fuel oil increased in 2003, not all sectors experienced increased sales. Neither the small drop of 1.9 million gallons of miscellaneous sales nor the drop of 24.6 million in sales to oil company use (22.6 percent) were significant, however, not even the massive drop of 973.8 million gallons (20.1 percent) in the bunker market was large enough to emerge from the shadow of the combined increases in the electric power, commercial and industrial sectors.

Sales of bunker fuel plunged, since higher prices in the United States compared with other major markets such as Rotterdam and Singapore led many shippers to forego refueling while in a US port. Sales of bunker fuel fell in all regions of the country and in each of the three districts of PAD District 1. Sales fell the most in PAD District 5, which includes California, where an exemption on payment of sales tax on bunker fuel expired on January 1, 2003 and consequently, ships found it significantly cheaper to fill their tanks elsewhere to avoid the tax. Bunker sales in PAD District 5 fell 377.7 million gallons (27.8 percent). Although the special circumstances in California exacerbated the impact of high domestic prices, substantial drops in sales of bunker fuel also occurred in Pad District 3 by 140.4 million gallons, PAD District 1B by 144.3 million gallons, and PAD District 1C by 246.2 million gallons.

Rather than a turnaround in the decline of heavy fuel, weather and increased volatility in the natural gas market are now central to the fortunes of the residual fuel oil market in any given year. 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 will take advantage of the situation and switch to oil. The long-term trend toward lower sales of residual fuel remains and continues to affect the market; it reflects factors within in the energy sector and externalities as well. 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 is down, significant fluctuations in the amount of fuel sold will occur whenever price differentials make switching attractive and whenever interruptible gas contracts take effect during the coldest winter periods.

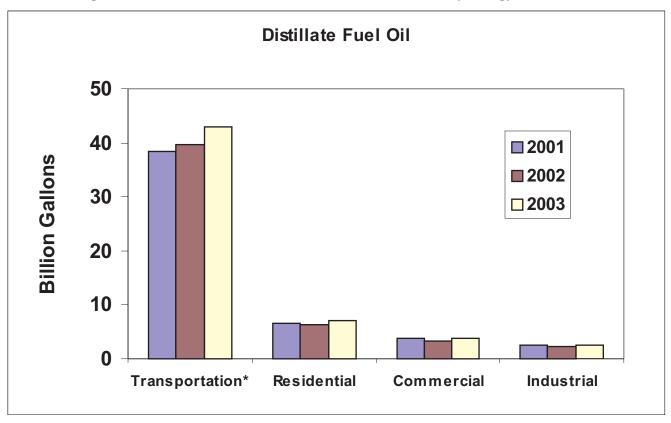
Kerosene

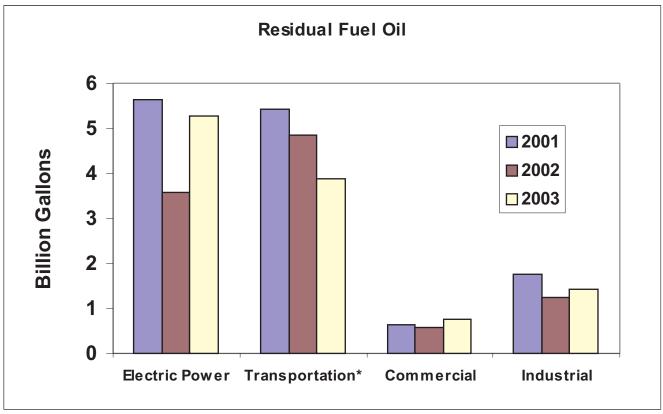
Sales of kerosene increased by 173.2 million gallons (26.1 percent). Aside from the farm sector, sales increased in all consuming sectors. The largest increases took place in the residential and industrial sectors where sales increased by 76.9 million gallons and 86.9 million gallons respectively.

No sales of residual fuel to the military were recorded in PAD District 3 or 4 in either 2001 or 2002.

¹⁵It 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 and re-sell the fuel, rather than generate electricity.

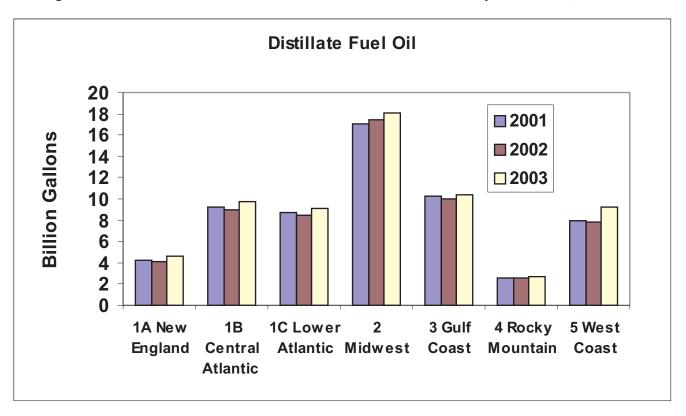
Figure HL1. U.S. Sales of Distillate and Residual Fuel Oils by Energy Use, 2001-2003

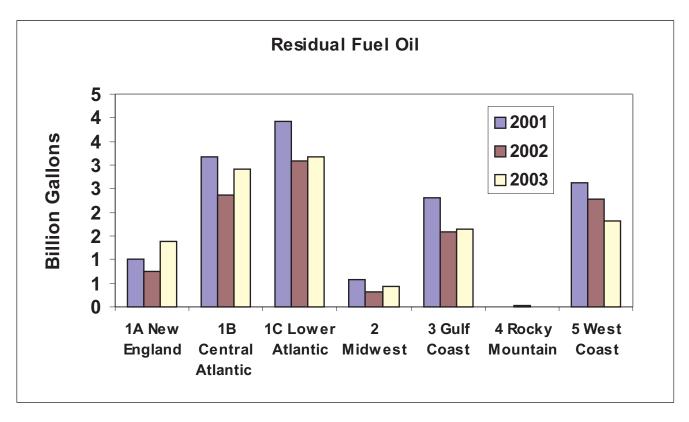




*For distillate fuel oil, transportation use comprises railroad, vessel bunkering, and on-highway diesel energy use categories. For residual fuel oil, transportation use comprises the vessel bunkering energy use category. Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2001 and 2002.

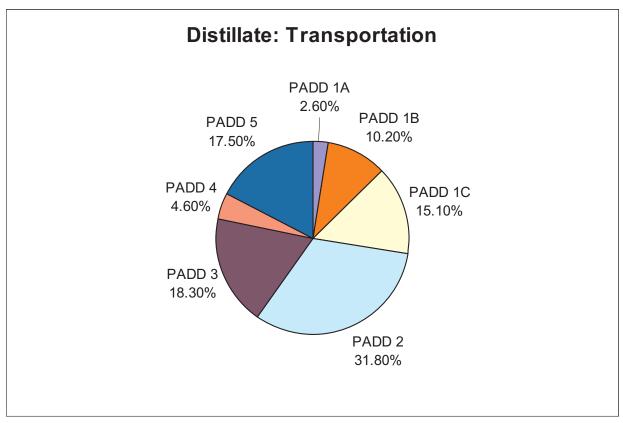
Figure HL2. Volume Distribution of Distillate and Residual Fuel Oils by PAD District, 2001 - 2003

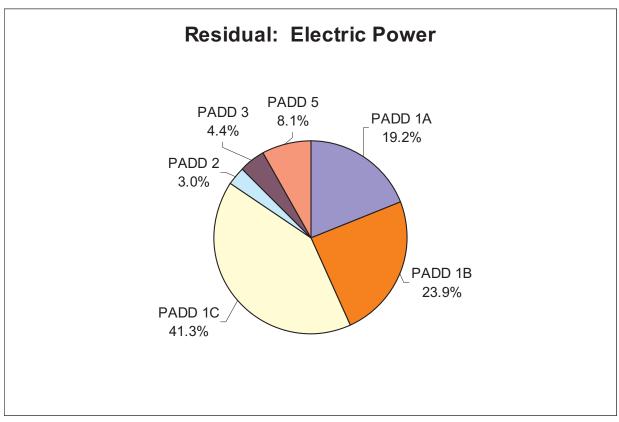




^{*}Residual fuel oil sales in PAD District IV are too small to appear in this graph. Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2001 and 2002.

Figure HL3. Distillate and Residual Fuel Oil Sales for Selected Energy Use Categories by PAD District, 2003





Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2003.

Table 1. Sales of Distillate Fuel Oil by Energy Use in the United States: 1999-2003 (Thousand Gallons)

| | | | Distillate Fuel Oil | | | |
|--------------------|------------|------------|---------------------|------------|------------|--|
| Energy Use | 1999 | 2000 | 2000 2001 | | 2003 | |
| U.S. Total | 57,573,018 | 59,601,230 | 59,911,345 | 59,342,633 | 63,854,776 | |
| Residential | 6,302,466 | 6,830,455 | 6,642,941 | 6,376,653 | 6,927,070 | |
| Commercial | 3,338,242 | 3,706,345 | 3,717,862 | 3,293,387 | 3,686,537 | |
| Industrial | 2,477,719 | 2,330,870 | 2,466,456 | 2,384,383 | 2,394,445 | |
| Oil Company | 659,039 | 686,454 | 747,627 | 770,682 | 513,511 | |
| Farm | 3,411,623 | 3,454,861 | 3,584,104 | 3,418,452 | 3,200,809 | |
| Electric Power | 816,008 | 1,015,100 | 1,343,761 | 750,557 | 1,147,727 | |
| Railroad | 3,239,044 | 3,290,507 | 3,039,761 | 3,245,482 | 3,656,657 | |
| /essel Bunkering | 2,419,336 | 2,261,422 | 2,044,049 | 2,078,921 | 2,216,921 | |
| On-Highway Diesel | 32,062,447 | 33,129,664 | 33,215,320 | 34,308,885 | 37,103,563 | |
| Military | 356,602 | 306,170 | 401,236 | 357,359 | 415,702 | |
| Off-Highway Diesel | 2,490,492 | 2,589,383 | 2,708,228 | 2,357,872 | 2,591,833 | |

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 1999-2003. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 2. Sales of Residual Fuel Oil by Energy Use in the United States: 1999-2003 (Thousand Gallons)

| F | Residual Fuel Oil | | | | | | | | | |
|------------------|-------------------|------------|------------|------------|------------|--|--|--|--|--|
| Energy Use | 1999 | 2000 | 2001 | 2002 | 2003 | | | | | |
| U.S. Total | 13,328,058 | 13,210,935 | 13,609,379 | 10,361,615 | 11,412,833 | | | | | |
| Commercial | 645,927 | 664,360 | 647,758 | 572,039 | 755,956 | | | | | |
| Industrial | 1,700,054 | 1,585,140 | 1,747,367 | 1,250,634 | 1,414,052 | | | | | |
| Oil Company | 123,984 | 153,522 | 132,177 | 108,673 | 84,100 | | | | | |
| Electric Power | 4,990,083 | 4,362,680 | 5,647,433 | 3,575,249 | 5,273,089 | | | | | |
| Vessel Bunkering | 5,838,128 | 6,409,863 | 5,409,378 | 4,847,704 | 3,873,849 | | | | | |
| Military | 25,702 | 28,427 | 20,117 | 3,882 | 10,249 | | | | | |
| All Other | 4,181 | 6,942 | 5,149 | 3,435 | 1,538 | | | | | |

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 1999-2003.

Table 3. Sales of Kerosene by Energy Use in the United States: 1999-2003 (Thousand Gallons)

| | Kerosene | | | | | | | | | |
|-------------|-----------|-----------|-----------|---------|---------|--|--|--|--|--|
| Energy Use | 1999 | 2000 | 2001 | 2002 | 2003 | | | | | |
| U.S. Total | 1,118,124 | 1,036,014 | 1,108,926 | 664,314 | 837,480 | | | | | |
| Residential | 823,436 | 700,532 | 704,305 | 443,919 | 520,799 | | | | | |
| Commercial | 199,577 | 219,633 | 232,608 | 118,125 | 138,049 | | | | | |
| Industrial | 58,279 | 86,844 | 141,317 | 77,508 | 164,386 | | | | | |
| Farm | 26,312 | 23,084 | 27,162 | 19,390 | 11,674 | | | | | |
| All Other | 10,521 | 5,921 | 3,535 | 5,372 | 2,572 | | | | | |

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 1999-2003 and the "Petroleum Supply Annual," Volume 1, 1999-2003, (DOE/EIA-0340(99)/1 - (03)/1).

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003

| Booting of the co | Reside | ential | Comm | nercial | Indus | strial |
|-------------------------|-------------------|--------------------|------------------|------------------|------------------|------------------|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 |
| U.S. Total | 6,376,653 | 6,927,070 | 3,293,387 | 3,686,537 | 2,384,383 | 2,394,445 |
| PAD District 1 Total | 5,549,350 | 6,084,041 | 2,142,071 | 2,573,044 | 795,157 | 841,484 |
| Subdistrict 1A Total | 2,226,579 | 2,466,734 | 540,673 | 740,712 | 61,238 | 117,292 |
| Connecticut | 565,684 | 682,429 | 124,644 | 155,903 | 16,094 | 52,299 |
| Maine | 291,542 | 393,903 | 117,558 | 163,703 | 16,577 | 16,969 |
| Massachusetts | 953,235 | 901,158 | 165,649 | 248,404 | 11,094 | 21,300 |
| New Hampshire | 179,862 | 221,331 | 66,826 | 86,934 | 7,331 | 11,628 |
| Rhode Island Vermont | 144,952 91,304 | 165,277 102,636 | 28,618 37,377 | 43,729 42,038 | 4,186 5,956 | 6,762 8,334 |
| Subdistrict 1B Total | 2,945,645 | 3,208,522 | 1,210,999 | 1,401,364 | 207,590 | 1 99,572 |
| Delaware | 42.754 | 47,141 | 14,654 | 13,076 | 3,554 | 2,942 |
| District of Columbia | 15,199 | 15,685 | 12,778 | 16,566 | 192 | 240 |
| Maryland | 190,081 | 183,736 | 107,941 | 99,564 | 26,378 | 25,913 |
| New Jersey | 390,944 | 459,552 | 104,265 | 136,140 | 25,212 | 41,790 |
| New York | 1,420,939 | 1,509,847 | 649,354 | 856,394 | 45,491 | 45,853 |
| Pennsylvania | 885,729 | 992,560 | 322,007 | 279,624 | 106,763 | 82,834 |
| Subdistrict 1C Total | 377,126 | 408,785 | 390,399 | 430,968 | 526,329 | 524,620 |
| Florida | 4,042 | 4,961 | 110,928 | 118,717 | 55,149 | 100,857 |
| Georgia | 2,376 | 1,673 | 44,344 | 40,750 | 73,644 | 102,886 |
| North Carolina | 121,287 | 132,353 | 86,037 | 94,803 | 50,440 | 59,001 |
| South Carolina | 16,691 | 19,273 | 28,900 | 26,132 | 15,506 | 27,943 |
| Virginia | 210,973 | 229,469 | 106,131 | 140,496 | 88,602 | 113,000 |
| West Virginia | 21,757 | 21,057 | 14,060 | 10,070 | 242,990 | 120,934 |
| PAD District 2 Total | 594,109 | 634,278 | 571,142 | 566,128 | 699,833 | 649,349 |
| Illinois | 11,404 | 10,972 | 70,866 | 61,951 | 69,476 | 60,344 |
| Indiana | 36,407 | 50,862 | 59,558 | 75,012 | 131,292 | 104,932 |
| lowa Kansas | 25,065 1,549 | 16,836 799 | 19,601 27,456 | 30,179 28,359 | 10,243 13,301 | 8,063 24,047 |
| Kentucky | 17,506 | 21,648 | 46,117 | 34,155 | 146,214 | 103,009 |
| Michigan | 95,570 | 98,834 | 41,743 | 51,267 | 25,735 | 24,051 |
| Minnesota | 95,716 | 104,485 | 35,459 | 32,906 | 40,378 | 48,803 |
| Missouri | 12,533 | 8,923 | 42,960 | 36,380 | 49,072 | 35,613 |
| Nebraska | 2,940 | 3,872 | 3,991 | 9,153 | 5,766 | 7,069 |
| North Dakota | 18,335 | 22,385 | 6,121 | 7,942 | 10,000 | 14,924 |
| Ohio | 137,168 | 144,629 | 97,454 | 78,193 | 85,446 | 81,723 |
| Oklahoma | 85 | 41 | 15,108 | 4,233 | 20,373 | 17,809 |
| South Dakota | 11,547 | 13,603 | 7,757 | 5,661 | 9,003 | 6,225 |
| Tennessee | 4,958 | 5,233 | 44,671 | 47,569 | 27,478 | 47,924 |
| Wisconsin | 123,325 | 131,154 | 52,280 | 63,168 | 56,056 | 64,813 |
| PAD District 3 Total | 2,841 | 861 | 195,072 | 248,608 | 352,592 | 432,395 |
| Alabama | 1,578 | 329 | 33,827 | 47,261 | 57,837 | 140,267 |
| Arkansas Louisiana | 371 377 | 159 185 | 19,284 16,395 | 32,207 15,381 | 26,100 74,564 | 21,581 22.597 |
| Mississippi | 46 | 44 | 11,324 | 19,271 | 32.254 | 26,039 |
| New Mexico | 302 | 135 | 14,199 | 17,355 | 36.161 | 31,282 |
| Texas | 167 | 10 | 100,044 | 117,133 | 125,677 | 190,629 |
| PAD District 4 Total | 26,360 | 27,227 | 77,924 | 64,525 | 237,408 | 229,829 |
| Colorado | 1,066 | 494 | 21,465 | 13,524 | 30,808 | 31,496 |
| Idaho | 15.140 | 13,984 | 14,188 | 13,240 | 19,094 | 17,259 |
| Montana | 5,290 | 8,468 | 5,935 | 7,469 | 22,592 | 31,346 |
| Utah | 3,564 | 3,010 | 24,110 | 23,508 | 38,951 | 42,194 |
| Wyoming | 1,300 | 1,271 | 12,225 | 6,784 | 125,964 | 107,533 |
| PAD District 5 Total | 203,993 | 180,662 | 307,178 | 234,233 | 299,393 | 241,389 |
| Alaska | 64,396 | 63,728 | 53,512 | 40,349 | 48,987 | 45,195 |
| Arizona | 406 | 407 | 35,937 | 21,254 | 73,780 | 56,786 |
| California | 6,338 | 5,222 | 94,610 | 77,766 | 52,537 | 49,427 |
| Hawaii | 13 | 14 | 13,397 | 12,228 | 2,483 | 4,869 |
| Nevada | 8,979 | 7,363 | 15,440 | 12,137 | 60,700 | 42,498 |
| Oregon | 41,948 81 014 | 38,990 64,940 | 44,367 | 22,911 47,587 | 35,596 35,310 | 19,958 |
| Washington | 81,914 | 64,940 | 49,915 | 47,587 | 25,310 | 22,656 |

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| | Oil Com | pany | Far | m | Electric Power | | |
|----------------------|---------------|-----------------|-------------------|------------------|-----------------------|-----------------|--|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 | |
| J.S. Total | 770,682 | 513,511 | 3,418,452 | 3,200,809 | 750,557 | 1,147,72 | |
| PAD District 1 Total | 26,012 | 26,602 | 495,343 | 495,298 | 345,651 | 567,598 | |
| Subdistrict 1A Total | 40 | 741 | 32,254 | 36,948 | 8,881 | 23,17 | |
| Connecticut | 6 | 7 | 7,960 | 7,830 | 1,367 | 4,379 | |
| Maine | 34 | 218 | 8,088 | 12,037 | 320 | 53 | |
| Massachusetts | - | - | 5,482 | 5,216 | 3,405 | 13,92 | |
| New Hampshire | _ | _ | 4,997 | 5,865 | 2,185 | 1,77 | |
| Rhode Island | _ | 515 | 136 | 90 | 1,191 | 1,37 | |
| | _ | 313 | | | , | , | |
| Vermont | 40.055 | 44.667 | 5,592 | 5,910 | 414 129.282 | 1,17 | |
| Subdistrict 1B Total | 19,255 | 14,667 | 111,400 | 118,133 | -, - | 198,09 | |
| Delaware | 11,183 | 8,343 | 8,432 | 7,224 | 4,456 | 7,59 | |
| District of Columbia | _ | _ | | | 19,246 | 8,38 | |
| Maryland | 8 | _ | 15,315 | 20,481 | 23,845 | 43,12 | |
| New Jersey | 296 | 1,679 | 10,149 | 5,781 | 18,415 | 27,78 | |
| New York | 1 | 2 | 44,649 | 47,339 | 10,697 | 31,03 | |
| Pennsylvania | 7,767 | 4,643 | 32,855 | 37,308 | 52,622 | 80,18 | |
| Subdistrict 1C Total | 6,716 | 11,194 | 351,690 | 340,218 | 207,488 | 346,33 | |
| Florida | 219 | 35 | 133,634 | 162.871 | 125,324 | 92,89 | |
| Georgia | 90 | 287 | 118,586 | 80,059 | 10,335 | 19,84 | |
| North Carolina | 276 | 1,286 | 44,171 | 41,330 | 31,432 | 47,88 | |
| South Carolina | 603 | 1,371 | 20,873 | 19.194 | 14,807 | 20,43 | |
| | 425 | 4,175 | 32,970 | 35.458 | 10.281 | 128,92 | |
| Virginia | | , | , | , | -, - | , | |
| West Virginia | 5,104 | 4,040 | 1,455 | 1,306 | 15,308 | 36,34 | |
| AD District 2 Total | 47,371 | 72,528 | 1,712,833 | 1,543,845 | 143,793 | 191,91 | |
| Illinois | 528 | 65 | 153,987 | 163,604 | 8,840 | 9,26 | |
| Indiana | 66 | _ | 87,329 | 129,943 | 15,010 | 16,27 | |
| lowa | _ | _ | 230,919 | 173,763 | 2,894 | 6,61 | |
| Kansas | 8,844 | 9,525 | 151,596 | 160,998 | 5,184 | 6,91 | |
| Kentucky | 467 | 1,423 | 36,361 | 30,406 | 10,319 | 8,30 | |
| Michigan | 25 | 780 | 48,537 | 47,323 | 23,974 | 18,93 | |
| Minnesota | 2 | _ | 119,518 | 117,755 | 5,730 | 8,99 | |
| Missouri | 155 | 128 | 70,146 | 92,388 | 6,910 | 6,07 | |
| Nebraska | _ | 2 | 201,222 | 204,781 | 683 | 2,84 | |
| North Dakota | 3,838 | 6,009 | 97,073 | 96,665 | 1,620 | 2,01 | |
| Ohio | 1,734 | 3,561 | 92,156 | 97,062 | 27,126 | 59,40 | |
| Oklahoma | 31,621 | 50,751 | 64,616 | 44,449 | 10,348 | 4,51 | |
| South Dakota | 12 | 30,731 | 56,734 | 60,953 | 701 | 1,53 | |
| | | 42 | , | | | , | |
| TennesseeWisconsin | - 80 | 243 | 31,413 271,224 | 30,095 93,659 | 18,185 6,269 | 30,000 10,21 | |
| AR Blocker & Total | 202.254 | 202 205 | 507 705 | 040.000 | 70.004 | 400.00 | |
| AD District 3 Total | 620,054 | 322,635 | 537,705 | 610,229 | 73,061 | 166,29 | |
| Alabama | 245 | 903 | 21,295 | 27,808 | 3,005 | 15,32 | |
| Arkansas | 1,427 | 2,735 | 112,539 | 172,817 | 5,344 | 7,49 | |
| Louisiana | 338,520 | 74,171 | 70,195 | 54,984 | 8,390 | 9,76 | |
| Mississippi | 8,830 | 2,059 | 65,022 | 50,466 | 1,317 | 2,31 | |
| New Mexico | 20,613 | 25,834 | 15,745 | 35,192 | 2,785 | 3,07 | |
| Texas | 250,419 | 216,933 | 252,909 | 268,961 | 52,221 | 128,32 | |
| AD District 4 Total | 21,690 | 41,885 | 170,752 | 180,607 | 6,923 | 11,48 | |
| Colorado | 4,482 | 5,087 | 46,346 | 51,274 | 1,868 | 1,71 | |
| Idaho | ., | - | 60,617 | 52,982 | 19 | ., | |
| Montana | 1,268 | 12,682 | 38,649 | 48,225 | _ | 3,24 | |
| | 771 | | | | 1 906 | | |
| Utah Wyoming | 15,169 | 8,937 15,179 | 12,362 12,778 | 20,875 7,251 | 1,896 3,140 | 3,28 3,22 | |
| AD Diotriot 5 Total | FE | 40.000 | E04 000 | 270 020 | 404 400 | 040.40 | |
| AD District 5 Total | 55,555 | 49,860 | 501,820 | 370,830 | 181,128 | 210,43 | |
| Alaska | 38,615 | 37,565 | 16 | 48 | 49,676 | 71,90 | |
| Arizona | 378 | 142 | 38,030 | 19,919 | 4,988 | 4,84 | |
| California | 12,618 | 10,552 | 360,343 | 283,635 | 6,915 | 7,01 | |
| Hawaii | 4 | 6 | 9,526 | 6,347 | 112,254 | 124,84 | |
| Nevada | 1,099 | 1,113 | 5,475 | 3,464 | 2,001 | 1,13 | |
| Oregon | 2,057 | _ | 51,794 | 24,909 | 4,807 | 21 | |
| Washington | 785 | 482 | 36,635 | 32,508 | 488 | 483 | |

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| 5 | Railr | oad | Vessel Bu | unkering | On-Hi | ghway |
|--------------------------------|-----------------------|-------------------------|-----------------------|-----------------------|----------------------------|----------------------------|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 |
| U.S. Total | 3,245,482 | 3,656,657 | 2,078,921 | 2,216,921 | 34,308,885 | 37,103,563 |
| PAD District 1 Total | 547,030 | 576,596 | 481,186 | 501,343 | 10,373,983 | 10,900,154 |
| Subdistrict 1A Total | 18,360 | 25,055 | 60,636 | 48,868 | 1,077,477 | 1,060,291 |
| Connecticut | 5,123 | 3,745 | 2,589 | 6,198 | 228,081 | 221,316 |
| Maine | 360 | 1,133 | 9,257 | 17,242 | 167,632 | 201,804 |
| Massachusetts | 12,757 | 19,939 | 38,573 | 16,973 | 398,217 | 409,242 |
| New Hampshire | 98 | 210 | 363 | 3,226 | 164,623 | 101,598 |
| Rhode Island | _ | _ | 9,002 | 4,591 | 54,785 | 59,616 |
| Vermont | 23 | 29 | 853 | 638 | 64,139 | 66,715 |
| Subdistrict 1B Total Delaware | 160,288 896 | 211,960 1,273 | 131,213 634 | 127,608 721 | 3,785,263 62,154 | 4,038,926 63,366 |
| District of Columbia | 4,680 | 9,608 | 286 | 4 | 27,049 | 25,579 |
| Maryland | 1,337 | 18,676 | 12,020 | 12,164 | 501,802 | 509,305 |
| New Jersey | 31,802 | 20.940 | 85,235 | 83,337 | 833,183 | 867,588 |
| New York | 20,300 | 89,239 | 9,567 | 10,408 | 988,428 | 1,258,604 |
| Pennsylvania | 101,273 | 72,224 | 23,471 | 20,974 | 1,372,647 | 1,314,484 |
| Subdistrict 1C Total | 368,382 | 339,581 | 289,337 | 324,866 | 5,511,243 | 5,800,937 |
| Florida | 78,074 | 90,854 | 153,315 | 158,234 | 1,344,310 | 1,425,356 |
| Georgia | 122,300 | 112,304 | 23,841 | 17,843 | 1,313,424 | 1,425,552 |
| North Carolina | 88,461 | 66,265 | 10,739 | 3,802 | 976,151 | 1,034,884 |
| South Carolina | 12,646 | 5,872 | 21,123 | 39,892 | 634,567 | 629,129 |
| Virginia | 56,308 | 53,887 | 30,150 | 31,101 | 973,906 | 1,015,930 |
| West Virginia | 10,593 | 10,398 | 50,167 | 73,993 | 268,885 | 270,086 |
| PAD District 2 Total | 1,227,782 | 1,406,333 | 313,245 | 454,799 | 11,548,458 | 11,804,120 |
| Illinois | 117,340 | 225,961 | 51,965 | 60,365 | 1,137,642 | 1,402,713 |
| Indiana | 88,502 22,255 | 105,881 41,913 | 9,400 3,574 | 8,665 7,003 | 1,354,201 | 1,474,547 509,625 |
| lowa Kansas | 72,082 | 85,755 | 1,428 | 7,003 | 504,461 405,689 | 403,967 |
| Kentucky | 101,007 | 99,327 | 62,655 | 85,727 | 991,256 | 712,342 |
| Michigan | 26,776 | 15,465 | 5,515 | 9,453 | 939,587 | 977,042 |
| Minnesota | 58,524 | 61,095 | 4,181 | 3,917 | 649,613 | 642,015 |
| Missouri | 22,439 | 54,960 | 33,602 | 95,010 | 946,940 | 968,144 |
| Nebraska | 2,781 | 42,528 | · – | , <u> </u> | 373,857 | 377,378 |
| North Dakota | 51,746 | 51,041 | _ | _ | 152,301 | 158,901 |
| Ohio | 185,793 | 206,449 | 5,690 | 8,440 | 1,498,239 | 1,512,124 |
| Oklahoma | 342,948 | 295,345 | 190 | 7 | 819,929 | 855,483 |
| South Dakota | 4,792 | 4,547 | | | 191,656 | 169,583 |
| Tennessee | 90,602 | 78,685 | 125,340 | 174,700 | 903,682 | 967,596 |
| Wisconsin | 40,196 | 37,379 | 9,704 | 1,513 | 679,405 | 672,660 |
| PAD District 3 Total | 762,793 | 963,668 | 943,474 | 886,124 | 5,945,268 | 5,991,419 |
| Alabama | 53,202 | 51,997 | 65,786 | 71,712 | 667,844 | 706,097 |
| Arkansas | 114,146 46,931 | 118,065 52,802 | 804 546.297 | 9,133 470,422 | 610,663 615,227 | 589,387 673,766 |
| Louisiana Mississippi | 16,913 | 40,828 | 61,545 | 72,120 | 538,079 | 591,531 |
| New Mexico | 8,982 | 15,447 | 01,545 | 72,120 | 419,853 | 439.259 |
| Texas | 522,619 | 684,530 | 269,043 | 262,737 | 3,093,602 | 2,991,379 |
| PAD District 4 Total | 243,345 | 243,428 | 23 | 519 | 1,632,707 | 1,730,771 |
| Colorado | 38,399 | 58,654 | 11 | 517 | 544,627 | 577,265 |
| Idaho | 24,390 | 21,071 | 12 | 2 | 223,184 | 228,873 |
| Montana | 58,404 | 25,241 | _ | _ | 201,566 | 193,427 |
| Utah | 31,095 | 36,293 | _ | _ | 353,215 | 350,491 |
| Wyoming | 91,057 | 102,167 | - | _ | 310,115 | 380,715 |
| PAD District 5 Total | 464,532 | 466,633 | 340,993 | 374,137 | 4,808,469 | 6,677,099 |
| Alaska | 5,831 | 6,277 | 102,192 | 104,913 | 108,777 | 89,126 |
| Arizona | 15,353 | 17,106 | - | - | 642,850 | 730,271 |
| California | 296,168 | 270,892 | 68,957 | 61,933 | 2,703,680 | 4,478,284 |
| Hawaii | 0.101 | E 240 | 92,960 | 133,725 | 38,122 | 36,631 |
| Nevada Oregon | 9,101 76.495 | 5,348 77 503 | 3 15,836 | 10 12,988 | 286,639 458,057 | 301,013 448 164 |
| | 76,495 61 584 | 77,503 89 508 | | , | 458,057 570 344 | 448,164 593 610 |
| Washington | 61,584 | 89,508 | 61,045 | 60,568 | 570,344 | 593,610 |

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| | Milit | ary | Off-Hi | ghway | Total | | |
|------------------------|----------------|------------------|------------------|------------------|------------------------|------------------------|--|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 | |
| U.S. Total | 357,359 | 415,702 | 2,357,872 | 2,591,833 | 59,342,633 | 63,854,776 | |
| PAD District 1 Total | 67,941 | 107,082 | 697,516 | 865,681 | 21,521,241 | 23,538,922 | |
| Subdistrict 1A Total | 10,033 | 8,695 | 68,559 | 124,063 | 4,104,730 | 4,652,572 | |
| Connecticut | 848 | 1,270 | 12,556 | 15,810 | 964,950 | 1,151,186 | |
| Maine | 5,418 | 3,844 | 10,655 | 26,908 | 627,439 | 838,300 | |
| Massachusetts | 1,062 | 1,183 | 25,659 | 58,364 | 1,615,132 | 1,695,707 | |
| New Hampshire | 2,099 | 2,000 | 14,427 | 14,798 | 442,812 | 449,367 | |
| Rhode Island | 32 | 20 | 2,218 | 3,165 | 245,119 | 285,141 | |
| Vermont | 575 | 377 | 3,044 | 5,018 | 209,279 | 232,870 | |
| Subdistrict 1B Total | 22,447 | 41,947 | 212,210 | 219,203 | 8,935,591 | 9,779,996 | |
| Delaware | 394 | 127 | 3,333 | 3,709 | 152,445 | 155,512 | |
| District of Columbia | 2,268 | 2,808 | 2,801 | 3,943 | 84,500 | 82,819 | |
| Maryland | 7,721 | 10,132 | 34,626 | 42,205 | 921,074 | 965,300 | |
| New Jersey New York | 1,826 2,961 | 17,955 2,481 | 57,178 34,671 | 43,900 38,837 | 1,558,504 3,227,057 | 1,706,442 3,890,033 | |
| Pennsylvania | 7,278 | 8,444 | 79,601 | 86,609 | 2,992,012 | 2,979,890 | |
| Subdistrict 1C Total | 35,461 | 56,440 | 416,748 | 522,415 | 8,480,919 | 9,106,354 | |
| Florida | 5,787 | 4,348 | 118,363 | 191,008 | 2,129,145 | 2,350,133 | |
| Georgia | 3.466 | 5,180 | 90,890 | 99,232 | 1,803,296 | 1.905.615 | |
| North Carolina | 7,263 | 13,425 | 52,463 | 51,528 | 1,468,723 | 1,546,560 | |
| South Carolina | 2,120 | 2,288 | 63,815 | 54,968 | 831,650 | 846,499 | |
| Virginia | 16,573 | 31,005 | 75,415 | 105,969 | 1,601,735 | 1,889,413 | |
| West Virginia | 252 | 195 | 15,801 | 19,710 | 646,371 | 568,134 | |
| PAD District 2 Total | 9,938 | 12,278 | 625,502 | 758,112 | 17,494,005 | 18,093,679 | |
| Illinois | 482 | 456 | 95,439 | 86,751 | 1,717,970 | 2,082,448 | |
| Indiana | 55 | 581 | 40,565 | 48,293 | 1,822,384 | 2,014,989 | |
| lowa | 2,215 | 360 | 27,076 | 22,592 | 848,303 | 816,948 | |
| Kansas | 190 | 895 | 19,340 | 19,608 | 706,659 | 740,866 | |
| Kentucky | 1,090 | 728 | 43,848 | 54,283 | 1,456,839 | 1,151,355 | |
| Michigan | 720 | 814 | 45,223 | 67,658 | 1,253,403 | 1,311,626 | |
| Minnesota | 246 1,354 | 646 3,039 | 56,518 | 76,583 | 1,065,885 | 1,097,195 | |
| Missouri Nebraska | 1,354 7 | 3,039 65 | 80,500 9,618 | 83,901 17,714 | 1,266,611 600,865 | 1,384,564 665,407 | |
| North Dakota | 395 | 912 | 11,718 | 7,141 | 353,146 | 367,938 | |
| Ohio | 1,674 | 906 | 56,137 | 94,269 | 2,188,616 | 2,286,761 | |
| Oklahoma | - | 1,458 | 32,823 | 50,136 | 1,338,042 | 1,324,228 | |
| South Dakota | 156 | 224 | 10,957 | 8,692 | 293,314 | 271,023 | |
| Tennessee | 155 | 120 | 36,880 | 54,507 | 1,283,365 | 1,436,472 | |
| Wisconsin | 1,200 | 1,075 | 58,863 | 65,985 | 1,298,602 | 1,141,860 | |
| PAD District 3 Total | 84,351 | 110,147 | 461,273 | 499,015 | 9,978,484 | 10,231,392 | |
| Alabama | 1,948 | 9,268 | 62,343 | 135,133 | 968,910 | 1,206,098 | |
| Arkansas | 601 | 474 | 47,707 | 33,630 | 938,985 | 987,678 | |
| Louisiana | 1,387 | 649 | 66,575 | 81,282 | 1,784,857 | 1,456,002 | |
| Mississippi | 7,089 | 4,622 | 44,965 | 66,225 | 787,383 | 875,523 | |
| New Mexico | 37 | 601 | 17,251 | 11,290 | 535,928 | 579,469 | |
| Texas | 73,288 | 94,533 | 222,432 | 171,454 | 4,962,421 | 5,126,621 | |
| PAD District 4 Total | 5,856 | 5,932 | 154,107 | 132,505 | 2,577,094 | 2,668,716 | |
| Colorado | 396 | 1,342 | 62,329 | 45,171 | 751,798 | 786,543 | |
| Idaho | 4,168 | 4,362 | 23,377 | 22,415 | 384,189 | 374,198 | |
| Montana | 10 | 45 | 17,053 | 16,283 | 350,767 | 346,428 | |
| Utah | 1,279 | 183 | 26,492 | 35,071 | 493,736 | 523,852 | |
| Wyoming | 2 | _ | 24,855 | 13,565 | 596,605 | 637,695 | |
| PAD District 5 Total | 189,274 | 180,263 | 419,474 | 336,521 | 7,771,809 | 9,322,066 | |
| Alaska | 7,625 | 11,611 | 13,349 | 12,215 | 492,975 | 482,934 | |
| Arizona | 12 | 687 | 49,816 | 55,059 | 861,550 | 906,477 | |
| California | 57,735 | 47,011 54,170 | 207,088 | 121,741 | 3,866,990 | 5,413,476 | |
| Hawaii Nevada | 12,731 | 54,170 776 | 7,834 | 7,798 24.761 | 289,323 | 380,628 | |
| INEVALIA | 580 | 776 | 28,240 | 24,761 | 418,256 | 399,613 | |
| Oregon | 2,597 | 1,735 | 37,936 | 41,863 | 771,490 | 689,235 | |

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 2002-2003. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 5. Sales of Residual Fuel Oil by Energy Use, 2002 and 2003

| | Comme | rcial | Indus | strial | Oil Com | npany | Electric | Electric Power | |
|----------------------|------------------|----------------------|-----------|-----------|----------------------|--------|-----------|----------------|--|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 | |
| U.S. Total | 572,039 | 755,956 | 1,250,634 | 1,414,052 | 108,673 | 84,100 | 3,575,249 | 5,273,089 | |
| PAD District 1 Total | 532,346 | 706,251 | 857.039 | 977,763 | 61,152 | 52,566 | 2.996.269 | 4.453.268 | |
| Subdistrict 1A Total | 88,501 | 150,209 | 319,056 | 224,662 | 1,172 | 691 | 277,957 | 1,013,906 | |
| Connecticut | 14,465 | 30,139 | 15,056 | 32,205 | 339 | 236 | 85,652 | 67,644 | |
| Maine | 17,855 | 13,632 | 186,917 | 115,705 | 404 | 38 | 39,914 | 107,423 | |
| Massachusetts | 28.946 | 77,455 | 77,637 | 41,435 | 429 | _ | 106,304 | 690,853 | |
| New Hampshire | 5,558 | 6,558 | 22,239 | 16,436 | - | _ | 46,052 | 147,848 | |
| Rhode Island | 16,235 | 15,954 | 11,243 | 12,861 | _ | 417 | 34 | 139 | |
| Vermont | 5,442 | 6,470 | 5,963 | 6,021 | _ | | _ | - | |
| Subdistrict 1B Total | 433,113 | 527,840 | 145,183 | 181,283 | 59,483 | 51,432 | 683,071 | 1,261,743 | |
| Delaware | 9,648 | 11,640 | 22,164 | 16,060 | 30,073 | 11,628 | 33,212 | 73,067 | |
| Maryland | 2,849 | 11,970 | 18,006 | 24,705 | 591 | 651 | 89,029 | 63,457 | |
| New Jersey | 12,574 | 18,887 | 11,317 | 19,830 | 1,831 | 1,796 | 86,559 | 131,114 | |
| New York | 391,092 | 461,239 | 60,767 | 67,043 | 620 | 695 | 379,756 | 808,354 | |
| Pennsylvania | 16,950 | 24,104 | 32,929 | 53,645 | 26,368 | 36,662 | 94,514 | 185,751 | |
| Subdistrict 1C Total | 10,930 10,733 | 28,201 | 392,800 | 571,818 | 20,300 498 | 443 | 2,035,241 | , | |
| | 3,199 | 20,201 714 | • | | 490 | 443 | | 2,177,619 | |
| Florida | 3,199 | | 69,400 | 79,550 | _ | _ | 1,812,239 | 1,839,037 | |
| Georgia | | 464 | 81,668 | 98,249 | | | 3,690 | 3,697 | |
| North Carolina | 3,356 | 8,907 | 139,573 | 167,292 | 111 | 107 | _ | _ | |
| South Carolina | 848 | 773 | 66,418 | 135,356 | 132 | 113 | - | - | |
| Virginia | 3,330 | 17,343 | 30,650 | 89,236 | 254 | 224 | 219,312 | 334,885 | |
| West Virginia | _ | _ | 5,090 | 2,135 | _ | _ | _ | _ | |
| PAD District 2 Total | 35,593 | 44,225 | 159,458 | 192,464 | 14,809 | 11,573 | 69,638 | 159,147 | |
| Illinois | 580 | 298 | 3,908 | 5,647 | _ | _ | 2,298 | 43,287 | |
| Indiana | 30 | 2,711 | 7,724 | 13,349 | _ | _ | _ | _ | |
| lowa | 93 | · – | 2,643 | 6,399 | _ | _ | _ | _ | |
| Kansas | 390 | _ | 7,762 | 26,695 | _ | _ | 27,597 | 60,129 | |
| Kentucky | _ | _ | 1,135 | 2,497 | 3,024 | 2,638 | _ | _ | |
| Michigan | 2,888 | 3,862 | 12,635 | 27,203 | 2,829 | 3,286 | 36,342 | 47,627 | |
| Minnesota | 8,809 | 14,615 | 19,704 | 23,552 | 4,180 | 2,523 | 2,251 | 3,648 | |
| Missouri | 1,350 | 937 | 3,189 | 3,573 | , - | - | 73 | _ | |
| Nebraska | , <u> </u> | 615 | 5,559 | 5,410 | _ | _ | _ | _ | |
| North Dakota | 4,251 | 4,284 | 170 | 1,829 | _ | _ | _ | _ | |
| Ohio | 198 | 91 | 34,078 | 20,666 | 4,253 | 2,941 | 1,077 | 2,396 | |
| Oklahoma | 458 | _ | 19,715 | 20,436 | 522 | _,,,,, | | 2,060 | |
| South Dakota | 14 | _ | 4,662 | 1,830 | _ | 130 | _ | _,000 | |
| Tennessee | | _ | 5,973 | 10,562 | _ | - | _ | _ | |
| Wisconsin | 16,531 | 16,812 | 30,600 | 22,817 | _ | 55 | _ | _ | |
| | | | | | | | | | |
| PAD District 3 Total | 1,055 | 3,146 | 192,493 | 215,671 | 382 | 8 | 42,318 | 230,858 | |
| Alabama | _ | _ | 84,306 | 11,718 | _ | _ | - | - | |
| Arkansas | _ | - | 2,090 | 8,039 | _ | _ | 2,637 | 11,825 | |
| Louisiana | 13 | 3,048 | 59,248 | 122,070 | _ | _ | 39,184 | 85,900 | |
| Mississippi | _ | 98 | 5,441 | 6,922 | _ | 8 | 497 | 113,126 | |
| New Mexico | _ | _ | 5,896 | 6,699 | _ | _ | _ | _ | |
| Texas | 1,042 | _ | 35,512 | 60,223 | 382 | _ | _ | 20,007 | |
| PAD District 4 Total | _ | 23 | 10,461 | 8,572 | 5,405 | 2,523 | _ | 210 | |
| Idaho | _ | _ | 3,608 | 17 | _ | _ | _ | _ | |
| Montana | _ | 23 | 51 | _ | 1,716 | 242 | _ | _ | |
| Utah | _ | _ | 397 | 2,906 | 3,312 | 1,839 | _ | 210 | |
| Wyoming | _ | _ | 6,405 | 5,649 | 377 | 441 | _ | - | |
| PAD District 5 Total | 3,044 | 2,312 | 31,184 | 19,582 | 26,925 | 17,429 | 467,024 | 429,607 | |
| Alaska | - | · – | · – | _ | · – | - | · – | . – | |
| Arizona | _ | _ | 1,313 | - | - | _ | _ | | |
| California | _ | _ | 2,177 | 1,536 | 5,832 | 714 | 624 | 134 | |
| Hawaii | 3 | _ | 281 | 62 | 19,823 | 15,495 | 463,233 | 428,696 | |
| Nevada | | | 292 | | - | 36 | 2,588 | | |
| Oregon | 2,887 | 2,262 | 20,116 | 15,019 | 1,252 | 618 | 578 | 680 | |
| Washington | 154 | 49 | 7,005 | 2,965 | 17 | 565 | _ | 96 | |

Table 5. Sales of Residual Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| | Vessel Bu | ınkering | Milit | ary | All Ot | her | То | tal |
|----------------------|-----------|-----------|-------|------------|--------|-------|------------|------------|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 |
| U.S. Total | 4,847,704 | 3,873,849 | 3,882 | 10,249 | 3,435 | 1,538 | 10,361,615 | 11,412,833 |
| PAD District 1 Total | 1,735,512 | 1,294,069 | 1,175 | 4,095 | 2,489 | 1,174 | 6,185,982 | 7,489,187 |
| Subdistrict 1A Total | 51,445 | 521 | 254 | ´ - | 264 | 250 | 738,649 | 1,390,239 |
| Connecticut | ´ – | 93 | 49 | _ | 264 | 250 | 115,825 | 130,567 |
| Maine | 37,476 | 107 | 8 | _ | _ | _ | 282,574 | 236,906 |
| Massachusetts | 13,969 | 320 | 197 | _ | _ | _ | 227,484 | 810,063 |
| New Hampshire | _ | _ | _ | _ | _ | _ | 73,849 | 170,842 |
| Rhode Island | _ | _ | _ | _ | _ | _ | 27,512 | 29,371 |
| Vermont | _ | _ | _ | _ | _ | _ | 11,405 | 12,491 |
| Subdistrict 1B Total | 1,036,387 | 892,057 | 396 | 1,122 | - | _ | 2,357,633 | 2,915,477 |
| Delaware | 52,593 | 42,545 | _ | _ | _ | _ | 147,690 | 154,939 |
| Maryland | 31,279 | 17,293 | _ | _ | _ | _ | 141,755 | 118,077 |
| New Jersey | 650,531 | 510,405 | 238 | 341 | - | _ | 763,051 | 682,372 |
| New York | 172,427 | 196,041 | _ | _ | _ | _ | 1,004,662 | 1,533,372 |
| Pennsylvania | 129,557 | 125,773 | 157 | 782 | _ | _ | 300,475 | 426,716 |
| Subdistrict 1C Total | 647,680 | 401,492 | 524 | 2,973 | 2,225 | 924 | 3,089,701 | 3,183,471 |
| Florida | 470,387 | 193,523 | _ | _ | 2,225 | 924 | 2,357,450 | 2,113,749 |
| Georgia | 80,874 | 85,164 | _ | _ | _ | _ | 166,232 | 187,574 |
| North Carolina | 35,958 | 33,431 | _ | _ | _ | _ | 178,998 | 209,736 |
| South Carolina | 23,241 | 25,387 | _ | _ | _ | _ | 90,640 | 161,629 |
| Virginia | 37,220 | 63,987 | 524 | 2,973 | _ | _ | 291,290 | 508,648 |
| West Virginia | _ | _ | _ | _ | _ | _ | 5,090 | 2,135 |
| PAD District 2 Total | 31,419 | 17,064 | 2,707 | 4,968 | 167 | 46 | 313,792 | 429,487 |
| Illinois | 965 | 477 | 2,378 | 4,642 | 11 | _ | 10,139 | 54,351 |
| Indiana | 11,078 | 3,290 | | _ | _ | _ | 18,832 | 19,351 |
| lowa | _ | _ | _ | _ | 58 | 2 | 2,794 | 6,401 |
| Kansas | _ | _ | 329 | 326 | 9 | _ | 36,089 | 87,149 |
| Kentucky | 70 | 134 | _ | _ | _ | _ | 4,230 | 5,269 |
| Michigan | 2,130 | 8,454 | _ | _ | 28 | _ | 56,854 | 90,432 |
| Minnesota | 11,788 | 3,003 | _ | _ | 3 | _ | 46,736 | 47,341 |
| Missouri | 459 | 548 | _ | _ | _ | _ | 5,071 | 5,058 |
| Nebraska | _ | _ | _ | _ | 12 | 15 | 5,571 | 6,041 |
| North Dakota | _ | _ | _ | _ | _ | _ | 4,422 | 6,113 |
| Ohio | 4,617 | 700 | _ | _ | 46 | 29 | 44,269 | 26,824 |
| Oklahoma | _ | _ | _ | _ | _ | _ | 20,696 | 22,496 |
| South Dakota | _ | _ | - | _ | _ | _ | 4,676 | 1,960 |
| Tennessee | 126 | 351 | - | _ | _ | _ | 6,099 | 10,913 |
| Wisconsin | 185 | 106 | _ | _ | _ | _ | 47,316 | 39,790 |
| PAD District 3 Total | 1,344,372 | 1,203,982 | _ | _ | 25 | 300 | 1,580,644 | 1,653,966 |
| Alabama | 95,474 | 43,215 | _ | _ | _ | _ | 179,779 | 54,933 |
| Arkansas | _ | _ | _ | _ | _ | _ | 4,727 | 19,865 |
| Louisiana | 468,698 | 413,578 | _ | _ | _ | 6 | 567,143 | 624,602 |
| Mississippi | 55,179 | 35,115 | - | _ | _ | 278 | 61,117 | 155,547 |
| New Mexico | _ | _ | _ | _ | 25 | 16 | 5,920 | 6,714 |
| Texas | 725,022 | 712,074 | _ | _ | _ | _ | 761,958 | 792,305 |
| PAD District 4 Total | _ | _ | _ | _ | 19 | 18 | 15,885 | 11,345 |
| Idaho | _ | _ | _ | _ | _ | _ | 3,608 | 17 |
| Montana | _ | _ | _ | _ | _ | _ | 1,767 | 265 |
| Utah | _ | _ | _ | _ | _ | _ | 3,709 | 4,955 |
| Wyoming | _ | - | - | _ | 19 | 18 | 6,801 | 6,108 |
| PAD District 5 Total | 1,736,400 | 1,358,734 | _ | 1,185 | 735 | _ | 2,265,312 | 1,828,848 |
| Alaska | 2,279 | 535 | _ | ´ - | _ | _ | 2,279 | 535 |
| Arizona | , - | _ | _ | _ | _ | _ | 1,313 | _ |
| California | 1,376,071 | 997,869 | _ | 1,184 | 735 | _ | 1,385,438 | 1,001,438 |
| Hawaii | 64,765 | 39,081 | _ | · – | _ | _ | 548,105 | 483,334 |
| Nevada | , | _ | _ | _ | _ | _ | 2,881 | 36 |
| Oregon | 54,972 | 65,175 | _ | _ | _ | _ | 79,805 | 83,754 |
| Washington | 238,314 | 256,074 | _ | 1 | _ | _ | 245,491 | 259,751 |

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 2002-2003.

Table 6. Sales of Kerosene by Energy Use, 2002 and 2003

| | Reside | ential | Comm | ercial | Industrial | | |
|----------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|------------|--|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 | |
| U.S. Total | 443,919 | 520,799 | 118,125 | 138,049 | 77,508 | 164,386 | |
| PAD District 1 Total | 365,321 | 433,208 | 94,565 | 108,402 | 33,189 | 77,285 | |
| Subdistrict 1A Total | 71,521 | 111,030 | 17,163 | 17,916 | 1,782 | 12,515 | |
| Connecticut | 3,870 | 11,336 | 5,546 | 5,241 | 312 | 8,755 | |
| Maine | 42,072 | 58,456 | 4,721 | 6,751 | 452 | 305 | |
| Massachusetts | 5,342 | 10,235 | 2,459 | 3,008 | 244 | 356 | |
| New Hampshire | 10,992 | 17,450 | 1,458 | 1,806 | 300 | 540 | |
| Rhode Island | 1,421 | 1,952 | 2,308 | 216 | 5 | 4 | |
| Vermont | 7,824 | 11,602 | 670 | 894 | 470 | 2,555 | |
| Subdistrict 1B Total | 173,882 | 162,343 | 63,384 | 63,389 | 24,709 | 57,561 | |
| Delaware | 2,749 | 3,675 | 187 | 313 | 11 | 11 | |
| District of Columbia | _ | 1 | 12 | 23 | _ | _ | |
| Maryland | 12,803 | 16,978 | 7,194 | 8,207 | 1,677 | 748 | |
| New Jersey | 5,986 | 5,806 | 18,983 | 10,362 | 12,000 | 18,444 | |
| New York | 68,977 | 68,826 | 20,717 | 27,923 | 8,503 | 35,947 | |
| Pennsylvania | 83,366 | 67,057 | 16,290 | 16,561 | 2,519 | 2,412 | |
| Subdistrict 1C Total | 119,918 | 159,835 | 14,018 | 27,096 | 6,698 | 7,210 | |
| Florida | 2,665 | 4,055 | 655 | 802 | 38 | 272 | |
| Georgia | 3,394 | 2,791 | 1,974 | 1,999 | 493 | 1,837 | |
| North Carolina | 51,351 | 75,027 | 3,978 | 11,310 | 2,416 | 265 | |
| South Carolina | 12,221 | 15,817 | 1,022 | 920 | 2,458 | 3,039 | |
| Virginia | 39,275 | 52,954 | 3,688 | 8,190 | 1,047 | 1,380 | |
| West Virginia | 11,012 | 9,191 | 2,701 | 3,874 | 245 | 417 | |
| PAD District 2 Total | 58,983 | 64,271 | 14,436 | 19,624 | 9,205 | 11,720 | |
| Illinois | 5,981 | 4,449 | 1,560 | 1,536 | 1,530 | 1,909 | |
| Indiana | 11,916 | 8,660 | 1,299 | 1,372 | 805 | 948 | |
| lowa | 932 | 827 | 268 | 170 | 117 | 25 | |
| Kansas | 402 | 460 | 229 | 207 | 106 | 41 | |
| Kentucky | 7,118 | 7,658 | 1,342 | 1,641 | 1,256 | 1,138 | |
| Michigan | 6,740 | 11,096 | 1,189 | 796 | 553 | 683 | |
| Minnesota | 682 | 763 | 915 | 603 | 42 | 120 | |
| Missouri | 2,137 | 3,021 | 775 | 889 | 192 | 180 | |
| Nebraska | 127 | 183 | 86 | 146 | 3 | 45 | |
| North Dakota | 87 | 115 | 53 | 43 | 2 | 36 | |
| Ohio | 13,808 | 15,504 | 3,892 | 8,532 | 3,243 | 4,669 | |
| Oklahoma | 641 | 596 | 208 | 203 | 373 | 278 | |
| South Dakota | 115 | 95 | 82 | 87 | 6 | 5 | |
| Tennessee Wisconsin | 7,046 1,250 | 9,693 1,152 | 1,977 560 | 2,268 1,132 | 840 139 | 967 679 | |
| PAD District 3 Total | 3,508 | 4 557 | 4 279 | 4.064 | 22 644 | 73.410 | |
| | 3,30 6 917 | 4,557 2,077 | 4,278 690 | 4,964 1,021 | 33,641 181 | 1,257 | |
| Alabama Arkansas | 820 | 682 | 172 | 136 | 45 | 1,237 | |
| Louisiana | 551 | 398 | 308 | 262 | 30,111 | 63,213 | |
| Mississippi | 385 | 479 | 338 | 1,846 | 738 | 836 | |
| New Mexico | 108 | 154 | 355 | 238 | 64 | 52 | |
| Texas | 728 | 768 | 2,416 | 1,461 | 2,501 | 8,034 | |
| PAD District 4 Total | 653 | 1,944 | 665 | 779 | 263 | 248 | |
| Colorado | 377 | 1,482 | 401 | 434 | 60 | 55 | |
| Idaho | 111 | 156 | 56 | 31 | 2 | 2 | |
| Montana | 21 | 164 | 33 | 103 | 3 | 64 | |
| Utah | 97 | 94 | 148 | 196 | 192 | 121 | |
| Wyoming | 46 | 48 | 26 | 16 | 5 | 7 | |
| PAD District 5 Total | 15,455 | 16,819 | 4,182 | 4,280 | 1,210 | 1,722 | |
| Alaska | [*] 1 | 632 | 9 | 14 | . – | 1 | |
| Arizona | 24 | 99 | 71 | 51 | 23 | 36 | |
| California | 9,087 | 8,217 | 1,147 | 1,987 | 308 | 1,062 | |
| Hawaii | _ | _ | 1 | 2 | 3 | 4 | |
| Nevada | 289 | 473 | 30 | 65 | 6 | 7 | |
| Oregon | 4,602 | 3,173 | 1,952 | 953 | 759 | 486 | |
| Washington | 1,451 | 4,224 | 972 | 1,208 | 110 | 126 | |

Table 6. Sales of Kerosene by Energy Use, 2002 and 2003 (Continued)

| Bastination | Farr | n | All Ot | her | Tota | ıl |
|-----------------------------------|---------------|---------------------|------------|------------|-------------------------|-------------------|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 |
| U.S. Total | 19,390 | 11,674 | 5,372 | 2,572 | 664,314 | 837,480 |
| PAD District 1 Total | 4,026 | 4,079 | 3,362 | 1,842 | 500,462 | 624,816 |
| Subdistrict 1A Total | 617 | 1,122 | 503 | 852 | 91,585 | 143,435 |
| Connecticut | 5 | 7 | 155 | 605 | 9,887 | 25,943 |
| Maine | 264 | 484 | 23 | 18 | 47,531 | 66,014 |
| Massachusetts | 9 | 12 | 135 | 7 | 8,188 | 13,618 |
| New Hampshire | 206 | 281 | 129 | 126 | 13,085 | 20,204 |
| Rhode Island | | | 19 | 5 | 3,753 | 2,177 |
| Vermont | 133 | 338 | 42 | 90 | 9,141 | 15,479 |
| Subdistrict 1B Total | 1,822 | 1,945 | 1,523 | 774 | 265,320 | 286,012 |
| Delaware | 20 | 133 | _ | _ | 2,968 | 4,132 |
| District of Columbia | - | - 004 | - | _ | 12 | 24 |
| Maryland | 194 | 281 | 17 | 59 | 21,885 | 26,273 |
| New York | 2 670 | 14 1,118 | 26 | 1 338 | 36,997 | 34,627 |
| New York | 937 | 400 | 831 649 | 376 | 99,698 | 134,153 86,805 |
| Pennsylvania Subdistrict 1C Total | 1, 587 | 1, 012 | 1,335 | 216 | 103,761 | 195,369 |
| Florida | 6 | 1, 012 29 | 23 | 116 | 143,557 3,387 | 5,274 |
| Georgia | 336 | 9 | 6 | 14 | 6,205 | 6,650 |
| North Carolina | 227 | 222 | 487 | 1 | 58,459 | 86,825 |
| South Carolina | 472 | 70 | 431 | 15 | 16,604 | 19,862 |
| Virginia | 518 | 648 | 384 | 59 | 44,911 | 63,231 |
| West Virginia | 29 | 33 | 4 | 10 | 13,991 | 13.526 |
| vvost viigina | 25 | 30 | 7 | 10 | 10,001 | 10,020 |
| PAD District 2 Total | 13,238 | 5,535 | 1,010 | 370 | 96,872 | 101,521 |
| Illinois | 316 | 426 | 203 | 9 | 9,591 | 8,329 |
| Indiana | 6,354 | 555 | 64 | 39 | 20,437 | 11,574 |
| lowa | 862 | 504 | 29 | 12 | 2,208 | 1,538 |
| Kansas | 425 | 114 | 133 | _ | 1,295 | 823 |
| Kentucky | 473 | 272 | 65 | 64 | 10,254 | 10,773 |
| Michigan | 234 | 207 | 22 | 4 | 8,739 | 12,786 |
| Minnesota | 192 | 361 | 86 | 48 | 1,917 | 1,894 |
| Missouri | 86 | 155 | 17 | 17 | 3,207 | 4,261 |
| Nebraska | 86 | 199 | 3 | 89 | 305 | 661 |
| North Dakota | 23 | 29 | 6 | - | 170 | 224 |
| Ohio | 3,083 | 1,721 | 44 | 47 | 24,071 | 30,473 |
| Oklahoma | 82 | 121 | 7 | _ | 1,311 | 1,198 |
| South Dakota | 53 | 86 | 1 | _ | 257 | 273 |
| Tennessee Wisconsin | 71 896 | 426 359 | 62 270 | 39 | 9,995 3,114 | 13,393 3,322 |
| WISCOTISTIT | 090 | 339 | 270 | _ | 3,114 | 3,322 |
| PAD District 3 Total | 612 | 522 | 349 | 18 | 42,388 | 83,470 |
| Alabama | 8 | 13 | _ | 1 | 1,796 | 4,368 |
| Arkansas | 154 | 65 | 15 | _ | 1,206 | 900 |
| Louisiana | 6 | 48 | 1 | _ | 30,977 | 63,921 |
| Mississippi | 16 | 176 | _ | _ | 1,477 | 3,337 |
| New Mexico | 61 | 26 | 140 | 17 | 728 | 486 |
| Texas | 367 | 194 | 193 | _ | 6,205 | 10,458 |
| PAD District 4 Total | 525 | 120 | 460 | 9 | 2,565 | 3,100 |
| Colorado | 108 | 65 | 273 | 4 | 1,220 | 2,040 |
| Idaho | 17 | 19 | 5 | 1 | 192 | 208 |
| Montana | 380 | - | _ | · <u>-</u> | 437 | 331 |
| Utah | 20 | 33 | 8 | 4 | 465 | 448 |
| Wyoming | 1 | 3 | 173 | _ | 251 | 74 |
| PAD District 5 Total | 989 | 1,418 | 192 | 334 | 22,027 | 24,573 |
| Alaska | 909 | - 1,410 | 192 | - | 11 | 24,573 648 |
| Arizona | 1 | 1 | 1 | _ | 119 | 187 |
| California | 285 | 351 | 28 | 306 | 10,855 | 11,923 |
| Hawaii | _ | _ | _ | _ | 5 | 7 |
| Nevada | 1 | 3 | _ | _ | 326 | 548 |
| Oregon | 475 | 682 | 63 | 16 | 7,851 | 5,310 |
| Washington | 227 | 380 | 100 | 13 | 2,861 | 5,951 |

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 2002-2003 and "Petroleum Supply Annual," Volume 1, 2002-2003, (DOE/EIA-0340(02)/1 - (03)/1).

Table 7. Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2003 (Thousand Gallons)

| Bastin et au | | Distillate Fuel Oil | | W |
|----------------------|---------|---------------------|-----------|----------|
| Destination | No. 1 | No. 2 | Total | Kerosene |
| J.S. Total | 110,032 | 6,817,038 | 6,927,070 | 520,799 |
| PAD District 1 Total | 4,232 | 6,079,809 | 6,084,041 | 433,208 |
| Subdistrict 1A Total | 2,085 | 2,464,649 | 2,466,734 | 111,030 |
| Connecticut | 2,000 | 682,429 | 682,429 | 11,336 |
| Maine | 536 | 393,367 | 393,903 | 58,456 |
| | | • | | , |
| Massachusetts | 678 | 900,480 | 901,158 | 10,235 |
| New Hampshire | 731 | 220,600 | 221,331 | 17,450 |
| Rhode Island | 46 | 165,232 | 165,278 | 1,952 |
| Vermont | 94 | 102,542 | 102,636 | 11,602 |
| Subdistrict 1B Total | 909 | 3,207,613 | 3,208,522 | 162,343 |
| Delaware | _ | 47,141 | 47,141 | 3,675 |
| District of Columbia | _ | 15,685 | 15,685 | 1 |
| Maryland | 140 | 183,596 | 183,736 | 16,978 |
| New Jersey | _ | 459,552 | 459,552 | 5,806 |
| New York | 442 | 1,509,404 | 1,509,846 | 68,826 |
| Pennsylvania | 327 | 992,234 | 992,561 | 67,057 |
| Subdistrict 1C Total | 1,238 | 407,547 | 408,785 | 159,835 |
| Florida | , - | 4,961 | 4,961 | 4,055 |
| Georgia | _ | 1,673 | 1,673 | 2,791 |
| North Carolina | _ | 132,353 | 132,353 | 75,027 |
| South Carolina | 120 | 19,153 | 19,273 | 15,817 |
| Virginia | 176 | 229.293 | 229.469 | 52,954 |
| West Virginia | 943 | 20,114 | 21,057 | 9,191 |
| PAD District 2 Total | 64,574 | 569,703 | 634,277 | 64,271 |
| Illinois | 1,451 | 9,520 | 10,971 | 4,449 |
| Indiana | 6.399 | 44,463 | 50,862 | 8,660 |
| lowa | 2.672 | 14,165 | 16,837 | 827 |
| Kansas | 167 | 632 | 799 | 460 |
| | 894 | | | |
| Kentucky | | 20,754 | 21,648 | 7,658 |
| Michigan | 7,338 | 91,496 | 98,834 | 11,096 |
| Minnesota | 20,099 | 84,386 | 104,485 | 763 |
| Missouri | 1,625 | 7,298 | 8,923 | 3,021 |
| Nebraska | 1,211 | 2,662 | 3,873 | 183 |
| North Dakota | 3,975 | 18,410 | 22,385 | 115 |
| Ohio | 4,704 | 139,925 | 144,629 | 15,504 |
| Oklahoma | 7 | 34 | 41 | 596 |
| South Dakota | 3,656 | 9,947 | 13,603 | 95 |
| Tennessee | 157 | 5,076 | 5,233 | 9,693 |
| Wisconsin | 10,219 | 120,935 | 131,154 | 1,152 |
| PAD District 3 Total | 72 | 789 | 861 | 4,557 |
| Alabama | _ | 329 | 329 | 2,077 |
| Arkansas | 54 | 106 | 160 | 682 |
| Louisiana | _ | 185 | 185 | 398 |
| Mississippi | _ | 44 | 44 | 479 |
| New Mexico | 19 | 116 | 135 | 154 |
| Texas | - | 10 | 10 | 768 |
| PAD District 4 Total | 6,530 | 20,697 | 27,227 | 1,944 |
| Colorado | 236 | 258 | 494 | 1,482 |
| Idaho | 2,995 | 10,989 | 13,984 | 156 |
| Montana | 3,056 | 5,412 | 8,468 | 164 |
| Utah | 154 | 2,856 | 3,010 | 94 |
| Wyoming | 89 | 1,182 | 1,271 | 48 |
| AD District 5 Total | 34,623 | 146,039 | 180,662 | 16,819 |
| Alaska | 28,469 | 35,259 | 63,728 | 632 |
| Arizona | 17 | 389 | 406 | 99 |
| California | 185 | 5,037 | 5,222 | 8,217 |
| Hawaii | 100 | 14 | 14 | 0,217 |
| | | | | 470 |
| Nevada | 395 | 6,968 | 7,363 | 473 |
| Oregon | 2,352 | 36,638 | 38,990 | 3,173 |
| Washington | 3,205 | 61,735 | 64,940 | 4,224 |

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. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/1).

Table 8. Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2003 (Thousand Gallons)

| | | | Di | stillate Fuel C | il | | | | |
|------------------------|---------------------|--------------------|----------------------|-----------------------|--------------------|------------------|---------------------|-------------------|------------------|
| Destination | | | No. 2 D | istillate | | | | Residual | Kerosene |
| | No. 1 Distillate | No. 2 Fuel Oil | Low Sulfur Diesel | High Sulfur Diesel | No. 2 Total | No. 4 Fuel | Total Distillate | Fuel Oil | |
| U.S. Total | 67,745 | 1,864,257 | 965,915 | 569,490 | 3,399,661 | 219,132 | 3,686,537 | 755,956 | 138,049 |
| PAD District 1 Total | 15,203 | 1,696,785 | 366,334 | 275,991 | 2,339,110 | 218,731 | 2,573,044 | 706,251 | 108,402 |
| Subdistrict 1A Total | 1,680 | 621,284 | 56,524 | 30,224 | 708,032 | 30,999 | 740,712 | 150,209 | 17,916 |
| Connecticut Maine | 1,137 20 | 125,416 140,740 | 22,453 11,936 | 1,357 10,025 | 149,226 162,702 | 5,540 981 | 155,903 163,703 | 30,139 13.632 | 5,241 6,751 |
| Massachusetts | 20 | 209,679 | 7,146 | 13,923 | 230,748 | 17.656 | 248,404 | 77,455 | 3,008 |
| New Hampshire | 60 | 75,934 | 7,068 | 938 | 83,941 | 2,934 | 86,934 | 6,558 | 1,806 |
| Rhode Island | 454 | 37,815 | 2,980 | 109 | 40,904 | 2,371 | 43,729 | 15,954 | 216 |
| Vermont | 10 | 31,699 | 4,941 | 3,872 | 40,511 | 1,517 | 42,038 | 6,470 | 894 |
| Subdistrict 1B Total | 12,759 | 971,880 | 163,816 | 65,824 | 1,201,520 | 187,085 | 1,401,364 | 527,840 | 63,389 |
| Delaware | 57 | 9,644 | 178 | 2,771 | 12,593 | 426 | 13,076 | 11,640 | 313 |
| District of Columbia | 3 | 11,417 | 2,685 | 363 | 14,465 | 2,098 | 16,566 | - | 23 |
| Maryland | 1,045 | 67,536 | 20,100 | 9,744 | 97,380 | 1,139 | 99,564 | 11,970 | 8,207 |
| New Jersey New York | 137 8,837 | 115,259 574,401 | 7,774 86,917 | 4,609 17,943 | 127,642 679,262 | 8,362 168,296 | 136,140 856,394 | 18,887 461,239 | 10,362 27,923 |
| Pennsylvania | 2,681 | 193,622 | 46,161 | 30,395 | 270,178 | 6,765 | 279,624 | 24,104 | 16,561 |
| Subdistrict 1C Total | 763 | 103,621 | 145,995 | 179,942 | 429,558 | 646 | 430,968 | 28,201 | 27,096 |
| Florida | _ | 4,593 | 63,662 | 50,375 | 118,630 | 87 | 118,717 | 714 | 802 |
| Georgia | _ | 2,565 | 21,827 | 16,358 | 40,750 | _ | 40,750 | 464 | 1,999 |
| North Carolina | 6 | 32,022 | 24,755 | 37,759 | 94,536 | 261 | 94,803 | 8,907 | 11,310 |
| South Carolina | 322 | 5,928 | 7,371 | 12,512 | 25,810 | | 26,132 | 773 | 920 |
| Virginia | 408 | 54,010 | 24,828 | 60,990 | 139,828 | 260 | 140,496 | 17,343 | 8,190 |
| West Virginia | 27 | 4,504 | 3,551 | 1,949 | 10,004 | 38 | 10,070 | _ | 3,874 |
| PAD District 2 Total | 22,866 | 133,927 | 253,876 | 155,082 | 542,886 | 377 | 566,128 | 44,225 | 19,624 |
| Illinois | 1,695 | 2,410 | 21,899 | 35,948 | 60,256 | _ | 61,951 | 298 | 1,536 |
| Indiana | 3,105 | 27,677 | 29,522 | 14,528 | 71,726 | 181 | 75,012 | 2,711 | 1,372 |
| lowa | 1,327 | 13,722 | 11,745 | 3,385 | 28,852 | - | 30,179 | _ | 170 |
| Kansas | 1,270 | 1,114 | 24,371 | 1,604 | 27,089 | _ | 28,359 | - | 207 |
| Kentucky | 11 | 1,489 | 19,549 | 13,105 | 34,143 | 120 | 34,155 | 2 962 | 1,641 |
| Michigan Minnesota | 2,446 3,376 | 14,931 18,486 | 18,992 9,540 | 14,768 1,504 | 48,691 29,530 | 130 | 51,267 32,906 | 3,862 14,615 | 796 603 |
| Missouri | 418 | 2,682 | 27,120 | 6,159 | 35,962 | _ | 36,380 | 937 | 889 |
| Nebraska | 2,953 | 2,664 | 3,021 | 449 | 6,134 | 66 | 9,153 | 615 | 146 |
| North Dakota | 350 | 2,116 | 3,831 | 1,646 | 7,592 | - | 7,942 | 4,284 | 43 |
| Ohio | 1,124 | 18,615 | 25,646 | 32,809 | 77,069 | _ | 78,193 | 91 | 8,532 |
| Oklahoma | 20 | - | 3,872 | 341 | 4,214 | - | 4,233 | _ | 203 |
| South Dakota | 977 | 2,341 | 1,772 | 571 | 4,685 | - | 5,661 | _ | 87 |
| Tennessee | 543 | 1,539 | 25,052 | 20,435 | 47,026 | _ | 47,569 | 40.040 | 2,268 |
| Wisconsin | 3,251 | 24,142 | 27,944 | 7,831 | 59,917 | _ | 63,168 | 16,812 | 1,132 |
| PAD District 3 Total | 1,170 | 1,672 | 156,160 | 89,606 | 247,438 | _ | 248,608 | 3,146 | 4,964 |
| Alabama | _ | 733 | 30,877 | 15,652 | 47,261 | _ | 47,261 | _ | 1,021 |
| Arkansas | 124 | 71 | 6,687 | 25,325 | 32,082 | - | 32,207 | _ | 136 |
| Louisiana | 895 | 207 | 6,147 | 8,132 | 14,486 | - | 15,381 | 3,048 | 262 |
| Mississippi | - | - | 13,645 | 5,625 | 19,271 | - | 19,271 | 98 | 1,846 |
| New Mexico | 151 | 286 | 14,360 | 2,558 | 17,205 | _ | 17,355 | _ | 238 |
| Texas | _ | 375 | 84,444 | 32,314 | 117,133 | _ | 117,133 | _ | 1,461 |
| PAD District 4 Total | 4,352 | 5,861 | 40,929 | 13,384 | 60,173 | _ | 64,525 | 23 | 779 |
| Colorado | 951 | 1,431 | 11,123 | 19 | 12,573 | _ | 13,524 | _ | 434 |
| Idaho | 451 | 923 | 8,892 | 2,973 | 12,789 | - | 13,240 | _ | 31 |
| Montana | 729 | 2,492 | 3,643 | 605 | 6,740 | - | 7,469 | 23 | 103 |
| Utah | 1,187 | 955 | 12,042 | 9,324 | 22,321 | _ | 23,508 | _ | 196 |
| Wyoming | 1,034 | 60 | 5,228 | 462 | 5,750 | _ | 6,784 | _ | 16 |
| PAD District 5 Total | 24,155 | 26,012 | 148,616 | 35,427 | 210,054 | 24 | 234,233 | 2,312 | 4,280 |
| Alaska | 21,493 | 10,164 | 3,557 | 5,111 | 18,833 | 23 | 40,349 | _ | 14 |
| Arizona | 43 | 369 | 20,387 | 456 | 21,211 | - | 21,254 | _ | 51 |
| California | 22 | 3,166 | 71,726 | 2,851 | 77,744 | 1 | 77,766 | _ | 1,987 |
| Hawaii | | 41 | 8,656 | 3,531 | 12,228 | _ | 12,228 | - | 2 |
| Nevada | 871 | 1,494 | 9,640 | 131 5 075 | 11,266 | _ | 12,137 | 2 262 | 65 053 |
| Oregon Washington | 262 1,463 | 5,245 5,532 | 11,428 23,221 | 5,975 17,371 | 22,648 46,124 | _ | 22,911 47,587 | 2,262 49 | 953 1,208 |
| vvasiiiigion | 1,403 | 5,552 | 23,221 | 17,371 | 70,124 | | +1,501 | 49 | 1,200 |

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. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/1).

Table 9. Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2003 (Thousand Gallons)

| | | | Di | stillate Fuel O | il | | | | |
|-------------------------------|---------------------|-------------------|----------------------|-----------------------|-------------------|----------------|---------------------|--------------------|----------------|
| Destination | | | No. 2 D | istillate | | | | Residual | Kerosene |
| Destination | No. 1 Distillate | No. 2 Fuel Oil | Low Sulfur Diesel | High Sulfur Diesel | No. 2 Total | No. 4 Fuel | Total Distillate | Fuel Oil | Refuserie |
| U.S. Total | 47,531 | 425,484 | 829,473 | 1,053,960 | 2,308,917 | 37,998 | 2,394,445 | 1,414,052 | 164,386 |
| PAD District 1 Total | 1,746 | 273,967 | 106,347 | 429,961 | 810,276 | 29,463 | 841,484 | 977,763 | 77,285 |
| Subdistrict 1A Total | 516 | 86,660 | 10,580 | 7,939 | 105,180 | 11,596 | 117,292 | 224,662 | 12,515 |
| Connecticut | - 11 | 43,165 | 3,106 1,618 | 59 | 46,330 | 5,969 | 52,299 | 32,205 | 8,755 |
| Maine Massachusetts | - | 13,493 12,384 | 2,707 | 507 5,294 | 15,618 20,385 | 1,340 916 | 16,969 21,300 | 115,705 41,435 | 305 356 |
| New Hampshire | 500 | 7,449 | 1,543 | 1,497 | 10,490 | 638 | 11.628 | 16,436 | 540 |
| Rhode Island | _ | 4,184 | 807 | , – | 4,991 | 1,771 | 6,762 | 12,861 | 4 |
| Vermont | 4 | 5,985 | 799 | 583 | 7,367 | 962 | 8,334 | 6,021 | 2,555 |
| Subdistrict 1B Total | 743 | 107,903 | 25,071 | 50,080 | 183,053 | 15,776 | 199,572 | 181,283 | 57,561 |
| Delaware | _ | 853 | 988 | 324 | 2,166 | 776 | 2,942 | 16,060 | 11 |
| District of Columbia Maryland | 742 | 26 17,407 | 3,954 | 12 3,555 | 38 24,916 | 202 255 | 240 25,913 | 24,705 | 748 |
| New Jersey | 742 | 31,961 | 3,334 | 477 | 35,612 | 6,178 | 41,790 | 19,830 | 18,444 |
| New York | _ | 30.497 | 5,942 | 4,021 | 40,460 | 5,393 | 45,853 | 67,043 | 35,947 |
| Pennsylvania | _ | 27,158 | 11,013 | 41,691 | 79,862 | 2,972 | 82,834 | 53,645 | 2,412 |
| Subdistrict 1C Total | 487 | 79,404 | 70,696 | 371,942 | 522,042 | 2,091 | 524,620 | 571,818 | 7,210 |
| Florida | 47 | 3,000 | 30,041 | 67,657 | 100,698 | 112 | 100,857 | 79,550 | 272 |
| Georgia | _ | 13,017 | 22,710 | 67,159 | 102,886 | | 102,886 | 98,249 | 1,837 |
| North Carolina | _ 2 | 17,206 | 6,275 | 34,742 | 58,223 | 778 | 59,001 27.943 | 167,292 135.356 | 265 |
| South CarolinaVirginia | 74 | 8,141 27,515 | 943 9,110 | 18,288 75,680 | 27,372 112,304 | 569 621 | 113,000 | 89,236 | 3,039 1,380 |
| West Virginia | 364 | 10,524 | 1,619 | 108,416 | 120,559 | 10 | 120,934 | 2,135 | 417 |
| PAD District 2 Total | 19,053 | 133,776 | 205,545 | 283,413 | 622,735 | 7,561 | 649,349 | 192,464 | 11,720 |
| Illinois Indiana | 3,901 2,409 | 10,160 30,602 | 17,238 40,489 | 25,315 29,269 | 52,713 100,361 | 3,730 2,162 | 60,344 104,932 | 5,647 13,349 | 1,909 948 |
| lowa | 329 | 418 | 7,034 | 283 | 7,734 | 2,102 | 8,063 | 6,399 | 25 |
| Kansas | 164 | 1,014 | 20,288 | 2,576 | 23,879 | 4 | 24,047 | 26,695 | 41 |
| Kentucky | 81 | 5,505 | 9,448 | 87,329 | 102,282 | 646 | 103,009 | 2,497 | 1,138 |
| Michigan | 673 | 4,281 | 3,541 | 15,556 | 23,378 | _ | 24,051 | 27,203 | 683 |
| Minnesota | 4,701 | 28,267 | 14,839 | 996 | 44,103 | _ | 48,803 | 23,552 | 120 |
| Missouri | 1,764 | 1,641 | 18,372 | 13,829 | 33,842 | 7 | 35,613 | 3,573 | 180 |
| Nebraska | 151 | 797 | 1,527 | 4,561 | 6,884 | 34 | 7,069 | 5,410 | 45 |
| North Dakota Ohio | 2,012 294 | 1,581 23,550 | 5,169 19,012 | 6,162 38,359 | 12,913 80,921 | 508 | 14,924 81,723 | 1,829 20,666 | 36 4,669 |
| Oklahoma | 5 | 2,037 | 4,270 | 11,498 | 17,804 | - | 17,809 | 20,436 | 278 |
| South Dakota | 151 | 469 | 2,692 | 2,909 | 6,071 | 4 | 6,225 | 1,830 | 5 |
| Tennessee | _ | 2,622 | 20,361 | 24,731 | 47,714 | 209 | 47,924 | 10,562 | 967 |
| Wisconsin | 2,419 | 20,831 | 21,265 | 20,041 | 62,137 | 257 | 64,813 | 22,817 | 679 |
| PAD District 3 Total | 436 | 7,652 | 169,735 | 254,572 | 431,959 | - | 432,395 | 215,671 | 73,410 |
| Alabama Arkansas | - 18 | 578 188 | 31,427 4,342 | 108,262 17,034 | 140,267 21,564 | _ | 140,267 21,581 | 11,718 8,039 | 1,257 17 |
| Louisiana | - | - | 11,233 | 11,364 | 22,597 | _ | 22.597 | 122,070 | 63,213 |
| Mississippi | _ | _ | 3,847 | 22,192 | 26,039 | _ | 26,039 | 6,922 | 836 |
| New Mexico | 418 | 138 | 26,145 | 4,582 | 30,864 | _ | 31,282 | 6,699 | 52 |
| Texas | - | 6,748 | 92,742 | 91,139 | 190,629 | - | 190,629 | 60,223 | 8,034 |
| PAD District 4 Total | 6,493 | 7,414 | 194,822 | 21,101 | 223,336 | <u>-</u> | 229,829 | 8,572 | 248 |
| ColoradoIdaho | 1,251 978 | 627 1,228 | 27,011 7,686 | 2,608 7,367 | 30,245 16,281 | _ | 31,496 17,259 | 17 | 55 2 |
| Montana | 1,020 | 1,834 | 28,414 | 7,307 | 30,326 | _ | 31,346 | - | 64 |
| Utah | 912 | 3,725 | 26,974 | 10,583 | 41,282 | _ | 42,194 | 2,906 | 121 |
| Wyoming | 2,331 | , – | 104,738 | 465 | 105,202 | _ | 107,533 | 5,649 | 7 |
| PAD District 5 Total | 19,803 | 2,675 | 153,023 | 64,912 | 220,611 | 975 | 241,389 | 19,582 | 1,722 |
| Alaska | 19,026 | 796 | 8,719 | 16,653 | 26,168 | _ | 45,195 56.786 | _ | 1 |
| Arizona California | 513 119 | 445 31 | 42,077 48,369 | 13,750 908 | 56,273 49,308 | _ | 56,786 49,427 | 1,536 | 36 1,062 |
| Hawaii | - | 326 | 1,958 | 2,585 | 49,306 | _ | 49,427 | 62 | 1,002 |
| Nevada | 92 | - | 29,592 | 11,839 | 41,431 | 975 | 42,498 | - | 7 |
| Oregon | 48 | 7 | 8,691 | 11,212 | 19,910 | _ | 19,958 | 15,019 | 486 |
| Washington | 5 | 1,070 | 13,617 | 7,965 | 22,652 | _ | 22,656 | 2,965 | 126 |

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. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/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, 2003 (Thousand Gallons)

| | | Fa | rm | | Electric | Power | Oil Comp | any Use |
|----------------------|-----------|---------------------|---------------------|----------|------------------------|----------------------|------------------------|----------------------|
| Destination | Diesel | Other Distillate | Total Distillate | Kerosene | Distillate Fuel Oil | Residual Fuel Oil | Distillate Fuel Oil | Residual Fuel Oil |
| U.S. Total | 3,118,037 | 82,772 | 3,200,809 | 11,674 | 1,147,727 | 5,273,089 | 513,511 | 84,100 |
| PAD District 1 Total | 442,326 | 52,972 | 495,298 | 4,079 | 567,598 | 4,453,268 | 26,602 | 52,566 |
| Subdistrict 1A Total | 19,894 | 17,053 | 36,948 | 1,122 | 23,173 | 1,013,906 | 741 | 691 |
| Connecticut | 3,136 | 4,693 | 7,830 | 7 | 4,379 | 67,644 | 7 | 236 |
| Maine | 5,994 | 6,043 | 12,037 | 484 | 537 | 107,423 | 218 | 38 |
| Massachusetts | 4,522 | 694 | 5,216 | 12 | 13,927 | 690,853 | _ | _ |
| New Hampshire | 2,432 | 3,432 | 5,865 | 281 | 1,777 | 147,848 | _ | |
| Rhode Island | 70 | 21 | 90 | _ | 1,376 | 139 | 515 | 417 |
| Vermont | 3,740 | 2,170 | 5,910 | 338 | 1,176 | 4 004 740 | 44.007 | - - |
| Subdistrict 1B Total | 91,810 | 26,322 | 118,133 | 1,945 | 198,096 | 1,261,743 | 14,667 | 51,432 |
| Delaware | 7,210 | 14 | 7,224 | 133 | 7,591 | 73,067 | 8,343 | 11,628 |
| District of Columbia | - | - 77 | - | - | 8,386 | - 00 457 | _ | - |
| Maryland | 20,404 | 77 | 20,481 | 281 | 43,125 | 63,457 | 4.070 | 651 |
| New Jersey | 5,232 | 549 | 5,781 | 14 | 27,780 | 131,114 | 1,679 | 1,796 |
| New York | 30,180 | 17,159 | 47,339 | 1,118 | 31,030 | 808,354 | 2 | 695 |
| Pennsylvania | 28,785 | 8,523 | 37,308 | 400 | 80,185 | 185,751 | 4,643 | 36,662 |
| Subdistrict 1C Total | 330,621 | 9,597 | 340,218 | 1,012 | 346,330 | 2,177,619 | 11,194 | 443 |
| Florida | 162,871 | _ | 162,871 | 29 | 92,893 | 1,839,037 | 35 | _ |
| Georgia | 80,059 | | 80,059 | 9 | 19,849 | 3,697 | 287 | - |
| North Carolina | 33,059 | 8,271 | 41,330 | 222 | 47,884 | _ | 1,286 | 107 |
| South Carolina | 18,863 | 331 | 19,194 | 70 | 20,437 | - | 1,371 | 113 |
| Virginia | 34,509 | 949 | 35,458 | 648 | 128,922 | 334,885 | 4,175 | 224 |
| West Virginia | 1,260 | 46 | 1,306 | 33 | 36,346 | _ | 4,040 | _ |
| PAD District 2 Total | 1,517,400 | 26,445 | 1,543,845 | 5,535 | 191,911 | 159,147 | 72,528 | 11,573 |
| Illinois | 161,910 | 1,694 | 163,604 | 426 | 9,267 | 43,287 | 65 | - |
| Indiana | 127,443 | 2,500 | 129,943 | 555 | 16,274 | _ | - | - |
| lowa | 173,017 | 746 | 173,763 | 504 | 6,615 | | | _ |
| Kansas | 159,863 | 1,136 | 160,998 | 114 | 6,912 | 60,129 | 9,525 | |
| Kentucky | 30,354 | 52 | 30,406 | 272 | 8,308 | – | 1,423 | 2,638 |
| Michigan | 46,110 | 1,213 | 47,323 | 207 | 18,938 | 47,627 | 780 | 3,286 |
| Minnesota | 114,375 | 3,380 | 117,755 | 361 | 8,990 | 3,648 | . | 2,523 |
| Missouri | 92,308 | 80 | 92,388 | 155 | 6,078 | _ | 128 | _ |
| Nebraska | 203,872 | 909 | 204,781 | 199 | 2,844 | _ | 2 | _ |
| North Dakota | 93,976 | 2,690 | 96,665 | 29 | 2,017 | | 6,009 | |
| Ohio | 91,246 | 5,816 | 97,062 | 1,721 | 59,405 | 2,396 | 3,561 | 2,941 |
| Oklahoma | 44,449 | _ | 44,449 | 121 | 4,516 | 2,060 | 50,751 | _ |
| South Dakota | 58,881 | 2,072 | 60,953 | 86 | 1,534 | _ | | 130 |
| Tennessee | 29,559 | 536 | 30,095 | 426 | 30,002 | _ | 42 | _ |
| Wisconsin | 90,037 | 3,621 | 93,659 | 359 | 10,212 | _ | 243 | 55 |
| PAD District 3 Total | 608,225 | 2,004 | 610,229 | 522 | 166,290 | 230,858 | 322,635 | 8 |
| Alabama | 27,808 | _ | 27,808 | 13 | 15,323 | _ | 903 | _ |
| Arkansas | 172,817 | _ | 172,817 | 65 | 7,490 | 11,825 | 2,735 | _ |
| Louisiana | 54,984 | _ | 54,984 | 48 | 9,764 | 85,900 | 74,171 | _ |
| Mississippi | 50,111 | 355 | 50,466 | 176 | 2,319 | 113,126 | 2,059 | 8 |
| New Mexico | 35,177 | 15 | 35,192 | 26 | 3,074 | _ | 25,834 | _ |
| Texas | 267,327 | 1,634 | 268,961 | 194 | 128,322 | 20,007 | 216,933 | - |
| PAD District 4 Total | 179,373 | 1,234 | 180,607 | 120 | 11,489 | 210 | 41,885 | 2,523 |
| Colorado | 51,213 | 61 | 51,274 | 65 | 1,719 | _ | 5,087 | ´ - |
| Idaho | 52,647 | 335 | 52,982 | 19 | 9 | _ | , <u> </u> | _ |
| Montana | 47,491 | 734 | 48,225 | _ | 3,242 | _ | 12,682 | 242 |
| Utah | 20,859 | 15 | 20,875 | 33 | 3,289 | 210 | 8,937 | 1,839 |
| Wyoming | 7,163 | 88 | 7,251 | 3 | 3,229 | _ | 15,179 | 441 |
| PAD District 5 Total | 370,713 | 117 | 370,830 | 1,418 | 210,439 | 429,607 | 49,860 | 17,429 |
| Alaska | 48 | _ | 48 | -, | 71,909 | , | 37,565 | |
| Arizona | 19,919 | _ | 19,919 | 1 | 4,847 | _ | 142 | _ |
| California | 283,632 | 3 | 283,635 | 351 | 7,014 | 134 | 10,552 | 714 |
| Hawaii | 6,347 | _ | 6,347 | - | 124,840 | 428,696 | 6 | 15,495 |
| Nevada | 3,464 | _ | 3,464 | 3 | 1,132 | 0,000 | 1,113 | 36 |
| Oregon | 24,851 | 58 | 24,909 | 682 | 215 | 680 | -, | 618 |
| Washington | 32,453 | 56 | 32,508 | 380 | 483 | 96 | 482 | 565 |

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. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/1).

Table 11. Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2003 (Thousand Gallons)

| Destination | Railroad Use | Vessel Bu | unkering | On-Highway Diesel | Total Transp | ortation Use |
|------------------------------|------------------------|------------------------|----------------------|----------------------------|----------------------------|----------------------|
| Destination | Distillate Fuel Oil | Distillate Fuel Oil | Residual Fuel Oil | Distillate Fuel Oil | Distillate Fuel Oil | Residual Fuel Oil |
| U.S. Total | 3,656,657 | 2,216,921 | 3,873,849 | 37,103,563 | 42,977,142 | 3,873,849 |
| PAD District 1 Total | 576,596 | 501,343 | 1,294,069 | 10,900,154 | 11,978,092 | 1,294,069 |
| Subdistrict 1A Total | 25,055 | 48,868 | 521 | 1,060,291 | 1,134,215 | 521 |
| Connecticut | 3,745 | 6,198 | 93 | 221,316 | 231,259 | 93 |
| Maine | 1,133 | 17,242 | 107 | 201,804 | 220,180 | 107 |
| Massachusetts | 19,939 | 16,973 | 320 | 409,242 | 446,154 | 320 |
| New Hampshire | 210 | 3,226 | _ | 101,598 | 105,034 | _ |
| Rhode Island Vermont | _ 29 | 4,591 638 | _ | 59,616 | 64,207 | _ |
| Subdistrict 1B Total | 211,960 | 127,608 | 892,057 | 66,715 4,038,926 | 67,382 4,378,493 | 892,057 |
| Delaware | 1,273 | 721 | 42,545 | 63,366 | 65,360 | 42,545 |
| District of Columbia | 9,608 | 4 | 12,010 | 25,579 | 35,191 | 12,010 |
| Maryland | 18,676 | 12,164 | 17,293 | 509,305 | 540,145 | 17,293 |
| New Jersey | 20,940 | 83,337 | 510,405 | 867,588 | 971,864 | 510,405 |
| New York | 89,239 | 10,408 | 196,041 | 1,258,604 | 1,358,251 | 196,041 |
| Pennsylvania | 72,224 | 20,974 | 125,773 | 1,314,484 | 1,407,682 | 125,773 |
| Subdistrict 1C Total | 339,581 | 324,866 | 401,492 | 5,800,937 | 6,465,384 | 401,492 |
| Florida | 90,854 | 158,234 | 193,523 | 1,425,356 | 1,674,444 | 193,523 |
| Georgia | 112,304 | 17,843 | 85,164 | 1,425,552 | 1,555,699 | 85,164 |
| North CarolinaSouth Carolina | 66,265 | 3,802 39,892 | 33,431 25,387 | 1,034,884 629,129 | 1,104,951 | 33,431 25,387 |
| Virginia | 5,872 53,887 | 31,101 | 63,987 | 1,015,930 | 674,894 1,100,919 | 63,987 |
| West Virginia | 10,398 | 73,993 | - | 270,086 | 354,477 | - |
| PAD District 2 Total | 1,406,333 | 454,799 | 17,064 | 11,804,120 | 13,665,251 | 17,064 |
| Illinois | 225,961 | 60,365 | 477 | 1,402,713 | 1,689,039 | 477 |
| Indiana | 105,881 | 8,665 | 3,290 | 1,474,547 | 1,589,092 | 3,290 |
| lowa | 41,913 | 7,003 | _ | 509,625 | 558,541 | _ |
| Kansas | 85,755 | - | - | 403,967 | 489,722 | - |
| Kentucky | 99,327 | 85,727 | 134 | 712,342 | 897,396 | 134 |
| Michigan Minnesota | 15,465 61,095 | 9,453 3,917 | 8,454 3,003 | 977,042 642,015 | 1,001,960 707,027 | 8,454 3,003 |
| Missouri | 54,960 | 95,010 | 548 | 968,144 | 1,118,114 | 548 |
| Nebraska | 42,528 | - | - | 377,378 | 419,906 | - |
| North Dakota | 51,041 | _ | _ | 158,901 | 209,942 | _ |
| Ohio | 206,449 | 8,440 | 700 | 1,512,124 | 1,727,013 | 700 |
| Oklahoma | 295,345 | 7 | _ | 855,483 | 1,150,835 | _ |
| South Dakota | 4,547 | _ | _ | 169,583 | 174,130 | _ |
| Tennessee | 78,685 | 174,700 | 351 | 967,596 | 1,220,981 | 351 |
| Wisconsin | 37,379 | 1,513 | 106 | 672,660 | 711,552 | 106 |
| PAD District 3 Total | 963,668 | 886,124 | 1,203,982 | 5,991,419 | 7,841,212 | 1,203,982 |
| Alabama | 51,997 | 71,712 | 43,215 | 706,097 | 829,806 | 43,215 |
| Arkansas | 118,065 | 9,133 | | 589,387 | 716,585 | - |
| Louisiana | 52,802 | 470,422 | 413,578 | 673,766 | 1,196,990 | 413,578 |
| Mississippi | 40,828 | 72,120 | 35,115 | 591,531 | 704,479 | 35,115 |
| New Mexico Texas | 15,447 684,530 | 262,737 | 712,074 | 439,259 2,991,379 | 454,706 3,938,647 | 712,074 |
| PAD District 4 Total | 243,428 | 519 | _ | 1,730,771 | 1,974,717 | _ |
| Colorado | 58,654 | 517 | _ | 577,265 | 636,436 | _ |
| Idaho | 21,071 | 2 | _ | 228,873 | 249,947 | _ |
| Montana | 25,241 | _ | _ | 193,427 | 218,668 | _ |
| Utah | 36,293 | _ | _ | 350,491 | 386,784 | _ |
| Wyoming | 102,167 | _ | _ | 380,715 | 482,882 | - |
| PAD District 5 Total | 466,633 | 374,137 | 1,358,734 | 6,677,099 | 7,517,869 | 1,358,734 |
| Arizona | 6,277 17,106 | 104,913 | 535 | 89,126 730,271 | 200,316 | 535 |
| Arizona California | 17,106 | 64 022 | 007.060 | 730,271 | 747,377 | 007.000 |
| Hawaii | 270,892 | 61,933 133,725 | 997,869 39,081 | 4,478,284 36,631 | 4,811,109 170,356 | 997,869 39,081 |
| Nevada | 5,348 | 133,725 | 39,001 | 301,013 | 306,370 | 39,061 |
| Oregon | 77,503 | 12,988 | 65,175 | 448,164 | 538,655 | 65,175 |
| Washington | 89,508 | 60,568 | 256,074 | 593,610 | 743,687 | 256,074 |

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. • 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, 2003

| | | Mili | tary | | | ff-Highway illate Fuel Oi | il | All Other | | |
|----------------------|---------|---------------------|---------------------|----------------------|--------------|------------------------------|-----------|----------------------|----------|--|
| Destination | Diesel | Other Distillate | Total Distillate | Residual Fuel Oil | Construction | Other | Total | Residual Fuel Oil | Kerosene | |
| U.S. Total | 367,065 | 48,637 | 415,702 | 10,249 | 2,177,131 | 414,702 | 2,591,833 | 1,538 | 2,572 | |
| PAD District 1 Total | 66,552 | 40,530 | 107,082 | 4,095 | 740,389 | 125,291 | 865,681 | 1,174 | 1,842 | |
| Subdistrict 1A Total | 4,023 | 4,672 | 8,695 | · - | 101,322 | 22,742 | 124,063 | 250 | 852 | |
| Connecticut | 196 | 1,075 | 1,270 | _ | 15,700 | 110 | 15,810 | 250 | 605 | |
| Maine | 1,912 | 1,932 | 3,844 | _ | 13,034 | 13,874 | 26,908 | _ | 18 | |
| Massachusetts | 1,012 | 171 | 1,183 | _ | 54,387 | 3,977 | 58,364 | _ | 7 | |
| New Hampshire | 612 | 1,388 | 2,000 | _ | 11,652 | 3,146 | 14,798 | _ | 126 | |
| Rhode Island | 19 | 1 | 20 | _ | 3,165 | _ | 3,165 | _ | 5 | |
| Vermont | 272 | 105 | 377 | _ | 3,384 | 1,634 | 5,018 | _ | 90 | |
| Subdistrict 1B Total | 23,374 | 18,573 | 41,947 | 1,122 | 213,515 | 5,688 | 219,203 | _ | 774 | |
| Delaware | 122 | 6 | 127 | _ | 3,633 | 76 | 3,709 | _ | _ | |
| District of Columbia | 1,750 | 1,059 | 2,808 | _ | 3,943 | _ | 3,943 | _ | _ | |
| Maryland | 2,839 | 7,293 | 10,132 | _ | 40,991 | 1,214 | 42,205 | _ | 59 | |
| New Jersey | 15,427 | 2,529 | 17,955 | 341 | 43,269 | 631 | 43,900 | _ | 1 | |
| New York | 1,235 | 1,246 | 2,481 | _ | 38,086 | 751 | 38,837 | _ | 338 | |
| Pennsylvania | 2,003 | 6,441 | 8,444 | 782 | 83,592 | 3,016 | 86,609 | _ | 376 | |
| Subdistrict 1C Total | 39,154 | 17,286 | 56,440 | 2,973 | 425,553 | 96,862 | 522,415 | 924 | 216 | |
| Florida | 4,211 | 137 | 4,348 | _ | 175,867 | 15,141 | 191,008 | 924 | 116 | |
| Georgia | 4,114 | 1,066 | 5,180 | _ | 67,721 | 31,510 | 99,232 | _ | 14 | |
| North Carolina | 2,033 | 11,392 | 13,425 | _ | 42,319 | 9,209 | 51,528 | _ | 1 | |
| South Carolina | 2,180 | 108 | 2,288 | _ | 38,004 | 16,965 | 54,968 | _ | 15 | |
| Virginia | 26,438 | 4,567 | 31,005 | 2,973 | 86,326 | 19,643 | 105,969 | _ | 59 | |
| West Virginia | 178 | 16 | 195 | - | 15,315 | 4,394 | 19,710 | - | 10 | |
| PAD District 2 Total | 9,440 | 2,838 | 12,278 | 4,968 | 670,464 | 87,648 | 758,112 | 46 | 370 | |
| Illinois | 452 | 4 | 456 | 4,642 | 84,108 | 2,643 | 86,751 | _ | 9 | |
| Indiana | 465 | 116 | 581 | _ | 43,871 | 4,422 | 48,293 | _ | 39 | |
| lowa | 360 | _ | 360 | _ | 19,417 | 3,175 | 22,592 | 2 | 12 | |
| Kansas | 883 | 13 | 895 | 326 | 18,621 | 987 | 19,608 | _ | _ | |
| Kentucky | 715 | 12 | 728 | _ | 44,107 | 10,176 | 54,283 | _ | 64 | |
| Michigan | 780 | 34 | 814 | _ | 54,758 | 12,900 | 67,658 | _ | 4 | |
| Minnesota | 210 | 436 | 646 | _ | 59,096 | 17,487 | 76,583 | _ | 48 | |
| Missouri | 1,883 | 1,156 | 3,039 | _ | 76,673 | 7,228 | 83,901 | _ | 17 | |
| Nebraska | 40 | 24 | 65 | _ | 15,413 | 2,300 | 17,714 | 15 | 89 | |
| North Dakota | 886 | 26 | 912 | _ | 6,188 | 953 | 7,141 | _ | _ | |
| Ohio | 400 | 506 | 906 | _ | 91,408 | 2,861 | 94,269 | 29 | 47 | |
| Oklahoma | 1,458 | _ | 1,458 | _ | 47,972 | 2,164 | 50,136 | _ | _ | |
| South Dakota | 177 | 47 | 224 | _ | 7,570 | 1,122 | 8,692 | _ | _ | |
| Tennessee | 96 | 24 | 120 | _ | 43,018 | 11,489 | 54,507 | _ | 39 | |
| Wisconsin | 634 | 441 | 1,075 | - | 58,243 | 7,742 | 65,985 | - | - | |
| PAD District 3 Total | 109,798 | 348 | 110,147 | _ | 391,130 | 107,884 | 499,015 | 300 | 18 | |
| Alabama | 9,135 | 134 | 9,268 | _ | 102,874 | 32,259 | 135,133 | _ | 1 | |
| Arkansas | 354 | 119 | 474 | _ | 10,167 | 23,463 | 33,630 | _ | _ | |
| Louisiana | 649 | _ | 649 | _ | 61,712 | 19,569 | 81,282 | 6 | _ | |
| Mississippi | 4,583 | 39 | 4,622 | _ | 44,363 | 21,862 | 66,225 | 278 | _ | |
| New Mexico | 601 | _ | 601 | _ | 9,996 | 1,294 | 11,290 | 16 | 17 | |
| Texas | 94,476 | 57 | 94,533 | - | 162,018 | 9,437 | 171,454 | - | - | |
| PAD District 4 Total | 5,894 | 38 | 5,932 | _ | 102,518 | 29,987 | 132,505 | 18 | 9 | |
| Colorado | 1,342 | _ | 1,342 | _ | 43,969 | 1,201 | 45,171 | _ | 4 | |
| Idaho | 4,357 | 5 | 4,362 | _ | 8,609 | 13,807 | 22,415 | _ | 1 | |
| Montana | 12 | 33 | 45 | _ | 9,259 | 7,024 | 16,283 | _ | _ | |
| Utah | 183 | - | 183 | _ | 29,297 | 5,774 | 35,071 | _ | 4 | |
| Wyoming | - | _ | _ | - | 11,383 | 2,181 | 13,565 | 18 | - | |
| PAD District 5 Total | 175,381 | 4,883 | 180,263 | 1,185 | 272,629 | 63,892 | 336,521 | _ | 334 | |
| Alaska | 9,926 | 1,685 | 11,611 | · – | 10,664 | 1,551 | 12,215 | _ | _ | |
| Arizona | 687 | _ | 687 | _ | 52,146 | 2,913 | 55,059 | _ | _ | |
| California | 47,011 | - | 47,011 | 1,184 | 112,385 | 9,355 | 121,741 | _ | 306 | |
| Hawaii | 54,170 | - | 54,170 | · – | 7,793 | 6 | 7,798 | _ | _ | |
| Nevada | 776 | - | 776 | _ | 23,997 | 764 | 24,761 | _ | _ | |
| Oregon | 1,735 | _ | 1,735 | _ | 17,880 | 23,983 | 41,863 | _ | 16 | |
| | 61,076 | | , | | | | , | | | |

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. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/1).

Adjusted Sales of Fuel Oil and Kerosene in 2003

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 1999 through 2003 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.

NOTE: The 2002 adjusted numbers have been revised since they were first published in the *Fuel Oil* and *Kerosene Sales 2002*. 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 2002*, the "Electric Power" information was still being collected and verified. Also in the *Fuel Oil and Kerosene Sales 2002*, the 2001 residual fuel oil U.S Total was revised. This was done because the residual fuel oil product supplied number was revised to include new export and import information. This revision was not republished in a *2001 PSA*, but is explained within the Front Matter section of the *2002 PSA*. This information can be found on EIA's WEB page or use the url:

http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume1/historical/2002/pdf/volume1_front_matter.pdf.

Table 13. Adjusted Sales of Distillate Fuel Oil by Energy Use in the United States: 1999-2003 (Thousand Gallons)

| F 11 | | | Distillate Fuel Oil | | |
|--------------------|------------|------------|---------------------|------------------------|------------|
| Energy Use | 1999 | 2000 | 2001 | 2002 | 2003 |
| U.S. Total | 54,758,718 | 57,217,230 | 58,971,486 | 57,884,652 | 60,201,666 |
| Residential | 5,847,762 | 6,123,946 | 6,275,678 | R5,885,280 | 6,083,038 |
| Commercial | 3,003,653 | 3,324,687 | 3,512,488 | R3,043,558 | 3,177,925 |
| Industrial | 2,170,075 | 2,117,531 | 2,329,029 | R _{2,223,793} | 2,028,891 |
| Oil Company | 576,997 | 671,170 | 822,797 | R821,883 | 465,587 |
| Farm | 2,899,222 | 3,122,416 | 3,434,936 | R3,158,072 | 2,691,886 |
| Electric Power | 912,807 | 1,139,740 | 1,455,075 | ^R 789,751 | 1,278,272 |
| Railroad | 2,789,926 | 3,026,147 | 2,958,815 | R3,061,280 | 3,080,396 |
| Vessel Bunkering | 2,064,590 | 2,041,433 | 2,099,011 | R _{2,056,465} | 1,859,010 |
| On-Highway Diesel | 32,062,447 | 33,129,664 | 33,215,320 | 34,308,885 | 37,103,563 |
| Military | 288,926 | 227,998 | 347,220 | ^R 327,145 | 272,759 |
| Off-Highway Diesel | 2,142,313 | 2,292,498 | 2,521,118 | R _{2,208,540} | 2,160,339 |

R = Revised.

Notes: • See Technical Note 3 for further explanations on 2002 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 1999-2003 and "Petroleum Supply Annual,"

Volume 1, 1999-2003, (DOE/EIA-0340(99)/1 - (03)/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: 1999-2003 (Thousand Gallons)

| - | Residual Fuel Oil | | | | | | | | |
|------------------|-------------------|------------|------------|----------------------|------------|--|--|--|--|
| Energy Use | 1999 | 2000 | 2001 | 2002 | 2003 | | | | |
| U.S. Total | 12,725,916 | 13,966,134 | 13,508,460 | 10,724,994 | 11,836,776 | | | | |
| Commercial | 619,429 | 641,810 | 520,335 | ^R 564,516 | 743,770 | | | | |
| Industrial | 1,630,313 | 1,531,336 | 1,403,638 | R1,234,188 | 1,391,258 | | | | |
| Oil Company | 118,898 | 148,311 | 106,176 | R107,244 | 82,744 | | | | |
| Electric Power | 4,729,990 | 5,418,215 | 7,112,731 | R4,027,869 | 5,796,005 | | | | |
| Vessel Bunkering | 5,598,630 | 6,192,294 | 4,345,284 | R4,783,956 | 3,811,403 | | | | |
| Military | 24,647 | 27,462 | 16,160 | ^R 3,831 | 10,084 | | | | |
| All Other | 4,009 | 6,706 | 4,136 | R3,389 | 1,513 | | | | |

R = Revised.
Notes: • See "Technical Note 3" for further explanations on 2001 and 2002 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 1999-2003 and "Petroleum Supply Annual," Volume 1, 1999-2003, (DOE/EIA-0340(99)/1 - (03)/1). • See Technical Note 3 for further explanation of Electric Power.

Table 15. Adjusted Sales of Kerosene by Energy Use in the United States: 1999-2003 (Thousand Gallons)

| F H | Kerosene | | | | | | | | |
|-------------|-----------|-----------|-----------|---------|---------|--|--|--|--|
| Energy Use | 1999 | 2000 | 2001 | 2002 | 2003 | | | | |
| U.S. Total | 1,118,124 | 1,036,014 | 1,108,926 | 664,314 | 837,480 | | | | |
| Residential | 823,436 | 700,532 | 704,305 | 443,919 | 520,799 | | | | |
| Commercial | 199,577 | 219,633 | 232,608 | 118,125 | 138,049 | | | | |
| Industrial | 58,279 | 86,844 | 141,317 | 77,508 | 164,386 | | | | |
| Farm | 26,312 | 23,084 | 27,162 | 19,390 | 11,674 | | | | |
| All Other | 10,521 | 5,921 | 3,535 | 5,372 | 2,572 | | | | |

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 1999-2003 and "Petroleum Supply Annual," Volume 1, 1999-2003, (DOE/EIA-0340(99)/1 - (03)/1).

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003

| Booth of or | Reside | ential | Comm | ercial | Indus | trial |
|-------------------------|-------------|-------------------|------------------|-------------------|-------------------|-------------------|
| Destination | R2002 | 2003 | R 2002 | 2003 | R2002 | 2003 |
| U.S. Total | . 5,885,280 | 6,083,038 | 3,043,558 | 3,177,925 | 2,223,793 | 2,028,891 |
| PAD District 1 Total | . 5,159,955 | 5,445,222 | 1,991,763 | 2,302,877 | 739,361 | 753,129 |
| Subdistrict 1A Total | 2,070,341 | 2,207,729 | 502,734 | 662,938 | 56,941 | 104,976 |
| Connecticut | , | 610,774 | 115,898 | 139,533 | 14,964 | 46,807 |
| Maine | | 352,544 | 109,309 | 146,515 | 15,414 | 15,187 |
| Massachusetts | | 806,537 | 154,026 | 222,322 | 10,315 | 19,064 |
| New Hampshire | | 198,091 | 62,137 | 77,806 | 6,817 | 10,407 |
| Rhode Island Vermont | | 147,923 91,859 | 26,610 34,755 | 39,137 37,624 | 3,893 5,539 | 6,052 7,459 |
| Subdistrict 1B Total | | 2,871,630 | 1,126,024 | 1,254,222 | 1 93,023 | 178,617 |
| Delaware | | 42,191 | 13,626 | 11,703 | 3,305 | 2,633 |
| District of Columbia | | 14,038 | 11,881 | 14,827 | 179 | 215 |
| Maryland | | 164,444 | 100,367 | 89,110 | 24,527 | 23,192 |
| New Jersey | | 411,299 | 96,949 | 121,846 | 23,443 | 37,402 |
| New York | . 1,321,232 | 1,351,314 | 603,789 | 766,473 | 42,299 | 41,038 |
| Pennsylvania | | 888,343 | 299,412 | 250,264 | 99,272 | 74,137 |
| Subdistrict 1C Total | | 365,863 | 363,005 | 385,717 | 489,397 | 469,536 |
| Florida | , | 4,440 | 103,144 | 106,251 | 51,279 | 90,267 |
| Georgia | | 1,498 | 41,232 | 36,471 | 68,476 | 92,083 |
| North Carolina | | 118,456 | 80,000 | 84,849 | 46,901 | 52,806 |
| South CarolinaVirginia | , | 17,249 205,375 | 26,872 98,684 | 23,389 125,744 | 14,418 82,385 | 25,009 101,135 |
| West Virginia | | 18,846 | 13,073 | 9,013 | 225,939 | 101,133 |
| PAD District 2 Total | . 529,541 | 565,440 | 509,071 | 504,686 | 623,775 | 578,875 |
| Illinois | . 10,165 | 9,781 | 63,164 | 55,227 | 61,925 | 53,795 |
| Indiana | - , | 45,342 | 53,085 | 66,871 | 117,023 | 93,544 |
| lowa | , | 15,009 | 17,470 | 26,904 | 9,130 | 7,188 |
| Kansas | , | 712 | 24,472 | 25,281 | 11,855 | 21,437 |
| Kentucky Michigan | | 19,299 88,108 | 41,105 37,206 | 30,448 45,703 | 130,323 22,938 | 91,829 21,441 |
| Minnesota | | 93,146 | 31,605 | 29,335 | 35,990 | 43,507 |
| Missouri | , | 7,955 | 38,291 | 32,431 | 43,739 | 31,748 |
| Nebraska | , | 3,452 | 3,557 | 8,160 | 5,139 | 6,302 |
| North Dakota | | 19,956 | 5,455 | 7,080 | 8,913 | 13,305 |
| Ohio | . 122,260 | 128,932 | 86,863 | 69,707 | 76,160 | 72,853 |
| Oklahoma | | 37 | 13,467 | 3,774 | 18,159 | 15,876 |
| South Dakota | , | 12,127 | 6,914 | 5,047 | 8,025 | 5,550 |
| Tennessee | | 4,665 | 39,816 | 42,406 | 24,492 | 42,722 |
| Wisconsin | . 109,922 | 116,920 | 46,598 | 56,312 | 49,964 | 57,779 |
| PAD District 3 Total | . 3,159 | 878 | 216,901 | 253,396 | 392,048 | 440,723 |
| Alabama | , | 335 | 37,612 | 48,172 | 64,309 | 142,969 |
| Arkansas | | 162 | 21,442 | 32,827 | 29,020 | 21,997 |
| Louisiana | | 189 | 18,230 | 15,677 | 82,907 | 23,032 |
| Mississippi New Mexico | | 45 137 | 12,591 15,787 | 19,642 17,690 | 35,863 40,208 | 26,540 31,885 |
| Texas | | 10 | 111,239 | 119,389 | 139,741 | 194,301 |
| PAD District 4 Total | . 24,659 | 22,609 | 72,896 | 53,579 | 222,092 | 190,841 |
| Colorado | . 998 | 410 | 20,080 | 11,229 | 28,820 | 26,153 |
| Idaho | . 14,163 | 11,612 | 13,273 | 10,994 | 17,862 | 14,331 |
| Montana | , | 7,032 | 5,552 | 6,202 | 21,135 | 26,028 |
| Utah | | 2,500 | 22,555 | 19,520 | 36,438 | 35,037 |
| Wyoming | . 1,216 | 1,055 | 11,436 | 5,633 | 117,837 | 89,292 |
| PAD District 5 Total | • | 48,890 | 252,927 | 63,386 | 246,516 | 65,323 |
| Alaska Arizona | | 17,246 110 | 44,061 29,590 | 10,919 5.752 | 40,335 60,750 | 12,230 15,367 |
| California | | 1,413 | 29,590 77,901 | 5,752 21,045 | 60,750 43,259 | 15,367 13,376 |
| Hawaii | | 1,413 | 11,031 | 3,309 | 2,045 | 1,318 |
| Nevada | | 1,992 | 12,713 | 3,284 | 49,980 | 11,501 |
| Oregon | | 10,551 | 36,531 | 6,200 | 29,309 | 5,401 |
| Washington | , | 17,574 | 41,099 | 12,878 | 20,840 | 6,131 |

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| | Oil Com | pany | Far | m | Electric | Power |
|---------------------------|---------------|--------------|-------------|-------------|---------------|------------------|
| Destination | R2002 | 2003 | R2002 | 2003 | R 2002 | 2003 |
| J.S. Total | 821,883 | 465,587 | 3,158,072 | 2,691,886 | 789,751 | 1,278,272 |
| PAD District 1 Total | 24,186 | 23,809 | 460,585 | 443,293 | 363,701 | 632,158 |
| Subdistrict 1A Total | 37 | 663 | 29,991 | 33,068 | 9,345 | 25,808 |
| Connecticut | 6 | 7 | 7,401 | 7,008 | 1,439 | 4,877 |
| Maine | 31 | 195 | 7,521 | 10,773 | 337 | 598 |
| Massachusetts | - | 133 | 5,097 | 4,668 | 3,583 | 15,511 |
| | _ | _ | 4,646 | 5,249 | 2,299 | 1,980 |
| New HampshireRhode Island | _ | 461 | 126 | 81 | 1,253 | 1,532 |
| | _ | 401 | | | , | |
| Vermont | 47.004 | 40.407 | 5,199 | 5,289 | 435 | 1,310 |
| Subdistrict 1B Total | 17,904 | 13,127 | 103,583 | 105,729 | 136,033 | 220,627 |
| Delaware | 10,399 | 7,467 | 7,840 | 6,465 | 4,689 | 8,454 |
| District of Columbia | _ | _ | | | 20,251 | 9,339 |
| Maryland | 7 | _ | 14,240 | 18,330 | 25,091 | 48,030 |
| New Jersey | 275 | 1,503 | 9,437 | 5,174 | 19,377 | 30,940 |
| New York | 1 | 2 | 41,516 | 42,369 | 11,255 | 34,559 |
| Pennsylvania | 7,222 | 4,156 | 30,549 | 33,391 | 55,370 | 89,305 |
| Subdistrict 1C Total | 6,245 | 10,018 | 327,012 | 304,495 | 218,323 | 385,722 |
| Florida | 203 | 31 | 124,257 | 145,770 | 131,868 | 103,459 |
| Georgia | 83 | 257 | 110,265 | 71,653 | 10,875 | 22,107 |
| North Carolina | 257 | 1,151 | 41,072 | 36,990 | 33,074 | 53,330 |
| South Carolina | 560 | 1,227 | 19,408 | 17,178 | 15,580 | 22.761 |
| Virginia | 395 | 3,737 | 30,657 | 31.735 | 10.818 | 143,586 |
| West Virginia | 4,746 | 3,616 | 1,353 | 1,169 | 16,108 | 40,480 |
| west viigiilla | 4,740 | 3,010 | 1,333 | 1,109 | 10,100 | 40,400 |
| AD District 2 Total | 42,223 | 64,657 | 1,526,682 | 1,376,292 | 151,301 | 213,739 |
| Illinois | 471 | 58 | 137,252 | 145,848 | 9,302 | 10,322 |
| Indiana | 59 | _ | 77,838 | 115,841 | 15,793 | 18,125 |
| lowa | _ | _ | 205,822 | 154,904 | 3,045 | 7,367 |
| Kansas | 7,882 | 8,491 | 135,120 | 143,525 | 5,455 | 7,698 |
| Kentucky | 416 | 1,268 | 32,409 | 27,106 | 10,857 | 9,253 |
| Michigan | 22 | 696 | 43,262 | 42,187 | 25,226 | 21,092 |
| Minnesota | 2 | _ | 106,529 | 104,975 | 6,029 | 10,012 |
| Missouri | 138 | 114 | 62,523 | 82,361 | 7,271 | 6,769 |
| Nebraska | 100 | 2 | 179,354 | 182,556 | 719 | 3,167 |
| | 3,421 | | 86,523 | | | 2,247 |
| North Dakota | , | 5,357 | , | 86,174 | 1,704 | , |
| Ohio | 1,545 | 3,175 | 82,141 | 86,528 | 28,543 | 66,162 |
| Oklahoma | 28,185 | 45,243 | 57,594 | 39,625 | 10,888 | 5,030 |
| South Dakota | 11 | - | 50,568 | 54,338 | 738 | 1,709 |
| Tennessee | - | 37 | 27,999 | 26,829 | 19,135 | 33,414 |
| Wisconsin | 71 | 216 | 241,747 | 83,494 | 6,596 | 11,373 |
| AD District 3 Total | 689,440 | 328,849 | 597,875 | 621,982 | 76,877 | 185,204 |
| Alabama | 273 | 920 | 23,678 | 28,344 | 3,162 | 17,065 |
| Arkansas | 1,586 | 2,788 | 125,132 | 176,146 | 5,623 | 8,342 |
| Louisiana | 376,401 | 75,600 | 78,050 | 56,043 | 8,828 | 10,874 |
| Mississippi | 9,819 | 2,099 | 72,298 | 51,438 | 1,386 | 2,582 |
| | 22,920 | 26,332 | 17,507 | 35,870 | 2,930 | 3,424 |
| New Mexico Texas | 278,441 | 20,332 | 281,210 | 274,141 | 54,948 | 3,422 142,917 |
| | , | , | | ,, | 2 1,2 12 | • |
| AD District 4 Total | 20,291 | 34,780 | 159,736 | 149,969 | 7,285 | 12,796 |
| Colorado | 4,193 | 4,224 | 43,356 | 42,576 | 1,966 | 1,915 |
| Idaho | _ | _ | 56,706 | 43,994 | 20 | 10 |
| Montana | 1,187 | 10,531 | 36,156 | 40,044 | _ | 3,611 |
| Utah | 721 | 7,421 | 11,565 | 17,334 | 1,995 | 3,663 |
| Wyoming | 14,190 | 12,604 | 11,953 | 6,021 | 3,304 | 3,597 |
| IAD District 5 Total | 45 742 | 12 402 | 412 402 | 100 252 | 100 507 | 224 275 |
| Alocko | 45,743 | 13,493 | 413,193 | 100,352 | 190,587 | 234,375 |
| Alaska | 31,796 | 10,165 | 13 | 13 | 52,270 | 80,088 |
| Arizona | 311 | 38 | 31,314 | 5,390 | 5,249 | 5,399 |
| California | 10,389 | 2,855 | 296,703 | 76,756 | 7,276 | 7,811 |
| Hawaii | 3 | 2 | 7,844 | 1,717 | 118,116 | 139,040 |
| Nevada | 905 | 301 | 4,508 | 937 | 2,105 | 1,261 |
| Oregon | 1,694 | _ | 42,647 | 6,741 | 5,058 | 239 |
| Washington | 646 | 131 | 30,165 | 8,797 | 513 | 538 |

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| Destination | Railroad | | Vessel Bunkering | | On-Highway | |
|----------------------|------------------|-------------------|------------------|--------------|----------------------|----------------------|
| | R2002 | 2003 | R 2002 | 2003 | 2002 | 2003 |
| U.S. Total | 3,061,280 | 3,080,396 | 2,056,465 | 1,859,010 | 34,308,885 | 37,103,563 |
| PAD District 1 Total | 508,645 | 516.054 | 447,422 | 448,702 | 10,373,983 | 10,900,154 |
| Subdistrict 1A Total | 17,071 | 22,424 | 56,382 | 43,737 | 1,077,477 | 1,060,291 |
| Connecticut | 4,763 | 3,352 | 2,407 | 5,547 | 228,081 | 221,316 |
| Maine | 334 | 1,014 | 8,607 | 15,432 | 167,632 | 201,804 |
| Massachusetts | 11,862 | 17,845 | 35,866 | 15,191 | 398,217 | 409.242 |
| New Hampshire | 91 | 188 | 337 | 2,887 | 164,623 | 101.598 |
| Rhode Island | - - | - | 8,370 | 4,109 | 54,785 | 59,616 |
| Vermont | 22 | 26 | 793 | 4,109 571 | 64,139 | 66,715 |
| | | | | | , | , |
| Subdistrict 1B Total | 149,041 | 189,704 | 122,006 | 114,209 | 3,785,263 | 4,038,926 |
| Delaware | 833 | 1,139 | 590 | 645 | 62,154 | 63,366 |
| District of Columbia | 4,352 | 8,599 | 266 | 4 | 27,049 | 25,579 |
| Maryland | 1,243 | 16,715 | 11,177 | 10,886 | 501,802 | 509,305 |
| New Jersey | 29,570 | 18,741 | 79,254 | 74,587 | 833,183 | 867,588 |
| New York | 18,876 | 79,869 | 8,895 | 9,315 | 988,428 | 1,258,604 |
| Pennsylvania | 94,167 | 64,641 | 21,824 | 18,772 | 1,372,647 | 1,314,484 |
| Subdistrict 1C Total | 342,533 | 303,925 | 269,034 | 290,756 | 5,511,243 | 5,800,937 |
| Florida | 72,596 | 81,315 | 142,557 | 141,620 | 1,344,310 | 1,425,356 |
| Georgia | 113,719 | 100,512 | 22,168 | 15,970 | 1,313,424 | 1,425,552 |
| North Carolina | 82,253 | 59,307 | 9,986 | 3,403 | 976,151 | 1,034,884 |
| South Carolina | 11,759 | 5,256 | 19,641 | 35,704 | 634,567 | 629,129 |
| Virginia | 52,357 | 48,229 | 28,035 | 27,836 | 973,906 | 1,015,930 |
| West Virginia | 9,849 | 9,306 | 46,647 | 66,224 | 268,885 | 270,086 |
| PAD District 2 Total | 1,094,347 | 1,253,703 | 279,201 | 405,440 | 11,548,458 | 11,804,120 |
| Illinois | 104,587 | 201,438 | 46,318 | 53,813 | 1,137,642 | 1,402,713 |
| Indiana | 78,884 | 94,389 | 8,379 | 7,724 | 1,354,201 | 1,474,547 |
| lowa | 19,836 | 37,364 | 3,186 | 6,243 | 504,461 | 509,625 |
| Kansas | 64,248 | 76,448 | 1,273 | _ | 405,689 | 403,967 |
| Kentucky | 90,029 | 88,547 | 55,846 | 76,423 | 991,256 | 712,342 |
| Michigan | 23,866 | 13,787 | 4,915 | 8,427 | 939,587 | 977,042 |
| Minnesota | 52,164 | 54,465 | 3,726 | 3,492 | 649,613 | 642,015 |
| Missouri | 20,000 | 48,995 | 29,950 | 84,699 | 946,940 | 968,144 |
| Nebraska | 2,479 | 37,913 | | | 373,857 | 377,378 |
| North Dakota | 46,122 | 45,502 | _ | _ | 152,301 | 158,901 |
| Ohio | 165,601 | 184,043 | 5,072 | 7,524 | 1,498,239 | 1,512,124 |
| Oklahoma | 305,676 | 263,291 | 169 | 7,524 | 819,929 | 855,483 |
| South Dakota | 4,271 | 4,054 | 103 | <u>'</u> | 191,656 | 169,583 |
| Tennessee | 80,755 | 70,145 | 111,718 | 155,740 | 903,682 | 967,596 |
| Wisconsin | 35,828 | 33,322 | 8,649 | 1,349 | 679,405 | 672,660 |
| PAD District 3 Total | 848,151 | 982,229 | 1,049,051 | 903.191 | 5,945,268 | 5,991,419 |
| Alabama | 59,156 | 52,998 | 73,147 | 73,093 | 667,844 | 706,097 |
| Arkansas | 126,920 | 120,339 | 73,147 894 | 9,309 | 610,663 | 589,387 |
| Louisiana | , | 53.819 | 607,429 | 479.482 | | 673,766 |
| | 52,183 | , | , | -, - | 615,227 | , |
| Mississippi | 18,805 | 41,614 | 68,432 | 73,509 | 538,079 | 591,531 |
| New Mexico Texas | 9,987 581,101 | 15,744 697,715 | 299,149 | 267,798 | 419,853 3,093,602 | 439,259 2,991,379 |
| | , | , | , | , | 4 620 707 | 4 700 774 |
| PAD District 4 Total | 227,646 | 202,133 | 21 | 431 | 1,632,707 | 1,730,771 |
| Colorado | 35,922 | 48,704 | 10 | 429 | 544,627 | 577,265 |
| Idaho | 22,817 | 17,497 | 11 | 2 | 223,184 | 228,873 |
| Montana | 54,636 | 20,959 | _ | _ | 201,566 | 193,427 |
| Utah Wyoming | 29,089 85.183 | 30,136 84,836 | _ | _ | 353,215 310,115 | 350,491 380,715 |
| - | , | | | | 510,115 | |
| PAD District 5 Total | 382,491 | 126,277 | 280,770 | 101,246 | 4,808,469 | 6,677,099 |
| Alaska | 4,801 | 1,699 | 84,143 | 28,391 | 108,777 | 89,126 |
| Arizona | 12,642 | 4,629 | _ | _ | 642,850 | 730,271 |
| California | 243,861 | 73,307 | 56,778 | 16,760 | 2,703,680 | 4,478,284 |
| Hawaii | _ | _ | 76,542 | 36,188 | 38,122 | 36,631 |
| Nevada | 7,494 | 1,447 | 3 | 3 | 286,639 | 301,013 |
| Oregon | 62,985 | 20,973 | 13,040 | 3,515 | 458,057 | 448,164 |
| Washington | 50,707 | 24,222 | 50,264 | 16,391 | 570,344 | 593,610 |

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| Destination | | | | | Total | | |
|-----------------------|-------------|--------------|-----------|-----------------|--------------------|------------|--|
| . Total | R2002 | 2003 | R2002 | 2003 | R2002 | 2003 | |
| U.S. Total | 327,145 | 272,759 | 2,208,540 | 2,160,339 | 57,884,652 | 60,201,666 | |
| PAD District 1 Total | 63,174 | 95,839 | 648,572 | 774,785 | 20,781,348 | 22,336,020 | |
| Subdistrict 1A Total | 9,329 | 7,782 | 63,748 | 111,037 | 3,893,397 | 4,280,454 | |
| Connecticut | 788 | 1,137 | 11,675 | 14,150 | 913,412 | 1,054,509 | |
| Maine | 5,038 | 3,440 | 9,907 | 24,083 | 595,214 | 771,586 | |
| Massachusetts | 987 | 1,059 | 23,859 | 52,236 | 1,530,158 | 1,563,676 | |
| New Hampshire | 1,952 | 1,790 | 13,415 | 13,244 | 423,559 | 413,241 | |
| Rhode Island | 30 | 18 | 2,062 | 2,833 | 231,909 | 261,762 | |
| Vermont | 535 | 337 | 2,831 | 4,491 | 199,145 | 215,681 | |
| Subdistrict 1B Total | 20,872 | 37,543 | 197,319 | 196,186 | 8,590,018 | 9,220,521 | |
| Delaware | 366 | 114 | 3,099 | 3,320 | 146.654 | 147,497 | |
| District of Columbia | 2,109 | 2,513 | 2,604 | 3,529 | 82,824 | 78,643 | |
| Maryland | 7,180 | 9,068 | 32,196 | 37,773 | 894,572 | 926,854 | |
| New Jersey | 1,697 | 16,070 | 53,166 | 39,291 | 1,509,862 | 1,624,440 | |
| New York | 2,753 | 2,221 | 32,238 | 34,759 | 3,071,282 | 3,620,523 | |
| Pennsylvania | 6,767 | 7,557 | 74,016 | 77,515 | 2,884,822 | 2,822,564 | |
| Subdistrict 1C Total | 32,973 | 50,514 | 387,505 | 467,562 | 8,297,933 | 8,835,045 | |
| Florida | 5,381 | 3,891 | 110,057 | 170,952 | 2,089,412 | 2,273,351 | |
| Georgia | 3,223 | 4,636 | 84,512 | 88,812 | 1,770,187 | 1,859,551 | |
| North Carolina | 6,754 | 12,015 | 48,782 | 46.118 | 1,438,006 | 1,503,309 | |
| South Carolina | 1,971 | 2,048 | 59,337 | 49,197 | 819,633 | 828,146 | |
| Virginia | 15,410 | 27,749 | 70,123 | 94,842 | 1,558,939 | 1,825,898 | |
| West Virginia | 234 | 174 | 14,692 | 17,640 | 621,757 | 544,789 | |
| DAD District 2 Total | 0.050 | 40.045 | EE7 E00 | 675 924 | 46 970 000 | 47 452 720 | |
| PAD District 2 Total | 8,858 | 10,945 | 557,523 | 675,834 | 16,870,980 | 17,453,730 | |
| Illinois | 430 | 406 | 85,067 | 77,336 | 1,656,323 | 2,010,736 | |
| Indiana | 49 | 518 | 36,156 | 43,052 | 1,773,917 | 1,959,952 | |
| lowa | 1,974 | 321 | 24,134 | 20,140 | 811,400 | 785,065 | |
| Kansas | 170 | 798 | 17,238 | 17,480 | 674,784 | 705,839 | |
| Kentucky | 972 | 649 | 39,082 | 48,392 | 1,407,900 | 1,105,556 | |
| Michigan | 641 | 726 | 40,308 | 60,315 | 1,223,155 | 1,279,523 | |
| Minnesota | 219 | 576 | 50,376 | 68,271 | 1,021,567 | 1,049,792 | |
| Missouri | 1,206 | 2,709 | 71,751 | 74,795 | 1,232,981 | 1,340,721 | |
| Nebraska | 6 | 58 | 8,573 | 15,791 | 576,304 | 634,779 | |
| North Dakota | 352 | 813 | 10,444 | 6,366 | 331,579 | 345,700 | |
| Ohio | 1,492 | 808 | 50,036 | 84,038 | 2,117,951 | 2,215,894 | |
| Oklahoma | - | 1,300 | 29,256 | 44,694 | 1,283,399 | 1,274,359 | |
| South Dakota | 139 | 200 | 9,766 | 7,749 | 282,379 | 260,355 | |
| Tennessee | 138 | 107 | 32,872 | 48,591 | 1,245,027 | 1,392,253 | |
| Wisconsin | 1,069 | 959 | 52,466 | 58,823 | 1,232,316 | 1,093,207 | |
| PAD District 3 Total | 93,790 | 112,268 | 512,890 | 508,626 | 10,425,450 | 10,328,766 | |
| Alabama | 2,166 | 9,447 | 69,320 | 137,736 | 1,002,421 | 1,217,176 | |
| Arkansas | 668 | 483 | 53,046 | 34,278 | 975,406 | 996,057 | |
| Louisiana | 1,542 | 661 | 74,025 | 82,847 | 1,915,240 | 1,471,991 | |
| Mississippi | 7,882 | 4,711 | 49,996 | 67,501 | 815,203 | 881,212 | |
| New Mexico | 41 | 613 | 19,181 | 11,507 | 548,751 | 582,460 | |
| Texas | 81,490 | 96,353 | 247,322 | 174,757 | 5,168,430 | 5,179,870 | |
| PAD District 4 Total | 5,478 | 4,926 | 144,165 | 110,027 | 2,516,976 | 2,512,860 | |
| Colorado | 371 | 1,114 | 58,308 | 37,508 | 738,650 | 751,528 | |
| Idaho | 3,899 | 3,622 | 21,869 | 18,613 | 373,804 | 349,548 | |
| Montana | 9 | 37 | 15,952 | 13,521 | 341,141 | 321,392 | |
| Utah | 1,197 | 152 | 24,783 | 29,122 | 484,891 | 495,376 | |
| Wyoming | 2 | _ | 23,252 | 11,263 | 578,489 | 595,016 | |
| PAD District 5 Total | 155,846 | 48,782 | 345,390 | 91,067 | 7,289,898 | 7,570,290 | |
| Alaska | 6,279 | 3,142 | 10,991 | 3,305 | | 256,324 | |
| | 6,279 10 | 3,142 186 | 41,018 | 3,305 14,900 | 436,489 824,066 | 782,042 | |
| Arizona California | | | | | | | |
| | 47,538 | 12,722 | 170,514 | 32,945 | 3,663,119 | 4,737,273 | |
| Hawaii | 10,482 | 14,659 | 6,450 | 2,110 | 270,646 | 234,977 | |
| Nevada | 478 | 210 | 23,253 | 6,701 | 395,469 | 328,650 | |
| Oregon | 2,138 | 470 | 31,236 | 11,329 | 717,235 | 513,582 | |

Dashed (-) = No data reported. R = Revised.
Notes: • See "Technical Note 3" for further explanations on 2002 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 2002-2003 and "Petroleum Supply Annual," Volume 1, 2002-2003, (DOE/EIA-0340(02)/1 - (03)/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, 2002 and 2003

| | Comme | rcial | Indus | trial | Oil Com | pany | Electric | Power |
|----------------------|---------|------------------|-----------|-----------|--------------|--------|-----------|-----------|
| Destination | R2002 | 2003 | R2002 | 2003 | R2002 | 2003 | R2002 | 2003 |
| U.S. Total | 564,516 | 743,770 | 1,234,188 | 1,391,258 | 107,244 | 82,744 | 4,027,869 | 5,796,005 |
| PAD District 1 Total | 525,346 | 694,866 | 845,769 | 962,002 | 60,348 | 51,719 | 3,375,591 | 4,894,885 |
| Subdistrict 1A Total | 87,337 | 147,788 | 314,860 | 221,041 | 1,157 | 680 | 313,146 | 1,114,452 |
| Connecticut | 14,275 | 29,653 | 14,858 | 31,686 | 335 | 232 | 96,496 | 74,352 |
| Maine | 17,621 | 13,413 | 184,459 | 113,840 | 398 | 38 | 44,967 | 118,075 |
| Massachusetts | 28,566 | 76,207 | 76,616 | 40,767 | 423 | _ | 119.762 | 759,362 |
| New Hampshire | 5,485 | 6,453 | 21,947 | 16,171 | - | _ | 51,882 | 162,510 |
| Rhode Island | 16,021 | 15,697 | 11,095 | 12,654 | _ | 410 | 39 | 152 |
| Vermont | 5,371 | 6,366 | 5,885 | 5,924 | | 410 | _ | 102 |
| Subdistrict 1B Total | 427,418 | 519,332 | 143,274 | 178,361 | 58,701 | 50,603 | 769,546 | 1,386,866 |
| Delaware | 9,521 | 11,453 | 21,872 | 15,801 | 29,677 | 11.440 | 37,417 | 80,313 |
| | 2,812 | , | , | 24,307 | 583 | 641 | 100,300 | , |
| Maryland | 12,409 | 11,777 18,583 | 17,769 | 19,511 | 1,807 | 1,767 | 97,517 | 69,750 |
| New Jersey | , | | 11,168 | | , | , | | 144,116 |
| New York | 385,949 | 453,804 | 59,968 | 65,962 | 611 | 684 | 427,832 | 888,515 |
| Pennsylvania | 16,727 | 23,715 | 32,496 | 52,781 | 26,021 | 36,071 | 106,479 | 204,171 |
| Subdistrict 1C Total | 10,591 | 27,747 | 387,634 | 562,600 | 491 | 436 | 2,292,899 | 2,393,567 |
| Florida | 3,157 | 703 | 68,488 | 78,267 | _ | _ | 2,041,666 | 2,021,409 |
| Georgia | _ | 457 | 80,594 | 96,665 | _ | _ | 4,157 | 4,064 |
| North Carolina | 3,312 | 8,763 | 137,737 | 164,595 | 110 | 105 | _ | _ |
| South Carolina | 837 | 761 | 65,545 | 133,174 | 131 | 111 | _ | _ |
| Virginia | 3,286 | 17,063 | 30,247 | 87,797 | 251 | 220 | 247,076 | 368,095 |
| West Virginia | _ | _ | 5,023 | 2,101 | - | _ | _ | - |
| PAD District 2 Total | 35,125 | 43,512 | 157,361 | 189,362 | 14,614 | 11,387 | 78,454 | 174,929 |
| Illinois | 572 | 293 | 3,856 | 5,556 | _ | _ | 2,589 | 47,580 |
| Indiana | 30 | 2,668 | 7,622 | 13,133 | _ | _ | _ | _ |
| lowa | 91 | _ | 2,609 | 6,296 | _ | _ | _ | _ |
| Kansas | 385 | _ | 7,660 | 26,264 | _ | _ | 31,091 | 66,092 |
| Kentucky | _ | _ | 1,120 | 2,457 | 2,984 | 2,595 | _ | _ |
| Michigan | 2,850 | 3,799 | 12,469 | 26,764 | 2,792 | 3,233 | 40,943 | 52,350 |
| Minnesota | 8,694 | 14,379 | 19,445 | 23,173 | 4,125 | 2,482 | 2,536 | 4,009 |
| Missouri | 1,333 | 922 | 3,147 | 3,515 | , <u> </u> | · _ | 82 | · – |
| Nebraska | ´ _ | 605 | 5,486 | 5,323 | _ | _ | _ | _ |
| North Dakota | 4,195 | 4,215 | 168 | 1,799 | _ | _ | _ | _ |
| Ohio | 196 | 89 | 33,630 | 20,333 | 4,197 | 2,894 | 1,214 | 2,634 |
| Oklahoma | 452 | _ | 19,456 | 20,107 | 515 | _,-, | -, | 2,264 |
| South Dakota | 14 | _ | 4,601 | 1,800 | _ | 128 | _ | _, |
| Tennessee | | _ | 5,895 | 10,392 | _ | - | _ | _ |
| Wisconsin | 16,314 | 16,541 | 30,198 | 22,449 | _ | 54 | _ | - |
| PAD District 3 Total | 1,041 | 3,095 | 189,961 | 212,194 | 377 | 8 | 47,675 | 253,752 |
| Alabama | | - | 83,197 | 11,529 | - | _ | -11,010 | 200,102 |
| Arkansas | _ | _ | 2,063 | 7,910 | _ | _ | 2,971 | 12,998 |
| Louisiana | 13 | 2,999 | 58,468 | 120,102 | _ | _ | 44,145 | 94,419 |
| Mississippi | - | 2,333 | 5,369 | 6,811 | _ | 8 | 560 | 124,344 |
| New Mexico | _ | - | 5,818 | 6,591 | _ | O | 300 | 124,344 |
| Texas | 1,028 | _ | 35,045 | 59,252 | 377 | _ | _ | 21,991 |
| PAD District 4 Total | | 22 | 10,323 | 8,434 | 5,334 | 2,482 | _ | 231 |
| Idaho | _ | _ | 3,560 | 16 | 3,334 | 2,402 | _ | 231 |
| Montana | _ | 22 | 51 | 10 | 1,694 | 238 | _ | _ |
| | _ | | 392 | 2,859 | | 1,810 | _ | 231 |
| Utah Wyoming | _ | _ | 6,321 | 5,558 | 3,268 372 | 434 | _ | 231 |
| PAD District 5 Total | 3,004 | 2,274 | 30,774 | 19,266 | 26,571 | 17,148 | 526,148 | 472,209 |
| Alaska | - | _ | _ | | | , - | -, - | , |
| Arizona | _ | _ | 1,296 | - | | _ | _ | |
| California | _ | _ | 2,148 | 1,512 | 5,755 | 703 | 703 | 147 |
| Hawaii | 3 | _ | 277 | 61 | 19,562 | 15,246 | 521,877 | 471,208 |
| Nevada | _ | _ | 289 | _ | _ | 36 | 2,916 | _ |
| Oregon | 2,849 | 2,226 | 19,851 | 14,777 | 1,236 | 608 | 652 | 748 |
| Washington | 152 | 49 | 6,913 | 2,917 | 17 | 556 | _ | 106 |

See footnotes at end of table.

Table 17. Adjusted Sales of Residual Fuel Oil by Energy Use, 2002 and 2003 (Continued)

| Death of the | Vessel Bu | ınkering | Milita | ary | All Ot | her | То | tal |
|----------------------|---------------|--------------|---------------|---------|--------|-------|------------|-----------------------------|
| Destination | R 2002 | 2003 | R 2002 | 2003 | R2002 | 2003 | R2002 | 2003 |
| U.S. Total | 4,783,956 | 3,811,403 | 3,831 | 10,084 | 3,389 | 1,513 | 10,724,994 | 11,836,776 |
| PAD District 1 Total | 1,712,690 | 1,273,209 | 1,159 | 4,029 | 2,456 | 1,155 | 6,523,360 | 7,881,865 |
| Subdistrict 1A Total | 50,768 | 512 | 251 | , _ | 260 | 246 | 767,780 | 1,484,718 |
| Connecticut | - | 92 | 48 | _ | 260 | 246 | 126,272 | 136,260 |
| Maine | 36,983 | 106 | 8 | _ | | | 284,436 | 245,471 |
| Massachusetts | 13,786 | 315 | 195 | _ | _ | _ | 239,348 | 876,651 |
| New Hampshire | 15,700 | - | - | | _ | _ | 79,313 | 185,133 |
| Rhode Island | _ | _ | _ | _ | _ | _ | 27,155 | 28,913 |
| Vermont | | _ | _ | | _ | _ | 11,255 | 12,289 |
| Subdistrict 1B Total | 1,022,758 | 877,677 | 391 | 1,104 | _ | _ | 2,422,088 | , |
| Delaware | 51,901 | 41,859 | 331 | 1,104 | _ | _ | 150,389 | 3,013,942 160,865 |
| | 30,868 | , | _ | _ | _ | _ | , | , |
| Maryland | , | 17,014 | | 225 | _ | | 152,333 | 123,489 |
| New Jersey | 641,977 | 502,177 | 235 | 335 | _ | _ | 765,113 | 686,488 |
| New York | 170,159 | 192,881 | 455 | 700 | _ | _ | 1,044,520 | 1,601,847 |
| Pennsylvania | 127,853 | 123,746 | 155 | 769 | - | _ | 309,732 | 441,252 |
| Subdistrict 1C Total | 639,163 | 395,020 | 518 | 2,925 | 2,196 | 909 | 3,333,492 | 3,383,204 |
| Florida | 464,201 | 190,404 | _ | _ | 2,196 | 909 | 2,579,707 | 2,291,692 |
| Georgia | 79,811 | 83,791 | _ | _ | _ | _ | 164,562 | 184,976 |
| North Carolina | 35,485 | 32,892 | _ | _ | _ | _ | 176,644 | 206,355 |
| South Carolina | 22,936 | 24,978 | _ | _ | _ | _ | 89,448 | 159,024 |
| Virginia | 36,730 | 62,956 | 518 | 2,925 | _ | _ | 318,108 | 539,056 |
| West Virginia | _ | _ | _ | _ | _ | _ | 5,023 | 2,101 |
| PAD District 2 Total | 31,006 | 16,789 | 2,671 | 4,888 | 165 | 45 | 319,397 | 440,911 |
| Illinois | 952 | 469 | 2,346 | 4,567 | 11 | _ | 10,327 | 58,465 |
| Indiana | 10,933 | 3,237 | _ | _ | _ | _ | 18,585 | 19,039 |
| lowa | - | -, | _ | _ | 57 | 2 | 2,757 | 6,298 |
| Kansas | _ | _ | 325 | 321 | 9 | _ | 39,471 | 92,677 |
| Kentucky | 69 | 132 | _ | _ | _ | _ | 4,174 | 5,184 |
| Michigan | 2,102 | 8,318 | _ | _ | 28 | _ | 61,185 | 94,465 |
| Minnesota | 11,633 | 2,955 | _ | _ | 3 | _ | 46,436 | 46,998 |
| Missouri | 453 | 539 | _ | _ | _ | _ | 5,015 | 4,976 |
| Nebraska | - | _ | _ | _ | 12 | 15 | 5,497 | 5,943 |
| North Dakota | _ | _ | _ | _ | - | - | 4,363 | 6,014 |
| Ohio | 4,556 | 689 | _ | _ | 45 | 28 | 43,837 | 26,668 |
| Oklahoma | 1,000 | _ | _ | _ | - | _ | 20,423 | 22,371 |
| South Dakota | _ | _ | _ | _ | _ | _ | 4,615 | 1,928 |
| Tennessee | 125 | 346 | _ | _ | _ | _ | 6,019 | 10,737 |
| Wisconsin | 183 | 105 | _ | _ | _ | _ | 46,694 | 39,149 |
| | | | | | | | | |
| PAD District 3 Total | 1,326,694 | 1,184,574 | - | - | 24 | 295 | 1,565,772 | 1,653,919 |
| Alabama | 94,218 | 42,519 | _ | _ | _ | _ | 177,415 | 54,047 |
| Arkansas | - | - | _ | _ | _ | _ | 5,033 | 20,908 |
| Louisiana | 462,534 | 406,911 | _ | _ | _ | 6 | 565,161 | 624,437 |
| Mississippi | 54,453 | 34,549 | _ | _ | | 274 | 60,383 | 166,082 |
| New Mexico | - | - | _ | _ | 24 | 15 | 5,843 | 6,606 |
| Texas | 715,488 | 700,596 | _ | _ | _ | _ | 751,938 | 781,839 |
| PAD District 4 Total | _ | _ | _ | _ | 19 | 17 | 15,676 | 11,186 |
| Idaho | _ | _ | _ | _ | _ | _ | 3,560 | 16 |
| Montana | _ | _ | _ | _ | _ | _ | 1,744 | 261 |
| Utah | _ | _ | _ | _ | _ | _ | 3,660 | 4,899 |
| Wyoming | _ | _ | _ | _ | 19 | 17 | 6,712 | 6,009 |
| PAD District 5 Total | 1,713,566 | 1,336,831 | _ | 1,166 | 725 | _ | 2,300,788 | 1,848,895 |
| | | | - | 1,100 | 725 | _ | | |
| Alaska | 2,249 | 527 | _ | _ | _ | _ | 2,249 | 527 |
| Arizona | 4 057 075 | - | _ | - 4 405 | 705 | _ | 1,296 | - 005.010 |
| California | 1,357,975 | 981,783 | _ | 1,165 | 725 | _ | 1,367,307 | 985,310 |
| Hawaii | 63,914 | 38,451 | _ | _ | _ | _ | 605,633 | 524,966 |
| Nevada | - | - | _ | _ | _ | _ | 3,205 | 36 |
| Oregon | 54,249 | 64,124 | _ | - | _ | _ | 78,836 | 82,482 |
| Washington | 235,180 | 251,946 | _ | 1 | _ | _ | 242,263 | 255,575 |

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

Notes: • See Technical Note 3 for further explanations on 2002 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 2002-2003 and "Petroleum Supply Annual," Volume 1, 2002-2003, (DOE/EIA-0340(02)/1 - (03)/1). • See Technical Note 3 for further explanation of Electric Power.

Table 18. Adjusted Sales of Kerosene by Energy Use, 2002 and 2003

| Destination | Reside | ential | Comme | ercial | Indust | rial |
|----------------------|----------|----------|------------|--------------|----------|----------|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 |
| U.S. Total | 443,919 | 520,799 | 118,125 | 138,049 | 77,508 | 164,386 |
| PAD District 1 Total | 365,321 | 433,208 | 94,565 | 108,402 | 33,189 | 77,285 |
| Subdistrict 1A Total | 71,521 | 111,030 | 17,163 | 17,916 | 1,782 | 12,515 |
| Connecticut | 3,870 | 11,336 | 5,546 | 5,241 | 312 | 8,755 |
| Maine | 42.072 | 58.456 | 4.721 | 6,751 | 452 | 305 |
| Massachusetts | 5,342 | 10,235 | 2,459 | 3,008 | 244 | 356 |
| New Hampshire | 10,992 | 17,450 | 1,458 | 1,806 | 300 | 540 |
| Rhode Island | 1,421 | 1,952 | 2,308 | 216 | 5 | 4 |
| Vermont | 7,824 | 11,602 | 670 | 894 | 470 | 2,555 |
| Subdistrict 1B Total | 173,882 | 162,343 | 63,384 | 63,389 | 24,709 | 57,561 |
| Delaware | 2,749 | 3,675 | 187 | 313 | 11 | 11 |
| District of Columbia | 2,143 | 3,073 | 12 | 23 | 11 | 11 |
| | 12,803 | 16,978 | 7,194 | 8,207 | 1 677 | 748 |
| Maryland | , | , | , | , | 1,677 | |
| New Jersey | 5,986 | 5,806 | 18,983 | 10,362 | 12,000 | 18,444 |
| New York | 68,977 | 68,826 | 20,717 | 27,923 | 8,503 | 35,947 |
| Pennsylvania | 83,366 | 67,057 | 16,290 | 16,561 | 2,519 | 2,412 |
| Subdistrict 1C Total | 119,918 | 159,835 | 14,018 | 27,096 | 6,698 | 7,210 |
| Florida | 2,665 | 4,055 | 655 | 802 | 38 | 272 |
| Georgia | 3,394 | 2,791 | 1,974 | 1,999 | 493 | 1,837 |
| North Carolina | 51,351 | 75,027 | 3,978 | 11,310 | 2,416 | 265 |
| South Carolina | 12,221 | 15,817 | 1,022 | 920 | 2,458 | 3,039 |
| Virginia | 39,275 | 52,954 | 3,688 | 8,190 | 1,047 | 1,380 |
| West Virginia | 11,012 | 9,191 | 2,701 | 3,874 | 245 | 417 |
| PAD District 2 Total | 58,983 | 64,271 | 14,436 | 19,624 | 9,205 | 11,720 |
| Illinois | 5,981 | 4,449 | 1,560 | 1,536 | 1,530 | 1,909 |
| Indiana | 11,916 | 8,660 | 1,299 | 1,372 | 805 | 948 |
| lowa | 932 | 827 | 268 | 170 | 117 | 25 |
| Kansas | 402 | 460 | 229 | 207 | 106 | 41 |
| | 7,118 | 7,658 | 1,342 | 1,641 | 1,256 | 1,138 |
| Kentucky | 6,740 | 11,096 | 1,189 | 796 | , | 683 |
| Michigan | , | , | , | | 553 | |
| Minnesota | 682 | 763 | 915 | 603 | 42 | 120 |
| Missouri | 2,137 | 3,021 | 775 | 889 | 192 | 180 |
| Nebraska | 127 | 183 | 86 | 146 | 3 | 45 |
| North Dakota | 87 | 115 | 53 | 43 | 2 | 36 |
| Ohio | 13,808 | 15,504 | 3,892 | 8,532 | 3,243 | 4,669 |
| Oklahoma | 641 | 596 | 208 | 203 | 373 | 278 |
| South Dakota | 115 | 95 | 82 | 87 | 6 | 5 |
| Tennessee | 7,046 | 9,693 | 1,977 | 2,268 | 840 | 967 |
| Wisconsin | 1,250 | 1,152 | 560 | 1,132 | 139 | 679 |
| PAD District 3 Total | 3,508 | 4,557 | 4,278 | 4,964 | 33,641 | 73,410 |
| Alabama | 917 | 2,077 | 690 | 1,021 | 181 | 1,257 |
| Arkansas | 820 | 682 | 172 | 136 | 45 | 17 |
| Louisiana | 551 | 398 | 308 | 262 | 30,111 | 63,213 |
| Mississippi | 385 | 479 | 338 | 1,846 | 738 | 836 |
| New Mexico | 108 | 154 | 355 | 238 | 64 | 52 |
| Texas | 728 | 768 | 2,416 | 1,461 | 2,501 | 8,034 |
| DAD District 4 Total | eea. | 4.044 | CCE | 770 | 262 | 240 |
| PAD District 4 Total | 653 | 1,944 | 665 | 779 | 263 | 248 |
| Colorado | 377 | 1,482 | 401 | 434 | 60 | 55 |
| Idaho | 111 | 156 | 56 | 31 | 2 | 2 |
| Montana | 21 | 164 | 33 | 103 | 3 | 64 |
| Utah Wyoming | 97 46 | 94 48 | 148 26 | 196 16 | 192 5 | 121 7 |
| , , | | | | | | |
| PAD District 5 Total | 15,455 | 16,819 | 4,182 | 4,280 | 1,210 | 1,722 |
| Alaska | 1 | 632 | 9 | 14 | - | 1 |
| Arizona | 24 | 99 | 71 | 51 | 23 | 36 |
| California | 9,087 | 8,217 | 1,147 | 1,987 | 308 | 1,062 |
| Hawaii | _ | - | 1 | 2 | 3 | 4 |
| Nevada | 289 | 473 | 30 | 65 | 6 | 7 |
| Oregon | 4,602 | 3,173 | 1,952 | 953 | 759 | 486 |
| Washington | 1,451 | 4,224 | 972 | 1,208 | 110 | 126 |

See footnotes at end of table.

Table 18. Adjusted Sales of Kerosene by Energy Use, 2002 and 2003 (Continued)

| Destination | Farı | m | All O | ther | Tota | al |
|----------------------|------------|--------|--------------|-------|---------|---------|
| Destination | 2002 | 2003 | 2002 | 2003 | 2002 | 2003 |
| U.S. Total | 19,390 | 11,674 | 5,372 | 2,572 | 664,314 | 837,480 |
| PAD District 1 Total | 4,026 | 4,079 | 3,362 | 1,842 | 500,462 | 624,816 |
| Subdistrict 1A Total | 617 | 1,122 | 503 | 852 | 91,585 | 143,435 |
| Connecticut | 5 | 7 | 155 | 605 | 9,887 | 25,943 |
| Maine | 264 | 484 | 23 | 18 | 47,531 | 66,014 |
| Massachusetts | 9 | 12 | 135 | 7 | 8,188 | 13,618 |
| New Hampshire | 206 | 281 | 129 | 126 | 13,085 | 20,204 |
| Rhode Island | 200 | 201 | 19 | 5 | 3,753 | 2,177 |
| Vermont | 133 | 338 | 42 | 90 | 9,141 | 15,479 |
| | | | | | , | |
| Subdistrict 1B Total | 1,822 | 1,945 | 1,523 | 774 | 265,320 | 286,012 |
| Delaware | 20 | 133 | - | _ | 2,968 | 4,132 |
| District of Columbia | _ | _ | _ | _ | 12 | 24 |
| Maryland | 194 | 281 | 17 | 59 | 21,885 | 26,273 |
| New Jersey | 2 | 14 | 26 | 1 | 36,997 | 34,627 |
| New York | 670 | 1,118 | 831 | 338 | 99,698 | 134,153 |
| Pennsylvania | 937 | 400 | 649 | 376 | 103,761 | 86,805 |
| Subdistrict 1C Total | 1.587 | 1,012 | 1,335 | 216 | 143,557 | 195,369 |
| Florida | 6 | 29 | 23 | 116 | 3,387 | 5,274 |
| Georgia | 336 | 9 | 6 | 14 | 6,205 | 6,650 |
| 3 | | | | | , | , |
| North Carolina | 227 | 222 | 487 | 1 | 58,459 | 86,825 |
| South Carolina | 472 | 70 | 431 | 15 | 16,604 | 19,862 |
| Virginia | 518 | 648 | 384 | 59 | 44,911 | 63,231 |
| West Virginia | 29 | 33 | 4 | 10 | 13,991 | 13,526 |
| PAD District 2 Total | 13,238 | 5,535 | 1,010 | 370 | 96,872 | 101,521 |
| Illinois | 316 | 426 | 203 | 9 | 9,591 | 8,329 |
| Indiana | 6,354 | 555 | 64 | 39 | 20,437 | 11.574 |
| lowa | 862 | 504 | 29 | 12 | 2,208 | 1,538 |
| Kansas | 425 | 114 | 133 | - | 1,295 | 823 |
| | | | | | , | |
| Kentucky | 473 | 272 | 65 | 64 | 10,254 | 10,773 |
| Michigan | 234 | 207 | 22 | 4 | 8,739 | 12,786 |
| Minnesota | 192 | 361 | 86 | 48 | 1,917 | 1,894 |
| Missouri | 86 | 155 | 17 | 17 | 3,207 | 4,261 |
| Nebraska | 86 | 199 | 3 | 89 | 305 | 661 |
| North Dakota | 23 | 29 | 6 | _ | 170 | 224 |
| Ohio | 3,083 | 1,721 | 44 | 47 | 24,071 | 30,473 |
| Oklahoma | 82 | 121 | 7 | _ | 1,311 | 1,198 |
| South Dakota | 53 | 86 | 1 | _ | 257 | 273 |
| Tennessee | 71 | 426 | 62 | 39 | 9,995 | 13,393 |
| Wisconsin | 896 | 359 | 270 | - | 3,114 | 3,322 |
| | ••• | | | | | |
| PAD District 3 Total | 612 | 522 | 349 | 18 | 42,388 | 83,470 |
| Alabama | 8 | 13 | - | 1 | 1,796 | 4,368 |
| Arkansas | 154 | 65 | 15 | _ | 1,206 | 900 |
| Louisiana | 6 | 48 | 1 | _ | 30,977 | 63,921 |
| Mississippi | 16 | 176 | _ | _ | 1,477 | 3,337 |
| New Mexico | 61 | 26 | 140 | 17 | 728 | 486 |
| Texas | 367 | 194 | 193 | _ | 6,205 | 10,458 |
| DAD District 4 Total | EDE | 420 | 460 | 0 | 0 565 | 2 400 |
| PAD District 4 Total | 525 | 120 | 460 | 9 | 2,565 | 3,100 |
| Colorado | 108 | 65 | 273 | 4 | 1,220 | 2,040 |
| Idaho | 17 | 19 | 5 | 1 | 192 | 208 |
| Montana | 380 | _ | - | _ | 437 | 331 |
| Utah | 20 | 33 | 8 | 4 | 465 | 448 |
| Wyoming | 1 | 3 | 173 | _ | 251 | 74 |
| PAD District 5 Total | 989 | 1,418 | 192 | 334 | 22,027 | 24,573 |
| Alaska | _ | , - | _ | _ | 11 | 648 |
| Arizona | 1 | 1 | 1 | _ | 119 | 187 |
| California | 285 | 351 | 28 | 306 | 10,855 | 11,923 |
| Hawaii | 203 | - | _ | - | 5 | 7 |
| Nevada | 1 | 3 | _ | _ | 326 | 548 |
| | | | | | | |
| Oregon | 475 | 682 | 63 | 16 | 7,851 | 5,310 |
| Washington | 227 | 380 | 100 | 13 | 2,861 | 5,951 |

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 2002-2003 and "Petroleum Supply Annual," Volume 1, 2002-2003, (DOE/EIA-0340(02)/1 - (03)/1).

Table 19. Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2003 (Thousand Gallons)

| 5 | | Distillate Fuel Oil | | |
|----------------------|----------------|---------------------|-----------|----------------|
| Destination | No. 1 | No. 2 | Total | Kerosene |
| J.S. Total | 76,219 | 6,006,819 | 6,083,038 | 520,799 |
| PAD District 1 Total | 3,787 | 5,441,435 | 5,445,222 | 433,208 |
| Subdistrict 1A Total | 1,866 | 2,205,863 | 2,207,729 | 111,030 |
| Connecticut | - | 610,774 | 610,774 | 11,336 |
| Maine | 480 | 352,064 | 352,544 | 58,456 |
| Massachusetts | 607 | 805,930 | 806.537 | 10,235 |
| New Hampshire | 654 | 197,438 | 198,092 | 17,450 |
| • | | , | | , |
| Rhode Island | 41 | 147,882 | 147,923 | 1,952 |
| Vermont | 84 | 91,775 | 91,859 | 11,602 |
| Subdistrict 1B Total | 813 | 2,870,816 | 2,871,629 | 162,343 |
| Delaware | _ | 42,191 | 42,191 | 3,675 |
| District of Columbia | | 14,038 | 14,038 | 1 |
| Maryland | 125 | 164,319 | 164,444 | 16,978 |
| New Jersey | _ _ | 411,299 | 411,299 | 5,806 |
| New York | 396 | 1,350,918 | 1,351,314 | 68,826 |
| Pennsylvania | 292 | 888,050 | 888,342 | 67,057 |
| Subdistrict 1C Total | 1,108 | 364,755 | 365,863 | 159,835 |
| Florida | _ | 4,440 | 4,440 | 4,055 |
| Georgia | _ | 1,498 | 1,498 | 2,791 |
| North Carolina | _ | 118,456 | 118,456 | 75,027 |
| South Carolina | 107 | 17,142 | 17,249 | 15,817 |
| Virginia | 157 | 205,217 | 205,374 | 52,954 |
| West Virginia | 844 | 18,002 | 18,846 | 9,191 |
| PAD District 2 Total | 57,566 | 507,873 | 565,439 | 64,271 |
| Illinois | 1,294 | 8,487 | 9,781 | 4,449 |
| Indiana | 5,705 | 39,638 | 45,343 | 8,660 |
| lowa | 2,382 | 12,627 | 15,009 | 827 |
| Kansas | 149 | 563 | 712 | 460 |
| Kentucky | 797 | 18,501 | 19,298 | 7,658 |
| Michigan | 6,542 | 81,566 | 88,108 | 11,096 |
| Minnesota | 17,918 | 75,228 | 93,146 | 763 |
| Missouri | 1,449 | 6,506 | 7,955 | 3,021 |
| Nebraska | 1,080 | 2,373 | 3,453 | 183 |
| North Dakota | 3,543 | 16,412 | 19,955 | 115 |
| Ohio | 4,193 | 124,739 | 128,932 | 15,504 |
| Oklahoma | 7 | 30 | 37 | 596 |
| South Dakota | 3,259 | 8,867 | 12,126 | 95 |
| | 140 | 4,525 | 4,665 | 9,693 |
| TennesseeWisconsin | 9,110 | 107,810 | 116,920 | 1,152 |
| PAD District 3 Total | 74 | 804 | 878 | 4,557 |
| Alabama | - | 335 | 335 | 2,077 |
| Arkansas | 55 | 108 | 163 | 682 |
| Louisiana | - | 189 | 189 | 398 |
| Mississippi | _ | 45 | 45 | 479 |
| New Mexico | 19 | 118 | 137 | 154 |
| Texas | - | 10 | 10 | 768 |
| AD District 4 Total | 5,422 | 17,186 | 22.608 | 1,944 |
| Colorado | 196 | 214 | 410 | 1,482 |
| Idaho | 2,487 | 9,125 | 11,612 | 156 |
| Montana | 2,537 | 4,494 | 7,031 | 164 |
| Utah | 128 | 2,372 | 2,500 | 94 |
| Wyoming | 74 | 982 | 1,056 | 48 |
| PAD District 5 Total | 9,369 | 39,520 | 48,889 | 16,819 |
| Alaska | 7,704 | 9,542 | 17,246 | 632 |
| Arizona | 5 | 105 | 110 | 99 |
| California | 50 | 1,363 | 1,413 | 8,217 |
| Hawaii | - | 4 | 4 | |
| Nevada | 107 | 1,886 | 1,993 | 473 |
| Oregon | 636 | 9,915 | 10,551 | 3,173 |
| Washington | 867 | 16,706 | 17,573 | 3,173 4,224 |

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 2003 and "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/1).

Table 20. Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2003

| | | | Di | stillate Fuel O | il | | | | |
|------------------------|---------------------|-------------------|----------------------|-----------------------|-------------------|----------------|---------------------|------------------|-----------------|
| Destination | | | No. 2 D | istillate | | | | Residual | Kerosene |
| Destination | No. 1 Distillate | No. 2 Fuel Oil | Low Sulfur Diesel | High Sulfur Diesel | No. 2 Total | No. 4 Fuel | Total Distillate | Fuel Oil | Refuserie |
| U.S. Total | 45,334 | 1,651,626 | 787,563 | 497,295 | 2,936,484 | 196,107 | 3,177,925 | 743,770 | 138,049 |
| PAD District 1 Total | 13,607 | 1,518,624 | 327,869 | 247,012 | 2,093,505 | 195,764 | 2,302,877 | 694,866 | 108,402 |
| Subdistrict 1A Total | 1,504 | 556,050 | 50,589 | 27,051 | 633,689 | 27,744 | 662,938 | 147,788 | 17,916 |
| Connecticut | 1,018 | 112,248 | 20,095 | 1,215 | 133,558 | 4,958 | 139,533 | 29,653 | 5,241 |
| Maine | 18 | 125,963 | 10,683 | 8,973 | 145,618 | 878 | 146,515 | 13,413 | 6,751 |
| Massachusetts | _ | 187,663 | 6,396 | 12,461 | 206,520 | 15,802 | 222,322 | 76,207 | 3,008 |
| New Hampshire | 54 | 67,961 | 6,326 | 840 | 75,127 | 2,626 | 77,806 | 6,453 | 1,806 |
| Rhode Island | 406 | 33,845 | 2,667 | 98 | 36,609 | 2,122 | 39,137 | 15,697 | 216 |
| Vermont | 9 | 28,370 | 4,422 | 3,465 | 36,258 | 1,358 | 37,624 | 6,366 | 894 |
| Subdistrict 1B Total | 11,420 | 869,833 | 146,615 | 58,913 | 1,075,361 | 167,441 | 1,254,222 | 519,332 | 63,389 |
| Delaware | 51 | 8,632 | 159 | 2,480 | 11,271 | 381 | 11,703 | 11,453 | 313 |
| District of Columbia | 3 | 10,218 | 2,403 | 325 | 12,946 | 1,877 | 14,827 | 11 777 | 23 |
| Maryland | 935 122 | 60,445 103,157 | 17,990 6,958 | 8,721 4,125 | 87,155 114,240 | 1,019 7,484 | 89,110 121,846 | 11,777 18,583 | 8,207 10,362 |
| New Jersey New York | 7,909 | 514,090 | 77,791 | 16,059 | 607,940 | 150,625 | 766.473 | 453,804 | 27,923 |
| Pennsylvania | 2,400 | 173,292 | 41,314 | 27,204 | 241,810 | 6,055 | 250,264 | 23,715 | 16,561 |
| Subdistrict 1C Total | 683 | 92,741 | 130,665 | 161,048 | 384,455 | 578 | 385,717 | 27,747 | 27.096 |
| Florida | - | 4,110 | 56,978 | 45,086 | 106.174 | 78 | 106,251 | 703 | 802 |
| Georgia | _ | 2,296 | 19,535 | 14,640 | 36,471 | 70 | 36,471 | 457 | 1,999 |
| North Carolina | 6 | 28,659 | 22,156 | 33,794 | 84,609 | 234 | 84,849 | 8,763 | 11,310 |
| South Carolina | 288 | 5,306 | 6,597 | 11,198 | 23,100 | | 23,389 | 761 | 920 |
| Virginia | 365 | 48,339 | 22,221 | 54,586 | 125,146 | 233 | 125,744 | 17,063 | 8,190 |
| West Virginia | 25 | 4,031 | 3,178 | 1,745 | 8,954 | 34 | 9,013 | - | 3,874 |
| PAD District 2 Total | 20,384 | 119,392 | 226,323 | 138,251 | 483,966 | 336 | 504,686 | 43,512 | 19,624 |
| Illinois | 1,511 | 2,148 | 19,522 | 32,047 | 53,717 | - | 55,227 | 293 | 1,536 |
| Indiana | 2,768 | 24,673 | 26,318 | 12,951 | 63,942 | 161 | 66,871 | 2,668 | 1,372 |
| lowa | 1,183 | 12,233 | 10,471 | 3,017 | 25,721 | _ | 26,904 | _ | 170 |
| Kansas | 1,132 10 | 993 1,327 | 21,726 | 1,430 11,683 | 24,149 30,438 | _ | 25,281 30,448 | _ | 207 1,641 |
| Kentucky | 2,181 | 13,311 | 17,427 16,931 | 13,165 | 43,406 | 116 | 45,703 | 3,799 | 796 |
| Michigan Minnesota | 3,010 | 16,479 | 8,505 | 1,341 | 26,325 | - | 29,335 | 14,379 | 603 |
| Missouri | 372 | 2,391 | 24,177 | 5,491 | 32,059 | _ | 32,431 | 922 | 889 |
| Nebraska | 2,632 | 2,375 | 2,693 | 400 | 5,468 | 59 | 8,160 | 605 | 146 |
| North Dakota | 312 | 1,886 | 3,415 | 1,467 | 6,768 | - | 7,080 | 4,215 | 43 |
| Ohio | 1,002 | 16,594 | 22,862 | 29,248 | 68,705 | _ | 69,707 | 89 | 8,532 |
| Oklahoma | 18 | - 10,001 | 3,452 | 304 | 3,756 | _ | 3,774 | - | 203 |
| South Dakota | 871 | 2,087 | 1,580 | 509 | 4,176 | _ | 5,047 | _ | 87 |
| Tennessee | 484 | 1,372 | 22,333 | 18,217 | 41,922 | _ | 42,406 | _ | 2,268 |
| Wisconsin | 2,898 | 21,522 | 24,912 | 6,981 | 53,414 | - | 56,312 | 16,541 | 1,132 |
| PAD District 3 Total | 1,193 | 1,704 | 159,168 | 91,332 | 252,204 | - | 253,396 | 3,095 | 4,964 |
| Alabama | - | 747 | 31,471 | 15,953 | 48,172 | _ | 48,172 | _ | 1,021 |
| Arkansas | 127 | 72 | 6,816 | 25,813 | 32,700 | _ | 32,827 | - | 136 |
| Louisiana | 912 | 211 | 6,265 | 8,289 | 14,765 | _ | 15,677 | 2,999 | 262 |
| Mississippi | 454 | - | 13,908 | 5,734 | 19,642 | _ | 19,642 | 96 | 1,846 |
| New Mexico Texas | 154 - | 292 382 | 14,637 86,071 | 2,607 32,937 | 17,536 119,389 | _ | 17,690 119,389 | _ | 238 1,461 |
| PAD District 4 Total | 3,614 | 4,867 | 33,985 | 11,113 | 49,965 | _ | 53,579 | 22 | 779 |
| Colorado | 789 | 1,188 | 9,236 | 16 | 10,440 | _ | 11,229 | _ | 434 |
| Idaho | 375 | 767 | 7,384 | 2,469 | 10,619 | _ | 10,994 | _ | 31 |
| Montana | 605 | 2,069 | 3,025 | 502 | 5,597 | _ | 6,202 | 22 | 103 |
| Utah | 986 | 793 | 9,999 | 7,742 | 18,534 | _ | 19,520 | _ | 196 |
| Wyoming | 859 | 50 | 4,341 | 384 | 4,775 | - | 5,633 | - | 16 |
| PAD District 5 Total | 6,537 | 7,039 | 40,217 | 9,587 | 56,843 | 7 | 63,386 | 2,274 | 4,280 |
| Alaska | 5,816 | 2,751 | 963 | 1,383 | 5,096 | 6 | 10,919 | _ | 14 |
| Arizona | 12 | 100 | 5,517 | 123 | 5,740 | _ | 5,752 | _ | 51 |
| California | 6 | 857 | 19,410 | 771 | 21,038 | _ | 21,045 | _ | 1,987 |
| Hawaii | - | 11 | 2,342 | 956 | 3,309 | _ | 3,309 | - | 2 |
| Nevada | 236 | 404 | 2,609 | 36 | 3,049 | _ | 3,284 | - | 65 |
| Oregon | 71 | 1,419 | 3,093 | 1,617 | 6,129 | - | 6,200 | 2,226 | 953 |
| Washington | 396 | 1,497 | 6,284 | 4,701 | 12,482 | _ | 12,878 | 49 | 1,208 |

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 2003 and "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/1).

Table 21. Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2003

| | | | Di | stillate Fuel O | il | | | | |
|--------------------------|---------------------|-------------------|----------------------|-----------------------|------------------|----------------|---------------------|------------------|-----------------|
| Destination | | | No. 2 D | istillate | | | | Residual | Kerosene |
| 233 | No. 1 Distillate | No. 2 Fuel Oil | Low Sulfur Diesel | High Sulfur Diesel | No. 2 Total | No. 4 Fuel | Total Distillate | Fuel Oil | rtorogonio |
| U.S. Total | 29,742 | 379,138 | 654,605 | 932,033 | 1,965,776 | 33,373 | 2,028,891 | 1,391,258 | 164,386 |
| PAD District 1 Total | 1,563 | 245,201 | 95,181 | 384,816 | 725,197 | 26,369 | 753,129 | 962,002 | 77,285 |
| Subdistrict 1A Total | 462 | 77,561 | 9,469 | 7,106 | 94,136 | 10,379 | 104,976 | 221,041 | 12,515 |
| Connecticut | _ | 38,633 | 2,780 | 53 | 41,465 | 5,342 | 46,807 | 31,686 | 8,755 |
| Maine | 10 | 12,076 | 1,449 | 453 | 13,978 | 1,199 | 15,187 | 113,840 | 305 |
| Massachusetts | _ | 11,084 | 2,422 | 4,738 | 18,244 | 819 | 19,064 | 40,767 | 356 |
| New Hampshire | 448 | 6,667 | 1,381 | 1,340 | 9,388 | 571 | 10,407 | 16,171 | 540 |
| Rhode Island | - | 3,745 | 722 | _ | 4,467 | 1,585 | 6,052 | 12,654 | 4 |
| Vermont | 4 | 5,357 | 715 | 522 | 6,594 | 861 | 7,459 | 5,924 | 2,555 |
| Subdistrict 1B Total | 665 | 96,573 | 22,438 | 44,821 | 163,833 | 14,119 | 178,617 | 178,361 | 57,561 |
| Delaware | _ | 764 | 884 | 290 | 1,938 | 694 | 2,633 | 15,801 | 11 |
| District of Columbia | - | 23 | | 11 | 34 | 181 | 215 | 04.007 | 740 |
| Maryland | 664 | 15,580 | 3,538 | 3,182 | 22,300 | 228 5.520 | 23,192 | 24,307 | 748 |
| New Jersey | _ | 28,605 | 2,841 | 427 | 31,873 | 5,529 | 37,402 | 19,511 | 18,444 |
| New York Pennsylvania | _ | 27,295 24,307 | 5,318 9,856 | 3,598 37,314 | 36,212 71,477 | 4,826 2,660 | 41,038 74,137 | 65,962 52,781 | 35,947 2,412 |
| Subdistrict 1C Total | 436 | 71,066 | 63,273 | 37,314 332,888 | 467,228 | 1,871 | 469,536 | 562,600 | 7,210 |
| Florida | 42 | 2,685 | 26,886 | 60,553 | 90,124 | 101 | 90,267 | 78,267 | 272 |
| Georgia | 42 | 11,650 | 20,325 | 60,108 | 92,083 | 101 | 92,083 | 96,665 | 1,837 |
| North Carolina | _ | 15,399 | 5,616 | 31,094 | 52,109 | 697 | 52,806 | 164,595 | 265 |
| South Carolina | 2 | 7,287 | 844 | 16,368 | 24,498 | 509 | 25.009 | 133,174 | 3,039 |
| Virginia | 66 | 24,626 | 8,153 | 67,734 | 100,513 | 556 | 101,135 | 87,797 | 1,380 |
| West Virginia | 326 | 9,419 | 1,449 | 97,033 | 107,901 | 9 | 108,236 | 2,101 | 417 |
| PAD District 2 Total | 16,986 | 119,257 | 183,238 | 252,655 | 555,149 | 6,740 | 578,875 | 189,362 | 11,720 |
| Illinois | 3,478 | 9,058 | 15,367 | 22,567 | 46,992 | 3,325 | 53,795 | 5,556 | 1,909 |
| Indiana | 2,148 293 | 27,281 373 | 36,095 | 26,092 252 | 89,468 6,895 | 1,928 | 93,544 | 13,133 | 948 25 |
| lowa Kansas | 146 | 904 | 6,270 18,087 | 2,297 | 21,287 | 4 | 7,188 21,437 | 6,296 26,264 | 41 |
| Kentucky | 72 | 4,908 | 8,423 | 77,851 | 91,181 | 576 | 91,829 | 2,457 | 1,138 |
| Michigan | 600 | 3,816 | 3,157 | 13,867 | 20,840 | - | 21,441 | 26,764 | 683 |
| Minnesota | 4,190 | 25,199 | 13,229 | 888 | 39,316 | _ | 43,507 | 23,173 | 120 |
| Missouri | 1,573 | 1,463 | 16,378 | 12,328 | 30,169 | 6 | 31,748 | 3,515 | 180 |
| Nebraska | 135 | 710 | 1,361 | 4,066 | 6,137 | 30 | 6,302 | 5,323 | 45 |
| North Dakota | 1,793 | 1,409 | 4,608 | 5,494 | 11,511 | _ | 13,305 | 1,799 | 36 |
| Ohio | 262 | 20,994 | 16,949 | 34,196 | 72,138 | 453 | 72,853 | 20,333 | 4,669 |
| Oklahoma | 4 | 1,816 | 3,806 | 10,250 | 15,872 | _ | 15,876 | 20,107 | 278 |
| South Dakota | 134 | 418 | 2,400 | 2,594 | 5,412 | 4 | 5,550 | 1,800 | 5 |
| Tennessee | _ | 2,338 | 18,152 | 22,047 | 42,536 | 186 | 42,722 | 10,392 | 967 |
| Wisconsin | 2,157 | 18,571 | 18,957 | 17,866 | 55,393 | 229 | 57,779 | 22,449 | 679 |
| PAD District 3 Total | 444 | 7,800 | 173,004 | 259,475 | 440,279 | - | 440,723 | 212,194 | 73,410 |
| Alabama | | 590 192 | 32,032 | 110,347 | 142,969 | _ | 142,969 | 11,529 | 1,257 |
| Arkansas | 18 - | 192 | 4,425 11,449 | 17,362 11,583 | 21,979 23,032 | _ | 21,997 23,032 | 7,910 120.102 | 17 63,213 |
| Louisiana Mississippi | _ | _ | 3,921 | 22.619 | 26,540 | _ | 26,540 | 6,811 | 836 |
| New Mexico | 426 | 140 | 26,648 | 4,670 | 31.458 | | 31,885 | 6,591 | 52 |
| Texas | - | 6,878 | 94,528 | 92,894 | 194,301 | _ | 194,301 | 59,252 | 8,034 |
| PAD District 4 Total | 5,391 | 6,156 | 161,773 | 17,521 | 185,450 | _ | 190,841 | 8,434 | 248 |
| Colorado | 1,039 | 520 | 22,428 | 2,166 | 25,115 | _ | 26,153 | _ | 55 |
| Idaho | 812 | 1,020 | 6,382 | 6,117 | 13,519 | _ | 14,331 | 16 | 2 |
| Montana | 847 | 1,523 | 23,594 | 65 | 25,181 | _ | 26,028 | - | 64 |
| Utah Wyoming | 757 1,936 | 3,093 | 22,398 86,970 | 8,788 386 | 34,279 87,356 | _ | 35,037 89,292 | 2,859 5,558 | 121 7 |
| PAD District 5 Total | 5,359 | 724 | 41,410 | 17,566 | 59,700 | 264 | 65,323 | 19,266 | 1,722 |
| Alaska | 5,149 | 215 | 2,360 | 4,507 | 7,082 | _ | 12,230 | _ | 1 |
| Arizona | 139 | 120 | 11,387 | 3,721 | 15,228 | _ | 15,367 | _ | 36 |
| California | 32 | 8 | 13,089 | 246 | 13,343 | _ | 13,376 | 1,512 | 1,062 |
| Hawaii | _ | 88 | 530 | 700 | 1,318 | _ | 1,318 | 61 | 4 |
| Nevada | 25 | - | 8,008 | 3,204 | 11,212 | 264 | 11,501 | - | 7 |
| Oregon | 13 | 2 | 2,352 | 3,034 | 5,388 | _ | 5,401 | 14,777 | 486 |
| Washington | 1 | 290 | 3,685 | 2,155 | 6,130 | _ | 6,131 | 2,917 | 126 |

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 2003 and "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/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, 2003 (Thousand Gallons)

| | | Fa | rm | | Electric | Power | Oil Comp | oany Use |
|------------------------|------------------|---------------------|---------------------|-----------|------------------------|----------------------|------------------------|----------------------|
| Destination | Diesel | Other Distillate | Total Distillate | Kerosene | Distillate Fuel Oil | Residual Fuel Oil | Distillate Fuel Oil | Residual Fuel Oil |
| U.S. Total | 2,617,803 | 74,083 | 2,691,886 | 11,674 | 1,278,272 | 5,796,005 | 465,587 | 82,744 |
| PAD District 1 Total | 395,882 | 47,410 | 443,293 | 4,079 | 632,158 | 4,894,885 | 23,809 | 51,719 |
| Subdistrict 1A Total | 17,806 | 15,263 | 33,068 | 1,122 | 25,808 | 1,114,452 | 663 | 680 |
| Connecticut | 2,807 | 4,201 | 7,008 | 7 | 4,877 | 74,352 | 7 | 232 |
| Maine | 5,365 | 5,409 | 10,773 | 484 | 598 | 118,075 | 195 | 38 |
| Massachusetts | 4,047 | 621 | 4,668 | 12 | 15,511 | 759,362 | _ | _ |
| New Hampshire | 2,177 | 3,072 | 5,249 | 281 | 1,980 | 162,510 | _ | |
| Rhode Island | 62 | 18 | 81 | _ | 1,532 | 152 | 461 | 410 |
| Vermont | 3,347 | 1,942 | 5,289 | 338 | 1,310 | - | - | - |
| Subdistrict 1B Total | 82,170 | 23,558 | 105,729 | 1,945 | 220,627 | 1,386,866 | 13,127 | 50,603 |
| Delaware | 6,453 | 13 | 6,465 | 133 | 8,454 | 80,313 | 7,467 | 11,440 |
| District of Columbia | - | _ | - | - | 9,339 | | _ | - |
| Maryland | 18,262 | 69 | 18,330 | 281 | 48,030 | 69,750 | - | 641 |
| New Jersey | 4,682 | 491 | 5,174 | 14 | 30,940 | 144,116 | 1,503 | 1,767 |
| New York | 27,011 | 15,357 | 42,369 | 1,118 | 34,559 | 888,515 | 2 | 684 |
| Pennsylvania | 25,763 | 7,628 | 33,391 | 400 | 89,305 | 204,171 | 4,156 | 36,071 |
| Subdistrict 1C Total | 295,906 | 8,589 | 304,495 | 1,012 | 385,722 103,450 | 2,393,567 | 10,018 | 436 |
| Florida | 145,770 | _ | 145,770 | 29 | 103,459 | 2,021,409 | 31 | _ |
| Georgia | 71,653 | 7 402 | 71,653 | 9 | 22,107 | 4,064 | 257 | 105 |
| North Carolina | 29,588 | 7,403 | 36,990 | 222 | 53,330 | _ | 1,151 | 105 |
| South CarolinaVirginia | 16,883 30,886 | 296 849 | 17,178 31,735 | 70 648 | 22,761 143,586 | 368,095 | 1,227 3,737 | 111 220 |
| West Virginia | 1,128 | 41 | 1,169 | 33 | 40,480 | 300,093 | 3,616 | - |
| PAD District 2 Total | 1,352,717 | 23,575 | 1,376,292 | 5,535 | 213,739 | 174,929 | 64,657 | 11,387 |
| Illinois | 144,338 | 1,510 | 145,848 | 426 | 10,322 | 47,580 | 58 | . – |
| Indiana | 113,612 | 2,229 | 115,841 | 555 | 18,125 | _ | _ | _ |
| lowa | 154,240 | 665 | 154,904 | 504 | 7,367 | _ | _ | _ |
| Kansas | 142,513 | 1,012 | 143,525 | 114 | 7,698 | 66,092 | 8,491 | _ |
| Kentucky | 27,060 | 46 | 27,106 | 272 | 9,253 | _ | 1,268 | 2,595 |
| Michigan | 41,106 | 1,082 | 42,187 | 207 | 21,092 | 52,350 | 696 | 3,233 |
| Minnesota | 101,961 | 3,013 | 104,975 | 361 | 10,012 | 4,009 | _ | 2,482 |
| Missouri | 82,290 | 71 | 82,361 | 155 | 6,769 | _ | 114 | _ |
| Nebraska | 181,746 | 811 | 182,556 | 199 | 3,167 | _ | 2 | _ |
| North Dakota | 83,776 | 2,398 | 86,174 | 29 | 2,247 | _ | 5,357 | _ |
| Ohio | 81,343 | 5,184 | 86,528 | 1,721 | 66,162 | 2,634 | 3,175 | 2,894 |
| Oklahoma | 39,625 | _ | 39,625 | 121 | 5,030 | 2,264 | 45,243 | _ |
| South Dakota | 52,490 | 1,847 | 54,338 | 86 | 1,709 | _ | _ | 128 |
| Tennessee | 26,351 | 478 | 26,829 | 426 | 33,414 | _ | 37 | _ |
| Wisconsin | 80,265 | 3,228 | 83,494 | 359 | 11,373 | - | 216 | 54 |
| PAD District 3 Total | 619,940 | 2,042 | 621,982 | 522 | 185,204 | 253,752 | 328,849 | 8 |
| Alabama | 28,344 | _ | 28,344 | 13 | 17,065 | _ | 920 | _ |
| Arkansas | 176,146 | _ | 176,146 | 65 | 8,342 | 12,998 | 2,788 | _ |
| Louisiana | 56,043 | _ | 56,043 | 48 | 10,874 | 94,419 | 75,600 | _ |
| Mississippi | 51,076 | 362 | 51,438 | 176 | 2,582 | 124,344 | 2,099 | 8 |
| New Mexico | 35,855 | 15 | 35,870 | 26 | 3,424 | _ | 26,332 | _ |
| Texas | 272,476 | 1,665 | 274,141 | 194 | 142,917 | 21,991 | 221,111 | _ |
| PAD District 4 Total | 148,944 | 1,024 | 149,969 | 120 | 12,796 | 231 | 34,780 | 2,482 |
| Colorado | 42,525 | 51 | 42,576 | 65 | 1,915 | _ | 4,224 | _ |
| Idaho | 43,716 | 278 | 43,994 | 19 | 10 | _ | · – | _ |
| Montana | 39,435 | 609 | 40,044 | _ | 3,611 | _ | 10,531 | 238 |
| Utah | 17,321 | 13 | 17,334 | 33 | 3,663 | 231 | 7,421 | 1,810 |
| Wyoming | 5,948 | 73 | 6,021 | 3 | 3,597 | - | 12,604 | 434 |
| PAD District 5 Total | 100,320 | 32 | 100,352 | 1,418 | 234,375 | 472,209 | 13,493 | 17,148 |
| Alaska | 13 | _ | 13 | - | 80,088 | _ | 10,165 | _ |
| Arizona | 5,390 | _ | 5,390 | 1 | 5,399 | - | 38 | - |
| California | 76,755 | 1 | 76,756 | 351 | 7,811 | 147 | 2,855 | 703 |
| Hawaii | 1,717 | _ | 1,717 | _ | 139,040 | 471,208 | 2 | 15,246 |
| Nevada | 937 | - | 937 | 3 | 1,261 | 7.40 | 301 | 36 |
| Oregon | 6,725 | 16 | 6,741 | 682 | 239 | 748 | 404 | 608 |
| Washington | 8,782 | 15 | 8,797 | 380 | 538 | 106 | 131 | 556 |

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 2003 and "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/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, 2003 (Thousand Gallons)

| - | Railroad Use | Vessel Bo | unkering | On-Highway Diesel | Total Transp | ortation Use |
|----------------------|------------------------|------------------------|----------------------|------------------------|------------------------|----------------------|
| Destination | Distillate Fuel Oil | Distillate Fuel Oil | Residual Fuel Oil | Distillate Fuel Oil | Distillate Fuel Oil | Residual Fuel Oil |
| U.S. Total | 3,080,396 | 1,859,010 | 3,811,403 | 37,103,563 | 42,042,969 | 3,811,403 |
| PAD District 1 Total | 516,054 | 448,702 | 1,273,209 | 10,900,154 | 11,864,910 | 1,273,209 |
| Subdistrict 1A Total | 22,424 | 43,737 | 512 | 1,060,291 | 1,126,453 | 512 |
| Connecticut | 3,352 | 5,547 | 92 | 221,316 | 230,215 | 92 |
| Maine | 1,014 | 15,432 | 106 | 201,804 | 218,250 | 106 |
| Massachusetts | 17,845 | 15,191 | 315 | 409,242 | 442,278 | 315 |
| New Hampshire | 188 | 2,887 | _ | 101,598 | 104,673 | _ |
| Rhode Island | _ | 4,109 | _ | 59,616 | 63,725 | _ |
| Vermont | 26 | 571 | _ | 66,715 | 67,312 | _ |
| Subdistrict 1B Total | 189,704 | 114,209 | 877,677 | 4,038,926 | 4,342,839 | 877,677 |
| Delaware | 1,139 | 645 | 41,859 | 63,366 | 65,150 | 41,859 |
| District of Columbia | 8,599 | 4 | _ | 25,579 | 34,182 | _ |
| Maryland | 16,715 | 10,886 | 17,014 | 509,305 | 536,907 | 17,014 |
| New Jersey | 18,741 | 74,587 | 502,177 | 867,588 | 960,916 | 502,177 |
| New York | 79,869 | 9,315 | 192,881 | 1,258,604 | 1,347,788 | 192,881 |
| Pennsylvania | 64,641 | 18,772 | 123,746 | 1,314,484 | 1,397,897 | 123,746 |
| Subdistrict 1C Total | 303,925 | 290,756 | 395,020 | 5,800,937 | 6,395,618 | 395,020 |
| Florida | 81,315 | 141,620 | 190,404 | 1,425,356 | 1,648,290 | 190,404 |
| Georgia | 100,512 | 15,970 | 83,791 | 1,425,552 | 1,542,034 | 83,791 |
| North Carolina | 59,307 | 3,403 | 32,892 | 1,034,884 | 1,097,594 | 32,892 |
| South Carolina | 5,256 | 35,704 | 24,978 | 629,129 | 670,088 | 24,978 |
| Virginia | 48,229 | 27,836 | 62,956 | 1,015,930 | 1,091,995 | 62,956 |
| West Virginia | 9,306 | 66,224 | _ | 270,086 | 345,616 | _ |
| PAD District 2 Total | 1,253,703 | 405,440 | 16,789 | 11,804,120 | 13,463,263 | 16,789 |
| Illinois | 201,438 | 53,813 | 469 | 1,402,713 | 1,657,964 | 469 |
| Indiana | 94,389 | 7,724 | 3,237 | 1,474,547 | 1,576,661 | 3,237 |
| lowa | 37,364 | 6,243 | _ | 509,625 | 553,232 | _ |
| Kansas | 76,448 | _ | _ | 403,967 | 480,415 | _ |
| Kentucky | 88,547 | 76,423 | 132 | 712,342 | 877,312 | 132 |
| Michigan | 13,787 | 8,427 | 8,318 | 977,042 | 999,255 | 8,318 |
| Minnesota | 54,465 | 3,492 | 2,955 | 642,015 | 699,971 | 2,955 |
| Missouri | 48,995 | 84,699 | 539 | 968,144 | 1,101,838 | 539 |
| Nebraska | 37,913 | _ | - | 377,378 | 415,291 | _ |
| North Dakota | 45,502 | - | - | 158,901 | 204,403 | . |
| Ohio | 184,043 | 7,524 | 689 | 1,512,124 | 1,703,691 | 689 |
| Oklahoma | 263,291 | 7 | _ | 855,483 | 1,118,781 | _ |
| South Dakota | 4,054 | | _ | 169,583 | 173,637 | |
| Tennessee | 70,145 | 155,740 | 346 | 967,596 | 1,193,481 | 346 |
| Wisconsin | 33,322 | 1,349 | 105 | 672,660 | 707,331 | 105 |
| PAD District 3 Total | 982,229 | 903,191 | 1,184,574 | 5,991,419 | 7,876,839 | 1,184,574 |
| Alabama | 52,998 | 73,093 | 42,519 | 706,097 | 832,188 | 42,519 |
| Arkansas | 120,339 | 9,309 | · – | 589,387 | 719,035 | _ |
| Louisiana | 53,819 | 479,482 | 406,911 | 673,766 | 1,207,067 | 406,911 |
| Mississippi | 41,614 | 73,509 | 34,549 | 591,531 | 706,654 | 34,549 |
| New Mexico | 15,744 | · - | · - | 439,259 | 455,003 | _ |
| Texas | 697,715 | 267,798 | 700,596 | 2,991,379 | 3,956,891 | 700,596 |
| PAD District 4 Total | 202,133 | 431 | _ | 1,730,771 | 1,933,335 | _ |
| Colorado | 48,704 | 429 | _ | 577,265 | 626,398 | _ |
| Idaho | 17,497 | 2 | _ | 228,873 | 246,372 | _ |
| Montana | 20,959 | _ | _ | 193,427 | 214,386 | _ |
| Utah | 30,136 | _ | _ | 350,491 | 380,627 | _ |
| Wyoming | 84,836 | _ | _ | 380,715 | 465,551 | _ |
| BAD District 5 Total | 40e 077 | 104 046 | 4 226 024 | 6 677 000 | 6 004 622 | 1 226 024 |
| PAD District 5 Total | 126,277 | 101,246 | 1,336,831 | 6,677,099 | 6,904,623 | 1,336,831 |
| Alaska | 1,699 | 28,391 | 527 | 89,126 730,271 | 119,215 | 527 |
| Arizona | 4,629 | 16.760 | 004 702 | 730,271 | 734,900 | 004 700 |
| California | 73,307 | 16,760 | 981,783 | 4,478,284 | 4,568,351 | 981,783 |
| Hawaii | 4 447 | 36,188 | 38,451 | 36,631 | 72,819 | 38,451 |
| Nevada | 1,447 | 3 | - 04 404 | 301,013 | 302,463 | - 04.404 |
| Oregon | 20,973 | 3,515 | 64,124 | 448,164 | 472,652 | 64,124 |
| Washington | 24,222 | 16,391 | 251,946 | 593,610 | 634,223 | 251,946 |

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 2003 and "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/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, 2003

| Destination | | Milit | ary | | | ff-Highway illate Fuel O | il | All C | Other |
|------------------------|-----------------|---------------------|---------------------|----------------------|------------------|-----------------------------|------------------|----------------------|----------|
| Destination | Diesel | Other Distillate | Total Distillate | Residual Fuel Oil | Construction | Other | Total | Residual Fuel Oil | Kerosene |
| U.S. Total | 232,247 | 40,513 | 272,759 | 10,084 | 1,817,915 | 342,423 | 2,160,339 | 1,513 | 2,572 |
| PAD District 1 Total | 59,564 | 36,275 | 95,839 | 4,029 | 662,649 | 112,136 | 774,785 | 1,155 | 1,842 |
| Subdistrict 1A Total | 3,601 | 4,181 | 7,782 | - | 90,683 | 20,354 | 111,037 | 246 | 852 |
| Connecticut | 175 | 962 | 1,137 | _ | 14,051 | 99 | 14,150 | 246 | 605 |
| Maine | 1,711 | 1,729 | 3,440 | _ | 11,665 | 12,418 | 24,083 | _ | 18 |
| Massachusetts | 906 | 153 | 1,059 | _ | 48,677 | 3,559 | 52,236 | _ | 7 |
| New Hampshire | 548 | 1,242 | 1,790 | _ | 10,429 | 2,815 | 13,244 | _ | 126 |
| Rhode Island | 17 | 1 | 18 | _ | 2,832 | 4 400 | 2,833 | _ | 5 |
| Vermont | 244 | 94 | 337 | 4 404 | 3,029 | 1,462 | 4,491 | _ | 90 |
| Subdistrict 1B Total | 20,920 | 16,623 | 37,543 | 1,104 | | 5,091 | 196,186 | | 774 |
| Delaware | 109 | 5 947 | 114 | _ | 3,252 | 68 | 3,320 | _ | _ |
| District of Columbia | 1,566 | | 2,513 9,068 | _ | 3,529 | | 3,529 37,773 | _ | - 59 |
| Maryland | 2,541 | 6,527 | , | 335 | 36,687 | 1,086 565 | , | _ | 1 |
| New Jersey New York | 13,807 1,105 | 2,263 | 16,070 2,221 | 333 | 38,726 34,087 | 672 | 39,291 34,759 | _ | 338 |
| Pennsylvania | 1,792 | 1,115 5,765 | 7,557 | 769 | 74,815 | 2,700 | 34,759 77,515 | _ | 376 |
| Subdistrict 1C Total | 35,043 | 15,471 | 50,514 | 2,925 | 380,870 | 86,692 | 467,562 | 909 | 216 |
| Florida | 3,769 | 122 | 3,891 | 2,925 | 157,401 | 13,551 | 170,952 | 909 | 116 |
| Georgia | 3,682 | 954 | 4,636 | _ | 60,611 | 28,202 | 88,812 | 505 | 14 |
| North Carolina | 1,820 | 10,196 | 12,015 | _ | 37,875 | 8,242 | 46,118 | _ | 1 |
| South Carolina | 1,951 | 97 | 2,048 | _ | 34,013 | 15,183 | 49,197 | _ | 15 |
| Virginia | 23,662 | 4,087 | 27,749 | 2,925 | 77,262 | 17,580 | 94.842 | _ | 59 |
| West Virginia | 160 | 14 | 174 | 2,020 | 13,707 | 3,933 | 17,640 | _ | 10 |
| Illinois | 403 | 3 | 406 | 4,567 | 74,980 | 2,356 | 77,336 | _ | 9 |
| Indiana | 414 | 104 | 518 | -,,,,,, | 39,110 | 3,942 | 43,052 | _ | 39 |
| lowa | 321 | - | 321 | _ | 17,310 | 2,830 | 20,140 | 2 | 12 |
| Kansas | 787 | 11 | 798 | 321 | 16,600 | 880 | 17,480 | _ | _ |
| Kentucky | 638 | 11 | 649 | _ | 39,320 | 9,072 | 48,392 | _ | 64 |
| Michigan | 696 | 30 | 726 | _ | 48,815 | 11,500 | 60,315 | _ | 4 |
| Minnesota | 187 | 389 | 576 | _ | 52,682 | 15,589 | 68,271 | _ | 48 |
| Missouri | 1,679 | 1,030 | 2,709 | _ | 68,351 | 6,444 | 74,795 | _ | 17 |
| Nebraska | 36 | 21 | 58 | _ | 13,740 | 2,051 | 15,791 | 15 | 89 |
| North Dakota | 790 | 23 | 813 | _ | 5,516 | 850 | 6,366 | _ | - |
| Ohio | 357 | 451 | 808 | _ | 81,488 | 2,550 | 84,038 | 28 | 47 |
| Oklahoma | 1,300 | _ | 1,300 | _ | 42,766 | 1,929 | 44,694 | - | - |
| South Dakota | 158 | 42 | 200 | _ | 6,748 | 1,000 | 7,749 | _ | _ |
| Tennessee | 85 | 21 | 107 | _ | 38,349 | 10,242 | 48,591 | _ | 39 |
| Wisconsin | 566 | 393 | 959 | - | 51,922 | 6,901 | 58,823 | _ | - |
| PAD District 3 Total | 111,913 | 355 | 112,268 | - | 398,664 | 109,962 | 508,626 | 295 | 18 |
| Alabama | 9,311 | 136 | 9,447 | _ | 104,855 | 32,881 | 137,736 | _ | 1 |
| Arkansas | 361 | 122 | 483 | _ | 10,363 | 23,915 | 34,278 | - | - |
| Louisiana | 661 | _ | 661 | _ | 62,901 | 19,946 | 82,847 | 6 | - |
| Mississippi | 4,672 | 40 | 4,711 | _ | 45,218 | 22,283 | 67,501 | 274 | _ |
| New Mexico | 613 | _ | 613 | _ | 10,189 | 1,319 | 11,507 | 15 | 17 |
| Texas | 96,296 | 58 | 96,353 | _ | 165,138 | 9,618 | 174,757 | _ | _ |
| PAD District 4 Total | 4,894 | 31 | 4,926 | _ | 85,127 | 24,900 | 110,027 | 17 | 9 |
| Colorado | 1,114 | _ | 1,114 | _ | 36,510 | 997 | 37,508 | _ | 4 |
| Idaho | 3,618 | 4 | 3,622 | _ | 7,148 | 11,465 | 18,613 | _ | 1 |
| Montana | 10 | 27 | 37 | _ | 7,688 | 5,832 | 13,521 | _ | _ |
| Utah | 152 | _ | 152 | _ | 24,327 | 4,795 | 29,122 | _ | 4 |
| Wyoming | - | _ | - | - | 9,452 | 1,811 | 11,263 | 17 | - |
| PAD District 5 Total | 47,460 | 1,321 | 48,782 | 1,166 | 73,777 | 17,290 | 91,067 | - | 334 |
| Alaska | 2,686 | 456 | 3,142 | _ | 2,886 | 420 | 3,305 | _ | _ |
| Arizona | 186 | _ | 186 | 1 165 | 14,111 | 788 | 14,900 | _ | 200 |
| California | 12,722 | _ | 12,722 | 1,165 | 30,413 | 2,532 | 32,945 | _ | 306 |
| Hawaii | 14,659 | _ | 14,659 | _ | 2,109 | 1 | 2,110 | _ | _ |
| Nevada | 210 | _ | 210 | - | 6,494 | 207 6 400 | 6,701 | _ | - 40 |
| Oregon | 470 16 528 | 965 | 470 17 303 | - 1 | 4,838 | 6,490 6,852 | 11,329 | _ | 16 |
| Washington | 16,528 | 865 | 17,393 | 1 | 12,926 | 6,852 | 19,778 | _ | 13 |

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 2003 and "Petroleum Supply Annual," Volume 1, 2003, (DOE/EIA-0340(03)/1).

Appendix A

Technical Notes

Appendix A

Technical Notes

Note 1: EIA-821: Annual Fuel Oil and Kerosene Sales Report, 2003

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 identified 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 2003 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:

$$\hat{V} = \sum_{h} N_{h} \left(\sum_{i} W_{h} + V_{h} \right) / \sum_{i} W_{h}$$

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_{h-i} = volume reported for unit i in stratum h W_{h-i} = weight attached to unit i in stratum h.

where: $W_{\rm h-i}$ 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 2003 EIA-821 data: distillate, 1.62 percent for railroad use to 22.28 percent for off-highway use; residual fuel oil, 0.04 percent for oil company use to 6.64 percent for electric power use; and kerosene, 1.05 percent for all other uses to 10.85 percent for residential use.

Collection Methods

The EIA-821 form was mailed in February 2004 to all companies selected for participation in the 2003 reference year survey. The completed form was due to EIA on April 9, 2004. A second request was sent by certified mail 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 preci-

sion 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 2001 survey. The coefficients of variation (CV) were estimated by:

$$C V(\hat{V}) = \frac{\sqrt{V A R(\hat{V})}}{\hat{V}}$$

where:

$$VAR(\hat{V}) = \sum_{h} n_{h} \left(1 - \frac{n_{h}}{N_{h}}\right) S_{h}^{2}$$

$$S_{h}^{2} = \frac{\sum_{i=1}^{n_{h}} W_{i}^{2} V_{i}^{2} + \overline{V}_{h}^{2} \sum_{i=1}^{n_{h}} W_{i}^{2} - 2 \overline{V}_{h}^{n_{h}} \sum_{i=1}^{n_{h}} W_{i}^{2} V_{i}}{n_{h} - 1}$$

$$\overline{V}_{h} = \frac{\sum_{i=1}^{n_{h}} W_{i} V_{i}}{\sum_{i=1}^{n_{h}} W_{i}}$$

 \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 2003 EIA-821 survey, the overall response rate (the number of submissions received, divided by the number of submissions solicited and expected, times 100) was 88.3 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 1998 through 2002 special fuels, more than 99 percent is diesel.

Tables 13 through 24:

The 2002 adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2002*. 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 2002*, the "Electric Power" information was still being collected and verified. Also in the *Fuel Oil and Kerosene Sales 2002*, the 2001 residual fuel oil U.S Total was revised. This was done because the residual fuel oil product supplied number was revised to include new export and import information. This revision was not republished in a *2001 PSA*, but is explained within the Front Matter section of the *2002 PSA*. See Electric Power below for further explanation on how the data are calculated.

Electric Power. National-level distillate and residual fuel oil sales for electric power use were calculated

Coefficients of Variation for Sales of Fuel Oil, 2003

| Geographic Area | Residential Distillate Fuel Oil | Non-Residential Retail Distillate Fuel Oil | Retail Residual Fuel Oil |
|------------------------|------------------------------------|--|-----------------------------|
| J.S. Average | 1.5 | 1.2 | 0.1 |
| PAD District 1 Average | 1.7 | 1.7 | 0.1 |
| Subdistrict 1A Average | 2.2 | 1.7 | 0.1 |
| Connecticut | 4.6 | 3.7 | 0.0 |
| Maine | 2.7 | 3.7 | 0.0 |
| | | | |
| Massachusetts | 4.6 | 3.4 | 0.1 |
| New Hampshire | 3.7 | 3.7 | 0.0 |
| Rhode Island | 3.4 | 2.4 | 0.0 |
| Vermont | 2.9 | 3.8 | 0.0 |
| Subdistrict 1B Average | 2.6 | 1.7 | 0.1 |
| Delaware | 2.8 | 2.5 | 0.0 |
| District of Columbia | 0.1 | 0.1 | 0.0 |
| Maryland | 3.2 | 2.0 | 0.0 |
| New Jersey | 5.7 | 5.0 | 0.1 |
| New York | 4.4 | 3.0 | 0.1 |
| Pennsylvania | 4.5 | 2.7 | 0.0 |
| , | | | |
| Subdistrict 1C Average | 3.6 | 2.9 | 0.1 |
| Florida | 4.9 | 3.2 | 0.0 |
| Georgia | 9.4 | 10.7 | 0.0 |
| North Carolina | 5.2 | 3.7 | 0.1 |
| South Carolina | 22.7 | 5.7 | 0.3 |
| Virginia | 5.2 | 2.6 | 0.0 |
| West Virginia | 5.6 | 2.9 | 0.0 |
| PAD District 2 Average | 2.1 | 1.2 | 1.1 |
| Illinois | 4.9 | 4.2 | 0.0 |
| Indiana | 6.9 | 3.6 | 0.0 |
| | | | |
| lowa | 6.7 | 4.0 | 0.1 |
| Kansas | 4.2 | 4.5 | 0.0 |
| Kentucky | 10.3 | 3.9 | 0.0 |
| Michigan | 4.0 | 3.5 | 5.0 |
| Minnesota | 4.4 | 4.0 | 0.1 |
| Missouri | 4.0 | 3.1 | 0.0 |
| Nebraska | 15.9 | 3.1 | 0.0 |
| North Dakota | 5.5 | 3.1 | 0.0 |
| Ohio | 6.1 | 5.4 | 0.0 |
| Oklahoma | 0.0 | 3.0 | 0.0 |
| | | | |
| South Dakota | 7.9 | 2.5 | 0.0 |
| Tennessee | 9.4 | 2.7 | 0.0 |
| Wisconsin | 4.7 | 3.1 | 0.0 |
| PAD District 3 Average | 4.5 | 3.9 | 0.0 |
| Alabama | 2.6 | 3.3 | 0.0 |
| Arkansas | 3.3 | 11.2 | 0.0 |
| Louisiana | 0.5 | 3.6 | 0.0 |
| Mississippi | 0.0 | 3.0 | 0.0 |
| New Mexico | 27.5 | 6.1 | 0.0 |
| Texas | 18.9 | 7.3 | 0.0 |
| 10/40 | 10.3 | 1.0 | 0.0 |
| PAD District 4 Average | 8.6 | 1.6 | 0.0 |
| Colorado | 0.1 | 2.8 | 0.0 |
| Idaho | 4.3 | 3.8 | 0.0 |
| Montana | 26.7 | 4.8 | 0.0 |
| Utah | | 2.6 | 0.0 |
| Wyoming | 1.3 2.5 | 3.6 | 0.0 |
| , | 2.0 | | |
| PAD District 5 Average | 2.9 | 5.8 | 0.3 |
| Alaska | 7.6 | 1.0 | 0.0 |
| Arizona | 0.0 | 2.3 | 0.0 |
| California | 8.3 | 13.2 | 0.0 |
| Hawaii | 0.0 | 0.0 | 0.0 |
| Nevada | 0.0 | 2.1 | 0.0 |
| Oregon | 3.7 | 3.9 | 5.7 |
| | | - | |

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 2003.

from annual aggregations of data collected on the EIA-906, "Power Plant Reprot." Form EIA-906 utility and nonutility, 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 2003 survey resulted in 660,716 thousand gallons of kerosene at the national level. The products supplied volume at the national level for kerosene was 837,480 thousand gallons. Hence, the adjustment factor at the national level for 2003 was 1.27.

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 2003 are as follows:

Distillate Fuel Oil

PAD District 1: .89
PAD District 2: .89
PAD District 3: 1.02
PAD District 4: .83
PAD District 5: .27

For Tables 13 through 24, total sales at the PAD district level equal the products supplied volumes as reported in the PSA, 1999 through 2003. For example, the 2003 survey yielded a volume for distillate residential use in PAD District 2 of 634,278 thousand gallons. The total distillate volume for PAD District 2 was 6,097,648 from the survey, after subtracting the volume coming from alternate sources. The product supplied total distillate volume for PAD District 2 was 5,436,871 after removing alternate source volume. Hence, the adjusted 2003 estimate of distillate for residential use in PAD District 2 was $(5,436,871/6,097,648) \times 634,278 = 565,440$. 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 electric utility use.

Volumes of residual fuel oil in Tables 13 through 24 were adjusted at the national level to equal the

products supplied estimate. The 2003 survey yielded 11,414,132 gallons of residual fuel oil, while the products supplied volume at the national level was 11,836,776 thousand gallons. Thus, the adjustment factor at the national level for 2003 was .98, 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:

- 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.

- 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 an is 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.

United States. The United States includes the 50 states and the District of Columbia.

Appendix B

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

Appendix B



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, flictitious, 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

| call 1-800-592-229 | | | | | | | | , | | | | |
|---|--|--|--|-------------------------------------|-----------------|------------|-----|---|--|----|------|--|
| | | Provide Correctio | ns to Company Name, Addr | ess, and Contact informa | tion in Items 1 | -8 | | | | | | |
| 1. Company Name 7 | | | | 7. Name of Contact Person | | | | | | | | |
| 2. | Street | 8. Contact Information a. Telephone Number | | | | | | | | | | |
| 3. P.O. Box / RFD | | | | b. Fax Number | | | | | | | | |
| 4. | 5. State 6. Zip Code | | | c. Email Address | | | | | | | | |
| 9. | Reference Year 1 | 0. Type of Report (0 | Check One) | 11. The Number of States for | | | | | | | | |
| | 2003 | Which You Are Reporting ssion | | | | | | | | | | |
| 12. | . Which of the following best | describes this firm a | at the end of 2003? | 13. Effective Date of Status Change | | | | | | | | |
| a. | | ☐ In operation - Sales include Skip to and complete items 22-2 | | | d Month Day | | | | | Ye | Year | |
| | petroleum products | Part II | | | | | | | | | | |
| b. | (1) □ Sold or Merged (2) □ Leased | that portion | tems 13 to 25, and Part II for of 2003 in which the firm was er your ownership and control | Subsidiary of / Agent for: | | | | | | | | |
| c. | □ Permanently ceased complete item 13, then skip to and complete items 22-25 and Part II for the portion of 2003 in which the firm was | | | s | | | | | | | | |
| | | active unde | eryourownership and control | 16. Contact's Telephone Number | | | | | | | | |
| d. | ☐ Subsidiary of anoth | | tems 13 to 25, and Part II for | | - | | - | | | | | |
| e. | ☐ Commissioned Age | | that portion of 2003 in which the firm was active under your ownership and contro | | | | | | | | | |
| ٥. | □ Commissioned Agent | | | 18. PO Box / RFD | | | | | | | | |
| f. | ☐ Not in petroleum business Skip to and complete items 22-25 | | 19. City | City 20. State 21. Zip Cor | | Code | ie | | | | | |
| PREPARED BY: Check appropriate box. If preparer is different from | | | | om contact person, c | omplete line | s 24 and 2 | 25. | | | | | |
| 22. Preparer same as contact person shown on label | | | | 23. Date | | | | | | | | |
| 24. Preparer's Name | | | | 25. Preparer's Telephone number | | | | | | | | |

Page 1

| Name | of Firm Reporting | | DOE ID Number | Reference Year 2003 | Page of | | | |
|-------------|---|----------|--|--------------------------|--------------------|--|--|--|
| PART | Γ II. TOTAL SALES DURING TH | IE REFER | ENCE YEAR. (READ | PAGES 2-4 OF INSTRUC | TIONS CAREFULLY) | | | |
| Line No. | Type of Fuel and Use | | States of | Destination (Enter STAND | ARD ABBREVIATIONS) | | | |
| | Sold directly to consumers for | Kero | sene (Report in Actual t | 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 Refine | ers: | | | | | | |
| 7 | Total Kerosene (Add Lines 1 thru 6) | | | | | | | |
| | Sold directly to consumers for | Distilla | te 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 1 | | | | | |
| 10 | No. 1 | | · · | | | | | |
| 11 | No. 2 Fuel Oil | | | | | | | |
| 12 | No. 2 Diesel ≤ .05% Sulfur, Low | | | | | | | |
| 13 | No. 2 Diesel > .05% Sulfur, High | | | | | | | |

14

15

16

18

19

20 21

22

No. 4

No. 1

No. 4

Railroad Use:

No. 2 Fuel Oil

Industrial Use (Manufacturing and Mining):

No. 2 Diesel ≤ .05% Sulfur, Low

No. 2 Diesel > .05% Sulfur, High

Oil Company Use (Drilling and Own Company Refining):

Vessel Bunkering (Shipping and Boating):

| EIA-821 | (12-03) | | | | | |
|---------|---|------------------------|-------------------------|-------------------|--|--|
| Name | of Firm Reporting | DOE ID Number | Reference Year 2003 | Page of | | |
| PART | II. TOTAL SALES DURING THE REFER | RENCE YEAR. (READ P. | AGES 2-4 OF INSTRUC | CTIONS CAREFULLY) | | |
| Line | States of Destination (Enter STANDARD ABBREVIATION) | | | | | |
| No. | Type of Fuel and Use | | | | | |
| | Distillate Fue | el OilContinued (Repo | rt 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 Galle | ons) | | |
| | Sold directly to consumers for | I | | | | |
| 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) | | | | | |

EIA-821 (12-03)

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

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