

# **Fuel Oil and Kerosene Sales 2007**

**December 2008**

**Energy Information Administration**  
Office of Oil and Gas  
U.S. Department of Energy  
Washington DC 20585

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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 2007* 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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World Wide Web Site: <http://www.eia.doe.gov>

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

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# Introduction

The *Fuel Oil and Kerosene Sales 2007* 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 2007*.

**NOTE:** The 2006 adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2006*. 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 14 through 26 are adjusted at the national level to equal published PSA products supplied estimates. Thus the kerosene figures in Tables 13 through 24 are identical to those shown in Tables 1 through 12.

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

- Some products are interchangeable (fungible) and may be supplied as one product and sold as another product. For example, kerosene, low sulfur kerosene type jet fuel, and low-sulfur No. 1 fuel oil can be used interchangeably.
- Products supplied into a PAD district may be blended prior to final sale. For example, residual fuel and No. 2 distillate may be blended and sold as No. 4 fuel oil or, in colder climates, kerosene maybe blended with distillate fuel oil and sold as heating oil.
- Geographic differences can be attributed to the transportation of product by truck or rail from the district of production. Inter-PAD district movements of products by these modes of transportation are not accounted for in Tables 13 through 24.
- Products maybe supplied into a PAD district but the final sale may cross PAD district boundaries. For example, a fuel oil dealer in Ohio (PAD District 2) may make retail sales into Pennsylvania (PAD District 1B) and/or West Virginia (PAD District 1C).
- Drawdowns or buildups in stocks will cause volumes supplied to differ from sales volumes.

# Highlights

## Sales of Fuel Oil and Kerosene in 2007

In 2007, overall sales of fuel oil and kerosene totaled more than 74.4 billion gallons, an increase of 1.5 percent above the level set in 2006, but still below the record of nearly 77.7 billion gallons set in 2005. Distillate sales increased by slightly more than one billion gallons, recovering from the downturn of the previous year to 63.2 billion gallons, the highest total since 2004. Residual fuel oil sales increased by more than 430 million gallons over the level attained in 2006. Nonetheless, because of the plunge in sales of more than 3 billion gallons that occurred in 2006, the 2007 total remained well below the level of sales achieved in 2005. Kerosene sales fell sharply for the second year in a row, dropping 40 percent to the lowest level in more than 25 years.

The sales of residual fuel oil in 2007 accounted for 14.4 percent of total sales, the second lowest share of total fuel oil and kerosene sales since EIA began collecting data. The relatively small increase in sales

of residual fuel oil, coupled with the drop in sales of kerosene, resulted in distillate fuel oil sales accounting for 85.0 percent of total sales. This exceeds the previous highest share of total sales set in 2006, when distillate sales accounted for 84.9 percent of total fuel oil and kerosene sales. Sales of kerosene made up just 0.7 percent of total sales, compared 1.1 percent in 2006.<sup>1</sup>

### Distillate Fuel Oil

In 2007, distillate sales increased, countering the downturn of the previous year and returning to the long-term trend of rising sales that has occurred in 12 of the past 15 years.<sup>2</sup> The increase of 1.02 billion gallons (1.6 percent) was one of the smallest increases of the past 15 years; nonetheless it represents nearly 90 percent of the average increase in distillate sales since 1990.<sup>3</sup> Although, sales of distillate fuels to the residential, construction, electric

**Table HL1. Volume Distribution of Distillate and Residual Fuel Oils, 2006 and 2007**

Energy Use	2007 Distillate		2006 Distillate		2007 Residual		2006 Residual	
	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share
Residential.....	5,142	8.1	4,985	8.0	—	—	—	—
Commercial.....	2,719	4.3	2,809	4.5	481	4.5	479	4.7
Industrial.....	2,467	3.9	2,464	4.0	1,187	11.1	1,452	14.1
Oil Company.....	775	1.2	637	1.0	44	0.4	65	0.6
Farm.....	3,203	5.1	3,261	5.2	—	—	—	—
Electric Power.....	670	1.1	656	1.1	2,647	24.7	2,506	24.4
Railroad.....	3,635	5.8	3,552	5.7	—	—	—	—
Vessel Bunkering.....	1,924	3.0	1,903	3.1	6,327	59.1	5,754	56.0
On-Highway.....	39,802	63.0	39,118	62.9	—	—	—	—
Military.....	363	0.6	329	0.5	18	0.2	12	0.1
Off-Highway.....	2,512	4.0	2,479	4.0	—	—	—	—
Other.....	0	0.0	0	0.0	3	0.0	6	0.1
<b>Total.....</b>	<b>63,211</b>		<b>62,192</b>		<b>10,706</b>		<b>10,274</b>	

**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 2003-2007. On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

<sup>1</sup>Numbers may not sum to 100 percent due to rounding.

<sup>2</sup>The drop of 972 million gallons was approximately 40 percent larger than the 588 million gallon fall in sales that took place in 2001 but only about 60 percent the size of the 1.6 billion gallon drop in 2004.

<sup>3</sup>The average increase during the period 1991-2007 was 1.12 billion gallons.

power and transportation energy use sectors increased, sales to commercial and farm energy use sectors, fell in comparison to the previous year.

Considerable growth in transportation dominated the increases in total distillate sales. Sales to transportation jumped by 786 million gallons, the growth was due to the increase of more than 683 million gallons in sales to the on-highway diesel energy use sector. Sales to the residential energy use sector also increased by 156.8 million gallons (3.2 percent) and sales to the oil company energy use sector increased 21.7 percent, a jump of 138.2 million gallons. Declining sales in the commercial and farm energy use sectors reflect at least in part warmer than normal winter conditions.

Despite higher energy prices in 2007, economic conditions as measured by Gross Domestic Product (GDP), a prime measure of the state of the economy, continued to improve. GDP measured in constant dollars grew at a rate of 2.2 percent, somewhat slower than 2006's increase of 2.6 percent. Spending on new construction in the commercial and industrial energy use sectors registered the largest increase in more than a decade (more than 19 percent), while spending on new housing decreased by 18 percent. Despite an increase in the production of durable goods of approximately 2.6 percent and an increase of 1.6 percent in manufacturing, the industrial utilization rate was essentially unchanged, increasing just 0.1 percent.<sup>4</sup> The unemployment rate was unchanged from 2006, remaining at 4.6 percent, the lowest rate since 2000.<sup>5</sup>

Unlike 2005 when Hurricanes Katrina and Rita brought significant damage to oil infrastructure and production facilities, there were no major weather-related problems during the year. Nonetheless, weather as always was a factor in shaping demand for distillate fuel. Although, the winter of 2007 was warmer than normal, it was cooler than in 2006 and helped boost sales to the residential home heating market. This particularly occurred in the New England and Middle Atlantic regions of the East

Coast, where heating oil sales are concentrated.<sup>6</sup> Distillate sales to the residential energy use sector increased by more than 215 million gallons while falling elsewhere in the country.

In addition, the summer of 2007 was both warmer than the previous year and considerably warmer than normal. Consequently, demand for distillate fuel to meet peak summer generation loads was somewhat higher than it had been in 2006.<sup>7</sup> Although sales at the national level increased by approximately 13.6 million gallons (2.1 percent), the increase was concentrated in the Midwest.

Weather always plays a significant role in agriculture, and at the national level, despite strong production figures for a number of important crops, distillate sales dropped in the farm energy use sector by 58.5 million gallons (1.8 percent). However, at the regional level results were mixed. Sales in the Midwest and Rocky Mountain portions of the country, stretching from the Gulf Coast through the farm belt, to the Great Lakes and West to the Rocky Mountain increased more than 70 million gallons. In the farm belt, the Midwest, sales were up by more than 31 million gallons. Sales increased by nearly 20 million gallons in both the Gulf Coast and Rocky Mountain as well. In the remainder of the country drought conditions adversely affected crops in both the West Coast and East Coast where sales dropped 97 million gallons and 20 million gallons respectively.

Among the leading crops, corn, wheat, and potatoes increased while soybeans and cotton production were lower than in 2006. Corn production boosted by the requirement to add ethanol to gasoline was "the second highest on record, behind 2004, while production is the largest on record as producers harvested the most corn acres for grain since 1933".<sup>8</sup>

Distillate sales for the oil company energy use sector surged, as higher energy prices spurred exploration and development activities, sales increased nationally by more than 20 percent. The number of drilling rigs

<sup>4</sup> *Economic Indicators*, April 2008, Washington D.C. U.S. Government Printing Office, p 17. (Industry production indexes, 2000 = 100).

<sup>5</sup> *Economic Indicators*, April 2008, p 12. (Note, data apply to persons age 16 and over.)

<sup>6</sup> The U.S. is divided into 5 Petroleum Administration for Defense Districts (PADD). PADD 1, East Coast, PADD 2, Midwest, PADD 3, Gulf Coast, PADD 4, Rocky Mountain, and PADD 5, West Coast. PADD 1 is broken into three subdistricts PADD 1A, New England, PADD 1B, Central Atlantic, and PADD 1C, Lower Atlantic.

<sup>7</sup> Smaller peaking units, especially older units are often combustion turbines (in some cases converted jet turbine engines that run on No 2 fuel oil). Such units are used in the winter when it is very cold, periods when interruptible contract provisions are triggered and some users of natural gas must switch to alternatives. It is also not unusual for distillate fuel to be used in such peaking units during the summer to meet peak cooling demand.

<sup>8</sup> Department of Agriculture, National Statistics Service, *Crop Production 2007 Summary*, January 2008, page 80.

in operation, as one measure of the increased activity, went up 7.3 percent over 2006.<sup>9</sup> Although, sales increased most in the Gulf Coast and Western regions where oil and gas production is concentrated, sales went up in all five regions for the first time in more than a decade.

The growth in transportation was led by the increase sales to the on-highway diesel energy use sector in all parts of the country with the exception of the Lower Atlantic. At the national level, distillate fuel sold to the railroad energy use sector increased by 82 million gallons. However, regionally sales increased only in the Gulf Coast, Rocky Mountain and West Coast. Sales of the final component of transportation for the vessel bunkering energy use sector were mixed at the regional level going up in the Midwest, West Coast and Central Atlantic, while declining in the Gulf Coast, New England and Lower Atlantic. Overall sales increased by nearly 21 million gallons.

In 2007, sales to the off-highway energy use sector increased by 33.8 million gallons, up approximately 1.4 percent. This reflects an increased volatility in this market segment where in 2006 sales plunged by 477 million gallons, but in 2005 sales increased by 208.6 million gallons accounting for nearly 25 percent of the overall increase in distillate sales. Sales increased only in the Midwest and Gulf Coast, 88.5 million gallons and 33.0 million gallons respectively.

Nationally, sales to the commercial energy use sector fell in most regions of the country dropping 90.1 million gallons (3.2 percent). Sales dropped in both the Central Atlantic and Lower Atlantic, falling 38.3 and 77.2 million gallons respectively. Sales also fell in the Midwest, Rocky Mountain, and West Coast. The only increases in sales took place in the New England and Gulf Coast. The sales increase in New England was at least in part the result of a winter that was nearly 12 percent colder than in 2006.

Sales of distillate fuel oil to the industrial energy use sector were essentially unchanged, despite a small increase in total industrial production of 1.6 percent, which at least to some extent offset a slight drop nationally in total energy consumption by 0.2 percent. Sales grew by just 3.2 million gallons (0.1 percent).<sup>10</sup> On a regional basis, sales of distillate were mixed, down in some regions and up in others. Although, overall sales decreased in the East Coast, sales increased in the Lower Atlantic, growing by 23.8 million gallons. Sales also increased in the

Midwest, Rocky Mountain and West Coast by 8 million gallons, 21 million gallons and 29 million gallons respectively. Sales in both the New England and Central Atlantic fell, dropping 2.3 million gallons and 45.5 million gallons respectively. In the Gulf Coast, sales also decreased, falling by 30.9 million gallons.

At the national level, for the second year in a row, distillate sales to the military energy use sector increased, going up by 35.3 million gallons (10.8 percent). On a regional basis, sales fell in the Midwest, Gulf Coast, Rocky Mountain and Lower Atlantic. The largest decline took place in the Gulf Coast where sales dropped 42.5 percent. Sales increased the most in the West Coast where they went up 43.4 percent.

### **Residual Fuel Oil**

Continued strong sales to the vessel bunkering and electric power energy use sectors pushed sales of residual fuel higher. Overall sales of residual fuel oil increased by nearly 433 million gallons (4.2 percent) over the level reached in 2006. Unlike 2006, when despite strong sales to the vessel bunker energy use sector sales of residual fuel oil fell precipitously. In 2007, sales declined in the industrial, oil company and all other energy use sectors. By far the largest increases in sales were to the vessel bunkering and electric power energy use sectors. Sales to the vessel bunker energy use sector jumped by 573 million gallons boosting sales to the highest total since 2000 (6.3 billion gallons). The next largest increase was 141 million gallons to the electric power energy use sector. There were also small increases in sales to the commercial and military energy use sectors up 2.2 million gallons and 5.7 million gallons respectively.

Over the past decade, overall sales of residual fuel oil have fallen by more than 14 percent. However, despite this downward trend, the period has been characterized by great volatility with precipitous swings in the volume of sales, particularly with respect to the electric power energy use sector. Beginning in 1998, annual sales have fallen by at least one billion gallons three times but have increased by at least one billion gallons four times. Sales fell by 1.4 billion gallons in 1999, 2.1 billion gallons in 2002, and 3.3 billion gallons in 2006. Sales increased by 1.8 billion gallons in 1998, 1.3 billion gallons in 2001, 1.7 billion gallons in 2003, and 1.1 billion gallons in 2005. This extreme

<sup>9</sup>Hughes Christensen, Rotary Rigs Running by State 2007, Monthly Averages, [http://files.shareholder.com/downloads/BHI/459516224x0x174957/871CD623-AD95-425D-BC66-93D6BFD80DFA/Monthly\\_Avg\\_1992-2007.xls](http://files.shareholder.com/downloads/BHI/459516224x0x174957/871CD623-AD95-425D-BC66-93D6BFD80DFA/Monthly_Avg_1992-2007.xls)

<sup>10</sup>EIA, *Monthly Energy Review*, May 2008, Table 2.1.

volatility is a reflection of changes in the electric power energy use sector, the pricing structure of both residual fuel oil and competing fuels, and weather conditions, as well as other factors affecting the production and sales of residual fuel in general.

For example, in 2005 prompted in part by the high price of natural gas and by supplier constrained natural gas availability, following the hurricane related damage to production and distribution facilities, there is some evidence that concern over the supply of natural gas for use in the generation of electricity led to an increased dependence on oil and less emphasis on natural gas in at least one region of the country.<sup>11</sup> However, in 2006, while the price of residual fuel to the electric power energy use sector increased by 12.9 percent the price of natural gas to the sector fell by 15.7 percent.<sup>12</sup> Consequently, rising prices coupled with lower price for a major competing fuel and the warmer than normal winter contributed to the very large drop of 3.3 billion gallons in 2006. In 2007, the cooler winter early in the year, helped boost sales and offset at least in part the rising prices particularly in November and December. In addition, although the price of residual fuel used by electric utilities in 2007 increased by 7.9 percent on an annual basis while the price of natural gas went up only by 2.3 percent, that compares to the situation in 2006 when residual fuel oil increased by 11.2 percent and natural gas prices dropped by 15.5 percent compared to 2005.<sup>13</sup> Consequently, sales to electric power sector increased by 5.6 percent compared to a drop of 56.5 percent in 2006.

For residual fuel oil, although the overall trend is down, fluctuations in the amount of fuel sold remain likely to occur whenever interruptible gas contracts take effect during the coldest winter periods and whenever price differentials make switching attractive. Fluctuations can occur either in the short-term or when prolonged higher prices of natural gas make fuel switching attractive for the relative few with the ability to switch.

<sup>11</sup>In October 2005, ISO New England approved the 2005 Regional System Plan that among other provisions called for the diversification of the fuel mix for the region, including the conversion of more than 1,000 megawatts of gas-only fired generation to dual fuel capability by the winter of 2009-2010. See ISO New England, 2005 Regional System Plan, October 20, 2005.

<sup>12</sup>EIA, *Monthly Energy Review*, May 2008, Table 9.1.

<sup>13</sup>EIA, *Monthly Energy Review*, May 2008, Table 9.10.

<sup>14</sup>It should be noted that the ability to increase production of light higher value products does not typically mean that refineries with upgraded processing capacity no longer possess the ability to produce heavier products such as residual fuel; rather, the economics involved dictate the production of the higher value products. Due to the divestiture of many electric power generation facilities, changes in fuel use and plant operations also contributed to the decline of residual fuel oil. For example, operators of these merchant plants blend fuels to achieve greater efficiency and to lower emissions of dirtier fuels (oil blended with natural gas and even oil and coal). When it is advantageous, the operators also may purchase power rather than generate electricity and re-sell the fuel.

Over the past few years, although the long-term trend toward lower sales of residual fuel continues to affect the market, with long-term high-priced natural gas, some industrial companies and particularly some utilities have switched some units to fuel oil on a longer term basis than simply reacting to seasonal price spikes. In addition, there is some evidence that there is concern regarding the increasing dependency on natural gas for the generation of electric power, which may lead to a greater degree of fuel diversification and provide some stimulation to the sale of residual fuel oil for the generation of electric power.

Nonetheless, the principle reasons for the decline in sales of residual fuel oil remain, 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 general and in the production of electric power in particular.<sup>14</sup>

### **Kerosene**

For the second year in a row, kerosene sales dropped sharply. Total sales of kerosene fell to 492.9 million gallons, plunging by 40 percent. The drop of 330 million gallons in 2007 combined with 247 million gallon loss in 2006 have reduced kerosene sales by 54 percent bringing them to the lowest total in more than 25 years. Sales of kerosene fell to all energy use sectors with the largest drop occurring in the residential energy use sector where sales fell by 166.2 million (33.8 percent).

Sales to the residential energy use sector fell without exception in all regions of the country with the largest declines occurring in the East Coast. Unlike 2006 when sales increased on the West Coast, sales there also fell dropping nearly 47 percent.

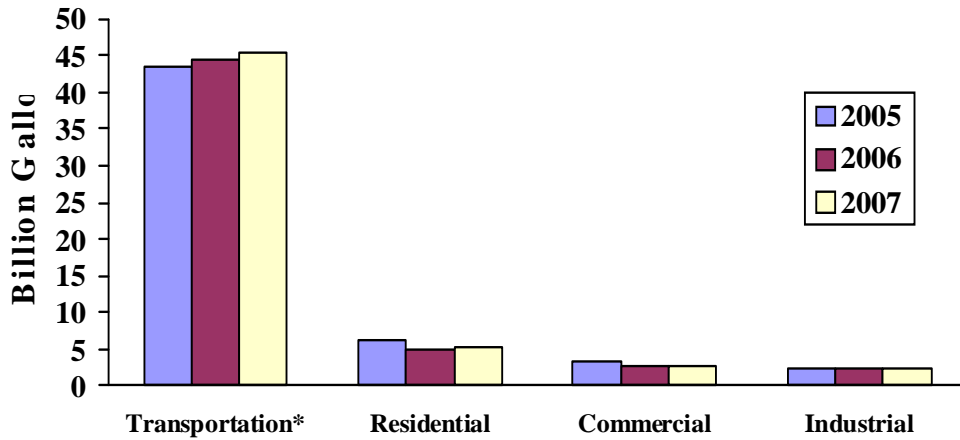


Sales to both the commercial and industrial energy use sectors also fell in all regions of the country dropping by 39.5 percent and 56.4 percent respectively. In the commercial energy use sector, the largest drop in sales occurred in the Central Atlantic where sales went down by 41.2 percent (17.4 million gallons). Nationally, sales to the industrial energy use sector dropped by 114.2 million gallons with the largest drop taking place in the Gulf Coast. There sales plunged 63.6 percent (74.5 million gallons).

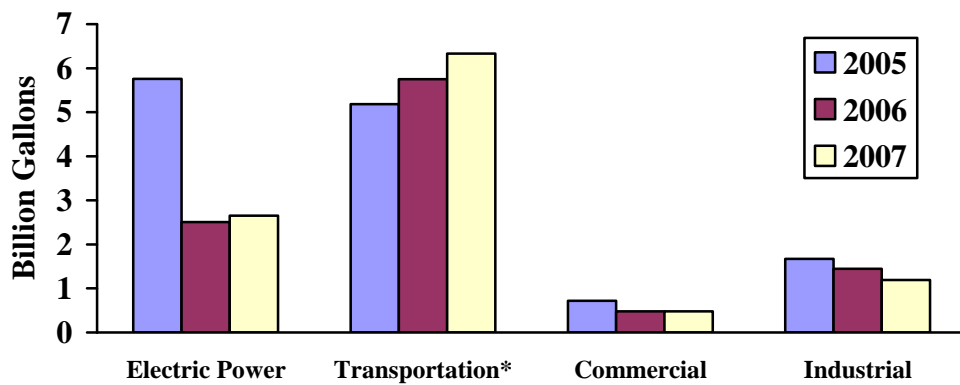
Sales to the farm energy use sector also fell in every region dropping by 36.7 percent nationally. The smallest decline on a percentage basis was in the Midwest where the principal farming states are located. Nonetheless, the drop in sales there of 17.4 percent (1.2 million gallons) equaled more than one fifth of the loss nationally.

Figure HL1. U.S. Sales of Distillate and Residual Fuel Oils by Energy Use, 2005-2007

### Distillate Fuel Oil



### Residual Fuel Oil

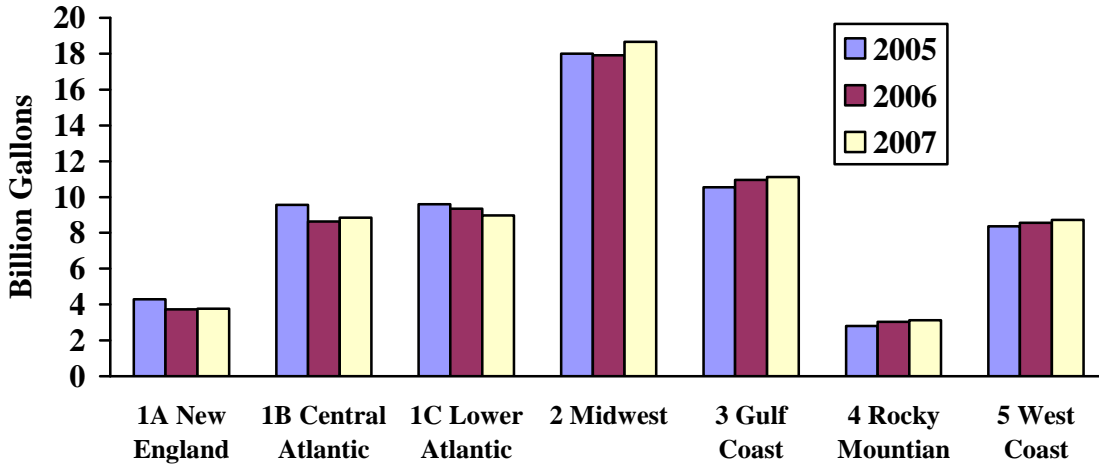


\*For distillate fuel oil, transportation use comprises railroad, vessel bunkering, and on-highway diesel energy use categories. For residual fuel oil, transportation use comprises vessel bunkering energy use category.

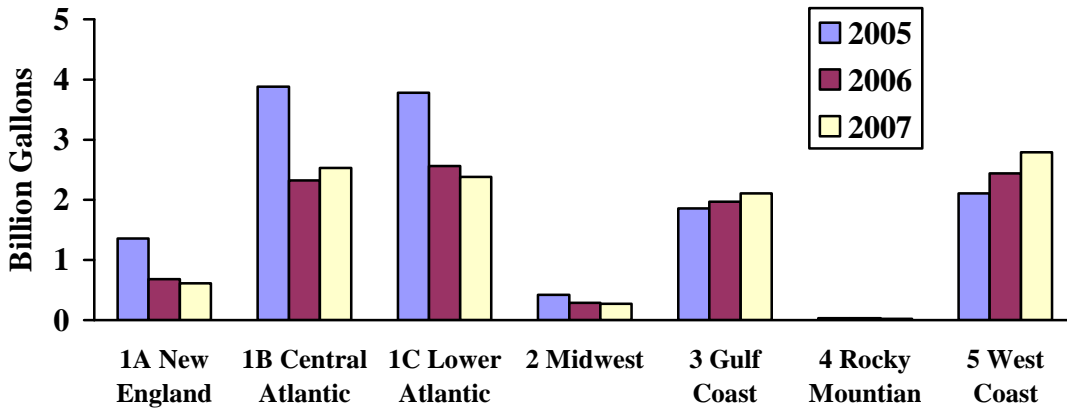
Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2005 and 2006.

**Figure HL2. Volume Distribution of Distillate and Residual Fuel Oils by PAD District, 2005-2007**

### Distillate Fuel Oil



### Residual Fuel Oil

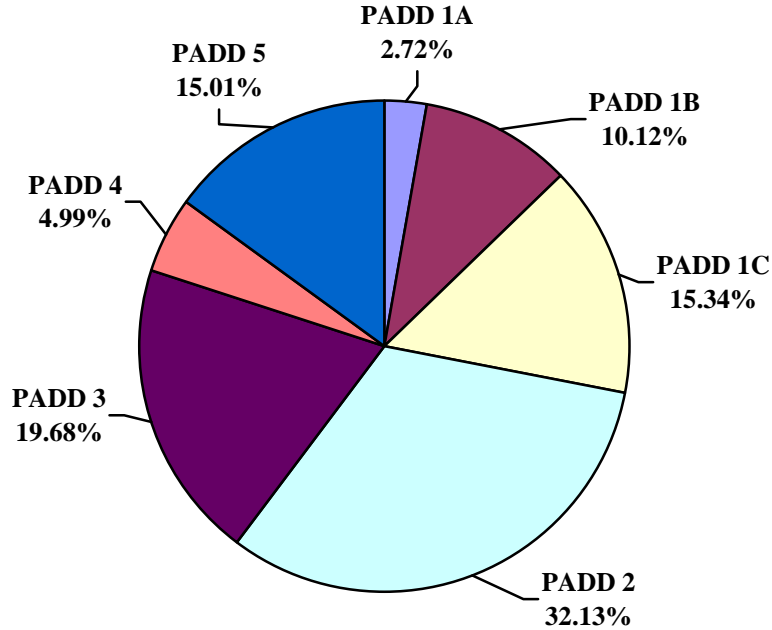


\*Residual fuel oil sales in PAD District 4 are too small to appear in the graph.

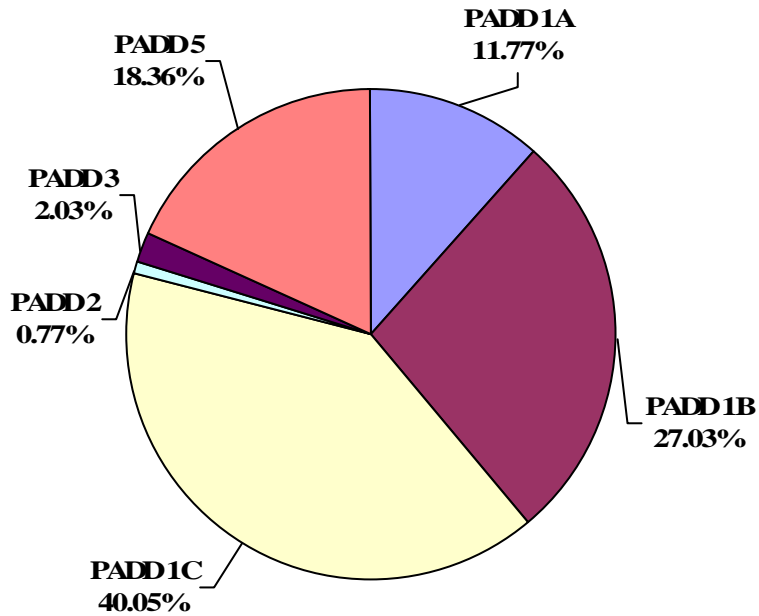
Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2005 and 2006.

**Figure HL3. Distillate and Residual Fuel Oil Sales for Selected Energy Use Categories by PADD District, 2007**

**Distillate: Transportation**



**Residual: Electric Power**



\*Residual fuel oil sales in PAD District 4 are too small to appear in the graph.  
 Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2006.

**Table 1. Sales of Distillate Fuel Oil by Energy Use in the United States: 2003-2007**  
(Thousand Gallons)

Energy Use	Distillate Fuel Oil				
	2003	2004	2005	2006	2007
<b>U.S. Total</b> .....	<b>63,854,776</b>	<b>62,257,934</b>	<b>63,164,569</b>	<b>62,192,027</b>	<b>63,210,781</b>
Residential .....	6,927,070	6,644,939	6,154,461	4,984,826	5,141,642
Commercial .....	3,686,537	3,383,061	3,224,216	2,808,786	2,718,674
Industrial .....	2,394,445	2,326,604	2,459,711	2,463,676	2,466,906
Oil Company .....	513,511	472,920	472,922	636,788	774,984
Farm .....	3,200,809	3,189,014	3,215,819	3,261,345	3,202,847
Electric Power .....	1,147,727	823,380	906,976	656,355	669,951
Railroad .....	3,656,657	3,047,491	3,447,630	3,552,430	3,634,512
Vessel Bunkering .....	2,216,921	2,139,643	2,005,564	1,903,138	1,923,981
On-Highway Diesel .....	37,103,563	37,125,239	38,053,129	39,118,301	39,801,744
Military .....	415,702	358,682	268,553	327,827	363,145
Off-Highway .....	2,591,833	2,746,960	2,955,589	2,478,554	2,512,394

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 2003-2007. • 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: 2003-2007**  
(Thousand Gallons)

Energy Use	Residual Fuel Oil				
	2003	2004	2005	2006	2007
<b>U.S. Total</b> .....	<b>11,412,833</b>	<b>11,794,362</b>	<b>13,442,165</b>	<b>10,273,631</b>	<b>10,706,479</b>
Commercial .....	755,956	781,944	720,361	479,124	481,368
Industrial .....	1,414,052	1,539,830	1,670,563	1,451,730	1,187,319
Oil Company .....	84,100	46,818	74,048	65,247	43,972
Electric Power .....	5,273,089	4,704,027	5,763,623	2,505,724	2,646,574
Vessel Bunkering .....	3,873,849	4,690,454	5,178,560	5,753,592	6,326,931
Military .....	10,249	30,286	29,638	12,005	17,719
All Other .....	1,538	1,004	5,373	6,209	2,595

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 2003-2007.

**Table 3. Sales of Kerosene by Energy Use in the United States: 2003-2007**  
(Thousand Gallons)

Energy Use	Kerosene				
	2003	2004	2005	2006	2007
<b>U.S. Total</b> .....	<b>837,480</b>	<b>988,680</b>	<b>1,070,160</b>	<b>822,990</b>	<b>492,702</b>
Residential .....	520,799	627,842	620,767	491,508	325,320
Commercial .....	138,049	151,811	159,943	112,392	67,960
Industrial .....	164,386	192,588	267,450	202,590	88,372
Farm .....	11,674	14,757	19,875	15,064	9,531
All Other .....	2,572	1,683	2,124	1,435	1,520

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 2003-2007 and the "Petroleum Supply Annual," Volume 1, 2003-2007, (DOE/EIA-0340(03)/1 - (07)/1).

**Table 4. Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>4,984,826</b>	<b>5,141,642</b>	<b>2,808,786</b>	<b>2,718,674</b>	<b>2,463,676</b>	<b>2,466,906</b>
<b>PAD District 1 Total</b> .....	<b>4,383,981</b>	<b>4,588,225</b>	<b>1,898,161</b>	<b>1,796,285</b>	<b>870,431</b>	<b>846,364</b>
<b>Subdistrict 1A Total</b> .....	<b>1,843,037</b>	<b>1,871,074</b>	<b>454,788</b>	<b>468,464</b>	<b>59,978</b>	<b>57,624</b>
Connecticut .....	525,807	537,757	111,141	107,555	14,669	13,312
Maine .....	303,024	299,181	106,326	120,883	14,836	16,275
Massachusetts .....	637,962	655,105	133,125	134,184	10,905	13,617
New Hampshire .....	172,786	167,819	46,232	45,883	8,272	5,618
Rhode Island .....	117,031	122,222	24,844	28,361	3,095	2,119
Vermont .....	86,426	88,989	33,120	31,598	8,201	6,683
<b>Subdistrict 1B Total</b> .....	<b>2,244,877</b>	<b>2,432,099</b>	<b>1,053,273</b>	<b>1,014,960</b>	<b>271,068</b>	<b>294,847</b>
Delaware .....	28,811	26,321	11,536	9,866	3,307	2,023
District of Columbia .....	7,453	8,450	14,210	12,537	-	43
Maryland .....	138,039	138,227	73,461	49,023	21,513	14,492
New Jersey .....	288,666	310,493	85,318	138,133	23,065	13,533
New York .....	1,092,698	1,241,652	636,199	602,467	62,565	55,449
Pennsylvania .....	689,212	706,956	232,550	202,934	160,618	209,307
<b>Subdistrict 1C Total</b> .....	<b>296,066</b>	<b>285,053</b>	<b>390,100</b>	<b>312,861</b>	<b>539,386</b>	<b>493,893</b>
Florida .....	3,428	2,078	152,182	95,117	91,007	69,245
Georgia .....	1,252	1,167	33,161	34,434	59,925	43,792
North Carolina .....	82,784	81,348	59,991	61,936	74,757	58,358
South Carolina .....	8,610	7,074	28,304	28,558	25,440	21,806
Virginia .....	184,482	179,774	109,758	86,146	108,411	120,505
West Virginia .....	15,511	13,612	6,705	6,670	179,846	180,188
<b>PAD District 2 Total</b> .....	<b>405,324</b>	<b>392,590</b>	<b>417,500</b>	<b>408,902</b>	<b>651,699</b>	<b>659,540</b>
Illinois .....	7,326	6,382	37,623	30,674	58,065	70,444
Indiana .....	25,004	19,667	54,678	41,092	100,812	82,027
Iowa .....	9,831	9,450	25,761	10,183	10,678	11,772
Kansas .....	121	95	11,835	10,996	9,726	11,236
Kentucky .....	10,387	10,121	30,542	27,247	141,102	141,726
Michigan .....	61,309	56,569	54,500	46,545	30,263	32,062
Minnesota .....	62,855	63,696	27,141	29,998	46,047	37,853
Missouri .....	6,152	5,897	17,730	15,195	27,955	32,626
Nebraska .....	4,145	2,171	7,703	7,793	3,816	5,056
North Dakota .....	18,823	19,370	6,096	6,605	26,438	20,462
Ohio .....	89,586	103,715	62,552	72,823	56,376	57,854
Oklahoma .....	39	1,244	11,895	19,505	15,315	10,418
South Dakota .....	8,945	7,291	6,442	9,285	4,299	16,183
Tennessee .....	4,365	5,239	26,513	39,285	45,447	45,094
Wisconsin .....	96,435	81,682	36,490	41,676	75,360	84,725
<b>PAD District 3 Total</b> .....	<b>865</b>	<b>863</b>	<b>199,510</b>	<b>236,506</b>	<b>388,693</b>	<b>357,802</b>
Alabama .....	379	344	62,495	52,166	123,451	106,365
Arkansas .....	106	129	3,781	3,718	34,072	20,854
Louisiana .....	233	217	14,108	25,227	24,426	27,537
Mississippi .....	7	12	8,174	46,890	13,323	15,206
New Mexico .....	127	150	12,288	7,798	39,471	34,612
Texas .....	13	11	98,664	100,706	153,950	153,228
<b>PAD District 4 Total</b> .....	<b>26,343</b>	<b>21,100</b>	<b>68,827</b>	<b>58,467</b>	<b>220,706</b>	<b>242,227</b>
Colorado .....	387	314	26,823	18,436	35,849	36,607
Idaho .....	15,229	10,233	11,650	10,609	14,821	16,961
Montana .....	8,005	8,116	8,768	7,207	24,365	42,205
Utah .....	1,180	1,157	17,805	18,633	40,463	42,642
Wyoming .....	1,543	1,280	3,781	3,581	105,208	103,812
<b>PAD District 5 Total</b> .....	<b>168,313</b>	<b>138,864</b>	<b>224,787</b>	<b>218,514</b>	<b>332,147</b>	<b>360,973</b>
Alaska .....	78,776	60,151	47,566	40,472	53,217	53,604
Arizona .....	143	93	18,695	26,423	87,355	91,248
California .....	6,252	3,953	60,386	75,638	50,822	56,739
Hawaii .....	135	132	15,976	11,619	2,919	4,230
Nevada .....	6,413	6,064	21,232	12,607	107,184	114,116
Oregon .....	26,471	23,014	19,437	19,438	18,130	18,645
Washington .....	50,123	45,457	41,496	32,317	12,521	22,392

See footnotes at end of table.



**Table 4. Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Power	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>636,788</b>	<b>774,984</b>	<b>3,261,345</b>	<b>3,202,847</b>	<b>656,355</b>	<b>669,951</b>
<b>PAD District 1 Total</b> .....	<b>25,808</b>	<b>31,154</b>	<b>402,229</b>	<b>370,159</b>	<b>292,216</b>	<b>276,242</b>
<b>Subdistrict 1A Total</b> .....	—	332	29,887	24,850	15,677	12,831
Connecticut .....	—	332	4,912	2,164	4,853	6,032
Maine .....	—	—	9,295	10,710	266	652
Massachusetts .....	—	—	5,174	3,474	8,385	2,473
New Hampshire .....	—	—	4,224	3,114	837	1,992
Rhode Island .....	—	—	328	87	1,107	1,505
Vermont .....	—	—	5,954	5,301	229	176
<b>Subdistrict 1B Total</b> .....	<b>12,051</b>	<b>14,850</b>	<b>115,407</b>	<b>102,108</b>	<b>140,511</b>	<b>132,685</b>
Delaware .....	3,580	7,100	6,001	5,839	4,194	2,166
District of Columbia .....	—	—	—	—	8,480	6,078
Maryland .....	—	—	18,225	13,739	18,842	30,879
New Jersey .....	378	—	4,935	2,602	31,736	24,095
New York .....	—	10	38,634	42,374	17,834	6,302
Pennsylvania .....	8,093	7,741	47,612	37,554	59,425	63,164
<b>Subdistrict 1C Total</b> .....	<b>13,758</b>	<b>15,972</b>	<b>256,935</b>	<b>243,200</b>	<b>136,028</b>	<b>130,726</b>
Florida .....	—	53	90,855	69,001	69,151	59,084
Georgia .....	206	188	77,470	68,672	6,995	1,557
North Carolina .....	—	153	35,029	49,930	17,626	22,223
South Carolina .....	—	329	19,158	20,374	13,129	10,901
Virginia .....	877	731	32,616	33,607	12,228	25,234
West Virginia .....	12,675	14,518	1,807	1,617	16,899	11,727
<b>PAD District 2 Total</b> .....	<b>109,428</b>	<b>121,086</b>	<b>1,578,862</b>	<b>1,610,145</b>	<b>140,577</b>	<b>194,185</b>
Illinois .....	17	79	183,201	176,343	13,371	16,302
Indiana .....	1,638	3,065	102,971	136,874	15,892	29,220
Iowa .....	—	—	153,832	156,614	12,372	20,112
Kansas .....	26,815	20,126	172,852	149,235	3,138	3,798
Kentucky .....	3,244	3,136	24,824	24,308	9,137	5,066
Michigan .....	1,668	1,997	44,126	48,251	20,002	19,502
Minnesota .....	610	756	112,698	115,871	5,184	13,338
Missouri .....	—	—	136,987	138,527	4,211	4,736
Nebraska .....	—	1,843	190,972	200,893	5,773	1,880
North Dakota .....	18,602	26,059	99,915	101,404	3,245	3,230
Ohio .....	5,698	6,312	112,345	110,364	31,415	30,261
Oklahoma .....	51,062	57,149	57,397	57,403	1,889	7,307
South Dakota .....	—	95	56,568	60,374	866	5,378
Tennessee .....	74	8	35,100	36,162	7,771	21,980
Wisconsin .....	—	462	95,074	97,520	6,311	12,074
<b>PAD District 3 Total</b> .....	<b>310,366</b>	<b>397,768</b>	<b>604,137</b>	<b>624,106</b>	<b>34,793</b>	<b>31,646</b>
Alabama .....	1,939	320	28,096	32,659	6,401	2,012
Arkansas .....	2,984	11,345	217,574	212,255	2,675	3,286
Louisiana .....	52,586	54,416	57,036	51,521	2,188	1,379
Mississippi .....	2,148	3,823	44,724	50,123	1,270	1,729
New Mexico .....	25,581	23,168	19,083	34,910	2,952	1,911
Texas .....	225,127	304,695	237,623	242,638	19,308	21,329
<b>PAD District 4 Total</b> .....	<b>160,220</b>	<b>170,071</b>	<b>197,016</b>	<b>216,598</b>	<b>10,288</b>	<b>5,794</b>
Colorado .....	44,720	69,933	37,256	44,100	453	704
Idaho .....	—	—	61,357	54,850	18	28
Montana .....	21,323	17,060	82,155	102,966	1,930	1,603
Utah .....	34,904	25,275	8,267	6,056	2,253	1,024
Wyoming .....	59,273	57,803	7,981	8,625	5,635	2,435
<b>PAD District 5 Total</b> .....	<b>30,966</b>	<b>54,905</b>	<b>479,101</b>	<b>381,840</b>	<b>178,481</b>	<b>162,085</b>
Alaska .....	21,347	40,742	71	46	56,777	47,477
Arizona .....	—	120	18,809	19,184	5,519	4,838
California .....	8,113	12,487	344,863	268,185	5,004	4,173
Hawaii .....	378	840	5,363	4,103	102,539	102,522
Nevada .....	1,095	617	2,410	3,035	1,369	811
Oregon .....	—	—	25,759	27,516	6,349	1,446
Washington .....	34	98	81,827	59,771	925	817

See footnotes at end of table.

**Table 4. Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>3,552,430</b>	<b>3,634,512</b>	<b>1,903,138</b>	<b>1,923,981</b>	<b>39,118,301</b>	<b>39,801,744</b>
<b>PAD District 1 Total</b> .....	<b>654,455</b>	<b>580,632</b>	<b>510,349</b>	<b>466,132</b>	<b>11,757,701</b>	<b>11,739,455</b>
<b>Subdistrict 1A Total</b> .....	<b>76,248</b>	<b>69,282</b>	<b>48,938</b>	<b>43,014</b>	<b>1,096,863</b>	<b>1,123,563</b>
Connecticut .....	3,661	4,450	7,081	6,654	300,414	303,570
Maine .....	49	126	8,708	8,298	178,890	181,010
Massachusetts .....	71,536	63,896	23,284	21,336	393,119	402,629
New Hampshire .....	129	119	3,104	2,740	101,295	97,695
Rhode Island .....	138	13	6,762	3,987	57,243	73,882
Vermont .....	735	678	-	-	65,902	64,777
<b>Subdistrict 1B Total</b> .....	<b>237,830</b>	<b>210,461</b>	<b>97,513</b>	<b>147,629</b>	<b>4,213,100</b>	<b>4,232,345</b>
Delaware .....	1,118	1,404	485	615	66,844	66,271
District of Columbia .....	1,275	-	7	11	8,278	10,710
Maryland .....	17,930	11,546	22,504	21,380	558,703	573,321
New Jersey .....	16,898	15,616	37,410	87,549	967,337	988,732
New York .....	87,107	63,226	11,308	12,339	1,096,953	1,118,505
Pennsylvania .....	113,502	118,670	25,798	25,735	1,514,985	1,474,806
<b>Subdistrict 1C Total</b> .....	<b>340,377</b>	<b>300,889</b>	<b>363,898</b>	<b>275,489</b>	<b>6,447,738</b>	<b>6,383,547</b>
Florida .....	77,188	74,409	135,001	145,269	1,781,525	1,670,536
Georgia .....	124,794	78,927	20,074	14,016	1,526,745	1,508,118
North Carolina .....	44,232	47,855	9,782	8,009	1,076,034	1,076,721
South Carolina .....	9,694	11,321	23,663	18,795	695,953	722,868
Virginia .....	69,592	72,611	119,183	43,971	1,072,989	1,111,050
West Virginia .....	14,878	15,766	56,194	45,429	294,492	294,254
<b>PAD District 2 Total</b> .....	<b>1,287,703</b>	<b>1,561,277</b>	<b>344,886</b>	<b>386,653</b>	<b>12,359,850</b>	<b>12,627,117</b>
Illinois .....	35,618	40,116	79,326	71,805	1,494,346	1,516,293
Indiana .....	81,288	65,820	26,157	29,805	1,348,615	1,356,498
Iowa .....	38,227	58,640	2,424	4,867	601,638	648,924
Kansas .....	95,182	92,323	-	-	436,577	489,575
Kentucky .....	109,949	170,042	84,725	91,516	888,016	875,135
Michigan .....	31,431	49,528	7,418	8,900	929,040	906,538
Minnesota .....	66,228	123,390	11,894	7,551	670,560	673,758
Missouri .....	32,475	27,467	19,621	34,158	1,069,393	1,087,199
Nebraska .....	39,742	12,732	-	-	409,879	434,093
North Dakota .....	57,778	124,832	-	-	165,671	177,467
Ohio .....	244,366	333,069	4,217	12,122	1,587,761	1,597,741
Oklahoma .....	351,740	348,832	8,831	10,764	773,308	840,366
South Dakota .....	5,149	8,572	-	-	187,722	202,607
Tennessee .....	73,026	76,692	96,863	114,703	1,040,248	1,061,941
Wisconsin .....	25,505	29,222	3,407	461	757,076	758,982
<b>PAD District 3 Total</b> .....	<b>869,119</b>	<b>699,882</b>	<b>667,871</b>	<b>613,864</b>	<b>7,345,812</b>	<b>7,615,389</b>
Alabama .....	62,089	59,852	72,310	36,334	790,822	848,402
Arkansas .....	22,469	20,237	415	420	650,856	673,079
Louisiana .....	43,813	43,862	379,507	351,726	778,989	703,016
Mississippi .....	33,298	46,730	71,614	93,581	642,420	625,746
New Mexico .....	16,716	6,152	-	-	519,863	531,013
Texas .....	690,735	523,049	144,025	131,803	3,962,862	4,234,133
<b>PAD District 4 Total</b> .....	<b>230,646</b>	<b>262,644</b>	<b>3</b>	<b>27</b>	<b>1,942,006</b>	<b>1,999,274</b>
Colorado .....	4,162	4,014	1	2	565,164	588,910
Idaho .....	19,458	21,070	2	25	262,068	275,706
Montana .....	73,282	107,710	-	-	257,622	263,696
Utah .....	31,272	44,721	-	-	499,542	480,993
Wyoming .....	102,473	85,129	-	-	357,610	389,969
<b>PAD District 5 Total</b> .....	<b>510,508</b>	<b>530,077</b>	<b>380,028</b>	<b>457,306</b>	<b>5,712,932</b>	<b>5,820,509</b>
Alaska .....	6,144	6,419	125,848	127,614	183,086	174,112
Arizona .....	13,743	11,940	23	1	870,267	865,536
California .....	314,821	317,292	110,681	104,583	2,974,021	3,091,491
Hawaii .....	-	4	72,935	129,743	50,827	52,692
Nevada .....	7,218	6,874	24	25	389,954	378,182
Oregon .....	75,775	82,369	14,831	20,502	542,834	560,598
Washington .....	92,806	105,180	55,686	74,838	701,943	697,898

See footnotes at end of table.

**Table 4. Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Military		Off-Highway		Total	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>327,827</b>	<b>363,145</b>	<b>2,478,554</b>	<b>2,512,394</b>	<b>62,192,027</b>	<b>63,210,781</b>
<b>PAD District 1 Total</b> .....	<b>65,575</b>	<b>65,650</b>	<b>865,270</b>	<b>833,519</b>	<b>21,726,177</b>	<b>21,593,817</b>
<b>Subdistrict 1A Total</b> .....	<b>9,714</b>	<b>12,611</b>	<b>102,962</b>	<b>92,754</b>	<b>3,738,092</b>	<b>3,776,398</b>
Connecticut .....	604	1,660	20,354	21,159	993,496	1,004,646
Maine .....	5,411	5,349	9,305	12,193	636,108	654,677
Massachusetts .....	803	2,382	48,817	39,016	1,333,111	1,338,113
New Hampshire .....	1,351	1,390	12,496	11,495	350,727	337,864
Rhode Island .....	1,472	1,735	5,374	4,540	217,393	238,451
Vermont .....	73	93	6,615	4,352	207,256	202,646
<b>Subdistrict 1B Total</b> .....	<b>17,310</b>	<b>28,387</b>	<b>239,031</b>	<b>226,685</b>	<b>8,641,971</b>	<b>8,837,056</b>
Delaware .....	163	180	6,290	3,149	132,329	124,934
District of Columbia .....	324	598	1,703	1,988	41,729	40,414
Maryland .....	5,771	6,441	47,389	35,368	922,376	894,416
New Jersey .....	2,784	3,996	62,577	65,404	1,521,104	1,650,152
New York .....	2,986	8,174	40,002	51,681	3,086,285	3,202,178
Pennsylvania .....	5,282	8,998	81,070	69,096	2,938,147	2,924,962
<b>Subdistrict 1C Total</b> .....	<b>38,551</b>	<b>24,653</b>	<b>523,277</b>	<b>514,080</b>	<b>9,346,115</b>	<b>8,980,363</b>
Florida .....	3,064	4,444	155,907	124,123	2,559,308	2,313,357
Georgia .....	2,696	2,515	102,836	124,009	1,956,153	1,877,394
North Carolina .....	3,576	4,268	49,796	53,366	1,453,608	1,464,166
South Carolina .....	10,837	6,487	58,681	51,781	893,469	900,294
Virginia .....	18,171	6,369	138,297	138,601	1,866,605	1,818,600
West Virginia .....	207	570	17,759	22,201	616,973	606,552
<b>PAD District 2 Total</b> .....	<b>11,149</b>	<b>8,416</b>	<b>598,480</b>	<b>686,931</b>	<b>17,905,457</b>	<b>18,656,841</b>
Illinois .....	813	266	99,712	110,067	2,009,417	2,038,772
Indiana .....	20	12	34,253	33,460	1,791,329	1,797,540
Iowa .....	35	38	15,630	24,765	870,428	945,366
Kansas .....	611	822	14,781	21,572	771,638	799,779
Kentucky .....	689	1,107	35,192	26,757	1,337,808	1,376,160
Michigan .....	1,264	1,184	47,082	47,782	1,228,103	1,218,859
Minnesota .....	903	293	56,592	57,964	1,060,714	1,124,468
Missouri .....	2,428	2,403	46,581	68,262	1,363,533	1,416,469
Nebraska .....	392	48	15,929	44,362	678,352	710,871
North Dakota .....	385	367	9,473	11,741	406,425	491,537
Ohio .....	129	72	67,850	68,156	2,262,294	2,392,490
Oklahoma .....	434	452	31,069	44,661	1,302,978	1,398,102
South Dakota .....	915	929	8,274	10,282	279,180	320,995
Tennessee .....	692	181	59,359	65,938	1,389,458	1,467,222
Wisconsin .....	1,438	240	56,703	51,163	1,153,800	1,158,209
<b>PAD District 3 Total</b> .....	<b>81,489</b>	<b>46,862</b>	<b>447,327</b>	<b>480,332</b>	<b>10,949,982</b>	<b>11,105,020</b>
Alabama .....	2,438	2,622	73,674	62,743	1,224,095	1,203,820
Arkansas .....	244	284	28,866	48,044	964,043	993,651
Louisiana .....	46,867	11,319	72,760	76,131	1,472,513	1,346,351
Mississippi .....	243	775	55,796	59,253	873,017	943,868
New Mexico .....	812	839	6,214	3,235	643,107	643,787
Texas .....	30,885	31,023	210,016	230,926	5,773,207	5,973,542
<b>PAD District 4 Total</b> .....	<b>1,538</b>	<b>1,188</b>	<b>186,961</b>	<b>149,317</b>	<b>3,044,554</b>	<b>3,126,705</b>
Colorado .....	793	553	56,294	48,550	771,901	812,123
Idaho .....	428	247	21,502	23,362	406,533	413,091
Montana .....	301	377	21,938	22,325	499,689	573,264
Utah .....	1	11	66,552	35,219	702,239	655,731
Wyoming .....	15	-	20,675	19,860	664,193	672,495
<b>PAD District 5 Total</b> .....	<b>168,076</b>	<b>241,029</b>	<b>380,517</b>	<b>362,295</b>	<b>8,565,856</b>	<b>8,728,398</b>
Alaska .....	13,786	12,390	14,551	16,599	601,168	579,626
Arizona .....	965	1,237	79,059	66,808	1,094,578	1,087,428
California .....	9,762	11,984	161,422	135,327	4,046,145	4,081,853
Hawaii .....	14,337	75,189	9,947	9,414	275,356	390,488
Nevada .....	1,815	1,868	26,858	29,733	565,572	553,932
Oregon .....	2,281	2,027	31,908	22,925	763,775	778,480
Washington .....	125,130	136,335	56,772	81,488	1,219,262	1,256,591

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 2006-2007. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

**Table 5. Sales of Residual Fuel Oil by Energy Use, 2006 and 2007**

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Power	
	2006	2007	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>479,124</b>	<b>481,368</b>	<b>1,451,730</b>	<b>1,187,319</b>	<b>65,247</b>	<b>43,972</b>	<b>2,505,724</b>	<b>2,646,574</b>
<b>PAD District 1 Total</b> .....	<b>460,805</b>	<b>472,519</b>	<b>872,510</b>	<b>772,907</b>	<b>20,874</b>	<b>21,290</b>	<b>1,965,027</b>	<b>2,086,738</b>
<b>Subdistrict 1A Total</b> .....	<b>102,505</b>	<b>88,161</b>	<b>239,005</b>	<b>194,642</b>	<b>223</b>	<b>705</b>	<b>286,245</b>	<b>311,508</b>
Connecticut .....	12,676	7,629	23,211	15,585	223	150	80,820	64,049
Maine .....	11,207	16,375	131,550	110,736	-	532	11,683	16,478
Massachusetts .....	46,827	33,527	44,633	38,842	-	-	174,517	216,876
New Hampshire .....	16,354	17,736	25,694	16,359	-	23	19,225	14,105
Rhode Island .....	10,257	9,405	8,695	7,042	-	-	-	-
Vermont .....	5,184	3,490	5,223	6,077	-	-	-	-
<b>Subdistrict 1B Total</b> .....	<b>346,426</b>	<b>380,176</b>	<b>173,749</b>	<b>157,892</b>	<b>20,212</b>	<b>20,584</b>	<b>612,111</b>	<b>715,339</b>
Delaware .....	6,554	4,287	24,372	20,848	-	-	-	6,126
Maryland .....	1,920	730	29,542	25,380	805	873	34,324	47,519
New Jersey .....	8,668	9,362	17,039	19,158	1,739	1,409	184,735	85,241
New York .....	317,815	350,182	51,560	58,026	519	614	339,440	545,808
Pennsylvania .....	11,470	15,615	51,236	34,481	17,150	17,688	53,617	30,645
<b>Subdistrict 1C Total</b> .....	<b>11,875</b>	<b>4,183</b>	<b>459,756</b>	<b>420,373</b>	<b>439</b>	<b>-</b>	<b>1,066,671</b>	<b>1,059,892</b>
Florida .....	3,267	1,650	97,108	70,614	-	-	1,015,758	978,266
Georgia .....	-	-	76,543	53,905	-	-	6,692	-
North Carolina .....	6,456	1,224	154,738	125,901	111	-	-	-
South Carolina .....	671	578	73,055	64,368	117	-	120	-
Virginia .....	1,480	731	44,848	65,477	211	-	44,101	81,625
West Virginia .....	-	-	13,463	40,108	-	-	-	-
<b>PAD District 2 Total</b> .....	<b>16,477</b>	<b>6,778</b>	<b>218,592</b>	<b>190,490</b>	<b>3,456</b>	<b>2,498</b>	<b>14,388</b>	<b>20,280</b>
Illinois .....	43	-	7,189	3,396	-	-	578	-
Indiana .....	-	145	34,002	10,127	2,952	2,498	-	-
Iowa .....	105	-	1,780	1,777	-	-	-	-
Kansas .....	-	-	24,777	18,637	-	-	6,969	-
Kentucky .....	-	-	4,714	4,152	-	-	-	-
Michigan .....	74	-	27,332	38,415	-	-	6,140	16,605
Minnesota .....	9,401	3,528	15,843	31,656	-	-	702	3,675
Missouri .....	371	235	2,048	1,182	-	-	-	-
Nebraska .....	1,647	-	1,357	1,885	-	-	-	-
North Dakota .....	404	1,039	2,076	1,315	504	-	-	-
Ohio .....	1,127	36	53,890	35,608	-	-	-	-
Oklahoma .....	-	-	9,840	5,218	-	-	-	-
South Dakota .....	48	484	1,104	901	-	-	-	-
Tennessee .....	-	320	7,065	6,516	-	-	-	-
Wisconsin .....	3,258	991	25,575	29,706	-	-	-	-
<b>PAD District 3 Total</b> .....	<b>40</b>	<b>554</b>	<b>321,426</b>	<b>195,360</b>	<b>23</b>	<b>10</b>	<b>57,687</b>	<b>53,757</b>
Alabama .....	40	-	30,649	32,694	-	-	-	-
Arkansas .....	-	-	175	2,770	-	-	45	2,709
Louisiana .....	-	-	128,100	23,681	15	-	27,299	23,750
Mississippi .....	-	-	2,622	4,587	8	10	27,283	27,298
New Mexico .....	-	-	2,906	6,347	-	-	-	-
Texas .....	-	554	156,974	125,281	-	-	3,060	-
<b>PAD District 4 Total</b> .....	<b>31</b>	<b>-</b>	<b>15,297</b>	<b>13,905</b>	<b>8,449</b>	<b>3,052</b>	<b>-</b>	<b>-</b>
Colorado .....	-	-	22	-	-	-	-	-
Idaho .....	-	-	5,797	1,484	-	-	-	-
Montana .....	-	-	3,000	-	798	-	-	-
Utah .....	31	-	6,478	12,404	3,216	-	-	-
Wyoming .....	-	-	-	16	4,434	3,052	-	-
<b>PAD District 5 Total</b> .....	<b>1,771</b>	<b>1,517</b>	<b>23,905</b>	<b>14,658</b>	<b>32,445</b>	<b>17,123</b>	<b>468,622</b>	<b>485,799</b>
Alaska .....	122	-	-	-	-	-	-	-
Arizona .....	-	-	690	868	-	-	-	-
California .....	-	-	4,064	422	-	-	-	-
Hawaii .....	35	16	33	57	32,445	17,123	468,622	485,799
Nevada .....	-	193	87	-	-	-	-	-
Oregon .....	1,589	1,296	18,735	13,174	-	-	-	-
Washington .....	27	12	296	137	-	-	-	-

See footnotes at end of table.

**Table 5. Sales of Residual Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	2006	2007	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>5,753,592</b>	<b>6,326,931</b>	<b>12,005</b>	<b>17,719</b>	<b>6,209</b>	<b>2,595</b>	<b>10,273,631</b>	<b>10,706,479</b>
<b>PAD District 1 Total</b> .....	<b>2,226,967</b>	<b>2,158,105</b>	<b>9,559</b>	<b>15,618</b>	<b>169</b>	<b>58</b>	<b>5,555,911</b>	<b>5,527,235</b>
<b>Subdistrict 1A Total</b> .....	<b>46,100</b>	<b>18,029</b>	<b>1,962</b>	<b>1,880</b>	<b>169</b>	<b>40</b>	<b>676,210</b>	<b>614,965</b>
Connecticut .....	-	-	194	599	169	40	117,293	88,053
Maine .....	32,714	7,960	-	-	-	-	187,154	152,082
Massachusetts .....	13,217	10,004	1,768	1,280	-	-	280,962	300,530
New Hampshire .....	-	-	-	-	-	-	61,272	48,224
Rhode Island .....	170	64	-	-	-	-	19,122	16,510
Vermont .....	-	-	-	-	-	-	10,407	9,567
<b>Subdistrict 1B Total</b> .....	<b>1,156,989</b>	<b>1,247,389</b>	<b>6,839</b>	<b>7,518</b>	-	<b>17</b>	<b>2,316,326</b>	<b>2,528,915</b>
Delaware .....	46,032	49,908	-	-	-	-	76,957	81,168
Maryland .....	43,805	22,681	5,082	6,638	-	-	115,478	103,821
New Jersey .....	640,023	754,876	-	-	-	-	852,204	870,047
New York .....	261,346	283,549	-	-	-	17	970,679	1,238,197
Pennsylvania .....	165,783	136,375	1,757	880	-	-	301,007	235,683
<b>Subdistrict 1C Total</b> .....	<b>1,023,878</b>	<b>892,688</b>	<b>758</b>	<b>6,221</b>	-	-	<b>2,563,376</b>	<b>2,383,355</b>
Florida .....	561,520	532,292	-	-	-	-	1,677,653	1,582,822
Georgia .....	318,925	226,914	-	-	-	-	402,161	280,819
North Carolina .....	7,706	23,066	-	606	-	-	169,011	150,796
South Carolina .....	68,643	62,748	-	-	-	-	142,606	127,694
Virginia .....	67,083	47,667	758	5,615	-	-	158,481	201,116
West Virginia .....	-	-	-	-	-	-	13,463	40,108
<b>PAD District 2 Total</b> .....	<b>32,310</b>	<b>42,526</b>	-	-	<b>3,375</b>	<b>2,538</b>	<b>288,598</b>	<b>265,110</b>
Illinois .....	1,868	1,486	-	-	-	-	9,677	4,882
Indiana .....	7,092	11,520	-	-	-	-	44,046	24,290
Iowa .....	-	-	-	-	-	-	1,884	1,777
Kansas .....	-	-	-	-	8	-	31,754	18,637
Kentucky .....	-	-	-	-	-	-	4,714	4,152
Michigan .....	9,277	11,543	-	-	2,133	412	44,956	66,975
Minnesota .....	7,954	16,123	-	-	-	-	33,900	54,982
Missouri .....	372	109	-	-	-	-	2,791	1,526
Nebraska .....	-	-	-	-	28	-	3,032	1,885
North Dakota .....	-	-	-	-	1,202	1,414	4,186	3,768
Ohio .....	23	133	-	-	-	711	55,041	36,488
Oklahoma .....	-	-	-	-	4	-	9,844	5,218
South Dakota .....	-	-	-	-	-	-	1,152	1,385
Tennessee .....	490	190	-	-	-	-	7,554	7,026
Wisconsin .....	5,234	1,423	-	-	-	-	34,066	32,119
<b>PAD District 3 Total</b> .....	<b>1,582,489</b>	<b>1,858,360</b>	<b>859</b>	<b>417</b>	<b>2,642</b>	-	<b>1,965,166</b>	<b>2,108,458</b>
Alabama .....	59,397	54,051	304	-	-	-	90,390	86,745
Arkansas .....	-	-	-	-	-	-	220	5,479
Louisiana .....	535,717	593,392	-	-	-	-	691,130	640,823
Mississippi .....	28,137	27,462	-	-	-	-	58,050	59,357
New Mexico .....	-	-	-	-	2,618	-	5,524	6,347
Texas .....	959,238	1,183,455	555	417	24	-	1,119,851	1,309,707
<b>PAD District 4 Total</b> .....	-	-	<b>1,213</b>	-	<b>23</b>	-	<b>25,011</b>	<b>16,956</b>
Colorado .....	-	-	-	-	-	-	22	-
Idaho .....	-	-	-	-	-	-	5,797	1,484
Montana .....	-	-	1,213	-	-	-	5,011	-
Utah .....	-	-	-	-	-	-	9,725	12,404
Wyoming .....	-	-	-	-	23	-	4,457	3,068
<b>PAD District 5 Total</b> .....	<b>1,911,826</b>	<b>2,267,939</b>	<b>374</b>	<b>1,685</b>	-	-	<b>2,438,944</b>	<b>2,788,720</b>
Alaska .....	1,093	10,554	-	-	-	-	1,215	10,554
Arizona .....	-	-	-	-	-	-	690	868
California .....	1,505,058	1,590,104	374	1,680	-	-	1,509,497	1,592,207
Hawaii .....	95,064	179,226	-	-	-	-	596,199	682,220
Nevada .....	-	-	-	5	-	-	87	198
Oregon .....	62,503	87,456	-	-	-	-	82,827	101,927
Washington .....	248,107	400,599	-	-	-	-	248,430	400,747

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 2006-2007.

**Table 6. Sales of Kerosene by Energy Use, 2006 and 2007**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>491,508</b>	<b>325,320</b>	<b>112,392</b>	<b>67,960</b>	<b>202,590</b>	<b>88,372</b>
<b>PAD District 1 Total</b> .....	<b>402,171</b>	<b>267,992</b>	<b>76,334</b>	<b>47,683</b>	<b>73,239</b>	<b>34,350</b>
<b>Subdistrict 1A Total</b> .....	<b>113,008</b>	<b>75,986</b>	<b>18,940</b>	<b>10,169</b>	<b>17,151</b>	<b>7,027</b>
Connecticut .....	9,758	5,428	7,604	1,425	15,727	6,143
Maine .....	58,429	40,203	6,292	4,903	647	661
Massachusetts .....	10,004	6,783	1,617	1,046	209	84
New Hampshire .....	18,246	12,493	1,927	1,644	527	103
Rhode Island .....	1,661	675	412	24	15	1
Vermont .....	14,910	10,403	1,088	1,127	26	35
<b>Subdistrict 1B Total</b> .....	<b>163,150</b>	<b>109,558</b>	<b>42,255</b>	<b>24,834</b>	<b>42,209</b>	<b>22,319</b>
Delaware .....	4,551	2,040	1,138	471	829	5
District of Columbia .....	-	-	115	40	-	-
Maryland .....	18,352	9,449	2,618	1,721	665	207
New Jersey .....	4,873	3,027	5,881	4,516	21,618	10,815
New York .....	75,743	55,341	14,882	10,268	16,708	8,195
Pennsylvania .....	59,630	39,702	17,620	7,818	2,389	3,096
<b>Subdistrict 1C Total</b> .....	<b>126,013</b>	<b>82,448</b>	<b>15,139</b>	<b>12,680</b>	<b>13,879</b>	<b>5,004</b>
Florida .....	2,264	838	714	523	709	87
Georgia .....	2,636	1,641	301	551	5,590	3,729
North Carolina .....	50,170	35,666	4,191	2,990	1,426	78
South Carolina .....	15,189	8,055	1,136	774	3,802	148
Virginia .....	47,856	31,072	7,073	6,789	1,645	768
West Virginia .....	7,897	5,175	1,724	1,053	706	193
<b>PAD District 2 Total</b> .....	<b>56,669</b>	<b>39,150</b>	<b>16,373</b>	<b>9,905</b>	<b>10,252</b>	<b>10,051</b>
Illinois .....	2,837	2,186	1,400	1,494	1,511	2,952
Indiana .....	7,295	5,425	1,660	1,172	841	375
Iowa .....	640	418	186	129	200	94
Kansas .....	192	93	360	168	38	19
Kentucky .....	6,711	4,184	847	434	1,378	440
Michigan .....	6,416	4,008	1,105	330	1,262	576
Minnesota .....	766	470	490	436	51	85
Missouri .....	2,790	2,273	711	381	246	109
Nebraska .....	104	256	109	55	15	5
North Dakota .....	127	99	136	52	6	197
Ohio .....	15,294	10,208	6,747	3,514	3,025	4,269
Oklahoma .....	363	338	362	342	441	356
South Dakota .....	96	64	62	7	1	-
Tennessee .....	11,907	8,561	1,162	1,017	756	376
Wisconsin .....	1,131	568	1,036	374	481	198
<b>PAD District 3 Total</b> .....	<b>3,904</b>	<b>2,905</b>	<b>5,581</b>	<b>2,917</b>	<b>117,195</b>	<b>42,668</b>
Alabama .....	2,103	1,340	424	200	1,625	901
Arkansas .....	385	262	498	371	24	41
Louisiana .....	347	255	1,226	284	104,854	34,981
Mississippi .....	597	539	240	187	1,716	1,272
New Mexico .....	172	111	106	68	6	5
Texas .....	299	398	3,087	1,808	8,972	5,468
<b>PAD District 4 Total</b> .....	<b>962</b>	<b>518</b>	<b>1,063</b>	<b>388</b>	<b>207</b>	<b>171</b>
Colorado .....	677	268	691	193	89	89
Idaho .....	130	88	94	22	11	6
Montana .....	33	35	1	4	2	3
Utah .....	69	101	252	150	68	42
Wyoming .....	53	26	25	19	37	31
<b>PAD District 5 Total</b> .....	<b>27,803</b>	<b>14,755</b>	<b>13,041</b>	<b>7,067</b>	<b>1,697</b>	<b>1,133</b>
Alaska .....	11,565	6,773	7,759	4,465	2	1
Arizona .....	64	16	99	97	206	52
California .....	12,036	6,399	2,277	1,297	942	959
Hawaii .....	-	-	1	-	4	2
Nevada .....	656	709	233	249	2	5
Oregon .....	2,163	328	1,744	535	396	47
Washington .....	1,319	531	928	425	145	67

See footnotes at end of table.

**Table 6. Sales of Kerosene by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Farm		All Other		Total	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>15,064</b>	<b>9,531</b>	<b>1,435</b>	<b>1,520</b>	<b>822,990</b>	<b>492,702</b>
<b>PAD District 1 Total</b> .....	<b>4,891</b>	<b>2,946</b>	<b>438</b>	<b>795</b>	<b>557,073</b>	<b>353,765</b>
<b>Subdistrict 1A Total</b> .....	<b>1,686</b>	<b>1,221</b>	<b>127</b>	<b>232</b>	<b>150,912</b>	<b>94,635</b>
Connecticut .....	37	1	9	8	33,135	13,006
Maine .....	892	648	70	16	66,330	46,431
Massachusetts .....	2	1	-	-	11,831	7,913
New Hampshire .....	289	209	20	6	21,009	14,454
Rhode Island .....	-	-	-	-	2,088	701
Vermont .....	465	361	28	203	16,518	12,129
<b>Subdistrict 1B Total</b> .....	<b>2,116</b>	<b>980</b>	<b>175</b>	<b>408</b>	<b>249,906</b>	<b>158,099</b>
Delaware .....	13	8	-	-	6,531	2,525
District of Columbia .....	-	-	-	-	115	40
Maryland .....	603	115	7	10	22,247	11,502
New Jersey .....	-	3	29	81	32,401	18,442
New York .....	897	626	114	205	108,344	74,635
Pennsylvania .....	603	228	26	112	80,268	50,956
<b>Subdistrict 1C Total</b> .....	<b>1,089</b>	<b>745</b>	<b>136</b>	<b>154</b>	<b>156,256</b>	<b>101,031</b>
Florida .....	85	7	45	-	3,817	1,455
Georgia .....	18	13	7	5	8,553	5,939
North Carolina .....	251	281	4	6	56,042	39,021
South Carolina .....	203	136	38	22	20,368	9,136
Virginia .....	415	270	38	118	57,028	39,018
West Virginia .....	117	38	4	3	10,448	6,462
<b>PAD District 2 Total</b> .....	<b>7,141</b>	<b>5,898</b>	<b>581</b>	<b>520</b>	<b>91,017</b>	<b>65,523</b>
Illinois .....	409	397	170	124	6,327	7,153
Indiana .....	487	755	29	19	10,312	7,746
Iowa .....	236	274	-	61	1,262	975
Kansas .....	51	109	-	11	641	399
Kentucky .....	571	469	107	47	9,613	5,574
Michigan .....	194	68	9	6	8,986	4,987
Minnesota .....	349	278	10	9	1,667	1,279
Missouri .....	115	111	-	-	3,863	2,874
Nebraska .....	49	31	60	37	336	384
North Dakota .....	42	21	-	-	311	370
Ohio .....	3,996	2,963	131	58	29,193	21,013
Oklahoma .....	147	106	-	19	1,314	1,161
South Dakota .....	24	18	-	-	182	89
Tennessee .....	63	23	46	16	13,935	9,993
Wisconsin .....	407	275	20	113	3,075	1,527
<b>PAD District 3 Total</b> .....	<b>1,422</b>	<b>128</b>	<b>55</b>	<b>47</b>	<b>128,157</b>	<b>48,664</b>
Alabama .....	15	5	10	1	4,176	2,446
Arkansas .....	8	6	-	-	915	680
Louisiana .....	1,174	43	3	1	107,604	35,564
Mississippi .....	1	1	-	-	2,554	1,999
New Mexico .....	89	12	26	21	399	217
Texas .....	134	62	16	23	12,509	7,759
<b>PAD District 4 Total</b> .....	<b>165</b>	<b>123</b>	<b>78</b>	<b>19</b>	<b>2,475</b>	<b>1,219</b>
Colorado .....	98	65	74	1	1,628	616
Idaho .....	8	15	-	-	244	131
Montana .....	2	2	3	-	42	45
Utah .....	44	27	-	17	433	337
Wyoming .....	13	14	-	-	128	90
<b>PAD District 5 Total</b> .....	<b>1,445</b>	<b>436</b>	<b>282</b>	<b>140</b>	<b>44,269</b>	<b>23,530</b>
Alaska .....	-	-	216	126	19,542	11,365
Arizona .....	1	-	-	2	370	167
California .....	738	350	33	8	16,027	9,013
Hawaii .....	1	-	-	-	6	2
Nevada .....	1	1	-	1	892	964
Oregon .....	572	32	11	1	4,886	941
Washington .....	132	53	22	1	2,546	1,077

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 2006-2007 and "Petroleum Supply Annual," Volume 1, 2006-2007, (DOE/EIA-0340(06)/1 - (07)/1).

**Table 7. Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2007**  
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
<b>U.S. Total</b> .....	<b>81,992</b>	<b>5,059,651</b>	<b>5,141,643</b>	<b>325,320</b>
<b>PAD District 1 Total</b> .....	<b>12,628</b>	<b>4,575,597</b>	<b>4,588,225</b>	<b>267,992</b>
<b>Subdistrict 1A Total</b> .....	<b>1,151</b>	<b>1,869,922</b>	<b>1,871,073</b>	<b>75,986</b>
Connecticut .....	107	537,650	537,757	5,428
Maine .....	487	298,694	299,181	40,203
Massachusetts .....	490	654,615	655,105	6,783
New Hampshire .....	—	167,819	167,819	12,493
Rhode Island .....	67	122,155	122,222	675
Vermont .....	—	88,989	88,989	10,403
<b>Subdistrict 1B Total</b> .....	<b>9,588</b>	<b>2,422,511</b>	<b>2,432,099</b>	<b>109,558</b>
Delaware .....	—	26,321	26,321	2,040
District of Columbia .....	—	8,450	8,450	—
Maryland .....	1	138,226	138,227	9,449
New Jersey .....	—	310,493	310,493	3,027
New York .....	237	1,241,415	1,241,652	55,341
Pennsylvania .....	9,350	697,606	706,956	39,702
<b>Subdistrict 1C Total</b> .....	<b>1,889</b>	<b>283,164</b>	<b>285,053</b>	<b>82,448</b>
Florida .....	100	1,979	2,079	838
Georgia .....	22	1,145	1,167	1,641
North Carolina .....	1,342	80,006	81,348	35,666
South Carolina .....	—	7,074	7,074	8,055
Virginia .....	31	179,743	179,774	31,072
West Virginia .....	394	13,218	13,612	5,175
<b>PAD District 2 Total</b> .....	<b>32,539</b>	<b>360,051</b>	<b>392,590</b>	<b>39,150</b>
Illinois .....	766	5,616	6,382	2,186
Indiana .....	1,788	17,879	19,667	5,425
Iowa .....	1,047	8,403	9,450	418
Kansas .....	32	62	94	93
Kentucky .....	124	9,997	10,121	4,184
Michigan .....	3,447	53,122	56,569	4,008
Minnesota .....	11,237	52,459	63,696	470
Missouri .....	1,039	4,857	5,896	2,273
Nebraska .....	1,059	1,112	2,171	256
North Dakota .....	3,408	15,963	19,371	99
Ohio .....	2,273	101,442	103,715	10,208
Oklahoma .....	—	1,244	1,244	338
South Dakota .....	1,621	5,670	7,291	64
Tennessee .....	95	5,145	5,240	8,561
Wisconsin .....	4,604	77,078	81,682	568
<b>PAD District 3 Total</b> .....	<b>48</b>	<b>816</b>	<b>864</b>	<b>2,905</b>
Alabama .....	—	344	344	1,340
Arkansas .....	29	101	130	262
Louisiana .....	10	207	217	255
Mississippi .....	—	12	12	539
New Mexico .....	9	141	150	111
Texas .....	—	11	11	398
<b>PAD District 4 Total</b> .....	<b>4,564</b>	<b>16,536</b>	<b>21,100</b>	<b>518</b>
Colorado .....	47	267	314	268
Idaho .....	1,739	8,495	10,234	88
Montana .....	2,613	5,503	8,116	35
Utah .....	82	1,075	1,157	101
Wyoming .....	83	1,197	1,280	26
<b>PAD District 5 Total</b> .....	<b>32,214</b>	<b>106,651</b>	<b>138,865</b>	<b>14,755</b>
Alaska .....	29,082	31,069	60,151	6,773
Arizona .....	—	93	93	16
California .....	304	3,649	3,953	6,399
Hawaii .....	—	132	132	—
Nevada .....	194	5,870	6,064	709
Oregon .....	1,003	22,011	23,014	328
Washington .....	1,630	43,827	45,457	531

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 2007. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/1).



**Table 8. Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2007**  
(Thousand Gallons)

Destination	Distillate Fuel Oil								Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Ultra Low Sulfur Diesel	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
<b>U.S. Total</b>	<b>64,089</b>	<b>1,217,835</b>	<b>731,582</b>	<b>245,223</b>	<b>280,932</b>	<b>2,475,572</b>	<b>179,014</b>	<b>2,718,674</b>	<b>481,368</b>	<b>67,960</b>
<b>PAD District 1 Total</b>	<b>15,905</b>	<b>1,111,562</b>	<b>253,587</b>	<b>96,035</b>	<b>140,191</b>	<b>1,601,375</b>	<b>179,005</b>	<b>1,796,285</b>	<b>472,519</b>	<b>47,683</b>
<b>Subdistrict 1A Total</b>	<b>84</b>	<b>390,624</b>	<b>35,718</b>	<b>10,076</b>	<b>11,314</b>	<b>447,732</b>	<b>20,649</b>	<b>468,464</b>	<b>88,161</b>	<b>10,169</b>
Connecticut	23	88,815	14,833	1,976	112	105,736	1,798	107,555	7,629	1,425
Maine	46	97,800	10,775	4,367	7,306	120,248	589	120,883	16,375	4,903
Massachusetts	-	115,319	3,249	2,073	815	121,456	12,727	134,184	33,527	1,046
New Hampshire	4	38,814	4,275	174	319	43,582	2,297	45,883	17,736	1,644
Rhode Island	6	25,364	514	219	371	26,468	1,887	28,361	9,405	24
Vermont	6	24,512	2,072	1,267	2,391	30,242	1,351	31,598	3,490	1,127
<b>Subdistrict 1B Total</b>	<b>15,337</b>	<b>654,434</b>	<b>114,124</b>	<b>35,481</b>	<b>37,817</b>	<b>841,856</b>	<b>157,767</b>	<b>1,014,960</b>	<b>380,176</b>	<b>24,834</b>
Delaware	-	4,703	1,265	1,366	2,202	9,536	331	9,866	4,287	471
District of Columbia	4	9,496	152	2,559	1	12,208	325	12,537	-	40
Maryland	11	31,353	6,113	6,528	5,018	49,012	-	49,023	730	1,721
New Jersey	-	87,394	33,176	1,044	12,603	134,217	3,916	138,133	9,362	4,516
New York	15,308	371,469	41,328	13,762	8,818	435,377	151,782	602,467	350,182	10,268
Pennsylvania	14	150,019	32,090	10,221	9,175	201,505	1,414	202,934	15,615	7,818
<b>Subdistrict 1C Total</b>	<b>483</b>	<b>66,505</b>	<b>103,746</b>	<b>50,478</b>	<b>91,060</b>	<b>311,789</b>	<b>589</b>	<b>312,861</b>	<b>4,183</b>	<b>12,680</b>
Florida	10	534	48,080	15,966	30,527	95,107	-	95,117	1,650	523
Georgia	-	479	13,859	8,893	11,203	34,434	-	34,434	-	551
North Carolina	203	18,962	15,842	10,841	16,088	61,733	-	61,936	1,224	2,990
South Carolina	-	1,578	9,930	6,653	10,397	28,558	-	28,558	578	774
Virginia	2	42,527	14,077	7,185	21,766	85,555	589	86,146	731	6,789
West Virginia	269	2,425	1,957	940	1,079	6,401	-	6,670	-	1,053
<b>PAD District 2 Total</b>	<b>18,278</b>	<b>71,105</b>	<b>180,447</b>	<b>72,840</b>	<b>66,226</b>	<b>390,618</b>	<b>6</b>	<b>408,902</b>	<b>6,778</b>	<b>9,905</b>
Illinois	1,551	5,359	12,962	8,233	2,568	29,122	-	30,674	-	1,494
Indiana	2,459	9,653	13,490	3,458	12,033	38,634	-	41,092	145	1,172
Iowa	1,202	2,415	5,971	217	378	8,981	-	10,183	-	129
Kansas	429	1,009	7,919	1,623	16	10,567	-	10,996	-	168
Kentucky	-	1,686	8,658	11,223	5,680	27,247	-	27,247	-	434
Michigan	1,618	4,042	31,520	6,827	2,538	44,927	-	46,545	-	330
Minnesota	3,766	13,459	9,686	2,803	285	26,233	-	29,998	3,528	436
Missouri	1,219	1,053	6,974	4,805	1,143	13,975	-	15,195	235	381
Nebraska	1,219	3,939	1,936	698	-	6,573	-	7,793	-	55
North Dakota	828	1,255	3,754	309	459	5,777	-	6,605	1,039	52
Ohio	623	5,626	30,488	9,746	26,340	72,200	-	72,823	36	3,514
Oklahoma	-	-	17,563	1,277	666	19,506	-	19,505	-	342
South Dakota	1,758	3,046	3,056	342	1,083	7,527	-	9,285	484	7
Tennessee	24	1,892	16,935	10,252	10,176	39,255	6	39,285	320	1,017
Wisconsin	1,583	16,673	9,533	11,026	2,861	40,093	-	41,676	991	374
<b>PAD District 3 Total</b>	<b>531</b>	<b>14,873</b>	<b>132,397</b>	<b>43,023</b>	<b>45,682</b>	<b>235,975</b>	<b>-</b>	<b>236,506</b>	<b>554</b>	<b>2,917</b>
Alabama	-	12,982	14,273	9,666	15,245	52,166	-	52,166	-	200
Arkansas	525	16	2,181	778	218	3,193	-	3,718	-	371
Louisiana	-	1,347	6,968	11,468	5,443	25,226	-	25,227	-	284
Mississippi	-	-	40,694	2,526	3,669	46,889	-	46,890	-	187
New Mexico	6	486	5,614	1,687	4	7,791	-	7,798	-	68
Texas	-	42	62,666	16,897	21,102	100,707	-	100,706	554	1,808
<b>PAD District 4 Total</b>	<b>3,186</b>	<b>1,432</b>	<b>36,034</b>	<b>9,961</b>	<b>7,853</b>	<b>55,280</b>	<b>-</b>	<b>58,467</b>	<b>-</b>	<b>388</b>
Colorado	844	237	16,620	736	-	17,593	-	18,436	-	193
Idaho	696	215	7,650	1,408	641	9,914	-	10,609	-	22
Montana	683	611	4,227	1,645	41	6,524	-	7,207	-	4
Utah	452	294	5,271	5,599	7,018	18,182	-	18,633	-	150
Wyoming	513	76	2,267	573	152	3,068	-	3,581	-	19
<b>PAD District 5 Total</b>	<b>26,188</b>	<b>18,863</b>	<b>129,117</b>	<b>23,364</b>	<b>20,980</b>	<b>192,324</b>	<b>3</b>	<b>218,514</b>	<b>1,517</b>	<b>7,067</b>
Alaska	20,067	8,141	2,291	3,283	6,691	20,406	-	40,472	-	4,465
Arizona	-	73	19,753	6,598	-	26,424	-	26,423	-	97
California	5,368	426	65,756	4,087	-	70,269	-	75,638	-	1,297
Hawaii	-	-	4,962	2,512	4,144	11,618	-	11,619	-	-
Nevada	151	1,986	8,271	1,876	323	12,456	-	12,607	193	249
Oregon	413	1,992	9,879	3,218	3,937	19,026	-	19,438	1,296	535
Washington	189	6,245	18,204	1,791	5,885	32,125	3	32,317	12	425

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 2007. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/1).

**Table 9. Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2007**  
(Thousand Gallons)

Destination	Distillate Fuel Oil							Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
<b>U.S. Total</b>	<b>37,787</b>	<b>324,891</b>	<b>1,319,312</b>	<b>727,167</b>	<b>2,371,370</b>	<b>57,749</b>	<b>2,466,906</b>	<b>1,187,319</b>	<b>88,372</b>
<b>PAD District 1 Total</b>	<b>192</b>	<b>231,733</b>	<b>276,853</b>	<b>309,842</b>	<b>818,428</b>	<b>27,743</b>	<b>846,364</b>	<b>772,907</b>	<b>34,350</b>
<b>Subdistrict 1A Total</b>	<b>34</b>	<b>36,290</b>	<b>11,631</b>	<b>2,218</b>	<b>50,139</b>	<b>7,452</b>	<b>57,624</b>	<b>194,642</b>	<b>7,027</b>
Connecticut	7	7,275	1,301	106	8,682	4,623	13,312	15,585	6,143
Maine	8	14,342	1,461	211	16,014	253	16,275	110,736	661
Massachusetts	2	5,358	5,949	1,716	13,023	593	13,617	38,842	84
New Hampshire	17	4,623	378	12	5,012	589	5,618	16,359	103
Rhode Island	-	1,446	54	-	1,500	619	2,119	7,042	1
Vermont	-	3,247	2,488	172	5,907	776	6,683	6,077	35
<b>Subdistrict 1B Total</b>	<b>87</b>	<b>153,625</b>	<b>64,252</b>	<b>68,157</b>	<b>286,033</b>	<b>8,726</b>	<b>294,847</b>	<b>157,892</b>	<b>22,319</b>
Delaware	-	676	248	443	1,368	655	2,023	20,848	5
District of Columbia	-	-	43	-	43	-	43	-	-
Maryland	-	5,077	3,307	6,108	14,492	-	14,492	25,380	207
New Jersey	-	9,984	559	399	10,942	2,591	13,533	19,158	10,815
New York	87	37,909	9,167	4,713	51,789	3,572	55,449	58,026	8,195
Pennsylvania	-	99,978	50,927	56,493	207,399	1,908	209,307	34,481	3,096
<b>Subdistrict 1C Total</b>	<b>72</b>	<b>41,818</b>	<b>200,971</b>	<b>239,467</b>	<b>482,256</b>	<b>11,565</b>	<b>493,893</b>	<b>420,373</b>	<b>5,004</b>
Florida	-	83	35,693	33,217	68,993	252	69,245	70,614	87
Georgia	-	7,866	15,778	16,513	40,156	3,635	43,792	53,905	3,729
North Carolina	-	5,959	23,043	23,950	52,952	5,406	58,358	125,901	78
South Carolina	-	3,199	10,162	7,448	20,808	998	21,806	64,368	148
Virginia	35	21,396	66,285	31,995	119,676	795	120,505	65,477	768
West Virginia	37	3,316	50,010	126,346	179,671	481	180,188	40,108	193
<b>PAD District 2 Total</b>	<b>11,726</b>	<b>78,568</b>	<b>325,802</b>	<b>221,529</b>	<b>625,899</b>	<b>21,914</b>	<b>659,540</b>	<b>190,490</b>	<b>10,051</b>
Illinois	2,158	13,797	27,500	25,619	66,916	1,370	70,444	3,396	2,952
Indiana	2,121	8,976	35,803	35,126	79,906	-	82,027	10,127	375
Iowa	217	96	11,222	-	11,318	237	11,772	1,777	94
Kansas	271	632	8,524	1,805	10,961	4	11,236	18,637	19
Kentucky	-	188	74,506	67,032	141,726	-	141,726	4,152	440
Michigan	501	5,029	21,259	4,814	31,103	459	32,062	38,415	576
Minnesota	2,754	16,076	18,309	639	35,023	76	37,853	31,656	85
Missouri	515	1,939	24,172	2,957	29,068	3,044	32,626	1,182	109
Nebraska	200	125	3,767	-	3,892	964	5,056	1,885	5
North Dakota	917	434	4,930	14,182	19,546	-	20,462	1,315	197
Ohio	464	13,395	22,219	21,776	57,390	-	57,854	35,608	4,269
Oklahoma	201	111	5,793	1,018	6,923	3,294	10,418	5,218	356
South Dakota	294	106	15,709	74	15,889	-	16,183	901	-
Tennessee	-	101	14,373	26,099	40,573	4,521	45,094	6,516	376
Wisconsin	1,114	17,564	37,715	20,388	75,667	7,944	84,725	29,706	198
<b>PAD District 3 Total</b>	<b>259</b>	<b>6,893</b>	<b>216,744</b>	<b>127,329</b>	<b>350,966</b>	<b>6,578</b>	<b>357,802</b>	<b>195,360</b>	<b>42,668</b>
Alabama	-	467	43,173	62,466	106,106	259	106,365	32,694	901
Arkansas	-	310	19,177	96	19,583	1,272	20,854	2,770	41
Louisiana	-	2,204	17,198	8,135	27,537	-	27,537	23,681	34,981
Mississippi	15	-	4,665	10,216	14,881	310	15,206	4,587	1,272
New Mexico	243	-	34,249	120	34,369	-	34,612	6,347	5
Texas	-	3,912	98,282	46,296	148,491	4,737	153,228	125,281	5,468
<b>PAD District 4 Total</b>	<b>5,501</b>	<b>3,231</b>	<b>225,216</b>	<b>8,136</b>	<b>236,583</b>	<b>143</b>	<b>242,227</b>	<b>13,905</b>	<b>171</b>
Colorado	358	-	35,724	525	36,249	-	36,607	-	89
Idaho	794	3	14,365	1,799	16,167	-	16,961	1,484	6
Montana	1,861	3,169	37,118	58	40,344	-	42,205	-	3
Utah	426	-	36,567	5,649	42,216	-	42,642	12,404	42
Wyoming	2,062	59	101,442	106	101,607	143	103,812	16	31
<b>PAD District 5 Total</b>	<b>20,109</b>	<b>4,465</b>	<b>274,697</b>	<b>60,331</b>	<b>339,493</b>	<b>1,371</b>	<b>360,973</b>	<b>14,658</b>	<b>1,133</b>
Alaska	14,501	1,567	16,081	21,455	39,103	-	53,604	-	1
Arizona	82	-	89,743	1,423	91,166	-	91,248	868	52
California	5,262	2,405	49,072	-	51,477	-	56,739	422	959
Hawaii	-	-	2,689	1,541	4,230	-	4,230	57	2
Nevada	-	1	91,090	21,849	112,940	1,176	114,116	-	5
Oregon	264	3	11,891	6,487	18,381	-	18,645	13,174	47
Washington	-	488	14,131	7,578	22,197	195	22,392	137	67

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 2007. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/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, 2007**  
(Thousand Gallons)

Destination	Farm				Electric Power		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b> .....	<b>3,147,431</b>	<b>55,416</b>	<b>3,202,847</b>	<b>9,531</b>	<b>669,951</b>	<b>2,646,574</b>	<b>774,984</b>	<b>43,972</b>
<b>PAD District 1 Total</b> .....	<b>358,009</b>	<b>12,150</b>	<b>370,159</b>	<b>2,946</b>	<b>276,242</b>	<b>2,086,738</b>	<b>31,154</b>	<b>21,290</b>
<b>Subdistrict 1A Total</b> .....	<b>18,818</b>	<b>6,032</b>	<b>24,850</b>	<b>1,221</b>	<b>12,831</b>	<b>311,508</b>	<b>332</b>	<b>705</b>
Connecticut .....	1,798	366	2,164	1	6,032	64,049	332	150
Maine .....	6,509	4,201	10,710	648	652	16,478	-	532
Massachusetts .....	3,273	201	3,474	1	2,473	216,876	-	-
New Hampshire .....	2,229	886	3,114	209	1,992	14,105	-	23
Rhode Island .....	40	46	87	-	1,505	-	-	-
Vermont .....	4,970	331	5,301	361	176	-	-	-
<b>Subdistrict 1B Total</b> .....	<b>96,794</b>	<b>5,314</b>	<b>102,108</b>	<b>980</b>	<b>132,685</b>	<b>715,339</b>	<b>14,850</b>	<b>20,584</b>
Delaware .....	5,839	-	5,839	8	2,166	6,126	7,100	-
District of Columbia .....	-	-	-	-	6,078	-	-	-
Maryland .....	13,677	62	13,739	115	30,879	47,519	-	873
New Jersey .....	2,030	572	2,602	3	24,095	85,241	-	1,409
New York .....	39,923	2,451	42,374	626	6,302	545,808	10	614
Pennsylvania .....	35,325	2,229	37,554	228	63,164	30,645	7,741	17,688
<b>Subdistrict 1C Total</b> .....	<b>242,397</b>	<b>804</b>	<b>243,200</b>	<b>745</b>	<b>130,726</b>	<b>1,059,892</b>	<b>15,972</b>	<b>-</b>
Florida .....	69,001	-	69,001	7	59,084	978,266	53	-
Georgia .....	68,172	500	68,672	13	1,557	-	188	-
North Carolina .....	49,930	-	49,930	281	22,223	-	153	-
South Carolina .....	20,374	-	20,374	136	10,901	-	329	-
Virginia .....	33,347	260	33,607	270	25,234	81,625	731	-
West Virginia .....	1,573	43	1,617	38	11,727	-	14,518	-
<b>PAD District 2 Total</b> .....	<b>1,596,524</b>	<b>13,621</b>	<b>1,610,145</b>	<b>5,898</b>	<b>194,185</b>	<b>20,280</b>	<b>121,086</b>	<b>2,498</b>
Illinois .....	175,985	359	176,343	397	16,302	-	79	-
Indiana .....	136,331	543	136,874	755	29,220	-	3,065	2,498
Iowa .....	155,346	1,268	156,614	274	20,112	-	-	-
Kansas .....	148,827	409	149,235	109	3,798	-	20,126	-
Kentucky .....	24,308	-	24,308	469	5,066	-	3,136	-
Michigan .....	47,329	922	48,251	68	19,502	16,605	1,997	-
Minnesota .....	114,924	947	115,871	278	13,338	3,675	756	-
Missouri .....	138,517	10	138,527	111	4,736	-	-	-
Nebraska .....	199,851	1,043	200,893	31	1,880	-	1,843	-
North Dakota .....	100,554	850	101,404	21	3,230	-	26,059	-
Ohio .....	107,688	2,676	110,364	2,963	30,261	-	6,312	-
Oklahoma .....	57,403	-	57,403	106	7,307	-	57,149	-
South Dakota .....	59,835	539	60,374	18	5,378	-	95	-
Tennessee .....	36,162	-	36,162	23	21,980	-	8	-
Wisconsin .....	93,464	4,056	97,520	275	12,074	-	462	-
<b>PAD District 3 Total</b> .....	<b>604,338</b>	<b>19,768</b>	<b>624,106</b>	<b>128</b>	<b>31,646</b>	<b>53,757</b>	<b>397,768</b>	<b>10</b>
Alabama .....	32,659	-	32,659	5	2,012	-	320	-
Arkansas .....	212,255	-	212,255	6	3,286	2,709	11,345	-
Louisiana .....	51,507	14	51,521	43	1,379	23,750	54,416	-
Mississippi .....	50,123	-	50,123	1	1,729	27,298	3,823	10
New Mexico .....	15,472	19,438	34,910	12	1,911	-	23,168	-
Texas .....	242,322	316	242,638	62	21,329	-	304,695	-
<b>PAD District 4 Total</b> .....	<b>207,302</b>	<b>9,296</b>	<b>216,598</b>	<b>123</b>	<b>5,794</b>	<b>-</b>	<b>170,071</b>	<b>3,052</b>
Colorado .....	43,695	405	44,100	65	704	-	69,933	-
Idaho .....	54,577	273	54,850	15	28	-	-	-
Montana .....	94,618	8,348	102,966	2	1,603	-	17,060	-
Utah .....	5,885	171	6,056	27	1,024	-	25,275	-
Wyoming .....	8,526	99	8,625	14	2,435	-	57,803	3,052
<b>PAD District 5 Total</b> .....	<b>381,259</b>	<b>582</b>	<b>381,840</b>	<b>436</b>	<b>162,085</b>	<b>485,799</b>	<b>54,905</b>	<b>17,123</b>
Alaska .....	37	9	46	-	47,477	-	40,742	-
Arizona .....	19,184	-	19,184	-	4,838	-	120	-
California .....	268,177	8	268,185	350	4,173	-	12,487	-
Hawaii .....	4,102	1	4,103	-	102,522	485,799	840	17,123
Nevada .....	3,008	27	3,035	1	811	-	617	-
Oregon .....	26,982	534	27,516	32	1,446	-	-	-
Washington .....	59,769	2	59,771	53	817	-	98	-

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 2007. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/1).

**Table 11. Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2007**  
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b> .....	<b>3,634,512</b>	<b>1,923,981</b>	<b>6,326,931</b>	<b>39,801,744</b>	<b>45,360,237</b>	<b>6,326,931</b>
<b>PAD District 1 Total</b> .....	<b>580,632</b>	<b>466,132</b>	<b>2,158,105</b>	<b>11,739,455</b>	<b>12,786,219</b>	<b>2,158,105</b>
<b>Subdistrict 1A Total</b> .....	<b>69,282</b>	<b>43,014</b>	<b>18,029</b>	<b>1,123,563</b>	<b>1,235,859</b>	<b>18,029</b>
Connecticut .....	4,450	6,654	-	303,570	314,674	-
Maine .....	126	8,298	7,960	181,010	189,434	7,960
Massachusetts .....	63,896	21,336	10,004	402,629	487,861	10,004
New Hampshire .....	119	2,740	-	97,695	100,553	-
Rhode Island .....	13	3,987	64	73,882	77,882	64
Vermont .....	678	-	-	64,777	65,455	-
<b>Subdistrict 1B Total</b> .....	<b>210,461</b>	<b>147,629</b>	<b>1,247,389</b>	<b>4,232,345</b>	<b>4,590,435</b>	<b>1,247,389</b>
Delaware .....	1,404	615	49,908	66,271	68,290	49,908
District of Columbia .....	-	11	-	10,710	10,721	-
Maryland .....	11,546	21,380	22,681	573,321	606,247	22,681
New Jersey .....	15,616	87,549	754,876	988,732	1,091,896	754,876
New York .....	63,226	12,339	283,549	1,118,505	1,194,070	283,549
Pennsylvania .....	118,670	25,735	136,375	1,474,806	1,619,211	136,375
<b>Subdistrict 1C Total</b> .....	<b>300,889</b>	<b>275,489</b>	<b>892,688</b>	<b>6,383,547</b>	<b>6,959,925</b>	<b>892,688</b>
Florida .....	74,409	145,269	532,292	1,670,536	1,890,213	532,292
Georgia .....	78,927	14,016	226,914	1,508,118	1,601,061	226,914
North Carolina .....	47,855	8,009	23,066	1,076,721	1,132,585	23,066
South Carolina .....	11,321	18,795	62,748	722,868	752,984	62,748
Virginia .....	72,611	43,971	47,667	1,111,050	1,227,632	47,667
West Virginia .....	15,766	45,429	-	294,254	355,449	-
<b>PAD District 2 Total</b> .....	<b>1,561,277</b>	<b>386,653</b>	<b>42,526</b>	<b>12,627,117</b>	<b>14,575,047</b>	<b>42,526</b>
Illinois .....	40,116	71,805	1,486	1,516,293	1,628,214	1,486
Indiana .....	65,820	29,805	11,520	1,356,498	1,452,123	11,520
Iowa .....	58,640	4,867	-	648,924	712,431	-
Kansas .....	92,323	-	-	489,575	581,898	-
Kentucky .....	170,042	91,516	-	875,135	1,136,693	-
Michigan .....	49,528	8,900	11,543	906,538	964,966	11,543
Minnesota .....	123,390	7,551	16,123	673,758	804,699	16,123
Missouri .....	27,467	34,158	109	1,087,199	1,148,824	109
Nebraska .....	12,732	-	-	434,093	446,825	-
North Dakota .....	124,832	-	-	177,467	302,299	-
Ohio .....	333,069	12,122	133	1,597,741	1,942,933	133
Oklahoma .....	348,832	10,764	-	840,366	1,199,962	-
South Dakota .....	8,572	-	-	202,607	211,179	-
Tennessee .....	76,692	114,703	190	1,061,941	1,253,336	190
Wisconsin .....	29,222	461	1,423	758,982	788,665	1,423
<b>PAD District 3 Total</b> .....	<b>699,882</b>	<b>613,864</b>	<b>1,858,360</b>	<b>7,615,389</b>	<b>8,929,135</b>	<b>1,858,360</b>
Alabama .....	59,852	36,334	54,051	848,402	944,588	54,051
Arkansas .....	20,237	420	-	673,079	693,736	-
Louisiana .....	43,862	351,726	593,392	703,016	1,098,604	593,392
Mississippi .....	46,730	93,581	27,462	625,746	766,056	27,462
New Mexico .....	6,152	-	-	531,013	537,165	-
Texas .....	523,049	131,803	1,183,455	4,234,133	4,888,986	1,183,455
<b>PAD District 4 Total</b> .....	<b>262,644</b>	<b>27</b>	<b>-</b>	<b>1,999,274</b>	<b>2,261,945</b>	<b>-</b>
Colorado .....	4,014	2	-	588,910	592,926	-
Idaho .....	21,070	25	-	275,706	296,801	-
Montana .....	107,710	-	-	263,696	371,406	-
Utah .....	44,721	-	-	480,993	525,714	-
Wyoming .....	85,129	-	-	389,969	475,098	-
<b>PAD District 5 Total</b> .....	<b>530,077</b>	<b>457,306</b>	<b>2,267,939</b>	<b>5,820,509</b>	<b>6,807,892</b>	<b>2,267,939</b>
Alaska .....	6,419	127,614	10,554	174,112	308,145	10,554
Arizona .....	11,940	1	-	865,536	877,477	-
California .....	317,292	104,583	1,590,104	3,091,491	3,513,366	1,590,104
Hawaii .....	4	129,743	179,226	52,692	182,439	179,226
Nevada .....	6,874	25	-	378,182	385,081	-
Oregon .....	82,369	20,502	87,456	560,598	663,469	87,456
Washington .....	105,180	74,838	400,599	697,898	877,916	400,599

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 2007. • 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, 2007**  
(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other	
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Residual Fuel Oil	Kerosene
<b>U.S. Total</b>	<b>202,873</b>	<b>160,272</b>	<b>363,145</b>	<b>17,719</b>	<b>2,206,899</b>	<b>305,496</b>	<b>2,512,394</b>	<b>2,595</b>	<b>1,520</b>
<b>PAD District 1 Total</b>	<b>43,728</b>	<b>21,922</b>	<b>65,650</b>	<b>15,618</b>	<b>725,162</b>	<b>108,357</b>	<b>833,519</b>	<b>58</b>	<b>795</b>
<b>Subdistrict 1A Total</b>	<b>8,260</b>	<b>4,350</b>	<b>12,611</b>	<b>1,880</b>	<b>84,399</b>	<b>8,355</b>	<b>92,754</b>	<b>40</b>	<b>232</b>
Connecticut	1,660	-	1,660	599	20,723	435	21,159	40	8
Maine	3,551	1,799	5,349	-	8,723	3,470	12,193	-	16
Massachusetts	2,125	257	2,382	1,280	36,900	2,116	39,016	-	-
New Hampshire	815	575	1,390	-	10,074	1,421	11,495	-	6
Rhode Island	19	1,716	1,735	-	4,540	-	4,540	-	-
Vermont	90	3	93	-	3,439	913	4,352	-	203
<b>Subdistrict 1B Total</b>	<b>12,921</b>	<b>15,466</b>	<b>28,387</b>	<b>7,518</b>	<b>195,980</b>	<b>30,705</b>	<b>226,685</b>	<b>17</b>	<b>408</b>
Delaware	99	81	180	-	3,118	31	3,149	-	-
District of Columbia	598	-	598	-	1,988	-	1,988	-	-
Maryland	3,950	2,491	6,441	6,638	34,192	1,175	35,368	-	10
New Jersey	3,951	45	3,996	-	46,731	18,674	65,404	-	81
New York	3,058	5,116	8,174	-	51,395	286	51,681	17	205
Pennsylvania	1,265	7,733	8,998	880	58,556	10,540	69,096	-	112
<b>Subdistrict 1C Total</b>	<b>22,547</b>	<b>2,105</b>	<b>24,653</b>	<b>6,221</b>	<b>444,783</b>	<b>69,297</b>	<b>514,080</b>	-	<b>154</b>
Florida	4,444	-	4,444	-	112,763	11,360	124,123	-	-
Georgia	2,502	13	2,515	-	99,880	24,128	124,009	-	5
North Carolina	3,848	420	4,268	606	44,834	8,532	53,366	-	6
South Carolina	6,479	8	6,487	-	39,884	11,897	51,781	-	22
Virginia	4,812	1,557	6,369	5,615	127,168	11,432	138,601	-	118
West Virginia	462	108	570	-	20,254	1,947	22,201	-	3
<b>PAD District 2 Total</b>	<b>7,549</b>	<b>867</b>	<b>8,416</b>	-	<b>638,726</b>	<b>48,205</b>	<b>686,931</b>	<b>2,538</b>	<b>520</b>
Illinois	266	-	266	-	109,254	813	110,067	-	124
Indiana	12	-	12	-	30,265	3,195	33,460	-	19
Iowa	38	-	38	-	18,387	6,378	24,765	-	61
Kansas	812	10	822	-	19,321	2,251	21,572	-	11
Kentucky	919	188	1,107	-	25,512	1,245	26,757	-	47
Michigan	1,184	-	1,184	-	42,612	5,170	47,782	412	6
Minnesota	292	1	293	-	55,463	2,501	57,964	-	9
Missouri	1,738	665	2,403	-	65,921	2,341	68,262	-	-
Nebraska	48	-	48	-	43,043	1,318	44,362	-	37
North Dakota	367	-	367	-	10,405	1,336	11,741	1,414	-
Ohio	72	-	72	-	66,307	1,849	68,156	711	58
Oklahoma	452	-	452	-	42,737	1,924	44,661	-	19
South Dakota	927	2	929	-	9,505	778	10,283	-	-
Tennessee	181	-	181	-	54,780	11,157	65,938	-	16
Wisconsin	240	-	240	-	45,215	5,949	51,163	-	113
<b>PAD District 3 Total</b>	<b>45,555</b>	<b>1,307</b>	<b>46,862</b>	<b>417</b>	<b>372,960</b>	<b>107,372</b>	<b>480,332</b>	-	<b>47</b>
Alabama	1,369	1,254	2,622	-	32,724	30,019	62,743	-	1
Arkansas	284	-	284	-	13,033	35,011	48,044	-	-
Louisiana	11,319	-	11,319	-	63,112	13,019	76,131	-	1
Mississippi	722	53	775	-	38,704	20,550	59,253	-	-
New Mexico	839	-	839	-	2,414	821	3,235	-	21
Texas	31,023	-	31,023	417	222,972	7,954	230,926	-	23
<b>PAD District 4 Total</b>	<b>950</b>	<b>238</b>	<b>1,188</b>	-	<b>132,890</b>	<b>16,427</b>	<b>149,317</b>	-	<b>19</b>
Colorado	553	-	553	-	48,129	422	48,550	-	1
Idaho	247	-	247	-	14,715	8,647	23,362	-	-
Montana	145	232	377	-	17,380	4,946	22,325	-	-
Utah	6	6	11	-	34,109	1,111	35,219	-	17
Wyoming	-	-	-	-	18,558	1,302	19,860	-	-
<b>PAD District 5 Total</b>	<b>105,090</b>	<b>135,939</b>	<b>241,029</b>	<b>1,685</b>	<b>337,161</b>	<b>25,134</b>	<b>362,295</b>	-	<b>140</b>
Alaska	6,835	5,554	12,390	-	14,833	1,766	16,599	-	126
Arizona	1,237	-	1,237	-	64,960	1,848	66,808	-	2
California	11,984	-	11,984	1,680	130,665	4,662	135,327	-	8
Hawaii	75,189	-	75,189	-	9,409	5	9,414	-	-
Nevada	1,868	-	1,868	5	29,726	6	29,733	-	1
Oregon	2,027	-	2,027	-	14,939	7,986	22,925	-	1
Washington	5,950	130,384	136,335	-	72,627	8,861	81,488	-	1

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 2007. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/1).

## Adjusted Sales of Fuel Oil and Kerosene in 2007

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 2003 through 2007 issues of the *Petroleum Supply Annual, Volume 1 (PSA)*. In addition, electric power generation data and on-highway diesel data are used in lieu of adjusted survey results. See “Technical Note 3” in Appendix A for further explanation of data adjustments.

Total domestic adjusted sales of fuel oil and kerosene increased 0.8 percent from 75.3 billion gallons in 2006 to 75.9 billion gallons in 2007. Adjusted sales of distillate and residual fuel oils increased 0.6 and 4.9 percent respectively, while kerosene decreased 40.1 percent in 2007.

**NOTE:** The 2006 adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2006*. 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 2006*, the “Electric Power” information was still being collected and verified.

**Table 13. Adjusted Sales of Distillate Fuel Oil by Energy Use in the United States: 2003-2007**  
(Thousand Gallons)

Energy Use	Distillate Fuel Oil				
	2003	2004	2005	2006	2007
<b>U.S. Total</b> .....	<b>60,201,666</b>	<b>62,383,608</b>	<b>63,129,150</b>	<b>63,912,660</b>	<b>64,323,294</b>
Residential .....	6,095,568	5,975,966	5,565,489	<sup>R</sup> 4,769,273	5,023,148
Commercial .....	3,184,539	3,186,596	3,048,881	<sup>R</sup> 2,846,623	2,764,929
Industrial .....	2,032,835	2,411,204	2,506,975	<sup>R</sup> 2,684,735	2,555,151
Oil Company .....	466,425	553,427	504,483	<sup>R</sup> 740,347	878,958
Farm .....	2,696,987	3,498,871	3,539,682	<sup>R</sup> 3,840,520	3,506,053
Electric Power .....	1,233,615	807,251	805,505	<sup>R</sup> 499,011	648,465
Railroad .....	3,086,390	3,302,209	3,679,575	<sup>R</sup> 4,123,195	3,936,258
Vessel Bunkering .....	1,863,150	2,313,448	2,115,381	<sup>R</sup> 2,206,690	2,159,925
On-Highway Diesel .....	37,103,563	37,125,239	38,053,129	39,118,301	39,801,744
Military .....	273,754	356,931	272,259	<sup>R</sup> 367,994	372,689
Off-Highway .....	2,164,839	2,852,466	3,037,791	<sup>R</sup> 2,715,971	2,675,973

R = Revised.

Notes: • See Technical Note 3 for further explanations on 2006 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 2003-2007 and "Petroleum Supply Annual," Volume 1, 2003-2007, (DOE/EIA-0340(03)/1 - (07)/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: 2003-2007**  
(Thousand Gallons)

Energy Use	Residual Fuel Oil				
	2003	2004	2005	2006	2007
<b>U.S. Total</b> .....	<b>11,836,776</b>	<b>13,292,286</b>	<b>14,103,222</b>	<b>10,560,018</b>	<b>11,082,162</b>
Commercial .....	741,823	814,706	769,742	<sup>R</sup> 499,679	514,407
Industrial .....	1,387,615	1,604,346	1,785,080	<sup>R</sup> 1,514,013	1,268,809
Oil Company .....	82,527	48,779	79,124	<sup>R</sup> 68,046	46,990
Electric Power .....	5,811,820	5,904,875	5,898,314	<sup>R</sup> 2,458,851	2,469,075
Vessel Bunkering .....	3,801,425	4,886,978	5,533,552	<sup>R</sup> 6,000,434	6,761,173
Military .....	10,057	31,555	31,669	<sup>R</sup> 12,520	18,935
All Other .....	1,509	1,046	5,741	<sup>R</sup> 6,476	2,774

R = Revised.

Notes: • See "Technical Note 3" for further explanations on 2006 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 2003-2007 and "Petroleum Supply Annual," Volume 1, 2003-2007, (DOE/EIA-0340(03)/1 - (07)/1). • See Technical Note 3 for further explanation of Electric Power.



**Table 15. Adjusted Sales of Kerosene by Energy Use in the United States: 2003-2007**  
(Thousand Gallons)

Energy Use	Kerosene				
	2003	2004	2005	2006	2007
<b>U.S. Total</b> .....	<b>837,480</b>	<b>988,680</b>	<b>1,070,160</b>	<b>822,990</b>	<b>492,702</b>
Residential .....	520,799	627,842	620,767	491,508	325,320
Commercial .....	138,049	151,811	159,943	112,392	67,960
Industrial .....	164,386	192,588	267,450	202,590	88,372
Farm .....	11,674	14,757	19,875	15,064	9,531
All Other .....	2,572	1,683	2,124	1,435	1,520

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 2003-2007 and "Petroleum Supply Annual," Volume 1, 2003-2007, (DOE/EIA-0340(03)/1 - (07)/1).

**Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	R2006	2007	R2006	2007	R2006	2007
<b>U.S. Total</b>	<b>4,769,273</b>	<b>5,023,148</b>	<b>2,846,623</b>	<b>2,764,929</b>	<b>2,684,735</b>	<b>2,555,151</b>
<b>PAD District 1 Total</b>	<b>4,054,212</b>	<b>4,439,613</b>	<b>1,755,379</b>	<b>1,738,103</b>	<b>804,956</b>	<b>818,950</b>
<b>Subdistrict 1A Total</b>	<b>1,704,401</b>	<b>1,810,469</b>	<b>420,578</b>	<b>453,290</b>	<b>55,466</b>	<b>55,758</b>
Connecticut	486,255	520,339	102,781	104,072	13,565	12,881
Maine	280,230	289,490	98,328	116,968	13,720	15,748
Massachusetts	589,974	633,886	123,111	129,838	10,084	13,176
New Hampshire	159,789	162,383	42,755	44,397	7,650	5,436
Rhode Island	108,228	118,263	22,975	27,442	2,862	2,051
Vermont	79,925	86,107	30,629	30,574	7,584	6,466
<b>Subdistrict 1B Total</b>	<b>2,076,015</b>	<b>2,353,323</b>	<b>974,044</b>	<b>982,085</b>	<b>250,678</b>	<b>285,297</b>
Delaware	26,643	25,468	10,668	9,546	3,058	1,957
District of Columbia	6,892	8,176	13,141	12,131	-	42
Maryland	127,656	133,750	67,935	47,435	19,895	14,023
New Jersey	266,952	300,436	78,900	133,659	21,330	13,094
New York	1,010,503	1,201,435	588,343	582,953	57,859	53,653
Pennsylvania	637,368	684,058	215,057	196,361	148,536	202,527
<b>Subdistrict 1C Total</b>	<b>273,796</b>	<b>275,820</b>	<b>360,756</b>	<b>302,727</b>	<b>498,812</b>	<b>477,896</b>
Florida	3,170	2,011	140,735	92,036	84,162	67,002
Georgia	1,157	1,129	30,666	33,319	55,418	42,373
North Carolina	76,557	78,713	55,478	59,929	69,133	56,468
South Carolina	7,962	6,845	26,175	27,633	23,527	21,099
Virginia	170,605	173,951	101,502	83,356	100,256	116,602
West Virginia	14,344	13,171	6,200	6,454	166,317	174,352
<b>PAD District 2 Total</b>	<b>507,824</b>	<b>432,049</b>	<b>523,079</b>	<b>450,000</b>	<b>816,503</b>	<b>725,829</b>
Illinois	9,178	7,024	47,137	33,757	72,749	77,525
Indiana	31,328	21,644	68,505	45,222	126,305	90,271
Iowa	12,317	10,400	32,275	11,206	13,378	12,955
Kansas	152	104	14,828	12,101	12,185	12,366
Kentucky	13,014	11,138	38,265	29,986	176,784	155,970
Michigan	76,813	62,255	68,282	51,223	37,916	35,284
Minnesota	78,751	70,098	34,005	33,013	57,692	41,657
Missouri	7,708	6,489	22,213	16,722	35,024	35,906
Nebraska	5,193	2,390	9,651	8,576	4,781	5,564
North Dakota	23,583	21,317	7,637	7,269	33,124	22,519
Ohio	112,241	114,139	78,370	80,142	70,632	63,669
Oklahoma	49	1,369	14,903	21,466	19,188	11,466
South Dakota	11,208	8,024	8,071	10,218	5,386	17,810
Tennessee	5,469	5,766	33,217	43,234	56,939	49,626
Wisconsin	120,822	89,892	45,718	45,865	94,418	93,241
<b>PAD District 3 Total</b>	<b>1,148</b>	<b>1,177</b>	<b>264,916</b>	<b>322,547</b>	<b>516,119</b>	<b>487,971</b>
Alabama	503	469	82,983	71,145	163,922	145,061
Arkansas	140	176	5,021	5,071	45,242	28,441
Louisiana	309	297	18,733	34,404	32,433	37,555
Mississippi	10	17	10,853	63,949	17,691	20,738
New Mexico	168	204	16,316	10,635	52,411	47,204
Texas	17	15	131,009	137,344	204,419	208,972
<b>PAD District 4 Total</b>	<b>21,931</b>	<b>14,827</b>	<b>57,300</b>	<b>41,086</b>	<b>183,741</b>	<b>170,219</b>
Colorado	322	220	22,330	12,956	29,845	25,725
Idaho	12,678	7,191	9,699	7,455	12,338	11,919
Montana	6,664	5,703	7,300	5,064	20,284	29,658
Utah	982	813	14,823	13,094	33,686	29,965
Wyoming	1,284	899	3,148	2,517	87,587	72,952
<b>PAD District 5 Total</b>	<b>184,158</b>	<b>135,482</b>	<b>245,949</b>	<b>213,192</b>	<b>363,416</b>	<b>352,182</b>
Alaska	86,192	58,687	52,044	39,487	58,227	52,298
Arizona	156	91	20,455	25,780	95,579	89,026
California	6,841	3,857	66,071	73,795	55,606	55,357
Hawaii	148	129	17,480	11,336	3,193	4,127
Nevada	7,017	5,916	23,230	12,300	117,275	111,337
Oregon	28,964	22,453	21,267	18,965	19,837	18,191
Washington	54,842	44,350	45,402	31,530	13,699	21,846

See footnotes at end of table.

**Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Power	
	R2006	2007	R2006	2007	R2006	2007
<b>U.S. Total</b> .....	<b>740,347</b>	<b>878,958</b>	<b>3,840,520</b>	<b>3,506,053</b>	<b>499,011</b>	<b>648,465</b>
<b>PAD District 1 Total</b> .....	<b>23,867</b>	<b>30,145</b>	<b>371,973</b>	<b>358,169</b>	<b>222,165</b>	<b>267,382</b>
<b>Subdistrict 1A Total</b> .....	<b>-</b>	<b>321</b>	<b>27,639</b>	<b>24,045</b>	<b>11,919</b>	<b>12,419</b>
Connecticut .....	-	321	4,543	2,094	3,690	5,839
Maine .....	-	-	8,596	10,363	202	631
Massachusetts .....	-	-	4,785	3,361	6,375	2,394
New Hampshire .....	-	-	3,906	3,014	637	1,928
Rhode Island .....	-	-	304	84	841	1,457
Vermont .....	-	-	5,506	5,129	174	170
<b>Subdistrict 1B Total</b> .....	<b>11,144</b>	<b>14,369</b>	<b>106,726</b>	<b>98,801</b>	<b>106,827</b>	<b>128,429</b>
Delaware .....	3,310	6,870	5,549	5,650	3,189	2,097
District of Columbia .....	-	-	-	-	6,447	5,883
Maryland .....	-	-	16,854	13,294	14,325	29,889
New Jersey .....	350	-	4,564	2,518	24,128	23,322
New York .....	-	10	35,728	41,001	13,559	6,100
Pennsylvania .....	7,484	7,490	44,030	36,338	45,179	61,138
<b>Subdistrict 1C Total</b> .....	<b>12,723</b>	<b>15,455</b>	<b>237,608</b>	<b>235,323</b>	<b>103,419</b>	<b>126,534</b>
Florida .....	-	51	84,020	66,766	52,574	57,189
Georgia .....	190	182	71,642	66,448	5,318	1,507
North Carolina .....	-	148	32,395	48,313	13,401	21,510
South Carolina .....	-	319	17,717	19,714	9,982	10,551
Virginia .....	811	708	30,163	32,519	9,296	24,425
West Virginia .....	11,722	14,047	1,671	1,564	12,848	11,351
<b>PAD District 2 Total</b> .....	<b>137,100</b>	<b>133,256</b>	<b>1,978,131</b>	<b>1,771,978</b>	<b>106,877</b>	<b>187,958</b>
Illinois .....	21	87	229,530	194,067	10,166	15,779
Indiana .....	2,052	3,373	129,011	150,631	12,082	28,283
Iowa .....	-	-	192,734	172,355	9,406	19,467
Kansas .....	33,596	22,149	216,564	164,235	2,385	3,677
Kentucky .....	4,065	3,451	31,102	26,752	6,947	4,903
Michigan .....	2,090	2,197	55,284	53,101	15,207	18,877
Minnesota .....	764	832	141,197	127,517	3,942	12,911
Missouri .....	-	-	171,628	152,451	3,202	4,584
Nebraska .....	-	2,028	239,266	221,085	4,389	1,819
North Dakota .....	23,306	28,678	125,182	111,595	2,467	3,127
Ohio .....	7,139	6,946	140,755	121,456	23,884	29,291
Oklahoma .....	63,974	62,893	71,912	63,173	1,436	7,072
South Dakota .....	-	105	70,873	66,442	658	5,205
Tennessee .....	93	9	43,977	39,796	5,908	21,275
Wisconsin .....	-	509	119,117	107,322	4,798	11,687
<b>PAD District 3 Total</b> .....	<b>412,113</b>	<b>542,476</b>	<b>802,192</b>	<b>851,157</b>	<b>26,452</b>	<b>30,631</b>
Alabama .....	2,574	436	37,307	44,541	4,866	1,948
Arkansas .....	3,962	15,473	288,901	289,473	2,034	3,181
Louisiana .....	69,825	74,213	75,734	70,265	1,663	1,335
Mississippi .....	2,853	5,214	59,386	68,358	965	1,673
New Mexico .....	33,967	31,597	25,339	47,611	2,244	1,849
Texas .....	298,931	415,544	315,524	330,910	14,679	20,645
<b>PAD District 4 Total</b> .....	<b>133,385</b>	<b>119,513</b>	<b>164,019</b>	<b>152,208</b>	<b>7,822</b>	<b>5,608</b>
Colorado .....	37,230	49,144	31,016	30,990	344	681
Idaho .....	-	-	51,081	38,545	14	27
Montana .....	17,751	11,988	68,396	72,357	1,467	1,552
Utah .....	29,058	17,761	6,882	4,256	1,713	991
Wyoming .....	49,346	40,620	6,644	6,061	4,284	2,357
<b>PAD District 5 Total</b> .....	<b>33,882</b>	<b>53,568</b>	<b>524,205</b>	<b>372,541</b>	<b>135,694</b>	<b>156,887</b>
Alaska .....	23,356	39,750	77	45	43,166	45,954
Arizona .....	-	117	20,580	18,716	4,196	4,683
California .....	8,877	12,183	377,329	261,653	3,804	4,039
Hawaii .....	414	820	5,868	4,003	77,958	99,234
Nevada .....	1,198	602	2,637	2,961	1,040	785
Oregon .....	-	-	28,184	26,846	4,827	1,400
Washington .....	37	95	89,530	58,316	703	791

See footnotes at end of table.

**Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	R2006	2007	R2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>4,123,195</b>	<b>3,936,258</b>	<b>2,206,690</b>	<b>2,159,925</b>	<b>39,118,301</b>	<b>39,801,744</b>
<b>PAD District 1 Total</b> .....	<b>605,226</b>	<b>561,825</b>	<b>471,960</b>	<b>451,034</b>	<b>11,757,701</b>	<b>11,739,455</b>
<b>Subdistrict 1A Total</b> .....	<b>70,513</b>	<b>67,038</b>	<b>45,257</b>	<b>41,621</b>	<b>1,096,863</b>	<b>1,123,563</b>
Connecticut .....	3,385	4,306	6,548	6,438	300,414	303,570
Maine .....	45	122	8,053	8,029	178,890	181,010
Massachusetts .....	66,155	61,826	21,532	20,645	393,119	402,629
New Hampshire .....	119	115	2,871	2,651	101,295	97,695
Rhode Island .....	128	13	6,253	3,858	57,243	73,882
Vermont .....	680	656	-	-	65,902	64,777
<b>Subdistrict 1B Total</b> .....	<b>219,940</b>	<b>203,644</b>	<b>90,178</b>	<b>142,847</b>	<b>4,213,100</b>	<b>4,232,345</b>
Delaware .....	1,034	1,358	449	595	66,844	66,271
District of Columbia .....	1,179	-	7	10	8,278	10,710
Maryland .....	16,581	11,172	20,811	20,688	558,703	573,321
New Jersey .....	15,627	15,110	34,596	84,713	967,337	988,732
New York .....	80,554	61,178	10,458	11,940	1,096,953	1,118,505
Pennsylvania .....	104,965	114,826	23,857	24,901	1,514,985	1,474,806
<b>Subdistrict 1C Total</b> .....	<b>314,774</b>	<b>291,143</b>	<b>336,525</b>	<b>266,566</b>	<b>6,447,738</b>	<b>6,383,547</b>
Florida .....	71,382	71,998	124,846	140,564	1,781,528	1,670,536
Georgia .....	115,406	76,371	18,564	13,562	1,526,745	1,508,118
North Carolina .....	40,905	46,305	9,047	7,750	1,076,034	1,076,721
South Carolina .....	8,965	10,954	21,883	18,186	695,953	722,868
Virginia .....	64,357	70,259	110,218	42,547	1,072,989	1,111,050
West Virginia .....	13,759	15,255	51,967	43,958	294,492	294,254
<b>PAD District 2 Total</b> .....	<b>1,613,342</b>	<b>1,718,198</b>	<b>432,102</b>	<b>425,514</b>	<b>12,359,850</b>	<b>12,627,117</b>
Illinois .....	44,626	44,148	99,386	79,022	1,494,346	1,516,293
Indiana .....	101,845	72,436	32,772	32,801	1,348,615	1,356,498
Iowa .....	47,894	64,534	3,037	5,357	601,638	648,924
Kansas .....	119,252	101,602	-	-	436,577	489,575
Kentucky .....	137,753	187,132	106,151	100,714	888,016	875,135
Michigan .....	39,379	54,506	9,294	9,794	929,040	906,538
Minnesota .....	82,976	135,792	14,902	8,310	670,560	673,758
Missouri .....	40,687	30,227	24,583	37,591	1,069,393	1,087,199
Nebraska .....	49,793	14,012	-	-	409,879	434,093
North Dakota .....	72,389	137,379	-	-	165,671	177,467
Ohio .....	306,162	366,545	5,284	13,341	1,587,761	1,597,741
Oklahoma .....	440,689	383,893	11,065	11,846	773,308	840,366
South Dakota .....	6,451	9,433	-	-	187,722	202,607
Tennessee .....	91,493	84,400	121,359	126,231	1,040,248	1,061,941
Wisconsin .....	31,955	32,159	4,269	507	757,076	758,982
<b>PAD District 3 Total</b> .....	<b>1,154,042</b>	<b>954,501</b>	<b>886,820</b>	<b>837,189</b>	<b>7,345,812</b>	<b>7,615,389</b>
Alabama .....	82,443	81,627	96,016	49,552	790,822	848,402
Arkansas .....	29,835	27,599	551	573	650,856	673,079
Louisiana .....	58,176	59,819	503,921	479,685	778,989	703,016
Mississippi .....	44,214	63,730	95,091	127,625	642,420	625,746
New Mexico .....	22,196	8,391	-	-	519,863	531,013
Texas .....	917,178	713,336	191,240	179,753	3,962,862	4,234,133
<b>PAD District 4 Total</b> .....	<b>192,016</b>	<b>184,566</b>	<b>3</b>	<b>19</b>	<b>1,942,006</b>	<b>1,999,274</b>
Colorado .....	3,465	2,821	1	1	565,164	588,910
Idaho .....	16,199	14,806	2	18	262,068	275,706
Montana .....	61,008	75,691	-	-	257,622	263,696
Utah .....	26,034	31,426	-	-	499,542	480,993
Wyoming .....	85,310	59,822	-	-	357,610	389,969
<b>PAD District 5 Total</b> .....	<b>558,568</b>	<b>517,167</b>	<b>415,805</b>	<b>446,168</b>	<b>5,712,932</b>	<b>5,820,509</b>
Alaska .....	6,723	6,262	137,696	124,506	183,086	174,112
Arizona .....	15,037	11,649	25	1	870,267	865,536
California .....	344,459	309,565	121,101	102,036	2,974,021	3,091,491
Hawaii .....	-	3	79,801	126,583	50,827	52,692
Nevada .....	7,898	6,707	26	24	389,954	378,182
Oregon .....	82,909	80,362	16,227	20,003	542,834	560,598
Washington .....	101,543	102,619	60,929	73,016	701,943	697,898

See footnotes at end of table.

**Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Military		Off-Highway		Total	
	R2006	2007	R2006	2007	2006	2007
<b>U.S. Total</b>	<b>367,994</b>	<b>372,689</b>	<b>2,715,971</b>	<b>2,675,973</b>	<b>63,912,660</b>	<b>64,323,294</b>
<b>PAD District 1 Total</b>	<b>60,643</b>	<b>63,524</b>	<b>800,183</b>	<b>806,521</b>	<b>20,928,264</b>	<b>21,274,722</b>
<b>Subdistrict 1A Total</b>	<b>8,983</b>	<b>12,202</b>	<b>95,217</b>	<b>89,750</b>	<b>3,536,836</b>	<b>3,690,477</b>
Connecticut	558	1,607	18,823	20,473	940,563	981,940
Maine	5,004	5,176	8,605	11,799	601,672	639,336
Massachusetts	743	2,305	45,145	37,752	1,261,024	1,307,813
New Hampshire	1,250	1,345	11,556	11,122	331,827	330,086
Rhode Island	1,361	1,679	4,969	4,393	205,165	233,121
Vermont	68	90	6,117	4,211	196,586	198,181
<b>Subdistrict 1B Total</b>	<b>16,008</b>	<b>27,467</b>	<b>221,051</b>	<b>219,343</b>	<b>8,285,710</b>	<b>8,687,952</b>
Delaware	151	174	5,817	3,047	126,714	123,034
District of Columbia	299	579	1,575	1,923	37,818	39,454
Maryland	5,337	6,232	43,824	34,222	891,920	884,026
New Jersey	2,575	3,867	57,869	63,286	1,474,228	1,628,736
New York	2,761	7,909	36,993	50,007	2,933,711	3,134,690
Pennsylvania	4,885	8,706	74,972	66,858	2,821,319	2,878,011
<b>Subdistrict 1C Total</b>	<b>35,652</b>	<b>23,854</b>	<b>483,915</b>	<b>497,429</b>	<b>9,105,718</b>	<b>8,896,294</b>
Florida	2,834	4,300	144,179	120,102	2,489,427	2,292,555
Georgia	2,493	2,434	95,101	119,992	1,922,701	1,865,434
North Carolina	3,307	4,130	46,050	51,637	1,422,306	1,451,623
South Carolina	10,022	6,277	54,266	50,104	876,452	894,551
Virginia	16,805	6,163	127,894	134,111	1,804,897	1,795,690
West Virginia	191	552	16,424	21,482	589,935	596,440
<b>PAD District 2 Total</b>	<b>13,968</b>	<b>9,261</b>	<b>749,826</b>	<b>755,974</b>	<b>19,238,604</b>	<b>19,237,134</b>
Illinois	1,018	293	124,927	121,129	2,133,083	2,089,125
Indiana	25	14	42,916	36,823	1,895,456	1,837,995
Iowa	44	42	19,583	27,254	932,307	972,495
Kansas	766	905	18,519	23,740	854,825	830,453
Kentucky	864	1,218	44,092	29,446	1,447,053	1,425,846
Michigan	1,584	1,304	58,988	52,584	1,293,878	1,247,664
Minnesota	1,132	323	70,903	63,790	1,156,824	1,168,000
Missouri	3,042	2,644	58,361	75,123	1,435,842	1,448,936
Nebraska	491	53	19,957	48,820	743,400	738,440
North Dakota	482	403	11,868	12,921	465,709	522,676
Ohio	162	79	85,008	75,006	2,417,398	2,468,357
Oklahoma	544	498	38,926	49,150	1,435,993	1,453,190
South Dakota	1,146	1,023	10,367	11,316	301,881	332,181
Tennessee	867	199	74,370	72,565	1,473,940	1,505,043
Wisconsin	1,802	265	71,042	56,306	1,251,016	1,196,734
<b>PAD District 3 Total</b>	<b>108,204</b>	<b>63,910</b>	<b>593,974</b>	<b>655,078</b>	<b>12,111,792</b>	<b>12,362,028</b>
Alabama	3,238	3,576	97,827	85,569	1,362,502	1,332,325
Arkansas	324	387	38,330	65,523	1,065,197	1,108,976
Louisiana	62,232	15,436	96,613	103,827	1,698,630	1,579,852
Mississippi	323	1,057	74,087	80,810	947,893	1,058,918
New Mexico	1,078	1,144	8,252	4,411	681,835	684,058
Texas	41,010	42,309	278,865	314,937	6,355,735	6,597,899
<b>PAD District 4 Total</b>	<b>1,280</b>	<b>835</b>	<b>155,648</b>	<b>104,929</b>	<b>2,859,150</b>	<b>2,793,084</b>
Colorado	660	389	46,866	34,118	737,243	745,954
Idaho	356	174	17,901	16,417	382,336	372,258
Montana	251	265	18,263	15,689	459,007	481,663
Utah	1	8	55,406	24,750	668,127	604,057
Wyoming	12	-	17,213	13,956	612,438	589,153
<b>PAD District 5 Total</b>	<b>183,899</b>	<b>235,159</b>	<b>416,340</b>	<b>353,471</b>	<b>8,774,850</b>	<b>8,656,326</b>
Alaska	15,084	12,088	15,921	16,195	621,572	569,384
Arizona	1,056	1,207	86,502	65,181	1,113,853	1,081,986
California	10,681	11,692	176,619	132,032	4,145,408	4,057,701
Hawaii	15,687	73,358	10,883	9,185	262,259	381,470
Nevada	1,986	1,822	29,387	29,008	581,648	549,645
Oregon	2,496	1,977	34,912	22,367	782,456	773,162
Washington	136,910	133,014	62,116	79,504	1,267,655	1,242,978

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

Notes: • See "Technical Note 3" for further explanations on 2006 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 2006-2007 and "Petroleum Supply Annual," Volume 1, 2006-2007, (DOE/EIA-0340(06)/1 - (07)/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, 2006 and 2007**

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Power	
	R2006	2007	R2006	2007	R2006	2007	R2006	2007
<b>U.S. Total</b>	<b>499,679</b>	<b>514,407</b>	<b>1,514,013</b>	<b>1,268,809</b>	<b>68,046</b>	<b>46,990</b>	<b>2,458,851</b>	<b>2,469,075</b>
<b>PAD District 1 Total</b>	<b>480,575</b>	<b>504,950</b>	<b>909,943</b>	<b>825,954</b>	<b>21,770</b>	<b>22,751</b>	<b>1,928,268</b>	<b>1,946,786</b>
<b>Subdistrict 1A Total</b>	<b>106,903</b>	<b>94,212</b>	<b>249,259</b>	<b>208,001</b>	<b>233</b>	<b>754</b>	<b>280,890</b>	<b>290,616</b>
Connecticut	13,219	8,152	24,206	16,655	233	160	79,308	59,753
Maine	11,688	17,499	137,193	118,336	-	569	11,465	15,373
Massachusetts	48,836	35,828	46,548	41,508	-	-	171,252	202,330
New Hampshire	17,055	18,953	26,796	17,482	-	25	18,865	13,159
Rhode Island	10,697	10,050	9,068	7,525	-	-	-	-
Vermont	5,407	3,729	5,447	6,494	-	-	-	-
<b>Subdistrict 1B Total</b>	<b>361,288</b>	<b>406,269</b>	<b>181,203</b>	<b>168,729</b>	<b>21,080</b>	<b>21,997</b>	<b>600,660</b>	<b>667,363</b>
Delaware	6,835	4,581	25,418	22,278	-	-	-	5,715
Maryland	2,002	781	30,809	27,122	839	932	33,682	44,332
New Jersey	9,040	10,005	17,770	20,473	1,814	1,506	181,279	79,524
New York	331,450	374,216	53,772	62,009	541	656	333,091	509,202
Pennsylvania	11,962	16,686	53,434	36,847	17,886	18,902	52,608	28,589
<b>Subdistrict 1C Total</b>	<b>12,384</b>	<b>4,470</b>	<b>479,481</b>	<b>449,224</b>	<b>458</b>	<b>-</b>	<b>1,046,717</b>	<b>988,807</b>
Florida	3,408	1,764	101,274	75,460	-	-	996,757	912,656
Georgia	-	-	79,827	57,604	-	-	6,567	-
North Carolina	6,733	1,308	161,377	134,542	116	-	-	-
South Carolina	700	617	76,190	68,786	122	-	118	-
Virginia	1,544	782	46,772	69,971	220	-	43,276	76,151
West Virginia	-	-	14,041	42,861	-	-	-	-
<b>PAD District 2 Total</b>	<b>17,184</b>	<b>7,243</b>	<b>227,971</b>	<b>203,564</b>	<b>3,604</b>	<b>2,670</b>	<b>14,119</b>	<b>18,920</b>
Illinois	45	-	7,497	3,630	-	-	567	-
Indiana	-	155	35,461	10,822	3,078	2,670	-	-
Iowa	109	-	1,856	1,899	-	-	-	-
Kansas	-	-	25,840	19,916	-	-	6,838	-
Kentucky	-	-	4,916	4,437	-	-	-	-
Michigan	77	-	28,505	41,051	-	-	6,025	15,491
Minnesota	9,805	3,770	16,522	33,829	-	-	689	3,428
Missouri	387	251	2,136	1,263	-	-	-	-
Nebraska	1,718	-	1,416	2,015	-	-	-	-
North Dakota	421	1,110	2,166	1,405	526	-	-	-
Ohio	1,176	39	56,202	38,051	-	-	-	-
Oklahoma	-	-	10,262	5,576	-	-	-	-
South Dakota	50	518	1,151	963	-	-	-	-
Tennessee	-	342	7,368	6,963	-	-	-	-
Wisconsin	3,397	1,059	26,673	31,744	-	-	-	-
<b>PAD District 3 Total</b>	<b>41</b>	<b>592</b>	<b>335,216</b>	<b>208,768</b>	<b>24</b>	<b>10</b>	<b>56,608</b>	<b>50,152</b>
Alabama	41	-	31,964	34,938	-	-	-	-
Arkansas	-	-	183	2,961	-	-	44	2,527
Louisiana	-	-	133,595	25,307	16	-	26,788	22,157
Mississippi	-	-	2,734	4,902	9	10	26,773	25,467
New Mexico	-	-	3,031	6,782	-	-	-	-
Texas	-	592	163,708	133,880	-	-	3,003	-
<b>PAD District 4 Total</b>	<b>32</b>	<b>-</b>	<b>15,953</b>	<b>14,859</b>	<b>8,811</b>	<b>3,261</b>	<b>-</b>	<b>-</b>
Colorado	-	-	23	-	-	-	-	-
Idaho	-	-	6,046	1,586	-	-	-	-
Montana	-	-	3,129	-	832	-	-	-
Utah	32	-	6,756	13,255	3,354	-	-	-
Wyoming	-	-	-	18	4,625	3,261	-	-
<b>PAD District 5 Total</b>	<b>1,847</b>	<b>1,621</b>	<b>24,931</b>	<b>15,664</b>	<b>33,837</b>	<b>18,298</b>	<b>459,855</b>	<b>453,218</b>
Alaska	127	-	-	-	-	-	-	-
Arizona	-	-	719	928	-	-	-	-
California	-	-	4,239	451	-	-	-	-
Hawaii	36	17	35	61	33,837	18,298	459,855	453,218
Nevada	-	206	91	-	-	-	-	-
Oregon	1,657	1,385	19,539	14,078	-	-	-	-
Washington	28	12	309	146	-	-	-	-

See footnotes at end of table.

**Table 17. Adjusted Sales of Residual Fuel Oil by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	R2006	2007	R2006	2007	R2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>6,000,434</b>	<b>6,761,173</b>	<b>12,520</b>	<b>18,935</b>	<b>6,476</b>	<b>2,774</b>	<b>10,560,018</b>	<b>11,082,162</b>
<b>PAD District 1 Total</b> .....	<b>2,322,508</b>	<b>2,306,224</b>	<b>9,969</b>	<b>16,690</b>	<b>177</b>	<b>61</b>	<b>5,673,210</b>	<b>5,623,417</b>
<b>Subdistrict 1A Total</b> .....	<b>48,078</b>	<b>19,266</b>	<b>2,046</b>	<b>2,009</b>	<b>177</b>	<b>43</b>	<b>687,585</b>	<b>614,900</b>
Connecticut .....	-	-	203	641	177	43	117,346	85,404
Maine .....	34,117	8,507	-	-	-	-	194,464	160,283
Massachusetts .....	13,784	10,691	1,844	1,368	-	-	282,264	291,726
New Hampshire .....	-	-	-	-	-	-	62,717	49,619
Rhode Island .....	177	68	-	-	-	-	19,942	17,643
Vermont .....	-	-	-	-	-	-	10,853	10,223
<b>Subdistrict 1B Total</b> .....	<b>1,206,626</b>	<b>1,333,002</b>	<b>7,133</b>	<b>8,034</b>	-	<b>18</b>	<b>2,377,990</b>	<b>2,605,412</b>
Delaware .....	48,006	53,333	-	-	-	-	80,259	85,907
Maryland .....	45,685	24,237	5,300	7,094	-	-	118,318	104,499
New Jersey .....	667,481	806,687	-	-	-	-	877,384	918,194
New York .....	272,558	303,010	-	-	-	18	991,411	1,249,112
Pennsylvania .....	172,895	145,735	1,832	940	-	-	310,618	247,700
<b>Subdistrict 1C Total</b> .....	<b>1,067,804</b>	<b>953,956</b>	<b>790</b>	<b>6,647</b>	-	-	<b>2,607,634</b>	<b>2,403,105</b>
Florida .....	585,611	568,825	-	-	-	-	1,687,049	1,558,705
Georgia .....	332,608	242,488	-	-	-	-	419,002	300,093
North Carolina .....	8,036	24,649	-	647	-	-	176,262	161,146
South Carolina .....	71,588	67,055	-	-	-	-	148,717	136,458
Virginia .....	69,961	50,939	790	6,000	-	-	162,563	203,842
West Virginia .....	-	-	-	-	-	-	14,041	42,861
<b>PAD District 2 Total</b> .....	<b>33,696</b>	<b>45,445</b>	-	-	<b>3,520</b>	<b>2,712</b>	<b>300,093</b>	<b>280,554</b>
Illinois .....	1,948	1,588	-	-	-	-	10,057	5,217
Indiana .....	7,396	12,311	-	-	-	-	45,936	25,957
Iowa .....	-	-	-	-	-	-	1,965	1,899
Kansas .....	-	-	-	-	9	-	32,687	19,916
Kentucky .....	-	-	-	-	-	-	4,916	4,437
Michigan .....	9,675	12,335	-	-	2,225	441	46,507	69,319
Minnesota .....	8,296	17,229	-	-	-	-	35,312	58,257
Missouri .....	388	116	-	-	-	-	2,911	1,631
Nebraska .....	-	-	-	-	29	-	3,162	2,015
North Dakota .....	-	-	-	-	1,254	1,511	4,366	4,027
Ohio .....	24	142	-	-	-	760	57,402	38,992
Oklahoma .....	-	-	-	-	5	-	10,267	5,576
South Dakota .....	-	-	-	-	-	-	1,201	1,481
Tennessee .....	511	203	-	-	-	-	7,878	7,508
Wisconsin .....	5,458	1,521	-	-	-	-	35,528	34,324
<b>PAD District 3 Total</b> .....	<b>1,650,381</b>	<b>1,985,907</b>	<b>896</b>	<b>445</b>	<b>2,755</b>	-	<b>2,045,922</b>	<b>2,245,874</b>
Alabama .....	61,945	57,761	317	-	-	-	94,268	92,698
Arkansas .....	-	-	-	-	-	-	227	5,488
Louisiana .....	558,700	634,118	-	-	-	-	719,099	681,582
Mississippi .....	29,344	29,347	-	-	-	-	58,860	59,727
New Mexico .....	-	-	-	-	2,730	-	5,761	6,782
Texas .....	1,000,392	1,264,680	579	445	25	-	1,167,707	1,399,598
<b>PAD District 4 Total</b> .....	-	-	<b>1,265</b>	-	<b>24</b>	-	<b>26,084</b>	<b>18,120</b>
Colorado .....	-	-	-	-	-	-	23	-
Idaho .....	-	-	-	-	-	-	6,046	1,586
Montana .....	-	-	1,265	-	-	-	5,226	-
Utah .....	-	-	-	-	-	-	10,142	13,255
Wyoming .....	-	-	-	-	24	-	4,648	3,279
<b>PAD District 5 Total</b> .....	<b>1,993,848</b>	<b>2,423,596</b>	<b>390</b>	<b>1,800</b>	-	-	<b>2,514,708</b>	<b>2,914,197</b>
Alaska .....	1,140	11,278	-	-	-	-	1,267	11,278
Arizona .....	-	-	-	-	-	-	719	928
California .....	1,569,629	1,699,239	390	1,795	-	-	1,574,258	1,701,486
Hawaii .....	99,143	191,527	-	-	-	-	592,906	663,120
Nevada .....	-	-	-	5	-	-	91	211
Oregon .....	65,185	93,459	-	-	-	-	86,380	108,922
Washington .....	258,752	428,093	-	-	-	-	259,088	428,252

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

Notes: • See Technical Note 3 for further explanations on 2006 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 2006-2007 and "Petroleum Supply Annual," Volume 1, 2006-2007, (DOE/EIA-0340(06)/1 - (07)/1). • See Technical Note 3 for further explanation of Electric Power.

**Table 18. Adjusted Sales of Kerosene by Energy Use, 2006 and 2007**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>491,508</b>	<b>325,320</b>	<b>112,392</b>	<b>67,960</b>	<b>202,590</b>	<b>88,372</b>
<b>PAD District 1 Total</b> .....	<b>402,171</b>	<b>267,992</b>	<b>76,334</b>	<b>47,683</b>	<b>73,239</b>	<b>34,350</b>
<b>Subdistrict 1A Total</b> .....	<b>113,008</b>	<b>75,986</b>	<b>18,940</b>	<b>10,169</b>	<b>17,151</b>	<b>7,027</b>
Connecticut .....	9,758	5,428	7,604	1,425	15,727	6,143
Maine .....	58,429	40,203	6,292	4,903	647	661
Massachusetts .....	10,004	6,783	1,617	1,046	209	84
New Hampshire .....	18,246	12,493	1,927	1,644	527	103
Rhode Island .....	1,661	675	412	24	15	1
Vermont .....	14,910	10,403	1,088	1,127	26	35
<b>Subdistrict 1B Total</b> .....	<b>163,150</b>	<b>109,558</b>	<b>42,255</b>	<b>24,834</b>	<b>42,209</b>	<b>22,319</b>
Delaware .....	4,551	2,040	1,138	471	829	5
District of Columbia .....	—	—	115	40	—	—
Maryland .....	18,352	9,449	2,618	1,721	665	207
New Jersey .....	4,873	3,027	5,881	4,516	21,618	10,815
New York .....	75,743	55,341	14,882	10,268	16,708	8,195
Pennsylvania .....	59,630	39,702	17,620	7,818	2,389	3,096
<b>Subdistrict 1C Total</b> .....	<b>126,013</b>	<b>82,448</b>	<b>15,139</b>	<b>12,680</b>	<b>13,879</b>	<b>5,004</b>
Florida .....	2,264	838	714	523	709	87
Georgia .....	2,636	1,641	301	551	5,590	3,729
North Carolina .....	50,170	35,666	4,191	2,990	1,426	78
South Carolina .....	15,189	8,055	1,136	774	3,802	148
Virginia .....	47,856	31,072	7,073	6,789	1,645	768
West Virginia .....	7,897	5,175	1,724	1,053	706	193
<b>PAD District 2 Total</b> .....	<b>56,669</b>	<b>39,150</b>	<b>16,373</b>	<b>9,905</b>	<b>10,252</b>	<b>10,051</b>
Illinois .....	2,837	2,186	1,400	1,494	1,511	2,952
Indiana .....	7,295	5,425	1,660	1,172	841	375
Iowa .....	640	418	186	129	200	94
Kansas .....	192	93	360	168	38	19
Kentucky .....	6,711	4,184	847	434	1,378	440
Michigan .....	6,416	4,008	1,105	330	1,262	576
Minnesota .....	766	470	490	436	51	85
Missouri .....	2,790	2,273	711	381	246	109
Nebraska .....	104	256	109	55	15	5
North Dakota .....	127	99	136	52	6	197
Ohio .....	15,294	10,208	6,747	3,514	3,025	4,269
Oklahoma .....	363	338	362	342	441	356
South Dakota .....	96	64	62	7	1	—
Tennessee .....	11,907	8,561	1,162	1,017	756	376
Wisconsin .....	1,131	568	1,036	374	481	198
<b>PAD District 3 Total</b> .....	<b>3,904</b>	<b>2,905</b>	<b>5,581</b>	<b>2,917</b>	<b>117,195</b>	<b>42,668</b>
Alabama .....	2,103	1,340	424	200	1,625	901
Arkansas .....	385	262	498	371	24	41
Louisiana .....	347	255	1,226	284	104,854	34,981
Mississippi .....	597	539	240	187	1,716	1,272
New Mexico .....	172	111	106	68	6	5
Texas .....	299	398	3,087	1,808	8,972	5,468
<b>PAD District 4 Total</b> .....	<b>962</b>	<b>518</b>	<b>1,063</b>	<b>388</b>	<b>207</b>	<b>171</b>
Colorado .....	677	268	691	193	89	89
Idaho .....	130	88	94	22	11	6
Montana .....	33	35	1	4	2	3
Utah .....	69	101	252	150	68	42
Wyoming .....	53	26	25	19	37	31
<b>PAD District 5 Total</b> .....	<b>27,803</b>	<b>14,755</b>	<b>13,041</b>	<b>7,067</b>	<b>1,697</b>	<b>1,133</b>
Alaska .....	11,565	6,773	7,759	4,465	2	1
Arizona .....	64	16	99	97	206	52
California .....	12,036	6,399	2,277	1,297	942	959
Hawaii .....	—	—	1	—	4	2
Nevada .....	656	709	233	249	2	5
Oregon .....	2,163	328	1,744	535	396	47
Washington .....	1,319	531	928	425	145	67

See footnotes at end of table.



**Table 18. Adjusted Sales of Kerosene by Energy Use, 2006 and 2007 (Continued)**

(Thousand Gallons)

Destination	Farm		All Other		Total	
	2006	2007	2006	2007	2006	2007
<b>U.S. Total</b> .....	<b>15,064</b>	<b>9,531</b>	<b>1,435</b>	<b>1,520</b>	<b>822,990</b>	<b>492,702</b>
<b>PAD District 1 Total</b> .....	<b>4,891</b>	<b>2,946</b>	<b>438</b>	<b>795</b>	<b>557,073</b>	<b>353,765</b>
<b>Subdistrict 1A Total</b> .....	<b>1,686</b>	<b>1,221</b>	<b>127</b>	<b>232</b>	<b>150,912</b>	<b>94,635</b>
Connecticut .....	37	1	9	8	33,135	13,006
Maine .....	892	648	70	16	66,330	46,431
Massachusetts .....	2	1	-	-	11,831	7,913
New Hampshire .....	289	209	20	6	21,009	14,454
Rhode Island .....	-	-	-	-	2,088	701
Vermont .....	465	361	28	203	16,518	12,129
<b>Subdistrict 1B Total</b> .....	<b>2,116</b>	<b>980</b>	<b>175</b>	<b>408</b>	<b>249,906</b>	<b>158,099</b>
Delaware .....	13	8	-	-	6,531	2,525
District of Columbia .....	-	-	-	-	115	40
Maryland .....	603	115	7	10	22,247	11,502
New Jersey .....	-	3	29	81	32,401	18,442
New York .....	897	626	114	205	108,344	74,635
Pennsylvania .....	603	228	26	112	80,268	50,956
<b>Subdistrict 1C Total</b> .....	<b>1,089</b>	<b>745</b>	<b>136</b>	<b>154</b>	<b>156,256</b>	<b>101,031</b>
Florida .....	85	7	45	-	3,817	1,455
Georgia .....	18	13	7	5	8,553	5,939
North Carolina .....	251	281	4	6	56,042	39,021
South Carolina .....	203	136	38	22	20,368	9,136
Virginia .....	415	270	38	118	57,028	39,018
West Virginia .....	117	38	4	3	10,448	6,462
<b>PAD District 2 Total</b> .....	<b>7,141</b>	<b>5,898</b>	<b>581</b>	<b>520</b>	<b>91,017</b>	<b>65,523</b>
Illinois .....	409	397	170	124	6,327	7,153
Indiana .....	487	755	29	19	10,312	7,746
Iowa .....	236	274	-	61	1,262	975
Kansas .....	51	109	-	11	641	399
Kentucky .....	571	469	107	47	9,613	5,574
Michigan .....	194	68	9	6	8,986	4,987
Minnesota .....	349	278	10	9	1,667	1,279
Missouri .....	115	111	-	-	3,863	2,874
Nebraska .....	49	31	60	37	336	384
North Dakota .....	42	21	-	-	311	370
Ohio .....	3,996	2,963	131	58	29,193	21,013
Oklahoma .....	147	106	-	19	1,314	1,161
South Dakota .....	24	18	-	-	182	89
Tennessee .....	63	23	46	16	13,935	9,993
Wisconsin .....	407	275	20	113	3,075	1,527
<b>PAD District 3 Total</b> .....	<b>1,422</b>	<b>128</b>	<b>55</b>	<b>47</b>	<b>128,157</b>	<b>48,664</b>
Alabama .....	15	5	10	1	4,176	2,446
Arkansas .....	8	6	-	-	915	680
Louisiana .....	1,174	43	3	1	107,604	35,564
Mississippi .....	1	1	-	-	2,554	1,999
New Mexico .....	89	12	26	21	399	217
Texas .....	134	62	16	23	12,509	7,759
<b>PAD District 4 Total</b> .....	<b>165</b>	<b>123</b>	<b>78</b>	<b>19</b>	<b>2,475</b>	<b>1,219</b>
Colorado .....	98	65	74	1	1,628	616
Idaho .....	8	15	-	-	244	131
Montana .....	2	2	3	-	42	45
Utah .....	44	27	-	17	433	337
Wyoming .....	13	14	-	-	128	90
<b>PAD District 5 Total</b> .....	<b>1,445</b>	<b>436</b>	<b>282</b>	<b>140</b>	<b>44,269</b>	<b>23,530</b>
Alaska .....	-	-	216	126	19,542	11,365
Arizona .....	1	-	-	2	370	167
California .....	738	350	33	8	16,027	9,013
Hawaii .....	1	-	-	-	6	2
Nevada .....	1	1	-	1	892	964
Oregon .....	572	32	11	1	4,886	941
Washington .....	132	53	22	1	2,546	1,077

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 2006-2007 and "Petroleum Supply Annual," Volume 1, 2006-2007, (DOE/EIA-0340(06)/1 - (07)/1).

**Table 19. Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2007**  
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
<b>U.S. Total</b> .....	<b>82,729</b>	<b>4,940,419</b>	<b>5,023,148</b>	<b>325,320</b>
<b>PAD District 1 Total</b> .....	<b>12,219</b>	<b>4,427,394</b>	<b>4,439,613</b>	<b>267,992</b>
<b>Subdistrict 1A Total</b> .....	<b>1,114</b>	<b>1,809,356</b>	<b>1,810,470</b>	<b>75,986</b>
Connecticut .....	104	520,236	520,340	5,428
Maine .....	471	289,019	289,490	40,203
Massachusetts .....	474	633,412	633,886	6,783
New Hampshire .....	-	162,383	162,383	12,493
Rhode Island .....	65	118,199	118,264	675
Vermont .....	-	86,107	86,107	10,403
<b>Subdistrict 1B Total</b> .....	<b>9,277</b>	<b>2,344,046</b>	<b>2,353,323</b>	<b>109,558</b>
Delaware .....	-	25,468	25,468	2,040
District of Columbia .....	-	8,176	8,176	-
Maryland .....	1	133,749	133,750	9,449
New Jersey .....	-	300,436	300,436	3,027
New York .....	230	1,201,206	1,201,436	55,341
Pennsylvania .....	9,047	675,011	684,058	39,702
<b>Subdistrict 1C Total</b> .....	<b>1,828</b>	<b>273,992</b>	<b>275,820</b>	<b>82,448</b>
Florida .....	96	1,915	2,011	838
Georgia .....	21	1,107	1,128	1,641
North Carolina .....	1,298	77,414	78,712	35,666
South Carolina .....	-	6,845	6,845	8,055
Virginia .....	30	173,921	173,951	31,072
West Virginia .....	382	12,789	13,171	5,175
<b>PAD District 2 Total</b> .....	<b>35,809</b>	<b>396,239</b>	<b>432,048</b>	<b>39,150</b>
Illinois .....	844	6,180	7,024	2,186
Indiana .....	1,967	19,676	21,643	5,425
Iowa .....	1,152	9,248	10,400	418
Kansas .....	35	69	104	93
Kentucky .....	136	11,002	11,138	4,184
Michigan .....	3,793	58,462	62,255	4,008
Minnesota .....	12,366	57,732	70,098	470
Missouri .....	1,144	5,346	6,490	2,273
Nebraska .....	1,166	1,224	2,390	256
North Dakota .....	3,750	17,567	21,317	99
Ohio .....	2,501	111,638	114,139	10,208
Oklahoma .....	-	1,369	1,369	338
South Dakota .....	1,784	6,240	8,024	64
Tennessee .....	104	5,662	5,766	8,561
Wisconsin .....	5,067	84,825	89,892	568
<b>PAD District 3 Total</b> .....	<b>65</b>	<b>1,112</b>	<b>1,177</b>	<b>2,905</b>
Alabama .....	-	469	469	1,340
Arkansas .....	39	137	176	262
Louisiana .....	14	283	297	255
Mississippi .....	-	17	17	539
New Mexico .....	12	192	204	111
Texas .....	-	15	15	398
<b>PAD District 4 Total</b> .....	<b>3,207</b>	<b>11,620</b>	<b>14,827</b>	<b>518</b>
Colorado .....	33	188	221	268
Idaho .....	1,222	5,969	7,191	88
Montana .....	1,836	3,867	5,703	35
Utah .....	58	755	813	101
Wyoming .....	59	841	900	26
<b>PAD District 5 Total</b> .....	<b>31,429</b>	<b>104,053</b>	<b>135,482</b>	<b>14,755</b>
Alaska .....	28,374	30,312	58,686	6,773
Arizona .....	-	91	91	16
California .....	297	3,560	3,857	6,399
Hawaii .....	-	129	129	-
Nevada .....	190	5,727	5,917	709
Oregon .....	979	21,475	22,454	328
Washington .....	1,590	42,760	44,350	531

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 2007 and "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/1).

**Table 20. Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2007**  
(Thousand Gallons)

Destination	Distillate Fuel Oil								Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate					No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Ultra Low Sulfur Diesel	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
<b>U.S. Total</b>	<b>64,019</b>	<b>1,193,504</b>	<b>775,814</b>	<b>261,556</b>	<b>296,821</b>	<b>2,527,695</b>	<b>173,216</b>	<b>2,764,929</b>	<b>514,407</b>	<b>67,960</b>
<b>PAD District 1 Total</b>	<b>15,390</b>	<b>1,075,559</b>	<b>245,373</b>	<b>92,924</b>	<b>135,650</b>	<b>1,549,506</b>	<b>173,207</b>	<b>1,738,103</b>	<b>504,950</b>	<b>47,683</b>
<b>Subdistrict 1A Total</b>	<b>81</b>	<b>377,971</b>	<b>34,561</b>	<b>9,749</b>	<b>10,948</b>	<b>433,229</b>	<b>19,980</b>	<b>453,290</b>	<b>94,212</b>	<b>10,169</b>
Connecticut	22	85,938	14,352	1,912	108	102,310	1,740	104,072	8,152	1,425
Maine	45	94,632	10,426	4,226	7,069	116,353	570	116,968	17,499	4,903
Massachusetts	-	111,584	3,144	2,006	789	117,523	12,315	129,838	35,828	1,046
New Hampshire	4	37,557	4,136	168	308	42,169	2,223	44,397	18,953	1,644
Rhode Island	6	24,542	497	212	359	25,610	1,826	27,442	10,050	24
Vermont	5	23,718	2,005	1,225	2,314	29,262	1,307	30,574	3,729	1,127
<b>Subdistrict 1B Total</b>	<b>14,841</b>	<b>633,237</b>	<b>110,427</b>	<b>34,332</b>	<b>36,592</b>	<b>814,588</b>	<b>152,657</b>	<b>982,085</b>	<b>406,269</b>	<b>24,834</b>
Delaware	-	4,550	1,224	1,322	2,131	9,227	320	9,546	4,581	471
District of Columbia	4	9,188	147	2,477	1	11,813	314	12,131	-	40
Maryland	11	30,337	5,915	6,317	4,856	47,425	-	47,435	781	1,721
New Jersey	-	84,564	32,101	1,011	12,195	129,871	3,789	133,659	10,005	4,516
New York	14,812	359,437	39,990	13,316	8,533	421,276	146,866	582,953	374,216	10,268
Pennsylvania	14	145,160	31,051	9,890	8,878	194,979	1,369	196,361	16,686	7,818
<b>Subdistrict 1C Total</b>	<b>468</b>	<b>64,351</b>	<b>100,385</b>	<b>48,843</b>	<b>88,111</b>	<b>301,690</b>	<b>570</b>	<b>302,727</b>	<b>4,470</b>	<b>12,680</b>
Florida	10	516	46,523	15,449	29,538	92,026	-	92,036	1,764	523
Georgia	-	463	13,410	8,605	10,840	33,318	-	33,319	-	551
North Carolina	196	18,347	15,329	10,490	15,567	59,733	-	59,929	1,308	2,990
South Carolina	-	1,527	9,608	6,437	10,060	27,632	-	27,633	617	774
Virginia	2	41,150	13,621	6,953	21,061	82,785	570	83,356	782	6,789
West Virginia	260	2,347	1,894	909	1,044	6,194	-	6,454	-	1,053
<b>PAD District 2 Total</b>	<b>20,115</b>	<b>78,251</b>	<b>198,583</b>	<b>80,161</b>	<b>72,883</b>	<b>429,878</b>	<b>7</b>	<b>450,000</b>	<b>7,243</b>	<b>9,905</b>
Illinois	1,707	5,898	14,265	9,060	2,827	32,050	-	33,757	-	1,494
Indiana	2,706	10,623	14,845	3,806	13,242	42,516	-	45,222	155	1,172
Iowa	1,323	2,658	6,571	239	416	9,884	-	11,206	-	129
Kansas	472	1,110	8,715	1,786	17	11,628	-	12,101	-	168
Kentucky	-	1,855	9,529	12,351	6,251	29,986	-	29,986	-	434
Michigan	1,780	4,448	34,688	7,513	2,794	49,443	-	51,223	-	330
Minnesota	4,144	14,812	10,659	3,085	314	28,870	-	33,013	3,770	436
Missouri	1,342	1,158	7,675	5,288	1,258	15,379	-	16,722	251	381
Nebraska	1,342	4,335	2,131	769	-	7,235	-	8,576	-	55
North Dakota	911	1,381	4,131	340	505	6,357	-	7,269	1,110	52
Ohio	686	6,191	33,553	10,725	28,987	79,456	-	80,142	39	3,514
Oklahoma	-	-	19,328	1,405	732	21,465	-	21,466	-	342
South Dakota	1,934	3,352	3,364	377	1,192	8,285	-	10,218	518	7
Tennessee	26	2,082	18,637	11,283	11,199	43,201	7	43,234	342	1,017
Wisconsin	1,742	18,349	10,491	12,135	3,149	44,124	-	45,865	1,059	374
<b>PAD District 3 Total</b>	<b>724</b>	<b>20,284</b>	<b>180,563</b>	<b>58,675</b>	<b>62,301</b>	<b>321,823</b>	<b>-</b>	<b>322,547</b>	<b>592</b>	<b>2,917</b>
Alabama	-	17,705	19,465	13,183	20,791	71,144	-	71,145	-	200
Arkansas	716	22	2,974	1,061	297	4,354	-	5,071	-	371
Louisiana	-	1,838	9,503	15,640	7,424	34,405	-	34,404	-	284
Mississippi	-	-	55,499	3,445	5,004	63,948	-	63,949	-	187
New Mexico	8	663	7,657	2,301	6	10,627	-	10,635	-	68
Texas	-	57	85,464	23,044	28,779	137,344	-	137,344	592	1,808
<b>PAD District 4 Total</b>	<b>2,239</b>	<b>1,007</b>	<b>25,322</b>	<b>7,000</b>	<b>5,518</b>	<b>38,847</b>	<b>-</b>	<b>41,086</b>	<b>-</b>	<b>388</b>
Colorado	593	166	11,679	518	-	12,363	-	12,956	-	193
Idaho	489	151	5,376	989	451	6,967	-	7,455	-	22
Montana	480	429	2,970	1,156	29	4,584	-	5,064	-	4
Utah	317	206	3,704	3,934	4,932	12,776	-	13,094	-	150
Wyoming	360	53	1,593	403	107	2,156	-	2,517	-	19
<b>PAD District 5 Total</b>	<b>25,550</b>	<b>18,403</b>	<b>125,972</b>	<b>22,795</b>	<b>20,469</b>	<b>187,639</b>	<b>3</b>	<b>213,192</b>	<b>1,621</b>	<b>7,067</b>
Alaska	19,578	7,943	2,236	3,203	6,528	19,910	-	39,487	-	4,465
Arizona	-	71	19,271	6,437	-	25,779	-	25,780	-	97
California	5,238	416	64,155	3,988	-	68,559	-	73,795	-	1,297
Hawaii	-	-	4,842	2,451	4,044	11,337	-	11,336	17	-
Nevada	147	1,938	8,070	1,830	315	12,153	-	12,300	206	249
Oregon	403	1,944	9,638	3,139	3,841	18,562	-	18,965	1,385	535
Washington	185	6,093	17,761	1,748	5,741	31,343	3	31,530	12	425

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 2007 and "Petroleum Supply Annual," Volume 1, 2007. (DOE/EIA-0340(07)/1).

**Table 21. Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2007**  
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate			
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel					No. 2 Total
<b>U.S. Total</b>	<b>36,928</b>	<b>326,720</b>	<b>1,348,301</b>	<b>781,831</b>	<b>2,456,853</b>	<b>61,370</b>	<b>2,555,151</b>	<b>1,268,809</b>	<b>88,372</b>
<b>PAD District 1 Total</b>	<b>186</b>	<b>224,227</b>	<b>267,886</b>	<b>299,806</b>	<b>791,919</b>	<b>26,845</b>	<b>818,950</b>	<b>825,954</b>	<b>34,350</b>
<b>Subdistrict 1A Total</b>	<b>32</b>	<b>35,115</b>	<b>11,254</b>	<b>2,146</b>	<b>48,515</b>	<b>7,211</b>	<b>55,758</b>	<b>208,001</b>	<b>7,027</b>
Connecticut	7	7,039	1,259	103	8,401	4,473	12,881	16,655	6,143
Maine	8	13,877	1,414	204	15,495	245	15,748	118,336	661
Massachusetts	2	5,185	5,756	1,661	12,601	573	13,176	41,508	84
New Hampshire	16	4,473	365	12	4,850	570	5,436	17,482	103
Rhode Island	-	1,399	53	-	1,452	599	2,051	7,525	1
Vermont	-	3,142	2,407	167	5,716	751	6,466	6,494	35
<b>Subdistrict 1B Total</b>	<b>84</b>	<b>148,649</b>	<b>62,171</b>	<b>65,949</b>	<b>276,769</b>	<b>8,444</b>	<b>285,297</b>	<b>168,729</b>	<b>22,319</b>
Delaware	-	655	240	429	1,323	634	1,957	22,278	5
District of Columbia	-	-	42	-	42	-	42	-	-
Maryland	-	4,912	3,200	5,911	14,023	-	14,023	27,122	207
New Jersey	-	9,661	541	386	10,587	2,507	13,094	20,473	10,815
New York	84	36,681	8,870	4,561	50,112	3,456	53,653	62,009	8,195
Pennsylvania	-	96,740	49,278	54,663	200,681	1,846	202,527	36,847	3,096
<b>Subdistrict 1C Total</b>	<b>69</b>	<b>40,464</b>	<b>194,461</b>	<b>231,711</b>	<b>466,636</b>	<b>11,191</b>	<b>477,896</b>	<b>449,224</b>	<b>5,004</b>
Florida	-	81	34,537	32,141	66,758	243	67,002	75,460	87
Georgia	-	7,611	15,267	15,978	38,855	3,518	42,373	57,604	3,729
North Carolina	-	5,766	22,297	23,174	51,237	5,231	56,468	134,542	78
South Carolina	-	3,095	9,832	7,206	20,134	965	21,099	68,786	148
Virginia	34	20,703	64,138	30,958	115,799	769	116,602	69,971	768
West Virginia	36	3,208	48,390	122,253	173,852	465	174,352	42,861	193
<b>PAD District 2 Total</b>	<b>12,905</b>	<b>86,465</b>	<b>358,548</b>	<b>243,795</b>	<b>688,807</b>	<b>24,117</b>	<b>725,829</b>	<b>203,564</b>	<b>10,051</b>
Illinois	2,375	15,184	30,263	28,194	73,641	1,508	77,525	3,630	2,952
Indiana	2,334	9,879	39,402	38,657	87,937	-	90,271	10,822	375
Iowa	239	106	12,350	-	12,456	261	12,955	1,899	94
Kansas	298	695	9,381	1,986	12,062	5	12,366	19,916	19
Kentucky	-	207	81,994	73,769	155,970	-	155,970	4,437	440
Michigan	551	5,535	23,396	5,298	34,229	505	35,284	41,051	576
Minnesota	3,030	17,691	20,149	703	38,543	84	41,657	33,829	85
Missouri	566	2,133	26,601	3,255	31,989	3,350	35,906	1,263	109
Nebraska	220	137	4,146	-	4,283	1,061	5,564	2,015	5
North Dakota	1,009	477	5,426	15,607	21,510	-	22,519	1,405	197
Ohio	511	14,741	24,453	23,965	63,158	-	63,669	38,051	4,269
Oklahoma	221	123	6,376	1,120	7,619	3,626	11,466	5,576	356
South Dakota	324	117	17,287	81	17,486	-	17,810	963	-
Tennessee	-	111	15,818	28,722	44,651	4,976	49,626	6,963	376
Wisconsin	1,226	19,329	41,506	22,437	83,272	8,743	93,241	31,744	198
<b>PAD District 3 Total</b>	<b>353</b>	<b>9,401</b>	<b>295,596</b>	<b>173,651</b>	<b>478,648</b>	<b>8,971</b>	<b>487,971</b>	<b>208,768</b>	<b>42,668</b>
Alabama	-	637	58,880	85,191	144,707	354	145,061	34,938	901
Arkansas	-	422	26,153	131	26,707	1,734	28,441	2,961	41
Louisiana	-	3,006	23,455	11,094	37,555	-	37,555	25,307	34,981
Mississippi	21	-	6,363	13,932	20,295	423	20,738	4,902	1,272
New Mexico	332	-	46,708	164	46,872	-	47,204	6,782	5
Texas	-	5,336	134,038	63,139	202,513	6,460	208,972	133,880	5,468
<b>PAD District 4 Total</b>	<b>3,865</b>	<b>2,270</b>	<b>158,265</b>	<b>5,718</b>	<b>166,253</b>	<b>101</b>	<b>170,219</b>	<b>14,859</b>	<b>171</b>
Colorado	252	-	25,104	369	25,473	-	25,725	-	89
Idaho	558	2	10,095	1,264	11,361	-	11,919	1,586	6
Montana	1,308	2,227	26,083	40	28,351	-	29,658	-	3
Utah	299	-	25,696	3,970	29,666	-	29,965	13,255	42
Wyoming	1,449	41	71,286	75	71,402	101	72,952	18	31
<b>PAD District 5 Total</b>	<b>19,619</b>	<b>4,356</b>	<b>268,007</b>	<b>58,862</b>	<b>331,225</b>	<b>1,337</b>	<b>352,182</b>	<b>15,664</b>	<b>1,133</b>
Alaska	14,148	1,529	15,689	20,932	38,150	-	52,298	-	1
Arizona	80	-	87,557	1,388	88,945	-	89,026	928	52
California	5,133	2,347	47,877	-	50,224	-	55,357	451	959
Hawaii	-	-	2,623	1,503	4,127	-	4,127	61	2
Nevada	-	1	88,872	21,317	110,189	1,147	111,337	-	5
Oregon	257	3	11,602	6,329	17,934	-	18,191	14,078	47
Washington	-	477	13,786	7,393	21,656	190	21,846	146	67

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 2007 and "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/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, 2007**  
(Thousand Gallons)

Destination	Farm				Electric Power		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b>	<b>3,445,247</b>	<b>60,806</b>	<b>3,506,053</b>	<b>9,531</b>	<b>648,465</b>	<b>2,469,075</b>	<b>878,958</b>	<b>46,990</b>
<b>PAD District 1 Total</b>	<b>346,413</b>	<b>11,756</b>	<b>358,169</b>	<b>2,946</b>	<b>267,382</b>	<b>1,946,786</b>	<b>30,145</b>	<b>22,751</b>
<b>Subdistrict 1A Total</b>	<b>18,209</b>	<b>5,836</b>	<b>24,045</b>	<b>1,221</b>	<b>12,419</b>	<b>290,616</b>	<b>321</b>	<b>754</b>
Connecticut	1,739	354	2,094	1	5,839	59,753	321	160
Maine	6,298	4,065	10,363	648	631	15,373	-	569
Massachusetts	3,167	194	3,361	1	2,394	202,330	-	-
New Hampshire	2,157	857	3,014	209	1,928	13,159	-	25
Rhode Island	39	45	84	-	1,457	-	-	-
Vermont	4,809	321	5,129	361	170	-	-	-
<b>Subdistrict 1B Total</b>	<b>93,659</b>	<b>5,142</b>	<b>98,801</b>	<b>980</b>	<b>128,429</b>	<b>667,363</b>	<b>14,369</b>	<b>21,997</b>
Delaware	5,650	-	5,650	8	2,097	5,715	6,870	-
District of Columbia	-	-	-	-	5,883	-	-	-
Maryland	13,234	60	13,294	115	29,889	44,332	-	932
New Jersey	1,964	554	2,518	3	23,322	79,524	-	1,506
New York	38,630	2,371	41,001	626	6,100	509,202	10	656
Pennsylvania	34,181	2,157	36,338	228	61,138	28,589	7,490	18,902
<b>Subdistrict 1C Total</b>	<b>234,545</b>	<b>778</b>	<b>235,323</b>	<b>745</b>	<b>126,534</b>	<b>988,807</b>	<b>15,455</b>	<b>-</b>
Florida	66,766	-	66,766	7	57,189	912,656	51	-
Georgia	65,964	484	66,448	13	1,507	-	182	-
North Carolina	48,313	-	48,313	281	21,510	-	148	-
South Carolina	19,714	-	19,714	136	10,551	-	319	-
Virginia	32,267	252	32,519	270	24,425	76,151	708	-
West Virginia	1,522	42	1,564	38	11,351	-	14,047	-
<b>PAD District 2 Total</b>	<b>1,756,988</b>	<b>14,990</b>	<b>1,771,978</b>	<b>5,898</b>	<b>187,958</b>	<b>18,920</b>	<b>133,256</b>	<b>2,670</b>
Illinois	193,672	395	194,067	397	15,779	-	87	-
Indiana	150,034	598	150,631	755	28,283	-	3,373	2,670
Iowa	170,960	1,396	172,355	274	19,467	-	-	-
Kansas	163,785	450	164,235	109	3,677	-	22,149	-
Kentucky	26,752	-	26,752	469	4,903	-	3,451	-
Michigan	52,086	1,015	53,101	68	18,877	15,491	2,197	-
Minnesota	126,475	1,042	127,517	278	12,911	3,428	832	-
Missouri	152,439	11	152,451	111	4,584	-	-	-
Nebraska	219,937	1,147	221,085	31	1,819	-	2,028	-
North Dakota	110,660	935	111,595	21	3,127	-	28,678	-
Ohio	118,512	2,945	121,456	2,963	29,291	-	6,946	-
Oklahoma	63,173	-	63,173	106	7,072	-	62,893	-
South Dakota	65,849	593	66,442	18	5,205	-	105	-
Tennessee	39,796	-	39,796	23	21,275	-	9	-
Wisconsin	102,858	4,464	107,322	275	11,687	-	509	-
<b>PAD District 3 Total</b>	<b>824,197</b>	<b>26,960</b>	<b>851,157</b>	<b>128</b>	<b>30,631</b>	<b>50,152</b>	<b>542,476</b>	<b>10</b>
Alabama	44,541	-	44,541	5	1,948	-	436	-
Arkansas	289,473	-	289,473	6	3,181	2,527	15,473	-
Louisiana	70,245	20	70,265	43	1,335	22,157	74,213	-
Mississippi	68,358	-	68,358	1	1,673	25,467	5,214	10
New Mexico	21,101	26,510	47,611	12	1,849	-	31,597	-
Texas	330,479	431	330,910	62	20,645	-	415,544	-
<b>PAD District 4 Total</b>	<b>145,676</b>	<b>6,532</b>	<b>152,208</b>	<b>123</b>	<b>5,608</b>	<b>-</b>	<b>119,513</b>	<b>3,261</b>
Colorado	30,706	284	30,990	65	681	-	49,144	-
Idaho	38,353	192	38,545	15	27	-	-	-
Montana	66,490	5,867	72,357	2	1,552	-	11,988	-
Utah	4,136	120	4,256	27	991	-	17,761	-
Wyoming	5,991	69	6,061	14	2,357	-	40,620	3,261
<b>PAD District 5 Total</b>	<b>371,973</b>	<b>568</b>	<b>372,541</b>	<b>436</b>	<b>156,887</b>	<b>453,218</b>	<b>53,568</b>	<b>18,298</b>
Alaska	36	9	45	-	45,954	-	39,750	-
Arizona	18,716	-	18,716	-	4,683	-	117	-
California	261,645	8	261,653	350	4,039	-	12,183	-
Hawaii	4,002	1	4,003	-	99,234	453,218	820	18,298
Nevada	2,935	26	2,961	1	785	-	602	-
Oregon	26,325	521	26,846	32	1,400	-	-	-
Washington	58,313	2	58,316	53	791	-	95	-

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 2007 and "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/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, 2007**  
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b> .....	<b>3,936,258</b>	<b>2,159,925</b>	<b>6,761,173</b>	<b>39,801,744</b>	<b>45,897,927</b>	<b>6,761,173</b>
<b>PAD District 1 Total</b> .....	<b>561,825</b>	<b>451,034</b>	<b>2,306,224</b>	<b>11,739,455</b>	<b>12,752,314</b>	<b>2,306,224</b>
<b>Subdistrict 1A Total</b> .....	<b>67,038</b>	<b>41,621</b>	<b>19,266</b>	<b>1,123,563</b>	<b>1,232,222</b>	<b>19,266</b>
Connecticut .....	4,306	6,438	-	303,570	314,314	-
Maine .....	122	8,029	8,507	181,010	189,161	8,507
Massachusetts .....	61,826	20,645	10,691	402,629	485,100	10,691
New Hampshire .....	115	2,651	-	97,695	100,461	-
Rhode Island .....	13	3,858	68	73,882	77,752	68
Vermont .....	656	-	-	64,777	65,433	-
<b>Subdistrict 1B Total</b> .....	<b>203,644</b>	<b>142,847</b>	<b>1,333,002</b>	<b>4,232,345</b>	<b>4,578,836</b>	<b>1,333,002</b>
Delaware .....	1,358	595	53,333	66,271	68,224	53,333
District of Columbia .....	-	10	-	10,710	10,720	-
Maryland .....	11,172	20,688	24,237	573,321	605,180	24,237
New Jersey .....	15,110	84,713	806,687	988,732	1,088,555	806,687
New York .....	61,178	11,940	303,010	1,118,505	1,191,623	303,010
Pennsylvania .....	114,826	24,901	145,735	1,474,806	1,614,534	145,735
<b>Subdistrict 1C Total</b> .....	<b>291,143</b>	<b>266,566</b>	<b>953,956</b>	<b>6,383,547</b>	<b>6,941,256</b>	<b>953,956</b>
Florida .....	71,998	140,564	568,825	1,670,536	1,883,098	568,825
Georgia .....	76,371	13,562	242,488	1,508,118	1,598,051	242,488
North Carolina .....	46,305	7,750	24,649	1,076,721	1,130,776	24,649
South Carolina .....	10,954	18,186	67,055	722,868	752,009	67,055
Virginia .....	70,259	42,547	50,939	1,111,050	1,223,856	50,939
West Virginia .....	15,255	43,958	-	294,254	353,467	-
<b>PAD District 2 Total</b> .....	<b>1,718,198</b>	<b>425,514</b>	<b>45,445</b>	<b>12,627,117</b>	<b>14,770,830</b>	<b>45,445</b>
Illinois .....	44,148	79,022	1,588	1,516,293	1,639,463	1,588
Indiana .....	72,436	32,801	12,311	1,356,498	1,461,734	12,311
Iowa .....	64,534	5,357	-	648,924	718,814	-
Kansas .....	101,602	-	-	489,575	591,177	-
Kentucky .....	187,132	100,714	-	875,135	1,162,981	-
Michigan .....	54,506	9,794	12,335	906,538	970,838	12,335
Minnesota .....	135,792	8,310	17,229	673,758	817,860	17,229
Missouri .....	30,227	37,591	116	1,087,199	1,155,018	116
Nebraska .....	14,012	-	-	434,093	448,105	-
North Dakota .....	137,379	-	-	177,467	314,846	-
Ohio .....	366,545	13,341	142	1,597,741	1,977,627	142
Oklahoma .....	383,893	11,846	-	840,366	1,236,105	-
South Dakota .....	9,433	-	-	202,607	212,040	-
Tennessee .....	84,400	126,231	203	1,061,941	1,272,573	203
Wisconsin .....	32,159	507	1,521	758,982	791,648	1,521
<b>PAD District 3 Total</b> .....	<b>954,501</b>	<b>837,189</b>	<b>1,985,907</b>	<b>7,615,389</b>	<b>9,407,079</b>	<b>1,985,907</b>
Alabama .....	81,627	49,552	57,761	848,402	979,581	57,761
Arkansas .....	27,599	573	-	673,079	701,251	-
Louisiana .....	59,819	479,685	634,118	703,016	1,242,520	634,118
Mississippi .....	63,730	127,625	29,347	625,746	817,102	29,347
New Mexico .....	8,391	-	-	531,013	539,404	-
Texas .....	713,336	179,753	1,264,680	4,234,133	5,127,222	1,264,680
<b>PAD District 4 Total</b> .....	<b>184,566</b>	<b>19</b>	<b>-</b>	<b>1,999,274</b>	<b>2,183,859</b>	<b>-</b>
Colorado .....	2,821	1	-	588,910	591,732	-
Idaho .....	14,806	18	-	275,706	290,530	-
Montana .....	75,691	-	-	263,696	339,387	-
Utah .....	31,426	-	-	480,993	512,419	-
Wyoming .....	59,822	-	-	389,969	449,791	-
<b>PAD District 5 Total</b> .....	<b>517,167</b>	<b>446,168</b>	<b>2,423,596</b>	<b>5,820,509</b>	<b>6,783,845</b>	<b>2,423,596</b>
Alaska .....	6,262	124,506	11,278	174,112	304,880	11,278
Arizona .....	11,649	1	-	865,536	877,186	-
California .....	309,565	102,036	1,699,239	3,091,491	3,503,092	1,699,239
Hawaii .....	3	126,583	191,527	52,692	179,279	191,527
Nevada .....	6,707	24	-	378,182	384,913	-
Oregon .....	80,362	20,003	93,459	560,598	660,963	93,459
Washington .....	102,619	73,016	428,093	697,898	873,532	428,093

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 2007 and "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/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, 2007**  
(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other	
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Residual Fuel Oil	Kerosene
<b>U.S. Total</b> .....	<b>215,946</b>	<b>156,743</b>	<b>372,689</b>	<b>18,935</b>	<b>2,335,575</b>	<b>340,398</b>	<b>2,675,973</b>	<b>2,774</b>	<b>1,520</b>
<b>PAD District 1 Total</b> .....	<b>42,312</b>	<b>21,212</b>	<b>63,524</b>	<b>16,690</b>	<b>701,674</b>	<b>104,847</b>	<b>806,521</b>	<b>61</b>	<b>795</b>
<b>Subdistrict 1A Total</b> .....	<b>7,993</b>	<b>4,209</b>	<b>12,202</b>	<b>2,009</b>	<b>81,665</b>	<b>8,084</b>	<b>89,750</b>	<b>43</b>	<b>232</b>
Connecticut .....	1,607	-	1,607	641	20,052	421	20,473	43	8
Maine .....	3,436	1,740	5,176	-	8,441	3,358	11,799	-	16
Massachusetts .....	2,056	249	2,305	1,368	35,705	2,047	37,752	-	-
New Hampshire .....	789	556	1,345	-	9,747	1,375	11,122	-	6
Rhode Island .....	19	1,660	1,679	-	4,393	-	4,393	-	-
Vermont .....	87	3	90	-	3,327	883	4,211	-	203
<b>Subdistrict 1B Total</b> .....	<b>12,502</b>	<b>14,965</b>	<b>27,467</b>	<b>8,034</b>	<b>189,632</b>	<b>29,711</b>	<b>219,343</b>	<b>18</b>	<b>408</b>
Delaware .....	96	78	174	-	3,017	30	3,047	-	-
District of Columbia .....	579	-	579	-	1,923	-	1,923	-	-
Maryland .....	3,822	2,411	6,232	7,094	33,085	1,137	34,222	-	10
New Jersey .....	3,823	44	3,867	-	45,217	18,069	63,286	-	81
New York .....	2,959	4,950	7,909	-	49,731	276	50,007	18	205
Pennsylvania .....	1,224	7,483	8,706	940	56,660	10,198	66,858	-	112
<b>Subdistrict 1C Total</b> .....	<b>21,817</b>	<b>2,037</b>	<b>23,854</b>	<b>6,647</b>	<b>430,376</b>	<b>67,052</b>	<b>497,429</b>	-	<b>154</b>
Florida .....	4,300	-	4,300	-	109,110	10,992	120,102	-	-
Georgia .....	2,421	12	2,434	-	96,645	23,347	119,992	-	5
North Carolina .....	3,723	406	4,130	647	43,382	8,255	51,637	-	6
South Carolina .....	6,269	8	6,277	-	38,592	11,512	50,104	-	22
Virginia .....	4,656	1,506	6,163	6,000	123,049	11,062	134,111	-	118
West Virginia .....	447	104	552	-	19,598	1,884	21,482	-	3
<b>PAD District 2 Total</b> .....	<b>8,307</b>	<b>954</b>	<b>9,261</b>	-	<b>702,924</b>	<b>53,050</b>	<b>755,974</b>	<b>2,712</b>	<b>520</b>
Illinois .....	293	-	293	-	120,235	894	121,129	-	124
Indiana .....	14	-	14	-	33,307	3,516	36,823	-	19
Iowa .....	42	-	42	-	20,235	7,020	27,254	-	61
Kansas .....	894	11	905	-	21,263	2,477	23,740	-	11
Kentucky .....	1,011	207	1,218	-	28,076	1,370	29,446	-	47
Michigan .....	1,304	-	1,304	-	46,895	5,689	52,584	441	6
Minnesota .....	322	1	323	-	61,037	2,753	63,790	-	9
Missouri .....	1,912	732	2,644	-	72,547	2,576	75,123	-	-
Nebraska .....	53	-	53	-	47,369	1,451	48,820	-	37
North Dakota .....	403	-	403	-	11,451	1,470	12,921	1,511	-
Ohio .....	79	-	79	-	72,971	2,035	75,006	760	58
Oklahoma .....	498	-	498	-	47,032	2,118	49,150	-	19
South Dakota .....	1,020	3	1,023	-	10,460	856	11,316	-	-
Tennessee .....	199	-	199	-	60,286	12,279	72,565	-	16
Wisconsin .....	265	-	265	-	49,759	6,547	56,306	-	113
<b>PAD District 3 Total</b> .....	<b>62,128</b>	<b>1,782</b>	<b>63,910</b>	<b>445</b>	<b>508,643</b>	<b>146,435</b>	<b>655,078</b>	-	<b>47</b>
Alabama .....	1,866	1,710	3,576	-	44,630	40,940	85,569	-	1
Arkansas .....	387	-	387	-	17,775	47,748	65,523	-	-
Louisiana .....	15,436	-	15,436	-	86,073	17,755	103,827	-	1
Mississippi .....	985	73	1,057	-	52,784	28,026	80,810	-	-
New Mexico .....	1,144	-	1,144	-	3,292	1,119	4,411	-	21
Texas .....	42,309	-	42,309	445	304,090	10,848	314,937	-	23
<b>PAD District 4 Total</b> .....	<b>668</b>	<b>167</b>	<b>835</b>	-	<b>93,385</b>	<b>11,544</b>	<b>104,929</b>	-	<b>19</b>
Colorado .....	389	-	389	-	33,821	296	34,118	-	1
Idaho .....	174	-	174	-	10,341	6,076	16,417	-	-
Montana .....	102	163	265	-	12,213	3,475	15,689	-	-
Utah .....	4	4	8	-	23,969	780	24,750	-	17
Wyoming .....	-	-	-	-	13,041	915	13,956	-	-
<b>PAD District 5 Total</b> .....	<b>102,531</b>	<b>132,628</b>	<b>235,159</b>	<b>1,800</b>	<b>328,949</b>	<b>24,522</b>	<b>353,471</b>	-	<b>140</b>
Alaska .....	6,669	5,419	12,088	-	14,472	1,723	16,195	-	126
Arizona .....	1,207	-	1,207	-	63,378	1,803	65,181	-	2
California .....	11,692	-	11,692	1,795	127,483	4,549	132,032	-	8
Hawaii .....	73,358	-	73,358	-	9,180	5	9,185	-	-
Nevada .....	1,822	-	1,822	5	29,002	6	29,008	-	1
Oregon .....	1,977	-	1,977	-	14,576	7,791	22,367	-	1
Washington .....	5,806	127,209	133,014	-	70,858	8,646	79,504	-	1

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 2007 and "Petroleum Supply Annual," Volume 1, 2007, (DOE/EIA-0340(07)/1).

Appendix A

## **Technical Notes**



# Technical Note 1: EIA-821: Annual Fuel Oil and Kerosene Sales Report, 2007

## 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 non-energy use sales; the residual data were identified by energy use and non-energy use; motor gasoline was identified by energy use and non-energy use and by conventional and oxygenated and/or reformulated; and propane was identified by residential, nonresidential, and non-energy use sales. The mailing list for the EIA-863 survey was constructed by merging and unduplicating the 1998 frame file and more than 50 State and commercial lists. In addition, company/State-level volumes for distillate fuel,

residual fuel, motor gasoline, and propane from the 2002 EIA-821 survey were merged with the EIA-863 to yield a combined data file. The transformed and edited version of the frame was then used to design and select the 2007 EIA-821 sample.

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

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

## Discussion of the Sample Design

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

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

- All refiners and gas plant operators.
- Companies doing business in four or more States.
- Companies accounting for 5 percent or more of the distillate or residual fuel oil volume for any target variable or particular energy use category sold in a State.
- Companies accounting for 5 percent or more of the kerosene volume sold in a State in an earlier EIA-821 survey.
- Augmented frame units, e.g., vessel bunkering, for which no attribute data were available.

Firms determined not to be selling distillate or residual fuel oil or kerosene were removed from the frame file. Volumes for nonrespondents to the EIA-863 who had reported in the previous frame survey or in a sample survey were imputed. The imputed

nonrespondents and the noncertainty companies were stratified by sales volume for each target variable. Strata boundaries were determined using the Dalenius-Hodges procedures, allowing the number of strata and the strata boundaries to vary by State. Nonrespondents for whom no previous information was available were classified in a separate stratum and sampled with reduced probabilities of selection.

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

### Imputation and Estimation

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

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

where:

$\hat{V}$  = total estimated volume

$\sum_h$  = denotes summation over strata

$N_h$  = stratum population for stratum h

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

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

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

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

The degree of imputation by product and energy use at the U.S. total level ranged as follows for the 2007 EIA-821 data: distillate, 2.95 percent for railroad use to 15.91 percent for commercial use; residual fuel oil, 0.11 percent for oil company use to 10.20 percent for

commercial use; and kerosene, 2.76 percent for industrial use to 9.43 percent for all other uses.

### Collection Methods

The EIA-821 form was mailed in January 2008 to all companies selected for participation in the 2007 reference year survey. The completed form was due to EIA on March 7, 2008. A second request was mailed to nonrespondents approximately 1 month after the filing deadline. Follow-up telephone calls were made to collect outstanding data and to verify reported data. Late submissions and resubmissions were processed when received.

### Data Processing

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

### Technical Note 2: Reliability of the Data

Two types of errors are associated with data produced from a sample survey; sampling errors and nonsampling errors. Sampling errors occur because the estimates are based on a sample rather than on a census. The particular sample used for the EIA-821 survey is one of a large number of samples of equal size which could have been selected from the sampling frame using the same sample design. Each of these samples would produce a different estimate. If the estimates were averaged over all possible samples, the result would be the same as the estimate derived from a census of the sampling frame. The sampling error is a measure of variability among the estimates from all possible samples and, thus, is a measure of the precision with which an estimate from a particular sample approximates the results of a census.

Nonsampling errors and 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 that 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 2007 survey. The coefficients of variation (CV) were estimated by:

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

where:

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

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

$$\bar{V}_h = \frac{\sum_{i=1}^{n_h} W_i V_i}{\sum_{i=1}^{n_h} W_i}$$

$\hat{V}$  = 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 2007 EIA-821 survey, the overall response rate (the number of submissions received, divided by the number of submissions solicited and expected, times 100) was 87.3 percent.

### Technical 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 2003 through 2007 special fuels, more than 99 percent is diesel.

#### Tables 13 through 24:

The 2006 adjusted numbers have been revised since they were first published in the Fuel Oil and Kerosene Sales 2006. 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 2006, the "Electric Power" information was still being collected and verified. 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 from annual aggregations of data collected on the EIA-906, "Power Plant Report." Form EIA-906 utility and non-utility, NAICS 22 companies, consumption data was added to the stock change of distillate and residual, respectively. Allocations at the State level were based on the EIA-821 survey.

## Coefficients of Variation for Sales of Fuel Oil, 2007

Geographic Area	Residential Distillate Fuel Oil	Non-Residential Retail Distillate Fuel Oil	Retail Residual Fuel Oil
<b>U.S. Average</b> .....	<b>2.0</b>	<b>1.0</b>	<b>0.1</b>
<b>PAD District 1 Average</b> .....	<b>2.2</b>	<b>1.1</b>	<b>0.1</b>
<b>Subdistrict 1A Average</b> .....	<b>2.6</b>	<b>2.2</b>	<b>0.0</b>
Connecticut .....	6.1	3.9	0.0
Maine .....	3.5	5.7	0.0
Massachusetts .....	5.0	4.7	0.0
New Hampshire .....	3.7	4.3	0.0
Rhode Island .....	5.9	2.7	0.0
Vermont .....	2.6	4.2	0.0
<b>Subdistrict 1B Average</b> .....	<b>3.5</b>	<b>1.8</b>	<b>0.1</b>
Delaware .....	6.0	3.4	0.0
District of Columbia .....	0.0	0.0	0.0
Maryland .....	6.1	1.7	0.0
New Jersey .....	7.3	3.2	0.0
New York .....	5.3	3.7	0.1
Pennsylvania .....	7.0	3.5	0.0
<b>Subdistrict 1C Average</b> .....	<b>4.9</b>	<b>1.7</b>	<b>0.3</b>
Florida .....	11.4	4.5	0.0
Georgia .....	12.0	2.8	2.9
North Carolina .....	7.9	3.5	0.0
South Carolina .....	12.5	3.5	0.0
Virginia .....	6.9	4.2	0.0
West Virginia .....	7.2	5.7	0.0
<b>PAD District 2 Average</b> .....	<b>3.0</b>	<b>1.3</b>	<b>0.3</b>
Illinois .....	10.7	5.5	5.4
Indiana .....	14.2	4.0	2.8
Iowa .....	12.0	5.0	0.1
Kansas .....	20.8	5.8	0.0
Kentucky .....	4.7	4.7	0.0
Michigan .....	6.3	5.8	0.4
Minnesota .....	7.9	5.6	0.0
Missouri .....	4.0	3.4	0.0
Nebraska .....	17.7	5.4	0.0
North Dakota .....	11.0	5.4	0.0
Ohio .....	8.1	4.6	0.0
Oklahoma .....	0.0	4.8	0.0
South Dakota .....	11.7	2.6	0.0
Tennessee .....	12.4	3.3	3.7
Wisconsin .....	5.2	3.3	0.0
<b>PAD District 3 Average</b> .....	<b>3.8</b>	<b>3.4</b>	<b>0.0</b>
Alabama .....	1.4	4.5	0.0
Arkansas .....	3.4	10.5	0.0
Louisiana .....	2.8	4.0	0.0
Mississippi .....	0.0	2.3	0.0
New Mexico .....	21.3	2.7	0.0
Texas .....	24.3	5.8	0.0
<b>PAD District 4 Average</b> .....	<b>18.0</b>	<b>2.4</b>	<b>0.0</b>
Colorado .....	23.3	4.8	0.0
Idaho .....	5.6	3.9	0.0
Montana .....	46.1	6.3	0.0
Utah .....	0.1	5.9	0.0
Wyoming .....	4.6	5.0	0.0
<b>PAD District 5 Average</b> .....	<b>2.1</b>	<b>2.9</b>	<b>0.0</b>
Alaska .....	1.9	0.2	0.0
Arizona .....	0.0	2.9	0.0
California .....	9.4	4.1	0.0
Hawaii .....	120.2	0.0	0.0
Nevada .....	0.0	4.8	0.0
Oregon .....	8.8	5.1	0.0
Washington .....	3.9	13.1	0.0

Note: Coefficients of variation that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2007.

**On-Highway Diesel.** Distillate fuel oil by State was calculated from the Federal Highway Administration data on highway use of special fuels. Of the 2003 through 2007 special fuels, more than 99 percent is diesel.

### 2003 through 2007 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 2007 survey resulted in 376,411 thousand gallons of kerosene at the national level. The products supplied volume at the national level for kerosene was 492.702 thousand gallons. Hence, the adjustment factor at the national level for 2007 was 1.31.

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 2007 are as follows:

#### Distillate Fuel Oil

PAD District 1:	.97
PAD District 2:	1.10
PAD District 3:	1.36
PAD District 4:	.70
PAD District 5:	.98

For Tables 13 through 24, total sales at the PAD district level equal the products supplied volumes as reported in the PSA, 2003 through 2007. For example, the 2007 survey yielded a volume for distillate residential use in PAD District 2 of 392,590 thousand gallons. The total distillate volume for PAD District 2 was 5,835,539 from the survey, after subtracting the volume coming from alternate sources. The product supplied total distillate volume for PAD District 2 was 6,422,059 after removing alternate source volume. Hence, the adjusted 2007 estimate of distillate for residential use in PAD District 2 was  $(6,422,059/5,835,539) \times 392,590 = 432,049$ . 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 and electric power uses.

Volumes of residual fuel oil in Tables 13 through 24 were adjusted at the national level to equal the products supplied estimate. The 2007 survey yielded 10,706,479 gallons of residual fuel oil, while the products supplied volume at the national level was

11,082,162 thousand gallons. Thus, the adjustment factor at the national level for 2007 was 1.07, 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.

## Technical 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, and 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 and distribution of petroleum products are also included.

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

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

1. **Construction.** An energy-consuming sub sector that consist of all facilities and equipment including earthmoving equipment, cranes, generators, air compressors, etc.
2. **Other.** An energy-consuming sub sector that consists of all off-highway uses other than construction. Includes logging, scrape and junk yards, and refrigeration units on trucks.

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

## Definitions of Petroleum Products and Other Related Terms

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

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

1. **No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuel 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) **Ultra Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 15 ppm by weight. It is used primarily in motor vehicle diesel engines for on-highway use.
  - (2) **Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 500 ppm by weight. It is used primarily in motor vehicle diesel engines for on-highway use.
  - (3) **High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 500 ppm 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 (East Coast):**

**Subdistrict 1A (New England):**

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Subdistrict 1B (Central Atlantic):**

Delaware, District of Columbia, Maryland, New Jersey, New York, and Pennsylvania

**Subdistrict 1C (Lower Atlantic):**

Florida, Georgia, North Carolina, South Carolina, Virginia, and West Virginia

**PAD District 2 (Midwest):**

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

**PAD District 3 (Gulf Coast):**

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

**PAD District 4 (Rocky Mountains):**

Colorado, Idaho, Montana, Utah, and Wyoming

**PAD District 5 (West Coast):**

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 and 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**





**FORM EIA-821  
ANNUAL FUEL OIL AND KEROSENE SALES REPORT  
REFERENCE YEAR 2007**

This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction. See Instructions for further details on the sanctions and the provisions concerning the confidentiality of information submitted on this form.

**PART 1. RESPONDENT IDENTIFICATION**

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

Provide corrections to Company Name, Address, and Contact Information in Items 1-8			
1. Company Name		8. Contact information:	
2. Doing Business As (DBA)		a. Name	
3. Physical Address (eg. Street Address, Building, Floor, Suite)		_____	
4. Mailing Address (eg. PO Box, RR)		b. Telephone Number (____) _____ - _____	
5. City		c. Fax Number (____) _____ - _____	
6. State		d. Email Address	
7. Zip Code		_____	
9. Reference Year <b>2007</b>	10. Type of Report (Check One)		11. The number of States in which your firm sells Fuel Oil and/or Kerosene to Energy Users.
	a. <input type="checkbox"/> Original		
	b. <input type="checkbox"/> Resubmission		
12. Which of the following best describes this firm at the end of 2007?		13. Effective Date of Status Change	
a. <input type="checkbox"/> In operation – Sales include petroleum products		Month Day Year	
Skip to and complete items 22-25 and Part 2			
b. 1. <input type="checkbox"/> Sold		14. Company Name	
2. <input type="checkbox"/> Merged		_____	
3. <input type="checkbox"/> Leased		15. Doing Business As (DBA)	
c. <input type="checkbox"/> Subsidiary of another		_____	
d. <input type="checkbox"/> Commissioned Agent		16. Physical Address (eg. Street Address, Building, Floor, Suite)	
Complete Items 13 to 25, and Part 2 for that portion of 2007 in which the firm was active under your ownership and control		_____	
e. <input type="checkbox"/> Permanently ceased operation		17. Mailing Address (eg. PO Box, RR)	
Complete Item 13, then skip to and complete items 22-25 and Part 2 for that portion of 2007 in which the firm was active under your ownership and control		_____	
f. <input type="checkbox"/> Not in the petroleum business		18. City	
Skip to and complete items 22-25		19. State	
		20. Zip Code	
		21. Contact information:	
		a. Name	
		_____	
		b. Telephone Number (____) _____ - _____	
		c. Fax Number (____) _____ - _____	
		d. Email Address	
		_____	
<b>PREPARED BY:</b> Check appropriate box. If preparer is different from contact person, complete lines 24 and 25.			
22. <input type="checkbox"/> Preparer same as contact person shown on label		23. Date	
<input type="checkbox"/> Preparer is not the same as contact person shown on label		_____	
24. Preparer's Name		25. Preparer's Telephone Number	
_____		_____	

Name of Firm Reporting	DOE ID Number	Reference Year <b>2007</b>	Page _____ of _____
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**PART II. TOTAL SALES DURING THE REFERENCE YEAR.** (Read pages 2-3 of the Instructions)

Line No.	Type of Fuel and Use	States of Destination (Enter Standard Abbreviations, see page 6 of the Instructions)		
<b>Kerosene (Report in Actual Gallons)</b>				
Sold directly to consumers for:				
1	Residential Use (Non-Farm):			
2	Commercial Use:			
3	Industrial Use:			
4	Farm Use:			
5	All Other Uses (Including own company, please specify):			
6	Sold to Dealers, Resellers, and Refiners:			
7	<b>Total Kerosene (Add Lines 1 thru 6)</b>			
<b>Distillate Fuel Oil (Report in Actual Gallons)</b>				
Sold directly to consumers for:				
Residential Use (Non-Farm):				
8	No. 1			
9	No. 2			
Commercial Use (See Reference Guide):		<i>Report sales of Ultra Low or Low Sulfur Diesel to automobiles, trucks, buses, and school buses on lines 39 or 40, under On-highway Diesel Use, with the exception of government vehicles which should be reported on lines 12 or 13.</i>		
10	No. 1			
11	No. 2 Fuel Oil			
12	No. 2 Diesel ≤ 15 ppm Sulfur, Ultra Low			
13	No. 2 Diesel > 15 and ≤ 500 ppm Sulfur, Low			
14	No. 2 Diesel > 500 ppm Sulfur, High			
15	No. 4			
Industrial Use (Manufacturing and Mining):				
16	No. 1			
17	No. 2 Fuel Oil			
18	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
19	No. 2 Diesel > 500 ppm Sulfur, High			
20	No. 4			
Oil Company Use (Drilling and Own Company Refining):				
21	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
22	No. 2 Diesel > 500 ppm Sulfur, High			
23	Other Distillate			
Railroad Use:				
24	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
25	No. 2 Diesel > 500 ppm Sulfur, High			
26	Other Distillate			

Name of Firm Reporting	DOE ID Number	Reference Year <b>2007</b>	Page _____ of _____
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**PART II. TOTAL SALES DURING THE REFERENCE YEAR.** (Read pages 2-3 of the Instructions)

Line No.	Type of Fuel and Use	States of Destination (Enter Standard Abbreviations, see page 6 of the Instructions)		
<b>Distillate Fuel Oil – continued</b> (Report in Actual Gallons)				
<b>Vessel Bunkering (Shipping and Boating):</b>				
27	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
28	No. 2 Diesel > 500 ppm Sulfur, High			
29	Other Distillate			
<b>Military Use:</b>				
30	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
31	No. 2 Diesel > 500 ppm Sulfur, High			
32	Other Distillate			
<b>Electric Power (Electric utility and Nonutility):</b>				
33	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
34	No. 2 Diesel > 500 ppm Sulfur, High			
35	Other Distillate			
<b>Farm Use:</b>				
36	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
37	No. 2 Diesel > 500 ppm Sulfur, High			
38	Other Distillate			
<b>On-highway Diesel Use:</b>				
39	Diesel ≤ 15 ppm Sulfur, Ultra Low			
40	Diesel > 15 and ≤ 500 ppm Sulfur, Low			
<b>Off-highway Use: Construction:</b>				
41	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
42	No. 2 Diesel > 500 ppm Sulfur, High			
43	Other Distillate			
<b>Off-highway Use: Other (Specify e.g., Logging):</b>				
44	No. 2 Diesel ≤ 500 ppm Sulfur, Low (Include Ultra Low Sulfur)			
45	No. 2 Diesel > 500 ppm Sulfur, High			
46	Other Distillate			
47	All Other Uses (Specify): _____			
48	Sold to Dealers, Resellers, and Refiners:			
49	<b>Total Distillate (Add Lines 8 thru 48)</b>			

Name of Firm Reporting		DOE ID Number	Reference Year <b>2007</b>	Page _____ of _____
<b>PART II. TOTAL SALES DURING THE REFERENCE YEAR.</b> (Read pages 2-3 of the Instructions)				
Line No.	Type of Fuel and Use	States of Destination (Enter Standard Abbreviations, see page 6 of the Instructions)		
<b>Residual Fuel Oil – Include No. 5 and No. 6</b> (Report in Actual Gallons)				
	Sold directly to consumers for:			
50	Commercial Use (Nonmanufacturing):			
51	Industrial Use (Manufacturing and Mining):			
52	Oil Company Use (Drilling and Own Company Refining):			
53	Vessel Bunkering (Shipping and Boating):			
54	Military Use:			
55	Electric Power (Electric utility and Nonutility):			
56	All Other Uses (Specify): _____			
57	Sold to Dealers, Resellers, and Refiners:			
58	<b>Total Residual (Add Lines 50 thru 57)</b>			

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

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