

Fuel Oil and Kerosene Sales 2009

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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 2009* 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.

Internet Address: <http://www.eia.gov>

In EIA's attempt to reduce cost and conserve paper, we would like our responding companies to retrieve the EIA-821 Survey Form and Instructions via our web site and to submit their forms by email to OOG.surveys@eia.doe.gov or by fax to 202-586-9772, Attn: EIA-821

Further information as to content may be obtained from the Office of Communications and Outreach, telephone (202) 586-8800 or infoctr@eia.gov.

Please be advised that this will be the final year the Fuel Oil and Kerosene Sales report will be provided in one complete PDF.

The Tables will be available in HTML only format beginning with the 2010 data. The Highlights and Appendices will continue to be published in PDF format.

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Introduction

The *Fuel Oil and Kerosene Sales 2009* 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 2009*.

NOTE: The 2008 sales and adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2008*. The revisions to the data were made to include new distillate fuel oil and residual fuel oil volumes for “Electric Power” and new diesel volumes for “On-Highway Diesel”. 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 2009

In 2009, overall sales of fuel oil and kerosene fell sharply from 66.8 billion gallons to 59.7 billion gallons. The drop of 7.1 billion gallons (10.6 percent) from the level set in 2008 is the second largest drop in combined sales on record, resulting in the lowest combined total since data were first collected in 1984. Distillate sales decreased by 5.5 billion gallons, slipping to 52.7 billion gallons, the lowest total since 1995. Residual fuel oil sales fell by almost 1.6 billion gallons below the level attained in 2008 to 6.7 billion gallons. Kerosene sales reversed a downward trend and increased 18.7 percent to 259.6 million gallons, but still the second lowest level in more than 26 years.

In 2009, sales of residual fuel oil accounted for 11.2 percent of total fuel oil and kerosene sales, the lowest share of the total since EIA began publishing data. The large drop in sales of residual fuel oil resulted in distillate fuel oil sales accounting for 88.3 percent of total sales, exceeding the previous highest share of

total sales set in 2008, when distillate sales accounted for 87.3 percent of total fuel oil and kerosene sales. Sales of kerosene made up just 0.4 percent of total sales, compared to 0.3 percent in 2008.¹

Distillate Fuel Oil

In 2009, distillate sales fell 5.5 billion gallons. This marked the first time since 1991 that distillate sales fell in two consecutive years. The drop in sales during 2009 exceeded the magnitude of any previous decline in sales during that time frame.² Despite the size of the overall drop in distillate sales in 2009, sales to the commercial sector and in vessel bunkering increased slightly, while sales to all other sectors fell in comparison to the previous year.

The transportation sector continued to dominate distillate sales, accounting for 71.1 percent of the distillate market, matching the previous year. Still, overall sales to the transportation sector slipped by

Table HL1. Volume Distribution of Distillate and Residual Fuel Oils, 2008 and 2009

Energy Use	2009 Distillate		2008 Distillate		2009 Residual		2008 Residual	
	Volume (million gallons)	Percent Share						
Residential.....	4,104	7.8	4,631	7.9	—	—	—	—
Commercial.....	2,818	5.3	2,572	4.4	425	6.3	403	4.9
Industrial.....	2,196	4.2	2,366	4.1	561	8.4	1,034	12.5
Oil Company.....	742	1.4	990	1.7	25	0.4	58	0.7
Farm.....	2,657	5.0	3,212	5.5	—	—	—	—
Electric Power.....	544	1.0	544	0.9	1,125	16.8	1,699	20.5
Railroad.....	2,065	3.9	2,697	4.6	—	—	—	—
Vessel Bunkering.....	1,266	2.4	1,187	2.0	4,543	67.7	5,066	61.2
On-Highway.....	34,148	64.8	37,528	64.4	—	—	—	—
Military.....	234	0.4	260	0.4	15	0.2	9	0.1
Off-Highway.....	1,957	3.7	2,272	3.9	—	—	—	—
Other.....	0	0.0	0	0.0	11	0.2	4	0.1
Total.....	52,731		58,262		6,706		8,273	

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 2005-2009. On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

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

² During the period 1991-2009, the average increase was 1.6 billion gallons while the largest previous drop was the 4.9 billion gallons that occurred in 2008.

3.9 billion gallons; nearly 3.4 billion gallons of the drop was on-highway fuel. Sales to the railroad sector dropped 632 million gallons while bunker sectors showed a slight increase of almost 79 million gallons.

The precipitous drop in sales was driven by the deteriorating economic conditions that surfaced during the second half of 2008 and continued through most of 2009. Economic conditions as measured by Gross Domestic Product (GDP) decreased at a rate of 2.6 percent in 2009,³ the first yearly drop in the GDP since 1991. The collapse of the housing market helped plunge the nation into recession as spending on new residential construction dropped by nearly 42 percent and, as a result, total spending for private construction went down by 22 percent. Capacity utilization rates for both the industrial and manufacturing sectors declined for the second consecutive year, by nearly 10.1 percent and 10.4 percent respectively.⁴ Total industrial production also showed a steep decline for the second consecutive year, from 3.3 percent to 9.3 percent.⁵ The unemployment rate increased from 5.8 percent to 9.3 percent, peaking at 10.2 percent in October. This was the highest the unemployment rate had been since the 1983 recession when it was above 10 percent.⁶

While weather plays an important role in shaping demand for distillate fuel, 2009 was a year not unlike 2008 with no dramatic differences from normal conditions. The winter was nominally cooler than in 2008 but still only very slightly cooler than normal. While colder winter weather tends to boost sales to the residential home heating market, particularly in the New England and the Central Atlantic regions where heating oil sales are concentrated,⁷ adverse economic conditions contributed to a drop in the principal consuming regions despite a reduction in the cost of heating oil. Distillate sales to the residential sector fell by almost 392 million gallons in the northeast on top of a drop of more than 430 million gallons the year before.

On a national level, the summer of 2009 was a bit cooler than 2008 but slightly warmer than normal.

Consequently, the need for electric utilities to consume distillate fuel to meet peak summer generation loads remained flat. Sales to utilities at the national level fell by only 155,000 thousand gallons (0.03 percent).

In the agricultural sector, the overriding factor in 2009 was the state of the economy as historical record lows in distillate sales were recorded. At the national level the farm sector declined 17.3 percent to 2.7 billion gallons, dropping below 3.0 billion barrels for the first time since 1987. Sales increased in only one section of the country, the Rocky Mountains, and by only 12 million gallons. In PAD District 1 (the East Coast), distillate sales for farm use dropped 8.7 percent. This was a small drop in comparison to the 13.6 percent drop in PAD District 2 (the Midwest farm belt), the 23.1 percent drop in PAD District 5 (the West Coast), and the 35.9 percent drop in PAD District 3 (the Gulf Coast). By volume, sales in the Midwestern farm belt decreased more than any other region, dropping almost 220 million gallons. In the Gulf Coast, sales also fell by approximately 215 million gallons, more than double the drop on the West Coast of almost 102 million gallons.

While weather traditionally plays a major role in the farm sector this did not appear to be the case in 2009. As in most years, there were extreme weather events throughout the country. In the Midwest, major delays in crop planting, maturation, and harvesting were caused by cool, wet weather during the spring, summer, and fall. This was in contrast to a drought in Texas where they experienced their driest winter in 114 years of record keeping. Surprisingly, increases were seen in the harvests of soybeans (13 percent) and rice (8 percent). The corn production harvest was the highest on record. Only wheat and cotton production showed declines from the previous year at 11 percent and 3 percent, respectively.⁸

In 2009, weather did not play a major role in influencing oil company use of distillate fuel. However, product demand and falling prices did negatively affect exploration and development activities leading to a precipitous drop in new drilling activity. For the first time since 2002 the number of

³ GDP is a prime measure of the state of the economy as measured in constant (inflation adjusted) dollars.

⁴ *Economic Indicators*, December 2010, p.17.

⁵ Total industrial production includes manufacturing of both durable and nondurable goods, mining and utilities.

⁶ *Economic Indicators, December 2010*, p 11. (Note, data apply to persons age 16 and over.)

⁷ 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 sub districts PADD 1A, New England, PADD 1B, Central Atlantic, and PADD 1C, Lower Atlantic.

⁸ Department of Agriculture, National Agricultural Statistics Service, *Crop Production 2009 Summary*, January 2010, page 76.

drilling rigs in operation, an important measure of oil company activity, dropped by 42 percent compared to 2008.⁹ From the fourth quarter of 2008 through the second quarter of 2009 the number of working rigs decreased each month until July when the number ticked upward reflecting changing economic conditions and lower prices for oil and petroleum products. Distillate sales to oil companies decreased by 25.1 percent erasing all gains made the prior year. Sales tumbled dramatically in the Midwest and Rocky Mountains (62.8 percent and 77.2 percent, respectively) while dropping slightly along the Gulf Coast. Combined sales in the three sub-regions of the East Coast grew by 24.7 million gallons, driven almost entirely by West Virginia which saw an increase in sales of 18.6 million gallons. Sales on the West Coast also showed some growth. Alaska led the way by increasing sales 25.4 million gallons, however, California dropped 9.4 million gallons from the previous year resulting in a regional net increase of 15.9 million gallons.

For the first time since 1991, sales of distillate fuel to the transportation sector fell for two consecutive years, dropping in aggregate by 3.9 billion gallons. Nearly 3.4 billion gallons of that drop resulted from reduced demand in the on-highway sector. Sales of on-highway diesel fell in all regions of the country. Sales of distillate fuel for use by railroads also fell in every region except the Rocky Mountains. There sales increased 11 percent (15 million gallons). At the national level, sales to railroads fell by nearly 23 percent, dropping 632 million gallons, compared to a drop of 938 million gallons in 2008. In a turnaround from last year, sales of bunker marine fuel, the final component of transportation sales, increased a moderate 6.6 percent (79 million gallons) after dropping more than 38 percent (736 million gallons). The Gulf Coast states drove sales showing an increase of almost 51 percent while maintaining the largest share of the national total at approximately 43 percent, up from 30 percent in 2008.

In 2009, sales to the off-highway sector dropped for the second consecutive year and the third time in the last four years. The sales of 1.96 billion gallons were the lowest recorded total since the 1.76 billion gallons in 1992. In 2009 alone sales dropped by 315 million gallons, down by 13.9 percent. This is yet another indicator of the downturn in the economy which affected sales of distillate fuel across the board.

⁹ Baker Hughes, Inc., Houston, Texas, *Rotary Rigs Running by State*.

¹⁰ *Economic Indicators*. December 2010, p.17.

Bucking the downward trend, the commercial sector was one of only two sectors that showed an increase in sales at the national level (vessel bunkering was the other). This was the first increase in the sector in five years. In 2009 sales bumped-up 245.9 million gallons, an increase of 9.6 percent. Every region contributed to the sector growth showing an increase in sales from the year before. Only in the Central Atlantic sub-region of the East Coast was there a minimal drop (4.8 percent) which was negated by gains in the other two sub-regions. Sales continued to be strong both in the Midwest and on the West Coast where sales increased for the second consecutive year. In the Midwest region sales increased 43 million gallons (9.5 percent) on top of the 42 million gallons (10.3 percent) recorded in 2008. Sales in the West Coast region increased 23 million gallons (7.7 percent) after 2008 sales of 84.8 million gallons (38.8 percent).

Nationally, sales to the industrial sector fell 7.2 percent (169.7 million gallons) reflecting a drop in industrial production of 9.3 percent and in industrial utilization of 10.1 percent.¹⁰ This put sales at their lowest point since 1993. Regionally, sales of distillate fuel oil to the industrial sector fell on the East Coast, the Midwest, and the West Coast. The East Coast contributed the most to this loss by dropping 144.4 million gallons (18.7 percent) from the previous year. Sales increased somewhat on the Gulf Coast but the largest increase was in the Rocky Mountains where sales were up by 36.9 million gallons (15.2 percent).

Dropping 25.7 million gallons (9.9 percent), distillate sales to the military fell for the second consecutive year. Regionally, sales fell in the Midwest, Gulf Coast, Rocky Mountains and the West Coast. Only on the East Coast did sales show an increase and that was mostly confined in the Central Atlantic states where sales jumped 11.1 million gallons (56.0 percent). The largest declines were on the Gulf Coast where sales fell 5.6 million gallons (14.3 percent) and on the Pacific Coast where sales dropped 22.6 million gallons (15.2 percent).

Residual Fuel Oil

Both the long term trend of declining sales of residual fuel oil and the adverse economic conditions that affected sales of petroleum products continued during 2009 as overall sales of residual fuel fell by 18.9

percent (1.6 billion gallons). Sales to the various market segments were mixed with small volumetric increases to the commercial, military, and the miscellaneous “all other” category. However, the losses suffered in the electric utility, bunker, industrial, and oil company sectors overwhelmed these small gains.

While sales of bunker fuel continued to represent the largest share of the residual fuel oil sales market (67.8 percent) the largest decline in sales was in the electric utility sector. Here the loss of residual fuel oil sales hit 573.6 million gallons, a drop of 33.8 percent from the previous year. This loss was closely followed by the drop in sales of bunker fuel of 522.3 million gallons (10.3 percent) and the decrease in sales of 472.6 million gallons (45.7 percent) to the industrial market. Sales to the oil company market showed a relatively modest drop of 32.7 million gallons, a decrease of 56.4 percent. In comparison, the three sectors showing growth combined for a total of only 33.8 million gallons.

Continuing what appears to be a downward trend; overall sales of residual fuel oil have fallen by nearly 50 percent over the past decade. Despite the downward trend, the period has been characterized by extreme volatility with precipitous swings in the volume of sales, particularly with respect to the electric utility sector. Since 1999, annual sales to the electric power sector have fallen by at least one billion gallons three times and increased by at least one billion gallons three 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 1.3 billion gallons in 2001, 1.7 billion gallons in 2003, and 1.1 billion gallons in 2005. However, the overall trend translates into a 77.5 percent drop in sales to the electric utility sector over the past decade.

Historically, the high degree of volatility was at times attributed to changes in the electric power sector, weather conditions, the pricing structure of residual fuel oil and competing fuels, and other factors affecting the production and sales of residual fuel in general. However, the potential for some level of fluctuation in the amount of fuel sold remains

whenever interruptible gas contracts take effect during extremely cold winter periods and whenever price differentials make switching attractive. Fluctuations can occur either in the short term or when prolonged periods of higher prices of either residual fuel or natural gas make fuel switching attractive for the relative few that can switch.

Nonetheless, the principal reasons for the decline in sales of residual fuel oil remain, changing crude oil specifications and the enhanced refinery sophistication resulting in increased production of gasoline and distillate at the expense 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 its use in the production of electric power in particular.¹¹

Kerosene

For the first time in four years, kerosene sales increased at the national level. Spurred on almost entirely by the residential sector, total sales of kerosene jumped 40.8 million gallons, enough for a solid 18.7 percent increase over the previous year. However, this increase had little effect on a downward trend that in 2008 saw kerosene sales at their lowest total in more than 25 years. Regardless of the increase recorded in 2009, kerosene sales have plunged by 75.7 percent since 2005. Anecdotal evidence suggests that fuel switching to natural gas and to some extent, to propane is primarily responsible for the drop in sales.

Sales to the residential sector showed the most dramatic increase jumping 40.1 million gallons more than the prior year, an impressive 25.4 percent. Without exception, all regions of the country exhibited growth with the largest increases occurring along the East Coast from New England to Florida. This is the same region that in 2008 showed the biggest drop in sales. The rise in kerosene sales in the New England and Central Atlantic states alone accounted for 29.3 million gallons of the increase in national sales (73.2 percent). These numbers were

¹¹ 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.

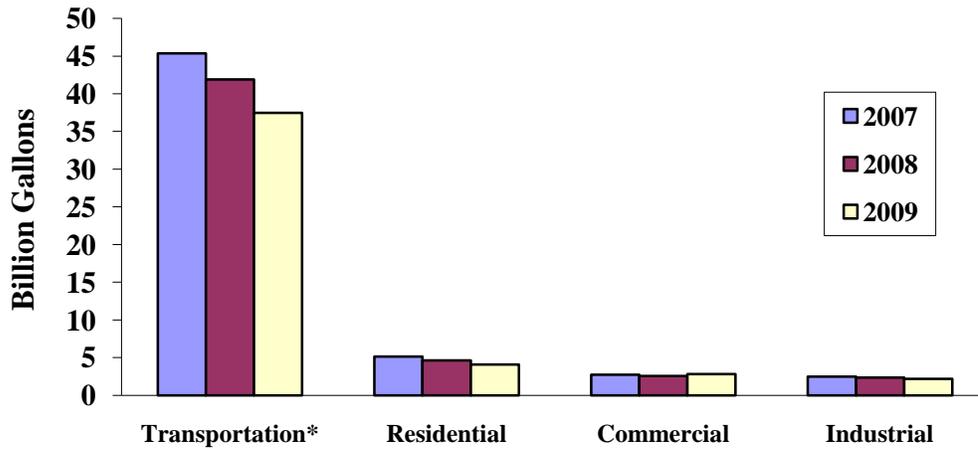
complemented by the Midwest region where sales rose by 10.3 million gallons or 25.7 percent of the increase in national sales.

Sales to all other sectors were basically flat. Both the industrial and farm sectors rose but only by 1.5 million gallons and 1.1 million gallons respectively at the national level. The New England sub-region of

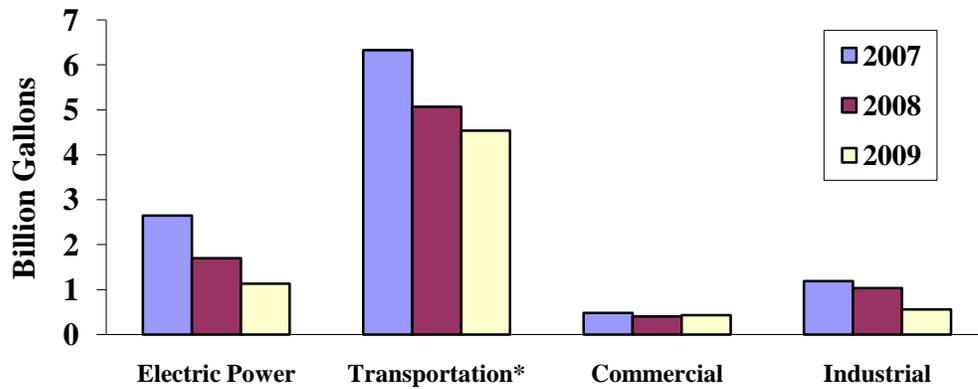
the East Coast drove sales to the industrial market by gaining 1.7 million gallons (35.3 percent). Sales to the farm sector increased in every region except the Rocky Mountains where sales remained flat. On the negative side, national sales fell in both the commercial and “all other” sectors but again, only by 1.4 million gallons and 439 thousand gallons respectively.

Figure HL1. U.S. Sales of Distillate and Residual Fuel Oils by Energy Use, 2007-2009

Distillate Fuel Oil



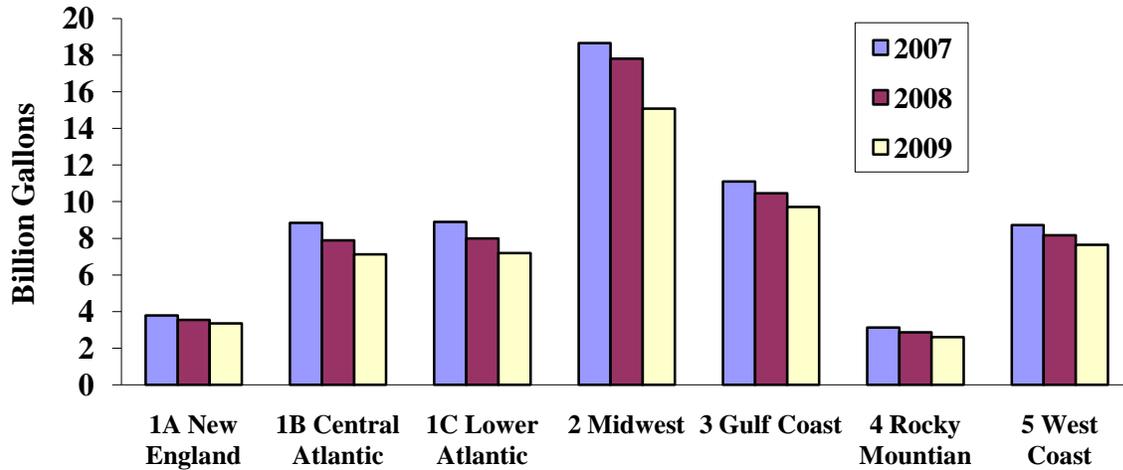
Residual Fuel Oil



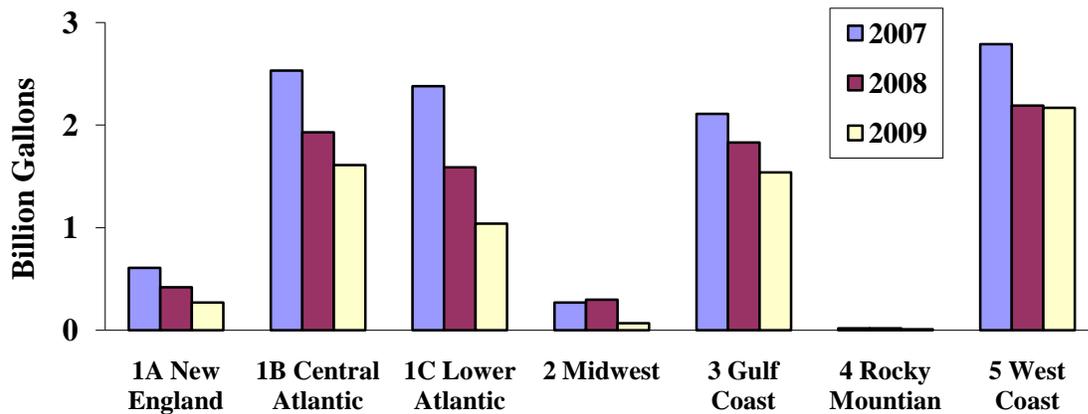
*For distillate fuel oil, transportation use comprises railroad, vessel bunkering, and on-highway diesel energy use categories. For residual fuel oil, transportation use comprises vessel bunkering energy use category.
 Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2008 and 2009.

Figure HL2. Volume Distribution of Distillate and Residual Fuel Oils by PAD District, 2007-2009

Distillate Fuel Oil



Residual Fuel Oil

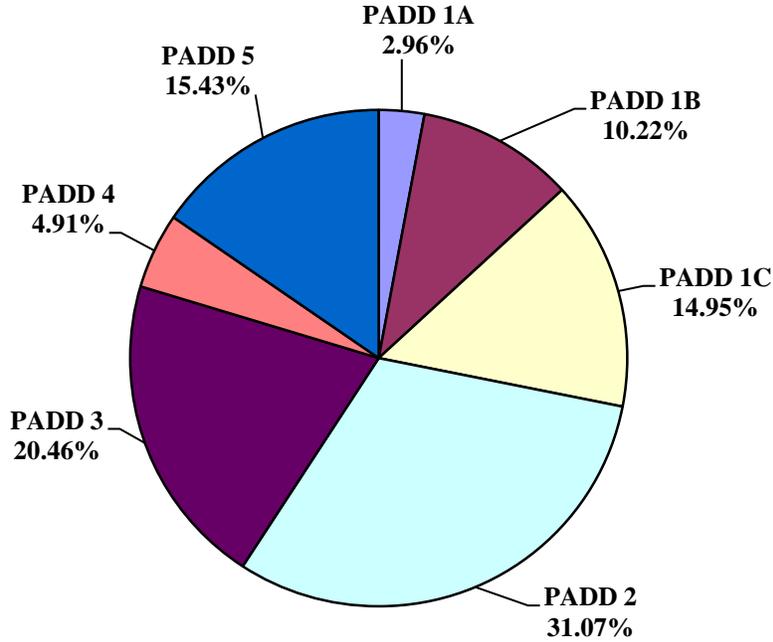


*Residual fuel oil sales in PAD District 4 are too small to appear in the graph.

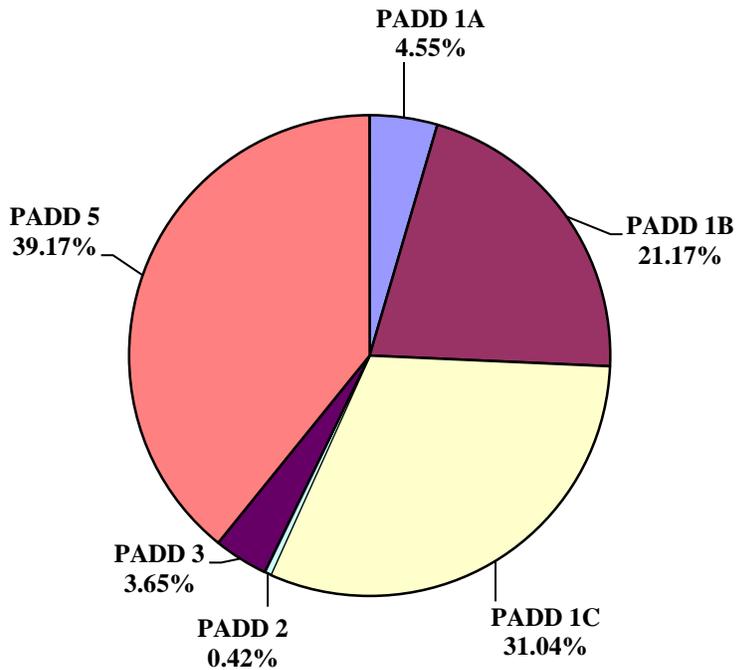
Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 2008 and 2009.

Figure HL3. Distillate and Residual Fuel Oil Sales for Selected Energy Use Categories by PADD District, 2009

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," 2009.

Table 1. Sales of Distillate Fuel Oil by Energy Use in the United States: 2005-2009
(Thousand Gallons)

Energy Use	Distillate Fuel Oil				
	2005	2006	2007	2008	2009
U.S. Total	63,164,569	62,192,027	63,210,781	^R 58,261,587	52,731,010
Residential	6,154,461	4,984,826	5,141,642	4,631,195	4,103,867
Commercial	3,224,216	2,808,786	2,718,674	2,572,260	2,818,162
Industrial	2,459,711	2,463,676	2,466,906	2,366,164	2,196,429
Oil Company	472,922	636,788	774,984	990,254	741,884
Farm	3,215,819	3,261,345	3,202,847	3,212,359	2,656,797
Electric Power	906,976	656,355	669,951	544,295	544,140
Railroad	3,447,630	3,552,430	3,634,512	2,696,738	2,064,624
Vessel Bunkering	2,005,564	1,903,138	1,923,981	1,187,490	1,266,256
On-Highway Diesel	38,053,129	39,118,301	39,801,744	^R 37,528,464	34,147,806
Military	268,553	327,827	363,145	260,120	234,356
Off-Highway	2,955,589	2,478,554	2,512,394	2,272,249	1,956,688

R = Revised.

Notes: • See "Technical Note 3" for further explanations on 2008 revised data. • 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 2005-2009. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

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

Table 2. Sales of Residual Fuel Oil by Energy Use in the United States: 2005-2009
(Thousand Gallons)

Energy Use	Residual Fuel Oil				
	2005	2006	2007	2008	2009
U.S. Total	13,442,165	10,273,631	10,706,479	8,272,952	6,705,631
Commercial	720,361	479,124	481,368	403,699	425,143
Industrial	1,670,563	1,451,730	1,187,319	1,033,904	561,321
Oil Company	74,048	65,247	43,972	57,839	25,166
Electric Power	5,763,623	2,505,724	2,646,574	1,698,884	1,125,328
Vessel Bunkering	5,178,560	5,753,592	6,326,931	5,065,692	4,543,371
Military	29,638	12,005	17,719	9,262	14,609
All Other	5,373	6,209	2,595	3,672	10,694

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 2005-2009.

Table 3. Sales of Kerosene by Energy Use in the United States: 2005-2009
(Thousand Gallons)

Energy Use	Kerosene				
	2005	2006	2007	2008	2009
U.S. Total	1,070,160	822,990	492,702	218,736	259,560
Residential	620,767	491,508	325,320	157,694	197,764
Commercial	159,943	112,392	67,960	31,639	30,229
Industrial	267,450	202,590	88,372	23,185	24,732
Farm	19,875	15,064	9,531	5,169	6,225
All Other	2,124	1,435	1,520	1,050	611

Notes: • See "Technical Note 3" for further explanations 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 2005-2009 and the "Petroleum Supply Annual," Volume 1, 2005-2009, (DOE/EIA-0340(05)/1 - (09)/1).

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2008	2009	2008	2009	2008	2009
U.S. Total	4,631,195	4,103,867	2,572,260	2,818,162	2,366,164	2,196,429
PAD District 1 Total	4,118,784	3,670,999	1,555,596	1,577,735	773,351	628,970
Subdistrict 1A Total	1,743,044	1,652,797	400,529	405,847	54,201	61,810
Connecticut	514,156	506,236	101,797	82,362	10,017	17,504
Maine	247,877	220,123	107,056	85,876	16,285	17,387
Massachusetts	620,117	581,772	103,001	130,456	9,903	6,726
New Hampshire	166,306	138,179	40,693	43,828	6,444	13,036
Rhode Island	115,156	124,087	24,052	34,745	1,884	933
Vermont	79,431	82,400	23,930	28,580	9,668	6,225
Subdistrict 1B Total	2,125,739	1,824,324	886,863	844,590	268,167	186,200
Delaware	23,461	24,234	8,121	10,986	2,173	3,316
District of Columbia	6,185	7,174	8,646	12,177	80	47
Maryland	123,466	134,369	49,070	65,924	18,323	23,215
New Jersey	276,444	270,553	93,059	90,728	9,501	13,124
New York	1,088,618	845,803	526,526	493,836	48,999	49,268
Pennsylvania	607,565	542,192	201,441	170,940	189,090	97,230
Subdistrict 1C Total	250,000	193,878	268,204	327,299	450,983	380,960
Florida	1,145	1,551	102,377	127,638	51,598	36,625
Georgia	1,212	1,125	26,118	38,429	38,689	49,898
North Carolina	66,087	51,803	46,545	74,320	33,279	34,794
South Carolina	6,032	6,423	25,566	21,103	16,771	23,066
Virginia	161,923	123,458	62,107	54,649	106,389	48,734
West Virginia	13,601	9,519	5,491	11,159	204,257	187,843
PAD District 2 Total	362,627	269,763	450,924	493,652	573,648	536,121
Illinois	7,186	4,755	47,802	34,840	65,130	38,310
Indiana	21,386	12,384	48,691	39,295	63,753	46,657
Iowa	9,402	7,424	13,223	20,913	8,014	16,361
Kansas	148	178	11,451	12,621	9,693	14,084
Kentucky	9,398	13,077	20,262	16,901	175,484	195,497
Michigan	46,685	37,025	41,584	55,840	23,459	27,079
Minnesota	59,111	41,484	34,700	42,678	36,340	20,032
Missouri	4,062	3,090	22,129	23,893	26,049	25,794
Nebraska	2,016	1,447	11,795	9,420	3,546	4,473
North Dakota	24,083	13,014	9,082	8,097	21,575	16,473
Ohio	83,817	73,270	79,276	101,028	54,619	63,243
Oklahoma	47	117	25,351	30,503	7,537	14,855
South Dakota	7,534	5,130	6,770	6,991	3,868	4,126
Tennessee	6,085	6,714	27,233	49,889	21,429	17,468
Wisconsin	81,668	50,652	51,574	40,742	53,152	31,670
PAD District 3 Total	2,442	5,295	203,952	317,860	366,897	387,637
Alabama	391	3,971	40,124	40,317	101,944	91,166
Arkansas	69	160	4,384	40,036	58,316	28,399
Louisiana	1,867	1,036	23,244	60,867	27,929	21,955
Mississippi	13	5	21,012	27,237	18,969	21,928
New Mexico	93	55	24,812	11,216	39,341	33,849
Texas	11	67	90,376	138,187	120,399	190,339
PAD District 4 Total	17,246	14,003	58,435	102,335	243,555	280,459
Colorado	333	465	18,909	58,465	34,359	36,144
Idaho	8,949	6,971	9,257	10,340	16,872	22,069
Montana	6,545	4,693	7,988	5,993	31,317	16,708
Utah	729	928	17,880	21,417	43,042	42,445
Wyoming	690	945	4,400	6,120	117,965	163,093
PAD District 5 Total	130,095	143,807	303,354	326,579	408,712	363,242
Alaska	51,063	61,126	48,139	44,546	49,472	52,948
Arizona	91	135	50,039	35,721	144,108	101,655
California	5,898	15,827	106,584	154,278	49,053	71,905
Hawaii	108	114	9,345	11,098	2,716	2,468
Nevada	6,856	4,785	12,458	10,088	103,136	97,429
Oregon	23,198	22,220	23,640	29,366	25,825	16,709
Washington	42,881	39,599	53,149	41,482	34,402	20,128

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Power	
	2008	2009	2008	2009	2008	2009
U.S. Total	990,254	741,884	3,212,359	2,656,797	544,295	544,140
PAD District 1 Total	28,437	53,152	365,794	333,920	173,770	193,169
Subdistrict 1A Total	26	12	30,222	13,924	12,412	15,526
Connecticut	26	12	2,339	1,673	3,958	9,308
Maine	-	-	14,096	3,256	11	167
Massachusetts	-	-	1,392	1,665	5,367	3,944
New Hampshire	-	-	5,397	2,386	869	923
Rhode Island	-	-	94	20	1,874	1,040
Vermont	-	-	6,904	4,925	333	144
Subdistrict 1B Total	10,623	16,164	105,733	94,907	77,726	108,204
Delaware	3,203	10,694	4,695	5,904	2,077	2,940
District of Columbia	-	-	-	-	5,633	902
Maryland	128	87	16,675	9,734	14,313	6,670
New Jersey	396	705	2,490	6,106	8,607	13,022
New York	877	2,281	41,076	30,946	16,793	55,361
Pennsylvania	6,019	2,397	40,797	42,217	30,303	29,309
Subdistrict 1C Total	17,787	36,976	229,839	225,089	83,632	69,440
Florida	66	236	73,210	86,643	34,707	30,121
Georgia	216	65	67,578	69,329	13,865	2,539
North Carolina	62	42	36,645	41,793	8,263	12,418
South Carolina	332	497	17,278	8,179	8,520	6,477
Virginia	661	1,046	33,563	17,525	7,719	4,634
West Virginia	16,450	35,089	1,565	1,619	10,558	13,251
PAD District 2 Total	147,572	54,921	1,612,038	1,392,215	180,124	136,898
Illinois	52	2,125	175,209	119,789	20,558	9,702
Indiana	958	1,311	118,524	92,558	27,618	9,143
Iowa	-	-	162,662	179,009	7,500	6,794
Kansas	15,464	5,019	163,414	139,492	2,755	1,946
Kentucky	1,432	766	25,307	19,139	11,379	10,468
Michigan	15,552	14,360	47,374	49,342	27,811	8,539
Minnesota	661	659	110,462	154,944	7,168	4,072
Missouri	1	38	114,267	91,627	4,445	3,897
Nebraska	5	141	204,131	152,079	4,234	6,711
North Dakota	43,977	20,934	123,102	97,235	3,284	4,426
Ohio	4,827	370	121,600	96,550	34,991	26,676
Oklahoma	64,643	9,171	55,653	36,093	6,496	22,345
South Dakota	-	-	60,331	62,466	333	130
Tennessee	-	28	25,682	19,790	16,996	18,697
Wisconsin	-	-	104,320	82,102	4,555	3,354
PAD District 3 Total	554,669	516,566	598,750	384,019	34,820	46,247
Alabama	705	-	35,626	17,851	10,729	8,329
Arkansas	16,158	59,866	202,896	68,889	330	1,293
Louisiana	65,644	243,093	56,616	42,624	3,006	9,382
Mississippi	7,262	3,955	36,366	41,080	3,106	3,584
New Mexico	22,014	9,458	18,177	11,283	758	3,980
Texas	442,886	200,195	249,071	202,292	16,892	19,679
PAD District 4 Total	205,025	46,761	195,460	207,890	2,555	5,847
Colorado	88,490	15,957	37,752	41,005	1,020	1,575
Idaho	-	467	52,791	54,696	13	14
Montana	13,125	20,953	90,804	96,294	1,312	1,357
Utah	33,788	1,925	4,802	6,786	83	2,593
Wyoming	69,622	7,460	9,312	9,110	127	307
PAD District 5 Total	54,552	70,483	440,316	338,753	153,025	161,979
Alaska	41,306	66,696	94	191	42,882	47,097
Arizona	77	407	29,374	35,906	4,344	4,928
California	12,664	3,168	302,532	201,372	6,143	5,018
Hawaii	1	3	3,537	4,175	89,518	98,646
Nevada	273	59	2,738	5,381	1,070	327
Oregon	-	-	28,348	34,031	3,133	1,630
Washington	231	149	73,693	57,696	5,935	4,332

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	2008	2009	2008	2009	R2008	2009
U.S. Total	2,696,738	2,064,624	1,187,490	1,266,256	37,528,464	34,147,806
PAD District 1 Total	483,176	407,678	323,871	206,594	10,763,333	9,929,426
Subdistrict 1A Total	39,228	37,741	59,579	27,841	1,062,422	1,044,171
Connecticut	3,219	2,196	3,119	3,920	292,688	266,121
Maine	1,691	7,252	4,407	2,217	180,284	176,004
Massachusetts	32,029	18,805	43,976	16,755	375,414	399,575
New Hampshire	126	745	2,394	2,359	97,837	92,882
Rhode Island	72	4	5,682	2,591	55,826	55,684
Vermont	2,091	8,740	—	—	60,373	53,905
Subdistrict 1B Total	175,297	136,907	62,011	65,207	3,956,845	3,629,109
Delaware	1,117	1,096	406	322	59,569	55,610
District of Columbia	—	—	—	—	15,887	11,944
Maryland	2,860	542	9,095	745	528,862	515,315
New Jersey	15,025	8,260	21,343	40,910	902,201	679,361
New York	42,829	35,678	9,364	6,948	1,120,424	1,064,997
Pennsylvania	113,466	91,332	21,803	16,282	1,329,902	1,301,882
Subdistrict 1C Total	268,651	233,029	202,281	113,545	5,744,066	5,256,146
Florida	63,435	34,304	143,399	76,714	1,478,514	1,322,703
Georgia	68,708	62,352	10,533	10,808	1,325,065	1,197,220
North Carolina	28,423	67,055	7,279	5,997	968,520	886,949
South Carolina	14,598	2,925	15,581	6,556	667,949	641,944
Virginia	78,431	64,745	14,085	13,372	1,017,285	935,552
West Virginia	15,056	1,647	11,403	100	286,733	271,778
PAD District 2 Total	1,072,535	623,514	178,434	114,851	12,123,237	10,905,027
Illinois	49,841	52,439	58,698	38,532	1,436,180	1,364,571
Indiana	50,638	37,408	23,950	14,780	1,302,135	1,109,103
Iowa	23,962	17,061	240	662	643,923	601,324
Kansas	82,208	67,180	—	—	480,947	441,256
Kentucky	87,902	48,002	34,356	21,736	821,452	742,976
Michigan	10,686	7,813	6,752	7,586	838,960	780,954
Minnesota	76,058	37,351	18,986	9,811	663,548	584,807
Missouri	11,470	18,323	869	1,149	985,190	944,991
Nebraska	12,227	3,255	—	—	406,238	386,874
North Dakota	58,499	2,821	—	—	193,615	194,777
Ohio	129,567	124,912	17,732	11,714	1,494,384	1,323,991
Oklahoma	391,779	144,438	10	8	906,265	729,736
South Dakota	5,957	5,730	—	—	198,713	197,232
Tennessee	34,092	30,348	16,187	8,246	1,002,320	826,077
Wisconsin	47,648	26,433	653	627	749,367	676,358
PAD District 3 Total	553,958	484,036	359,740	541,387	7,338,939	6,641,445
Alabama	41,895	38,583	58,091	51,145	736,640	657,070
Arkansas	15,085	9,414	48,853	47,138	627,835	592,469
Louisiana	22,228	13,956	130,583	170,215	690,551	694,073
Mississippi	22,495	19,951	44,595	104,777	623,455	553,866
New Mexico	1,827	245	—	—	473,827	432,794
Texas	450,428	401,886	77,618	168,113	4,186,631	3,711,173
PAD District 4 Total	133,496	148,489	24	19	1,891,875	1,693,227
Colorado	4,336	47,895	1	1	566,484	510,211
Idaho	14,443	9,692	22	18	243,868	225,624
Montana	8,213	5,613	—	—	250,069	235,067
Utah	24,084	19,933	—	—	446,071	399,528
Wyoming	82,420	65,356	—	—	385,383	322,797
PAD District 5 Total	453,572	400,908	325,422	403,405	5,411,080	4,978,681
Alaska	6,089	5,899	96,685	92,994	171,630	202,102
Arizona	6,794	8,200	1	—	792,698	739,863
California	260,977	220,552	81,169	168,377	2,838,723	2,591,988
Hawaii	6	5	57,365	70,322	56,394	46,847
Nevada	6,640	11,520	22	7	329,292	302,145
Oregon	94,836	91,305	13,001	11,798	534,041	498,335
Washington	78,230	63,426	77,180	59,906	688,302	597,401

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Military		Off-Highway		Total	
	2008	2009	2008	2009	R2008	2009
U.S. Total	260,120	234,356	2,272,249	1,956,688	58,261,587	52,731,010
PAD District 1 Total	62,058	65,292	772,892	606,038	19,421,061	17,672,973
Subdistrict 1A Total	16,825	5,446	108,887	81,845	3,527,375	3,346,960
Connecticut	962	392	19,200	14,686	951,482	904,410
Maine	7,766	1,363	13,983	14,314	593,456	527,957
Massachusetts	3,105	74	53,767	27,658	1,248,071	1,187,429
New Hampshire	3,220	1,570	14,361	8,977	337,648	304,884
Rhode Island	1,403	1,627	2,026	5,634	208,069	226,363
Vermont	368	420	5,550	10,576	188,648	195,916
Subdistrict 1B Total	19,757	30,821	202,509	186,884	7,891,271	7,123,317
Delaware	127	122	2,821	2,578	107,772	117,801
District of Columbia	289	165	1,222	1,043	37,941	33,452
Maryland	6,428	4,276	33,905	15,450	803,126	776,326
New Jersey	2,068	1,332	60,935	49,244	1,392,069	1,173,343
New York	3,929	18,836	45,684	36,988	2,945,121	2,640,940
Pennsylvania	6,916	6,091	57,941	81,582	2,605,242	2,381,455
Subdistrict 1C Total	25,476	29,025	461,496	337,308	8,002,415	7,202,695
Florida	4,796	2,545	114,038	112,684	2,067,285	1,831,764
Georgia	2,931	3,714	105,580	75,912	1,660,497	1,511,390
North Carolina	4,462	17,962	40,960	43,940	1,240,525	1,237,074
South Carolina	8,304	1,137	52,029	35,275	832,961	753,581
Virginia	4,827	3,321	129,181	59,748	1,616,170	1,326,785
West Virginia	156	347	19,708	9,749	584,978	542,100
PAD District 2 Total	8,980	8,499	643,887	540,756	17,354,006	15,076,218
Illinois	305	328	97,645	60,976	1,958,607	1,726,367
Indiana	220	47	46,237	52,156	1,704,111	1,414,842
Iowa	37	51	23,103	28,317	892,067	877,916
Kansas	606	671	15,659	28,922	782,345	711,369
Kentucky	775	391	30,906	31,526	1,218,653	1,100,480
Michigan	2,058	917	46,808	35,307	1,107,730	1,024,762
Minnesota	385	259	76,595	45,141	1,084,012	941,238
Missouri	2,449	2,240	61,017	51,021	1,231,948	1,166,062
Nebraska	117	183	10,936	26,459	655,246	591,041
North Dakota	417	1,370	10,378	24,828	488,012	383,975
Ohio	653	1,317	68,128	56,455	2,089,593	1,879,525
Oklahoma	303	147	40,820	25,834	1,498,902	1,013,247
South Dakota	136	147	8,916	9,343	292,557	291,295
Tennessee	94	207	58,043	30,648	1,208,161	1,008,112
Wisconsin	426	223	48,696	33,825	1,142,060	945,986
PAD District 3 Total	38,754	33,203	405,462	362,284	10,458,383	9,719,981
Alabama	1,199	2,062	65,055	61,681	1,092,398	972,176
Arkansas	273	269	21,996	23,409	996,193	871,343
Louisiana	912	1,653	74,020	48,581	1,096,599	1,307,436
Mississippi	102	773	46,298	17,746	823,671	794,902
New Mexico	540	330	14,623	5,643	596,011	508,853
Texas	35,729	28,115	183,470	205,225	5,853,510	5,265,271
PAD District 4 Total	1,520	1,159	120,075	112,401	2,869,266	2,612,591
Colorado	780	773	40,883	39,429	793,348	751,920
Idaho	21	42	17,411	14,246	363,647	344,181
Montana	697	159	20,993	20,831	431,063	407,668
Utah	21	100	28,961	19,775	599,462	515,430
Wyoming	-	85	11,826	18,120	681,746	593,392
PAD District 5 Total	148,807	126,203	329,934	335,209	8,158,871	7,649,248
Alaska	11,195	13,334	21,155	14,158	539,709	601,092
Arizona	1,240	1,326	63,733	50,726	1,092,500	978,868
California	8,863	15,764	110,089	144,966	3,782,694	3,593,216
Hawaii	1,912	8,939	8,356	9,806	229,258	252,424
Nevada	1,412	1,704	23,660	43,674	487,557	477,120
Oregon	385	701	31,468	34,306	777,874	740,402
Washington	123,801	84,435	71,474	37,572	1,249,278	1,006,126

R = Revised.

Dashed (-) = No data reported.

Notes: • See "Technical Note 3" for further explanations on 2008 revised data. • 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 2008-2009. • On-Highway Diesel data are Federal Highway Administration statistics of highway special fuels use.

Table 5. Sales of Residual Fuel Oil by Energy Use, 2008 and 2009

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Power	
	2008	2009	2008	2009	2008	2009	2008	2009
U.S. Total	403,699	425,143	1,033,904	561,321	57,839	25,166	1,698,884	1,125,328
PAD District 1 Total	392,036	404,718	542,163	390,679	7,593	5,726	1,130,452	638,783
Subdistrict 1A Total	86,915	64,826	109,340	106,980	178	413	210,645	51,213
Connecticut	3,783	3,471	4,988	5,748	178	413	23,786	20,974
Maine	26,662	14,919	70,931	65,889	-	-	10,900	16,135
Massachusetts	34,044	25,770	13,848	10,817	-	-	157,098	8,478
New Hampshire	12,731	11,928	12,637	12,364	-	-	18,852	4,590
Rhode Island	5,811	5,497	2,745	8,373	-	-	8	-
Vermont	3,884	3,241	4,190	3,809	-	-	-	1,036
Subdistrict 1B Total	299,425	338,089	121,678	71,617	7,113	5,017	166,514	238,261
Delaware	462	5	17,250	12,573	-	-	-	-
Maryland	404	106	17,808	11,352	669	549	12,052	7,466
New Jersey	16,764	15,207	9,826	7,426	1,420	1,407	19,939	119,905
New York	273,185	313,798	43,983	17,254	467	477	103,837	83,457
Pennsylvania	8,610	8,974	32,810	23,012	4,556	2,584	30,686	27,432
Subdistrict 1C Total	5,696	1,802	311,145	212,082	303	296	753,294	349,310
Florida	3,365	500	53,136	37,453	-	-	716,784	316,511
Georgia	-	403	26,605	12,166	-	-	-	-
North Carolina	1,619	95	101,660	68,761	-	-	-	-
South Carolina	20	13	36,865	33,567	110	94	-	-
Virginia	692	792	71,317	57,129	193	202	36,510	32,798
West Virginia	-	-	21,562	3,004	-	-	-	-
PAD District 2 Total	9,915	7,789	229,036	39,679	2,801	1,552	9,774	4,704
Illinois	82	-	4,078	282	-	-	-	-
Indiana	61	314	10,198	993	2,801	1,552	-	-
Iowa	-	-	5,080	-	-	-	-	-
Kansas	-	9	36,605	1,321	-	-	-	-
Kentucky	-	-	1	2,527	-	-	-	-
Michigan	1,935	453	38,687	3,985	-	-	4,477	1,578
Minnesota	5,215	6,630	39,399	2,020	-	-	4,132	2,918
Missouri	32	21	1,157	923	-	-	-	-
Nebraska	1,364	14	1,247	7	-	-	1,165	-
North Dakota	420	44	1,093	526	-	-	-	-
Ohio	289	46	44,696	9,836	-	-	-	-
Oklahoma	-	-	14,468	11,015	-	-	-	-
South Dakota	321	124	1,277	222	-	-	-	208
Tennessee	160	130	5,497	1,313	-	-	-	-
Wisconsin	35	3	25,554	4,709	-	-	-	-
PAD District 3 Total	272	147	235,817	122,744	17,544	13	93,852	41,102
Alabama	-	13	36,711	1,433	-	-	-	-
Arkansas	-	-	1,583	1,485	-	-	1,917	1,226
Louisiana	-	-	56,199	59,730	17,077	-	30,320	24,114
Mississippi	9	-	4,356	1,940	12	13	4,614	500
New Mexico	-	-	8,172	353	-	-	-	-
Texas	264	134	128,797	57,804	455	-	57,000	15,263
PAD District 4 Total	-	1,181	17,197	5,096	1,813	810	-	-
Colorado	-	-	90	-	-	-	-	-
Idaho	-	-	-	298	-	-	-	-
Montana	-	1,181	-	-	-	-	-	-
Utah	-	-	15,736	4,777	-	-	-	-
Wyoming	-	-	1,371	22	1,813	810	-	-
PAD District 5 Total	1,476	11,308	9,690	3,122	28,088	17,065	464,805	440,739
Alaska	21	-	-	-	14	-	-	-
California	-	-	1,580	235	12,542	-	697	-
Hawaii	-	-	-	-	15,532	17,065	464,108	440,739
Oregon	1,454	1,585	7,869	2,887	-	-	-	-
Washington	-	9,723	242	-	-	-	-	-

See footnotes at end of table.

Table 5. Sales of Residual Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	2008	2009	2008	2009	2008	2009	2008	2009
U.S. Total	5,065,692	4,543,371	9,262	14,609	3,672	10,694	8,272,952	6,705,631
PAD District 1 Total	1,857,726	1,460,031	8,651	14,049	153	6,048	3,938,776	2,920,034
Subdistrict 1A Total	13,022	50,075	729	767	30	385	420,858	274,660
Connecticut	-	127	729	767	30	7	33,494	31,508
Maine	2,091	29,212	-	-	-	-	110,585	126,135
Massachusetts	10,838	14,562	-	-	-	-	215,829	59,627
New Hampshire	-	-	-	-	-	325	44,220	29,207
Rhode Island	93	6,174	-	-	-	-	8,657	20,043
Vermont	-	-	-	-	-	52	8,074	8,139
Subdistrict 1B Total	1,327,839	938,273	7,012	11,744	27	4,207	1,929,608	1,607,207
Delaware	43,707	37,063	-	-	-	-	61,419	49,641
Maryland	20,934	9,085	6,291	6,479	-	-	58,158	35,037
New Jersey	767,803	377,929	-	1,740	-	4,191	815,753	527,804
New York	369,650	426,437	-	3,518	27	17	791,150	844,958
Pennsylvania	125,744	87,759	721	6	-	-	203,128	149,766
Subdistrict 1C Total	516,865	471,684	911	1,539	96	1,456	1,588,309	1,038,167
Florida	151,832	113,550	25	-	-	-	925,142	468,014
Georgia	253,425	245,375	-	-	-	-	280,031	257,944
North Carolina	26,091	25,235	-	133	-	75	129,370	94,299
South Carolina	50,900	67,042	45	-	-	-	87,939	100,715
Virginia	34,617	20,483	841	1,405	96	1,381	144,266	114,190
West Virginia	-	-	-	-	-	-	21,562	3,004
PAD District 2 Total	46,330	15,448	-	-	3,519	3,532	301,375	72,706
Illinois	1,211	881	-	-	-	-	5,371	1,163
Indiana	13,016	3,644	-	-	-	-	26,075	6,504
Iowa	-	-	-	-	-	-	5,080	-
Kansas	-	-	-	-	-	286	36,605	1,617
Kentucky	-	-	-	-	-	-	1	2,527
Michigan	7,533	4,891	-	-	1,746	-	54,377	10,907
Minnesota	22,754	5,837	-	-	-	1,082	71,500	18,487
Missouri	-	195	-	-	-	-	1,189	1,139
Nebraska	-	-	-	-	-	-	3,776	21
North Dakota	-	-	-	-	1,773	667	3,286	1,237
Ohio	-	-	-	-	-	1,497	44,986	11,380
Oklahoma	-	-	-	-	-	-	14,468	11,015
South Dakota	-	-	-	-	-	-	1,598	554
Tennessee	1,585	-	-	-	-	-	7,242	1,443
Wisconsin	232	-	-	-	-	-	25,822	4,712
PAD District 3 Total	1,481,165	1,375,263	-	25	-	-	1,828,651	1,539,293
Alabama	40,252	29,518	-	1	-	-	76,963	30,964
Arkansas	-	-	-	-	-	-	3,500	2,710
Louisiana	521,574	519,227	-	-	-	-	625,171	603,071
Mississippi	23,251	26,143	-	-	-	-	32,241	28,596
New Mexico	-	-	-	-	-	-	8,172	353
Texas	896,088	800,375	-	24	-	-	1,082,604	873,600
PAD District 4 Total	-	-	-	-	-	992	19,010	8,079
Colorado	-	-	-	-	-	-	90	-
Idaho	-	-	-	-	-	-	-	298
Montana	-	-	-	-	-	992	-	2,173
Utah	-	-	-	-	-	-	15,736	4,777
Wyoming	-	-	-	-	-	-	3,183	832
PAD District 5 Total	1,680,470	1,692,629	611	535	-	121	2,185,141	2,165,518
Alaska	6,897	-	-	-	-	121	6,932	121
California	1,424,562	1,364,336	611	535	-	-	1,439,992	1,365,106
Hawaii	34,962	44,456	-	-	-	-	514,602	502,260
Oregon	53,125	27,995	-	-	-	-	62,449	32,467
Washington	160,924	255,842	-	-	-	-	161,165	265,565

Dashed (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 2008-2009.

Table 6. Sales of Kerosene by Energy Use, 2008 and 2009

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2008	2009	2008	2009	2008	2009
U.S. Total	157,694	197,764	31,639	30,229	23,185	24,732
PAD District 1 Total	126,752	153,602	20,511	21,574	12,994	14,701
Subdistrict 1A Total	38,602	42,973	5,785	4,612	4,760	6,442
Connecticut	2,345	1,881	1,561	687	3,906	5,895
Maine	20,942	21,864	2,401	2,089	230	112
Massachusetts	2,788	4,013	901	699	11	411
New Hampshire	6,698	7,465	561	559	249	4
Rhode Island	517	963	72	16	155	-
Vermont	5,312	6,788	289	562	209	20
Subdistrict 1B Total	50,451	75,414	10,086	13,432	7,324	6,800
Delaware	1,230	2,137	277	59	2	174
District of Columbia	-	-	2	5	-	-
Maryland	4,348	4,736	492	1,286	152	104
New Jersey	2,059	1,441	2,359	1,532	4,490	2,898
New York	24,957	39,334	4,374	6,919	1,669	2,836
Pennsylvania	17,857	27,765	2,581	3,631	1,011	787
Subdistrict 1C Total	37,699	35,215	4,640	3,530	909	1,459
Florida	632	716	221	291	53	91
Georgia	787	1,372	313	232	234	230
North Carolina	15,812	15,526	1,461	1,215	34	214
South Carolina	3,587	3,217	803	264	57	75
Virginia	14,610	11,614	1,218	1,131	455	252
West Virginia	2,271	2,770	624	396	78	599
PAD District 2 Total	20,336	30,618	4,765	4,124	3,639	4,190
Illinois	1,097	1,287	284	426	595	522
Indiana	3,256	5,235	575	698	270	698
Iowa	226	583	46	25	-	13
Kansas	66	105	102	68	402	549
Kentucky	2,391	4,617	241	253	356	576
Michigan	2,298	2,885	332	324	253	341
Minnesota	304	727	259	125	27	34
Missouri	939	1,013	143	247	490	106
Nebraska	113	109	43	24	1	-
North Dakota	57	107	37	54	9	18
Ohio	5,699	8,452	1,828	1,145	722	774
Oklahoma	139	176	182	124	153	71
South Dakota	51	47	3	7	1	-
Tennessee	3,333	4,168	431	402	282	394
Wisconsin	367	1,105	259	202	77	95
PAD District 3 Total	1,064	1,423	1,913	1,565	5,962	5,347
Alabama	385	461	111	60	471	664
Arkansas	109	191	251	4	70	38
Louisiana	121	83	174	77	290	1,668
Mississippi	178	533	86	22	820	130
New Mexico	46	36	9	13	33	2
Texas	226	119	1,282	1,389	4,278	2,845
PAD District 4 Total	357	409	290	290	79	64
Colorado	148	288	109	160	49	29
Idaho	58	74	15	20	4	5
Montana	100	11	55	-	2	-
Utah	40	31	98	81	23	29
Wyoming	12	5	13	29	1	-
PAD District 5 Total	9,185	11,712	4,161	2,676	510	431
Alaska	3,830	546	2,591	477	1	1
Arizona	11	14	20	22	18	17
California	3,871	6,983	619	766	344	90
Hawaii	-	-	-	-	1	1
Nevada	457	992	156	430	4	10
Oregon	485	2,446	472	747	53	233
Washington	532	731	302	234	90	79

See footnotes at end of table.

Table 6. Sales of Kerosene by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Farm		All Other		Total	
	2008	2009	2008	2009	2008	2009
U.S. Total	5,169	6,225	1,050	611	218,736	259,560
PAD District 1 Total	1,250	1,597	270	323	161,776	191,796
Subdistrict 1A Total	469	439	27	30	49,643	54,496
Connecticut	94	1	5	18	7,912	8,481
Maine	84	113	7	3	23,663	24,180
Massachusetts	17	8	-	-	3,717	5,131
New Hampshire	122	9	1	-	7,631	8,037
Rhode Island	-	-	-	-	744	978
Vermont	152	308	14	10	5,976	7,689
Subdistrict 1B Total	309	832	142	76	68,312	96,555
Delaware	5	5	-	-	1,513	2,376
District of Columbia	-	-	-	-	2	5
Maryland	54	41	4	3	5,050	6,170
New Jersey	2	199	-	6	8,911	6,077
New York	198	258	98	18	31,296	49,365
Pennsylvania	51	329	40	49	21,540	32,562
Subdistrict 1C Total	472	325	101	217	43,821	40,746
Florida	13	39	1	7	920	1,144
Georgia	3	1	2	-	1,338	1,835
North Carolina	134	47	5	32	17,446	17,034
South Carolina	108	58	1	12	4,555	3,625
Virginia	192	171	89	163	16,564	13,331
West Virginia	23	9	3	3	2,998	3,777
PAD District 2 Total	3,480	3,651	655	232	32,874	42,815
Illinois	134	172	-	7	2,111	2,414
Indiana	242	297	27	7	4,370	6,936
Iowa	106	51	39	31	418	703
Kansas	56	82	33	4	658	807
Kentucky	325	257	48	55	3,360	5,758
Michigan	58	47	6	23	2,948	3,619
Minnesota	166	124	4	5	759	1,015
Missouri	45	39	1	1	1,619	1,405
Nebraska	20	136	20	8	198	277
North Dakota	18	19	-	-	122	198
Ohio	2,047	2,173	204	68	10,499	12,612
Oklahoma	63	31	189	7	727	408
South Dakota	4	35	1	-	59	89
Tennessee	30	22	11	10	4,086	4,996
Wisconsin	166	168	72	7	941	1,577
PAD District 3 Total	50	58	22	5	9,011	8,397
Alabama	2	4	2	-	971	1,189
Arkansas	4	4	1	-	435	237
Louisiana	4	2	-	2	589	1,831
Mississippi	12	-	-	-	1,096	685
New Mexico	2	2	4	3	93	55
Texas	27	45	14	-	5,827	4,399
PAD District 4 Total	67	66	21	-	814	830
Colorado	23	9	8	-	337	486
Idaho	24	21	-	-	100	121
Montana	5	2	12	-	174	13
Utah	15	33	-	-	177	175
Wyoming	-	-	-	-	26	34
PAD District 5 Total	322	853	83	50	14,261	15,722
Alaska	-	-	74	10	6,496	1,034
Arizona	1	3	2	3	51	59
California	157	319	3	7	4,993	8,165
Hawaii	-	-	-	-	1	1
Nevada	-	42	-	-	617	1,474
Oregon	48	304	1	4	1,059	3,734
Washington	116	184	2	25	1,042	1,254

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 2008-2009 and "Petroleum Supply Annual," Volume 1, 2008-2009, (DOE/EIA-0340(08)/1 - (09)/1).

Table 7. Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2009
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
U.S. Total	83,829	4,020,038	4,103,867	197,764
PAD District 1 Total	24,912	3,646,087	3,670,999	153,602
Subdistrict 1A Total	4,247	1,648,549	1,652,797	42,973
Connecticut	103	506,133	506,236	1,881
Maine	1,092	219,032	220,123	21,864
Massachusetts	2,957	578,815	581,772	4,013
New Hampshire	-	138,179	138,179	7,465
Rhode Island	27	124,059	124,087	963
Vermont	69	82,331	82,400	6,788
Subdistrict 1B Total	18,394	1,805,930	1,824,324	75,414
Delaware	-	24,234	24,234	2,137
District of Columbia	-	7,174	7,174	-
Maryland	7,458	126,911	134,369	4,736
New Jersey	6,827	263,726	270,553	1,441
New York	2,190	843,612	845,803	39,334
Pennsylvania	1,919	540,273	542,192	27,765
Subdistrict 1C Total	2,271	191,608	193,878	35,215
Florida	30	1,521	1,551	716
Georgia	39	1,086	1,125	1,372
North Carolina	1,605	50,198	51,803	15,526
South Carolina	317	6,106	6,423	3,217
Virginia	-	123,458	123,458	11,614
West Virginia	279	9,239	9,519	2,770
PAD District 2 Total	20,375	249,388	269,763	30,618
Illinois	418	4,337	4,755	1,287
Indiana	1,702	10,682	12,384	5,235
Iowa	942	6,482	7,424	583
Kansas	57	121	178	105
Kentucky	115	12,962	13,077	4,617
Michigan	1,954	35,071	37,025	2,885
Minnesota	6,581	34,903	41,484	727
Missouri	216	2,875	3,090	1,013
Nebraska	517	930	1,447	109
North Dakota	1,661	11,354	13,014	107
Ohio	2,313	70,958	73,270	8,452
Oklahoma	-	117	117	176
South Dakota	947	4,183	5,130	47
Tennessee	40	6,674	6,714	4,168
Wisconsin	2,911	47,741	50,652	1,105
PAD District 3 Total	50	5,245	5,295	1,423
Alabama	-	3,971	3,971	461
Arkansas	7	153	160	191
Louisiana	39	997	1,036	83
Mississippi	-	5	5	533
New Mexico	4	51	55	36
Texas	-	67	67	119
PAD District 4 Total	2,681	11,323	14,003	409
Colorado	27	439	465	288
Idaho	1,258	5,714	6,971	74
Montana	1,297	3,396	4,693	11
Utah	20	908	928	31
Wyoming	79	866	945	5
PAD District 5 Total	35,811	107,996	143,807	11,712
Alaska	31,653	29,473	61,126	546
Arizona	-	135	135	14
California	151	15,676	15,827	6,983
Hawaii	-	114	114	-
Nevada	111	4,674	4,785	992
Oregon	3,066	19,154	22,220	2,446
Washington	830	38,769	39,599	731

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 2009. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/1).

Table 8. Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2009
(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				
U.S. Total	83,881	895,640	1,356,652	208,771	130,400	2,591,463	142,817	2,818,162	425,143	30,229
PAD District 1 Total	18,797	785,856	460,797	89,507	81,283	1,417,443	141,495	1,577,735	404,718	21,574
Subdistrict 1A Total	497	301,174	78,630	8,079	2,327	390,210	15,140	405,847	64,826	4,612
Connecticut	274	61,437	17,821	841	11	80,111	1,978	82,362	3,471	697
Maine	217	67,152	14,511	3,372	-	85,035	624	85,876	14,919	2,089
Massachusetts	6	94,767	26,940	961	91	122,759	7,691	130,456	25,770	699
New Hampshire	-	31,168	9,424	845	-	41,437	2,391	43,828	11,928	559
Rhode Island	-	26,448	5,193	1,618	19	33,277	1,467	34,745	5,497	16
Vermont	-	20,201	4,742	442	2,206	27,592	988	28,580	3,241	562
Subdistrict 1B Total	18,189	448,121	183,391	26,981	41,553	700,046	126,354	844,590	338,089	13,432
Delaware	15	3,386	4,727	2,562	23	10,698	272	10,986	5	59
District of Columbia	9	8,015	2,998	1,253	28	12,095	74	12,177	-	5
Maryland	19	36,454	13,914	13,808	1,722	65,898	7	65,924	106	1,286
New Jersey	337	49,449	34,270	1,251	3,298	88,269	2,121	90,728	15,207	1,532
New York	17,211	247,829	71,781	1,203	33,204	354,017	122,608	493,836	313,798	6,919
Pennsylvania	598	102,988	55,900	6,904	3,277	169,070	1,272	170,940	8,974	3,631
Subdistrict 1C Total	111	36,561	198,776	54,447	37,403	327,186	1	327,299	1,802	3,530
Florida	1	1,039	94,994	18,161	13,444	127,638	-	127,638	500	291
Georgia	-	104	30,718	4,955	2,651	38,428	1	38,429	403	232
North Carolina	-	11,297	34,408	14,184	14,432	74,320	-	74,320	95	1,215
South Carolina	-	674	16,128	2,305	1,996	21,103	-	21,103	13	264
Virginia	-	20,030	18,489	12,555	3,574	54,649	-	54,649	792	1,131
West Virginia	111	3,417	4,039	2,287	1,305	11,048	-	11,159	-	396
PAD District 2 Total	30,789	70,159	319,133	53,917	18,532	461,741	1,122	493,652	7,789	4,124
Illinois	1,136	6,058	25,949	1,346	351	33,704	-	34,840	-	426
Indiana	6,314	8,336	17,778	4,741	2,122	32,977	4	39,295	314	698
Iowa	2,210	1,892	12,950	171	3,690	18,703	-	20,913	-	25
Kansas	434	131	11,929	120	7	12,187	-	12,621	9	68
Kentucky	48	1,001	11,065	3,214	464	15,744	1,110	16,901	-	253
Michigan	5,145	2,895	43,287	4,198	315	50,695	-	55,840	453	324
Minnesota	4,736	16,721	19,323	1,733	164	37,942	-	42,678	6,630	125
Missouri	698	1,304	21,537	146	208	23,194	-	23,893	21	247
Nebraska	796	481	5,521	2,621	-	8,624	-	9,420	14	24
North Dakota	2,711	1,903	2,986	224	274	5,386	-	8,097	44	54
Ohio	2,435	17,389	61,305	10,582	9,316	98,591	1	101,028	46	1,145
Oklahoma	-	-	29,517	684	302	30,503	-	30,503	-	124
South Dakota	1,738	1,073	4,003	62	114	5,253	-	6,991	124	7
Tennessee	4	2,613	35,609	11,258	399	49,879	7	49,889	130	402
Wisconsin	2,383	8,362	16,373	12,815	809	38,359	-	40,742	3	202
PAD District 3 Total	50	6,020	270,320	30,825	10,451	317,616	195	317,860	147	1,565
Alabama	-	849	26,379	6,162	6,745	40,134	183	40,317	13	60
Arkansas	15	10	39,785	227	-	40,022	-	40,036	-	4
Louisiana	-	3,875	52,574	1,873	2,545	60,867	-	60,867	-	77
Mississippi	-	416	24,562	1,294	965	27,237	-	27,237	-	22
New Mexico	35	189	10,388	509	95	11,181	-	11,216	-	13
Texas	-	682	116,633	20,760	101	138,176	12	138,187	134	1,389
PAD District 4 Total	5,639	8,091	72,219	8,013	8,373	96,696	-	102,335	1,181	290
Colorado	4,378	3,810	48,646	1,631	-	54,087	-	58,465	-	160
Idaho	297	1,622	6,730	1,046	646	10,043	-	10,340	-	20
Montana	298	432	5,031	232	-	5,695	-	5,993	1,181	-
Utah	379	337	8,078	4,896	7,727	21,038	-	21,417	-	81
Wyoming	287	1,891	3,735	207	-	5,833	-	6,120	-	29
PAD District 5 Total	28,606	25,514	234,183	26,510	11,761	297,967	6	326,579	11,308	2,676
Alaska	25,797	8,955	3,508	3,411	2,870	18,744	5	44,546	-	477
Arizona	-	36	35,147	538	-	35,721	-	35,721	-	22
California	1,466	228	146,648	5,936	-	152,812	-	154,278	-	766
Hawaii	-	-	4,445	4,371	2,282	11,098	-	11,098	-	-
Nevada	115	1,141	8,685	146	-	9,972	-	10,088	-	430
Oregon	548	6,888	14,195	4,236	3,500	28,818	-	29,366	1,585	747
Washington	679	8,264	21,555	7,872	3,110	40,802	-	41,482	9,723	234

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 2009. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/1).

Table 9. Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2009
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate			
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel					No. 2 Total
U.S. Total	27,029	155,317	1,614,267	321,464	2,091,048	78,352	2,196,429	561,321	24,732
PAD District 1 Total	245	114,727	306,327	161,675	582,729	45,996	628,970	390,679	14,701
Subdistrict 1A Total	28	27,899	18,352	879	47,129	14,653	61,810	106,980	6,442
Connecticut	9	13,247	2,696	-	15,944	1,551	17,504	5,748	5,895
Maine	-	5,525	3,548	34	9,106	8,280	17,387	65,869	112
Massachusetts	4	1,199	3,680	566	5,445	1,277	6,726	10,817	411
New Hampshire	10	4,759	5,446	200	10,405	2,620	13,036	12,364	4
Rhode Island	-	545	166	-	711	221	933	8,373	-
Vermont	4	2,623	2,816	78	5,517	704	6,225	3,809	20
Subdistrict 1B Total	216	73,629	81,938	22,328	177,895	8,088	186,200	71,617	6,800
Delaware	-	301	2,955	-	3,256	60	3,316	12,573	174
District of Columbia	-	-	47	-	47	-	47	-	-
Maryland	-	1,961	20,794	454	23,209	6	23,215	11,352	104
New Jersey	-	4,203	7,340	67	11,611	1,513	13,124	7,426	2,898
New York	117	31,046	9,918	3,713	44,677	4,474	49,268	17,254	2,836
Pennsylvania	100	36,118	40,884	18,094	95,096	2,034	97,230	23,012	787
Subdistrict 1C Total	1	13,199	206,038	138,467	357,704	23,255	380,960	212,082	1,459
Florida	-	-	28,280	6,539	34,819	1,806	36,625	37,453	91
Georgia	-	1,400	27,622	13,947	42,968	6,929	49,898	12,166	230
North Carolina	-	3,670	24,981	3,914	32,566	2,228	34,794	68,761	214
South Carolina	-	5	14,848	2,223	17,076	5,991	23,066	33,567	75
Virginia	-	7,586	24,125	10,727	42,438	6,296	48,734	57,129	252
West Virginia	1	538	86,183	101,117	187,838	4	187,843	3,004	599
PAD District 2 Total	8,716	31,410	416,620	66,953	514,983	12,422	536,121	39,679	4,190
Illinois	1,131	4,229	25,624	6,181	36,034	1,145	38,310	282	522
Indiana	724	7,747	30,139	7,633	45,519	415	46,657	993	698
Iowa	874	128	14,984	128	15,240	248	16,361	-	13
Kansas	74	20	12,877	144	13,041	969	14,084	1,321	549
Kentucky	49	352	172,317	22,647	195,316	132	195,497	2,527	576
Michigan	243	3,087	19,789	3,800	26,676	159	27,079	3,985	341
Minnesota	2,126	3,328	14,161	380	17,869	37	20,032	2,020	34
Missouri	262	4,434	15,728	2,957	23,120	2,412	25,794	923	106
Nebraska	155	281	3,583	-	3,863	454	4,473	7	-
North Dakota	1,206	104	15,162	-	15,267	-	16,473	526	18
Ohio	361	2,622	43,480	16,146	62,248	634	63,243	9,836	774
Oklahoma	-	-	13,783	26	13,809	1,046	14,855	11,015	71
South Dakota	200	820	3,017	90	3,926	-	4,126	222	-
Tennessee	426	531	10,016	4,985	15,531	1,510	17,468	1,313	394
Wisconsin	885	3,728	21,961	1,835	27,525	3,260	31,670	4,709	95
PAD District 3 Total	16	4,166	319,576	44,822	368,564	19,056	387,637	122,744	5,347
Alabama	-	242	67,184	22,451	89,878	1,288	91,166	1,433	664
Arkansas	-	327	26,486	673	27,486	913	28,399	1,485	38
Louisiana	-	-	11,129	542	11,671	10,284	21,955	59,730	1,668
Mississippi	-	157	12,946	8,825	21,928	-	21,928	1,940	130
New Mexico	16	3	33,688	142	33,833	-	33,849	353	2
Texas	-	3,436	168,143	12,189	183,768	6,570	190,339	57,804	2,845
PAD District 4 Total	4,242	1,861	267,496	6,777	276,134	83	280,459	5,096	64
Colorado	807	653	34,000	685	35,338	-	36,144	-	29
Idaho	171	386	20,521	965	21,872	26	22,069	298	5
Montana	655	32	16,017	5	16,053	-	16,708	-	-
Utah	309	-	37,066	5,013	42,079	57	42,445	4,777	29
Wyoming	2,301	790	159,893	109	160,792	-	163,093	22	-
PAD District 5 Total	13,810	3,152	304,248	41,238	348,637	794	363,242	3,122	431
Alaska	10,049	2,035	10,963	29,900	42,899	-	52,948	-	1
Arizona	-	-	101,655	-	101,655	-	101,655	-	17
California	3,637	68	64,164	4,036	68,268	-	71,905	235	90
Hawaii	-	-	2,071	397	2,468	-	2,468	-	1
Nevada	21	-	96,825	-	96,825	583	97,429	-	10
Oregon	94	216	13,610	2,788	16,615	-	16,709	2,887	233
Washington	9	833	14,959	4,116	19,908	211	20,128	-	79

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 2009. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/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, 2009
(Thousand Gallons)

Destination	Farm				Electric Power		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	2,617,111	39,686	2,656,797	6,225	544,140	1,125,328	741,884	25,166
PAD District 1 Total	326,202	7,718	333,920	1,597	193,169	638,783	53,152	5,726
Subdistrict 1A Total	11,476	2,448	13,924	439	15,526	51,213	12	413
Connecticut	987	686	1,673	1	9,308	20,974	12	413
Maine	2,350	906	3,256	113	167	16,135	-	-
Massachusetts	1,223	442	1,665	8	3,944	8,478	-	-
New Hampshire	2,090	296	2,386	9	923	4,590	-	-
Rhode Island	20	-	20	-	1,040	-	-	-
Vermont	4,808	117	4,925	308	144	1,036	-	-
Subdistrict 1B Total	90,511	4,396	94,907	832	108,204	238,261	16,164	5,017
Delaware	5,903	1	5,904	5	2,940	-	10,694	-
District of Columbia	-	-	-	-	902	-	-	-
Maryland	8,057	1,677	9,734	41	6,670	7,466	87	549
New Jersey	5,952	154	6,106	199	13,022	119,905	705	1,407
New York	30,246	700	30,946	258	55,361	83,457	2,281	477
Pennsylvania	40,354	1,863	42,217	329	29,309	27,432	2,397	2,584
Subdistrict 1C Total	224,214	874	225,089	325	69,440	349,310	36,976	296
Florida	86,643	-	86,643	39	30,121	316,511	236	-
Georgia	69,053	276	69,329	1	2,539	-	65	-
North Carolina	41,445	349	41,793	47	12,418	-	42	-
South Carolina	8,177	2	8,179	58	6,477	-	497	94
Virginia	17,296	230	17,525	171	4,634	32,798	1,046	202
West Virginia	1,601	18	1,619	9	13,251	-	35,089	-
PAD District 2 Total	1,375,536	16,679	1,392,215	3,651	136,898	4,704	54,921	1,552
Illinois	119,082	707	119,789	172	9,702	-	2,125	-
Indiana	92,540	18	92,558	297	9,143	-	1,311	1,552
Iowa	177,349	1,660	179,009	51	6,794	-	-	-
Kansas	138,133	1,360	139,492	82	1,946	-	5,019	-
Kentucky	19,139	-	19,139	257	10,468	-	766	-
Michigan	49,218	123	49,342	47	8,539	1,578	14,360	-
Minnesota	153,689	1,255	154,944	124	4,072	2,918	659	-
Missouri	89,414	2,212	91,627	39	3,897	-	38	-
Nebraska	149,139	2,939	152,079	136	6,711	-	141	-
North Dakota	95,662	1,573	97,235	19	4,426	-	20,934	-
Ohio	96,362	188	96,550	2,173	26,676	-	370	-
Oklahoma	36,093	-	36,093	31	22,345	-	9,171	-
South Dakota	60,117	2,349	62,466	35	130	208	-	-
Tennessee	19,775	15	19,790	22	18,697	-	28	-
Wisconsin	79,822	2,280	82,102	168	3,354	-	-	-
PAD District 3 Total	382,614	1,406	384,019	58	46,247	41,102	516,566	13
Alabama	17,851	-	17,851	4	8,329	-	-	-
Arkansas	68,889	-	68,889	4	1,293	1,226	59,866	-
Louisiana	41,219	1,405	42,624	2	9,382	24,114	243,093	-
Mississippi	41,080	-	41,080	-	3,584	500	3,955	13
New Mexico	11,282	-	11,283	2	3,980	-	9,458	-
Texas	202,292	-	202,292	45	19,679	15,263	200,195	-
PAD District 4 Total	204,222	3,668	207,890	66	5,847	-	46,761	810
Colorado	40,623	381	41,005	9	1,575	-	15,957	-
Idaho	54,377	319	54,696	21	14	-	467	-
Montana	93,464	2,830	96,294	2	1,357	-	20,953	-
Utah	6,786	-	6,786	33	2,593	-	1,925	-
Wyoming	8,972	138	9,110	-	307	-	7,460	810
PAD District 5 Total	328,537	10,216	338,753	853	161,979	440,739	70,483	17,065
Alaska	108	83	191	-	47,097	-	66,696	-
Arizona	35,906	-	35,906	3	4,928	-	407	-
California	191,667	9,706	201,372	319	5,018	-	3,168	-
Hawaii	4,175	-	4,175	-	98,646	440,739	3	17,065
Nevada	5,352	29	5,381	42	327	-	59	-
Oregon	33,964	68	34,031	304	1,630	-	-	-
Washington	57,366	330	57,696	184	4,332	-	149	-

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 2009. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/1).

Table 11. Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 2009
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	2,064,624	1,266,256	4,543,371	34,147,806	37,478,687	4,543,371
PAD District 1 Total	407,678	206,594	1,460,031	9,929,426	10,543,698	1,460,031
Subdistrict 1A Total	37,741	27,841	50,075	1,044,171	1,109,754	50,075
Connecticut	2,196	3,920	127	266,121	272,237	127
Maine	7,252	2,217	29,212	176,004	185,472	29,212
Massachusetts	18,805	16,755	14,562	399,575	435,135	14,562
New Hampshire	745	2,359	-	92,882	95,986	-
Rhode Island	4	2,591	6,174	55,684	58,279	6,174
Vermont	8,740	-	-	53,905	62,645	-
Subdistrict 1B Total	136,907	65,207	938,273	3,629,109	3,831,224	938,273
Delaware	1,096	322	37,063	55,610	57,028	37,063
District of Columbia	-	-	-	11,944	11,944	-
Maryland	542	745	9,085	515,315	516,602	9,085
New Jersey	8,260	40,910	377,929	679,361	728,531	377,929
New York	35,678	6,948	426,437	1,064,997	1,107,623	426,437
Pennsylvania	91,332	16,282	87,759	1,301,882	1,409,496	87,759
Subdistrict 1C Total	233,029	113,545	471,684	5,256,146	5,602,720	471,684
Florida	34,304	76,714	113,550	1,322,703	1,433,721	113,550
Georgia	62,352	10,808	245,375	1,197,220	1,270,380	245,375
North Carolina	67,055	5,997	25,235	886,949	960,001	25,235
South Carolina	2,925	6,556	67,042	641,944	651,425	67,042
Virginia	64,745	13,372	20,483	935,552	1,013,669	20,483
West Virginia	1,647	100	-	271,778	273,525	-
PAD District 2 Total	623,514	114,851	15,448	10,905,027	11,643,393	15,448
Illinois	52,439	38,532	881	1,364,571	1,455,542	881
Indiana	37,408	14,780	3,644	1,109,103	1,161,290	3,644
Iowa	17,061	662	-	601,324	619,047	-
Kansas	67,180	-	-	441,256	508,436	-
Kentucky	48,002	21,736	-	742,976	812,714	-
Michigan	7,813	7,586	4,891	780,954	796,353	4,891
Minnesota	37,351	9,811	5,837	584,807	631,969	5,837
Missouri	18,323	1,149	195	944,991	964,464	195
Nebraska	3,255	-	-	386,874	390,129	-
North Dakota	2,821	-	-	194,777	197,598	-
Ohio	124,912	11,714	-	1,323,991	1,460,617	-
Oklahoma	144,438	8	-	729,736	874,182	-
South Dakota	5,730	-	-	197,232	202,962	-
Tennessee	30,348	8,246	-	826,077	864,671	-
Wisconsin	26,433	627	-	676,358	703,418	-
PAD District 3 Total	484,036	541,387	1,375,263	6,641,445	7,666,868	1,375,263
Alabama	38,583	51,145	29,518	657,070	746,798	29,518
Arkansas	9,414	47,138	-	592,469	649,021	-
Louisiana	13,956	170,215	519,227	694,073	878,244	519,227
Mississippi	19,951	104,777	26,143	553,866	678,594	26,143
New Mexico	245	-	-	432,794	433,039	-
Texas	401,886	168,113	800,375	3,711,173	4,281,172	800,375
PAD District 4 Total	148,489	19	-	1,693,227	1,841,735	-
Colorado	47,895	1	-	510,211	558,107	-
Idaho	9,692	18	-	225,624	235,335	-
Montana	5,613	-	-	235,067	240,680	-
Utah	19,933	-	-	399,528	419,461	-
Wyoming	65,356	-	-	322,797	388,153	-
PAD District 5 Total	400,908	403,405	1,692,629	4,978,681	5,782,993	1,692,629
Alaska	5,899	92,994	-	202,102	300,995	-
Arizona	8,200	-	-	739,863	748,063	-
California	220,552	168,377	1,364,336	2,591,988	2,980,917	1,364,336
Hawaii	5	70,322	44,456	46,847	117,174	44,456
Nevada	11,520	7	-	302,145	313,672	-
Oregon	91,305	11,798	27,995	498,335	601,438	27,995
Washington	63,426	59,906	255,842	597,401	720,733	255,842

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 2009. • 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, 2009
(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other	
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Residual Fuel Oil	Kerosene
U.S. Total	204,241	30,115	234,356	14,609	1,721,168	235,520	1,956,688	10,694	611
PAD District 1 Total	41,262	24,030	65,292	14,049	533,667	72,371	606,038	6,048	323
Subdistrict 1A Total	2,849	2,597	5,446	767	74,253	7,592	81,845	385	30
Connecticut	208	185	392	767	14,546	140	14,686	7	18
Maine	970	393	1,363	-	11,166	3,148	14,314	-	3
Massachusetts	74	-	74	-	26,411	1,247	27,658	-	-
New Hampshire	1,297	273	1,570	-	7,255	1,722	8,977	325	-
Rhode Island	19	1,608	1,627	-	5,621	13	5,634	-	-
Vermont	282	139	420	-	9,254	1,322	10,576	52	10
Subdistrict 1B Total	9,388	21,433	30,821	11,744	165,245	21,639	186,884	4,207	76
Delaware	122	-	122	-	2,416	162	2,578	-	-
District of Columbia	165	-	165	-	1,043	-	1,043	-	-
Maryland	2,848	1,427	4,275	6,479	15,165	285	15,450	-	3
New Jersey	1,157	175	1,332	1,740	36,003	13,241	49,244	4,191	6
New York	3,356	15,480	18,836	3,518	34,185	2,803	36,988	17	18
Pennsylvania	1,740	4,351	6,091	6	76,434	5,148	81,582	-	49
Subdistrict 1C Total	29,025	-	29,025	1,539	294,168	43,140	337,308	1,456	217
Florida	2,545	-	2,545	-	108,827	3,857	112,684	-	7
Georgia	3,714	-	3,714	-	58,781	17,130	75,911	-	-
North Carolina	17,962	-	17,962	133	37,093	6,848	43,940	75	32
South Carolina	1,137	-	1,137	-	27,147	8,128	35,275	-	12
Virginia	3,321	-	3,321	1,405	53,392	6,357	59,748	1,381	163
West Virginia	347	-	347	-	8,929	820	9,749	-	3
PAD District 2 Total	7,934	565	8,499	-	495,339	45,417	540,756	3,532	232
Illinois	328	-	328	-	51,854	9,122	60,976	-	7
Indiana	47	-	47	-	48,509	3,648	52,156	-	7
Iowa	51	-	51	-	25,707	2,610	28,317	-	31
Kansas	558	113	671	-	28,102	820	28,922	286	4
Kentucky	391	-	391	-	29,646	1,880	31,526	-	55
Michigan	917	-	917	-	31,506	3,801	35,307	-	23
Minnesota	259	-	259	-	41,131	4,009	45,141	1,082	5
Missouri	1,921	318	2,240	-	49,600	1,422	51,021	-	1
Nebraska	183	-	183	-	21,927	4,532	26,459	-	8
North Dakota	1,370	-	1,370	-	24,038	790	24,828	667	-
Ohio	1,206	111	1,317	-	54,893	1,561	56,455	1,497	68
Oklahoma	147	-	147	-	22,875	2,958	25,834	-	7
South Dakota	147	-	147	-	8,353	990	9,343	-	-
Tennessee	207	-	207	-	25,736	4,912	30,648	-	10
Wisconsin	201	23	223	-	31,463	2,362	33,825	-	7
PAD District 3 Total	33,203	-	33,203	25	300,414	61,871	362,284	-	5
Alabama	2,062	-	2,062	1	40,453	21,227	61,681	-	-
Arkansas	269	-	269	-	16,540	6,869	23,409	-	-
Louisiana	1,653	-	1,653	-	37,443	11,139	48,581	-	2
Mississippi	773	-	773	-	9,745	8,001	17,746	-	-
New Mexico	330	-	330	-	5,376	267	5,643	-	3
Texas	28,115	-	28,115	24	190,857	14,368	205,225	-	-
PAD District 4 Total	1,098	60	1,159	-	100,887	11,515	112,401	992	-
Colorado	736	37	773	-	36,681	2,748	39,429	-	-
Idaho	41	2	42	-	10,535	3,711	14,246	-	-
Montana	138	21	159	-	18,911	1,921	20,831	992	-
Utah	100	-	100	-	17,559	2,216	19,775	-	-
Wyoming	85	-	85	-	17,202	918	18,120	-	-
PAD District 5 Total	120,744	5,459	126,203	535	290,862	44,347	335,209	121	50
Alaska	7,875	5,459	13,334	-	12,873	1,286	14,158	121	10
Arizona	1,326	-	1,326	-	49,918	808	50,726	-	3
California	15,764	-	15,764	535	124,651	20,316	144,966	-	7
Hawaii	8,939	-	8,939	-	9,806	-	9,806	-	-
Nevada	1,704	-	1,704	-	42,890	784	43,674	-	-
Oregon	701	-	701	-	21,959	12,347	34,306	-	4
Washington	84,435	-	84,435	-	28,765	8,807	37,572	-	25

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 2009. • Kerosene data are also based on data from Energy Information Administration's "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/1).

Adjusted Sales of Fuel Oil and Kerosene in 2009

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 2005 through 2009 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 decreased 9.2 percent from 70.4 billion gallons in 2008 to 63.9 billion gallons in 2009. Adjusted sales of distillate and residual fuel oils decreased 8.2 and 16.4 percent respectively and kerosene increased 18.7 percent in 2009.

NOTE: The 2008 adjusted numbers have been revised since they were first published in the *Fuel Oil and Kerosene Sales 2008*. 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 2008*, 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: 2005-2009
(Thousand Gallons)

Energy Use	Distillate Fuel Oil				
	2005	2006	2007	2008	2009
U.S. Total	63,129,150	63,912,660	64,323,294	60,649,008	55,665,540
Residential	5,565,489	4,769,273	5,020,555	^R 4,715,590	4,417,003
Commercial	3,048,881	2,846,623	2,763,566	^R 2,759,007	3,196,665
Industrial	2,506,975	2,684,735	2,553,933	^R 2,633,651	2,572,697
Oil Company	504,483	740,347	878,744	^R 1,226,936	970,203
Farm	3,539,682	3,840,520	3,504,473	^R 3,870,728	3,333,644
Electric Power	805,505	499,011	659,769	^R 500,359	510,637
Railroad	3,679,575	4,123,195	3,934,440	^R 3,188,323	2,481,484
Vessel Bunkering	2,115,381	2,206,690	2,158,930	^R 1,365,351	1,486,802
On-Highway Diesel	38,053,129	39,118,301	39,801,744	^R 37,528,464	34,147,806
Military	272,259	367,994	372,405	^R 272,199	237,932
Off-Highway	3,037,791	2,715,971	2,674,734	^R 2,588,400	2,310,667

R = Revised.

Notes: • See "Technical Note 3" for further explanations on 2008 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 2005-2009 and "Petroleum Supply Annual," Volume 1, 2005-2009, (DOE/EIA-0340(05)/1 - (09)/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: 2005-2009
(Thousand Gallons)

Energy Use	Residual Fuel Oil				
	2005	2006	2007	2008	2009
U.S. Total	14,103,222	10,560,018	11,082,162	9,564,450	7,999,824
Commercial	769,742	499,679	515,379	^R 496,565	524,696
Industrial	1,785,080	1,514,013	1,271,207	^R 1,271,741	692,762
Oil Company	79,124	68,046	47,079	^R 71,144	31,058
Electric Power	5,898,314	2,458,851	2,452,798	^R 1,478,095	1,112,818
Vessel Bunkering	5,533,552	6,000,434	6,773,950	^R 6,230,994	5,607,263
Military	31,669	12,520	18,971	^R 11,393	18,030
All Other	5,741	6,476	2,779	^R 4,517	13,198

R = Revised.

Notes: • See "Technical Note 3" for further explanations on 2008 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 2005-2009 and "Petroleum Supply Annual," Volume 1, 2005-2009, (DOE/EIA-0340(05)/1 - (09)/1). • See Technical Note 3 for further explanation of Electric Power.

Table 15. Adjusted Sales of Kerosene by Energy Use in the United States: 2005-2009
(Thousand Gallons)

Energy Use	Kerosene				
	2005	2006	2007	2008	2009
U.S. Total	1,070,160	822,990	492,702	218,736	259,560
Residential	620,767	491,508	325,320	157,694	197,764
Commercial	159,943	112,392	67,960	31,639	30,229
Industrial	267,450	202,590	88,372	23,185	24,732
Farm	19,875	15,064	9,531	5,169	6,225
All Other	2,124	1,435	1,520	1,050	611

Notes: • See "Technical Note 3" for further explanations 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 2005-2009 and "Petroleum Supply Annual," Volume 1, 2005-2009, (DOE/EIA-0340(05)/1 - (09)/1).

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	R2008	2009	R2008	2009	R2008	2009
U.S. Total	4,715,590	4,417,003	2,759,007	3,196,665	2,633,651	2,572,697
PAD District 1 Total	4,104,689	3,898,220	1,550,273	1,675,391	770,705	667,901
Subdistrict 1A Total	1,737,079	1,755,098	399,159	430,967	54,016	65,636
Connecticut	512,397	537,570	101,448	87,460	9,983	18,587
Maine	247,029	233,748	106,690	91,191	16,230	18,463
Massachusetts	617,995	617,781	102,648	138,531	9,869	7,143
New Hampshire	165,737	146,732	40,554	46,541	6,422	13,843
Rhode Island	114,762	131,767	23,969	36,895	1,877	990
Vermont	79,160	87,500	23,848	30,349	9,635	6,611
Subdistrict 1B Total	2,118,465	1,937,243	883,828	896,866	267,249	197,725
Delaware	23,381	25,734	8,094	11,666	2,166	3,521
District of Columbia	6,164	7,618	8,616	12,931	79	50
Maryland	123,044	142,686	48,902	70,004	18,260	24,652
New Jersey	275,498	287,299	92,741	96,343	9,469	13,936
New York	1,084,893	898,154	524,724	524,402	48,832	52,318
Pennsylvania	605,486	575,752	200,751	181,520	188,443	103,248
Subdistrict 1C Total	249,145	205,879	267,286	347,557	449,440	404,540
Florida	1,141	1,647	102,027	135,539	51,422	38,892
Georgia	1,208	1,195	26,029	40,807	38,557	52,986
North Carolina	65,861	55,010	46,386	78,920	33,165	36,948
South Carolina	6,011	6,820	25,478	22,410	16,714	24,494
Virginia	161,369	131,099	61,894	58,032	106,025	51,751
West Virginia	13,555	10,108	5,472	11,850	203,558	199,470
PAD District 2 Total	466,194	371,841	579,708	680,450	737,483	738,990
Illinois	9,238	6,555	61,455	48,023	83,731	52,807
Indiana	27,494	17,071	62,598	54,164	81,961	64,312
Iowa	12,088	10,233	16,999	28,827	10,303	22,552
Kansas	191	245	14,721	17,397	12,462	19,413
Kentucky	12,082	18,026	26,049	23,297	225,602	269,473
Michigan	60,018	51,035	53,461	76,970	30,159	37,325
Minnesota	75,993	57,182	44,610	58,828	46,718	27,612
Missouri	5,221	4,260	28,449	32,933	33,488	35,555
Nebraska	2,591	1,994	15,164	12,984	4,559	6,165
North Dakota	30,961	17,939	11,676	11,161	27,737	22,706
Ohio	107,756	100,996	101,917	139,256	70,218	87,174
Oklahoma	60	161	32,592	42,046	9,689	20,476
South Dakota	9,685	7,071	8,703	9,636	4,973	5,688
Tennessee	7,823	9,254	35,011	68,768	27,549	24,078
Wisconsin	104,993	69,819	66,304	56,159	68,332	43,654
PAD District 3 Total	3,388	7,442	282,899	446,699	508,917	544,757
Alabama	542	5,581	55,656	56,659	141,404	128,118
Arkansas	95	225	6,081	56,264	80,889	39,911
Louisiana	2,589	1,457	32,242	85,539	38,739	30,854
Mississippi	18	7	29,145	38,277	26,311	30,816
New Mexico	129	78	34,416	15,762	54,569	47,569
Texas	15	95	125,359	194,199	167,004	267,489
PAD District 4 Total	15,716	15,351	53,251	112,188	221,950	307,461
Colorado	303	510	17,232	64,094	31,311	39,624
Idaho	8,155	7,643	8,436	11,336	15,375	24,194
Montana	5,964	5,145	7,280	6,570	28,539	18,316
Utah	665	1,017	16,294	23,479	39,223	46,531
Wyoming	629	1,036	4,010	6,709	107,501	178,795
PAD District 5 Total	125,602	124,149	292,877	281,937	394,597	313,589
Alaska	49,299	52,771	46,476	38,457	47,763	45,710
Arizona	88	116	48,311	30,838	139,131	87,759
California	5,694	13,664	102,903	133,189	47,359	62,076
Hawaii	105	99	9,022	9,581	2,622	2,131
Nevada	6,620	4,131	12,028	8,709	99,574	84,111
Oregon	22,396	19,182	22,824	25,352	24,933	14,425
Washington	41,400	34,186	51,314	35,811	33,214	17,377

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Power	
	R2008	2009	R2008	2009	R2008	2009
U.S. Total	1,226,936	970,203	3,870,728	3,333,644	500,359	510,637
PAD District 1 Total	28,339	56,442	364,542	354,588	159,743	181,276
Subdistrict 1A Total	26	13	30,119	14,786	11,410	14,570
Connecticut	26	13	2,331	1,777	3,639	8,735
Maine	-	-	14,047	3,457	10	156
Massachusetts	-	-	1,387	1,768	4,934	3,701
New Hampshire	-	-	5,379	2,533	799	866
Rhode Island	-	-	94	21	1,722	976
Vermont	-	-	6,880	5,230	306	135
Subdistrict 1B Total	10,587	17,164	105,371	100,782	71,452	101,542
Delaware	3,192	11,356	4,679	6,269	1,910	2,759
District of Columbia	-	-	-	-	5,179	847
Maryland	127	92	16,618	10,336	13,158	6,259
New Jersey	395	748	2,481	6,484	7,912	12,220
New York	874	2,422	40,936	32,861	15,438	51,952
Pennsylvania	5,998	2,546	40,658	44,830	27,857	27,505
Subdistrict 1C Total	17,727	39,265	229,053	239,021	76,881	65,164
Florida	66	251	72,959	92,006	31,905	28,267
Georgia	216	69	67,347	73,620	12,746	2,383
North Carolina	62	45	36,519	44,380	7,596	11,653
South Carolina	331	528	17,219	8,685	7,832	6,078
Virginia	658	1,111	33,448	18,610	7,096	4,349
West Virginia	16,394	37,261	1,560	1,719	9,706	12,435
PAD District 2 Total	189,719	75,704	2,072,438	1,919,030	165,584	128,469
Illinois	67	2,929	225,249	165,117	18,898	9,104
Indiana	1,232	1,807	152,375	127,582	25,389	8,580
Iowa	-	-	209,118	246,746	6,895	6,376
Kansas	19,880	6,918	210,085	192,276	2,533	1,826
Kentucky	1,841	1,056	32,535	26,381	10,460	9,823
Michigan	19,993	19,794	60,904	68,013	25,566	8,013
Minnesota	849	908	142,010	213,575	6,589	3,821
Missouri	1	52	146,902	126,298	4,087	3,657
Nebraska	7	194	262,431	209,625	3,893	6,298
North Dakota	56,537	28,855	158,260	134,029	3,019	4,154
Ohio	6,206	510	156,329	133,084	32,166	25,033
Oklahoma	83,105	12,642	71,547	49,751	5,972	20,969
South Dakota	-	-	77,561	86,103	306	122
Tennessee	-	38	33,017	27,278	15,624	17,546
Wisconsin	-	-	134,115	113,170	4,188	3,148
PAD District 3 Total	769,372	725,946	830,517	539,674	32,010	43,400
Alabama	977	-	49,416	25,087	9,863	7,816
Arkansas	22,413	84,131	281,433	96,812	303	1,214
Louisiana	91,054	341,625	78,531	59,901	2,763	8,804
Mississippi	10,072	5,558	50,442	57,731	2,855	3,364
New Mexico	30,536	13,292	25,213	15,856	697	3,735
Texas	614,320	281,339	345,482	284,287	15,528	18,467
PAD District 4 Total	186,837	51,263	178,121	227,905	2,349	5,487
Colorado	80,640	17,493	34,403	44,952	938	1,478
Idaho	-	512	48,108	59,962	12	13
Montana	11,961	22,970	82,749	105,564	1,206	1,273
Utah	30,791	2,110	4,376	7,439	77	2,434
Wyoming	63,446	8,178	8,486	9,987	117	288
PAD District 5 Total	52,668	60,849	425,109	292,447	140,673	152,006
Alaska	39,880	57,579	91	165	39,420	44,197
Arizona	75	352	28,360	30,998	3,993	4,625
California	12,226	2,735	292,083	173,846	5,647	4,709
Hawaii	1	3	3,415	3,604	82,292	92,573
Nevada	264	51	2,643	4,646	984	307
Oregon	-	-	27,369	29,379	2,880	1,530
Washington	223	129	71,148	49,810	5,456	4,065

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	R2008	2009	R2008	2009	R2008	2009
U.S. Total	3,188,323	2,481,484	1,365,351	1,486,802	37,528,464	34,147,806
PAD District 1 Total	481,523	432,911	322,762	219,381	10,763,333	9,929,426
Subdistrict 1A Total	39,094	40,077	59,375	29,565	1,062,422	1,044,171
Connecticut	3,208	2,332	3,108	4,163	292,688	266,121
Maine	1,685	7,700	4,392	2,354	180,284	176,004
Massachusetts	31,919	19,969	43,826	17,792	375,414	399,575
New Hampshire	126	791	2,386	2,505	97,837	92,882
Rhode Island	72	4	5,663	2,751	55,826	55,684
Vermont	2,083	9,281	—	—	60,373	53,905
Subdistrict 1B Total	174,697	145,381	61,799	69,243	3,956,845	3,629,109
Delaware	1,113	1,163	404	342	59,569	55,610
District of Columbia	—	—	—	—	15,897	11,944
Maryland	2,851	576	9,064	791	528,862	515,315
New Jersey	14,974	8,771	21,270	43,442	902,201	679,361
New York	42,682	37,886	9,332	7,378	1,120,424	1,064,997
Pennsylvania	113,077	96,985	21,728	17,290	1,329,902	1,301,882
Subdistrict 1C Total	267,731	247,452	201,589	120,573	5,744,066	5,256,146
Florida	63,217	36,428	142,909	81,462	1,478,514	1,322,703
Georgia	68,473	66,211	10,497	11,477	1,325,065	1,197,220
North Carolina	28,325	71,205	7,254	6,368	968,520	886,949
South Carolina	14,548	3,106	15,528	6,961	667,949	641,944
Virginia	78,162	68,753	14,037	14,199	1,017,285	935,552
West Virginia	15,004	1,749	11,364	106	286,733	271,778
PAD District 2 Total	1,378,853	859,452	229,395	158,311	12,123,237	10,905,027
Illinois	64,076	72,282	75,463	53,113	1,436,180	1,364,571
Indiana	65,101	51,563	30,791	20,372	1,302,135	1,109,103
Iowa	30,806	23,517	308	913	643,923	601,324
Kansas	105,687	92,600	—	—	480,947	441,256
Kentucky	113,007	66,167	44,168	29,961	821,452	742,976
Michigan	13,738	10,770	8,681	10,456	838,960	780,954
Minnesota	97,781	51,484	24,408	13,523	663,548	584,807
Missouri	14,746	25,257	1,117	1,584	985,190	944,991
Nebraska	15,719	4,487	—	—	406,238	386,874
North Dakota	75,206	3,888	—	—	193,615	194,777
Ohio	166,571	172,179	22,796	16,147	1,494,384	1,323,991
Oklahoma	503,672	199,094	12	11	906,265	729,736
South Dakota	7,658	7,898	—	—	198,713	197,232
Tennessee	43,829	41,832	20,810	11,367	1,002,320	826,077
Wisconsin	61,257	36,435	840	864	749,367	676,358
PAD District 3 Total	768,387	680,230	498,989	760,827	7,338,939	6,641,445
Alabama	58,112	54,222	80,577	71,875	736,640	657,070
Arkansas	20,924	13,230	67,763	66,245	627,835	592,469
Louisiana	30,833	19,613	181,130	239,208	690,551	694,073
Mississippi	31,202	28,038	61,857	147,246	623,455	553,866
New Mexico	2,534	344	—	—	473,827	432,794
Texas	624,782	564,782	107,662	236,254	4,186,631	3,711,173
PAD District 4 Total	121,654	162,785	22	21	1,891,875	1,693,227
Colorado	3,952	52,506	1	1	566,484	510,211
Idaho	13,161	10,626	20	20	243,868	225,624
Montana	7,485	6,153	—	—	250,069	235,067
Utah	21,947	21,852	—	—	446,071	399,528
Wyoming	75,109	71,648	—	—	385,383	322,797
PAD District 5 Total	437,907	346,106	314,183	348,262	5,411,080	4,978,681
Alaska	5,879	5,093	93,345	80,282	171,630	202,102
Arizona	6,559	7,079	—	—	792,698	739,863
California	251,964	190,404	78,366	145,361	2,838,723	2,591,988
Hawaii	6	4	55,384	60,710	56,394	46,847
Nevada	6,411	9,946	21	6	329,292	302,145
Oregon	91,560	78,824	12,552	10,185	534,041	498,335
Washington	75,528	54,756	74,514	51,718	688,302	597,401

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Military		Off-Highway		Total	
	R2008	2009	R2008	2009	R2008	2009
U.S. Total	272,199	237,932	2,588,400	2,310,667	60,649,008	55,665,540
PAD District 1 Total	61,846	69,333	770,247	643,549	19,378,002	18,128,418
Subdistrict 1A Total	16,767	5,783	108,514	86,911	3,517,981	3,487,577
Connecticut	959	416	19,134	15,595	948,922	942,769
Maine	7,740	1,447	13,935	15,200	592,042	549,721
Massachusetts	3,094	78	53,583	29,370	1,244,670	1,235,707
New Hampshire	3,209	1,667	14,311	9,533	336,760	317,893
Rhode Island	1,399	1,727	2,019	5,983	207,403	236,799
Vermont	367	446	5,531	11,231	188,184	204,688
Subdistrict 1B Total	19,690	32,729	201,816	198,452	7,871,799	7,326,236
Delaware	127	130	2,812	2,737	107,446	121,288
District of Columbia	288	175	1,218	1,107	37,430	34,672
Maryland	6,406	4,540	33,789	16,406	801,081	791,658
New Jersey	2,061	1,414	60,727	52,292	1,389,727	1,202,311
New York	3,916	20,001	45,528	39,277	2,937,579	2,731,650
Pennsylvania	6,892	6,468	57,742	86,632	2,598,535	2,444,658
Subdistrict 1C Total	25,389	30,822	459,917	358,186	7,988,222	7,314,605
Florida	4,779	2,702	113,648	119,658	2,062,588	1,859,554
Georgia	2,921	3,943	105,219	80,611	1,658,277	1,530,523
North Carolina	4,447	19,074	40,819	46,660	1,238,955	1,257,212
South Carolina	8,276	1,207	51,851	37,458	831,737	759,692
Virginia	4,810	3,526	128,739	63,447	1,613,524	1,350,429
West Virginia	155	369	19,640	10,352	583,141	557,196
PAD District 2 Total	11,545	11,715	827,782	745,379	18,781,938	16,594,368
Illinois	393	453	125,532	84,049	2,100,282	1,859,003
Indiana	282	65	59,442	71,892	1,808,799	1,526,511
Iowa	47	70	29,701	39,032	960,189	979,589
Kansas	780	924	20,131	39,867	867,415	812,723
Kentucky	996	540	39,733	43,455	1,327,926	1,231,154
Michigan	2,645	1,264	60,177	48,667	1,174,304	1,113,262
Minnesota	494	358	98,470	62,222	1,201,471	1,074,320
Missouri	3,148	3,087	78,444	70,328	1,300,793	1,248,002
Nebraska	150	253	14,059	36,471	724,812	665,346
North Dakota	536	1,888	13,341	34,223	570,889	453,620
Ohio	840	1,815	87,586	77,817	2,246,768	2,078,003
Oklahoma	389	202	52,478	35,609	1,665,781	1,110,697
South Dakota	175	203	11,462	12,878	319,238	326,832
Tennessee	121	286	74,621	42,245	1,260,724	1,068,769
Wisconsin	548	308	62,603	46,624	1,252,546	1,046,538
PAD District 3 Total	53,755	46,661	562,409	509,129	11,649,582	10,946,208
Alabama	1,663	2,898	90,237	86,682	1,225,087	1,096,009
Arkansas	378	377	30,510	32,897	1,138,625	983,775
Louisiana	1,265	2,323	102,672	68,273	1,252,368	1,551,669
Mississippi	142	1,086	64,219	24,939	899,719	890,927
New Mexico	749	464	20,283	7,930	642,952	537,824
Texas	49,559	39,511	254,489	288,408	6,490,830	5,886,004
PAD District 4 Total	1,385	1,270	109,423	123,223	2,782,584	2,700,180
Colorado	711	847	37,256	43,225	773,232	774,942
Idaho	19	46	15,867	15,618	353,022	355,593
Montana	636	174	19,131	22,837	415,018	424,071
Utah	19	109	26,392	21,679	585,855	526,179
Wyoming	-	93	10,777	19,865	655,458	619,395
PAD District 5 Total	143,668	108,952	318,539	289,388	8,056,902	7,296,366
Alaska	10,808	11,511	20,424	12,223	525,016	550,091
Arizona	1,197	1,145	61,532	43,792	1,081,945	946,567
California	8,557	13,609	106,287	125,150	3,749,808	3,456,731
Hawaii	1,846	7,717	8,067	8,466	219,154	231,734
Nevada	1,363	1,471	22,842	37,704	482,042	453,227
Oregon	372	606	30,381	29,617	769,308	707,435
Washington	119,525	72,893	69,006	32,436	1,229,629	950,581

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

Notes: • See "Technical Note 3" for further explanations on 2008 revised data and adjustments. • 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 2008-2009 and "Petroleum Supply Annual," Volume 1, 2008-2009, (DOE/EIA-0340(08)/1 - (09)/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, 2008 and 2009

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Power	
	R2008	2009	R2008	2009	R2008	2009	R2008	2009
U.S. Total	496,565	524,696	1,271,741	692,762	71,144	31,058	1,478,095	1,112,818
PAD District 1 Total	482,220	499,488	666,881	482,162	9,340	7,067	983,538	631,682
Subdistrict 1A Total	106,909	80,006	134,492	132,031	218	510	183,269	50,644
Connecticut	4,654	4,284	6,136	7,094	218	510	20,695	20,741
Maine	32,796	18,413	87,248	81,293	-	-	9,484	15,955
Massachusetts	41,875	31,804	17,034	13,350	-	-	136,681	8,384
New Hampshire	15,660	14,721	15,544	15,260	-	-	16,402	4,539
Rhode Island	7,147	6,784	3,376	10,333	-	-	7	-
Vermont	4,777	4,000	5,154	4,701	-	-	-	1,025
Subdistrict 1B Total	368,304	417,258	149,669	88,387	8,749	6,192	144,873	235,612
Delaware	568	6	21,218	15,517	-	-	-	-
Maryland	497	130	21,905	14,010	823	678	10,485	7,383
New Jersey	20,620	18,767	12,087	9,165	1,747	1,736	17,348	118,572
New York	336,028	387,279	54,101	21,294	575	589	90,342	82,529
Pennsylvania	10,591	11,075	40,358	28,401	5,604	3,188	26,698	27,127
Subdistrict 1C Total	7,006	2,224	382,720	261,744	372	365	655,395	345,426
Florida	4,139	617	65,360	46,224	-	-	623,630	312,993
Georgia	-	497	32,726	15,015	-	-	-	-
North Carolina	1,991	117	125,046	84,862	-	-	-	-
South Carolina	24	16	45,345	41,427	136	115	-	-
Virginia	852	978	87,722	70,507	237	249	31,765	32,434
West Virginia	-	-	26,522	3,708	-	-	-	-
PAD District 2 Total	12,195	9,613	281,723	48,971	3,446	1,916	8,504	4,652
Illinois	101	-	5,016	348	-	-	-	-
Indiana	74	388	12,543	1,225	3,446	1,916	-	-
Iowa	-	-	6,249	-	-	-	-	-
Kansas	-	11	45,026	1,631	-	-	-	-
Kentucky	-	-	1	3,118	-	-	-	-
Michigan	2,380	559	47,586	4,918	-	-	3,895	1,560
Minnesota	6,415	8,183	48,463	2,493	-	-	3,595	2,886
Missouri	39	26	1,423	1,139	-	-	-	-
Nebraska	1,677	17	1,534	9	-	-	1,014	-
North Dakota	517	55	1,344	649	-	-	-	-
Ohio	356	57	54,978	12,140	-	-	-	-
Oklahoma	-	-	17,796	13,594	-	-	-	-
South Dakota	395	153	1,570	274	-	-	-	206
Tennessee	197	161	6,761	1,621	-	-	-	-
Wisconsin	43	4	31,433	5,812	-	-	-	-
PAD District 3 Total	335	182	290,064	151,486	21,579	16	81,654	40,645
Alabama	-	16	45,156	1,768	-	-	-	-
Arkansas	-	-	1,947	1,832	-	-	1,668	1,212
Louisiana	-	-	69,127	73,716	21,006	-	26,379	23,845
Mississippi	11	-	5,358	2,394	14	16	4,015	494
New Mexico	-	-	10,052	436	-	-	-	-
Texas	324	166	158,425	71,339	559	-	49,592	15,093
PAD District 4 Total	-	1,457	21,153	6,290	2,230	1,000	-	-
Colorado	-	-	111	-	-	-	-	-
Idaho	-	-	-	367	-	-	-	-
Montana	-	1,457	-	-	-	-	-	-
Utah	-	-	19,356	5,896	-	-	-	-
Wyoming	-	-	1,686	27	2,230	1,000	-	-
PAD District 5 Total	1,815	13,956	11,919	3,854	34,549	21,061	404,399	435,839
Alaska	26	-	-	-	17	-	-	-
California	-	-	1,943	290	15,428	-	607	-
Hawaii	-	-	-	-	19,105	21,061	403,792	435,839
Oregon	1,789	1,957	9,679	3,564	-	-	-	-
Washington	-	11,999	297	-	-	-	-	-

See footnotes at end of table.

Table 17. Adjusted Sales of Residual Fuel Oil by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	R2008	2009	R2008	2009	R2008	2009	2008	2009
U.S. Total	6,230,994	5,607,263	11,393	18,030	4,517	13,198	9,564,450	7,999,824
PAD District 1 Total	2,285,074	1,801,917	10,641	17,339	189	7,464	4,437,882	3,447,119
Subdistrict 1A Total	16,018	61,801	896	947	37	475	441,839	326,413
Connecticut	-	157	896	947	37	9	32,636	33,742
Maine	2,572	36,052	-	-	-	-	132,100	151,713
Massachusetts	13,332	17,972	-	-	-	-	208,922	71,510
New Hampshire	-	-	-	-	-	401	47,606	34,920
Rhode Island	114	7,619	-	-	-	-	10,645	24,737
Vermont	-	-	-	-	-	65	9,931	9,791
Subdistrict 1B Total	1,633,293	1,157,982	8,625	14,493	34	5,192	2,313,547	1,925,116
Delaware	53,762	45,742	-	-	-	-	75,548	61,265
Maryland	25,750	11,212	7,738	7,996	-	-	67,198	41,410
New Jersey	944,427	466,426	-	2,147	-	5,172	996,229	621,986
New York	454,684	526,292	-	4,342	34	20	935,763	1,022,346
Pennsylvania	154,670	108,309	887	8	-	-	238,808	178,108
Subdistrict 1C Total	635,764	582,135	1,120	1,899	118	1,797	1,682,496	1,195,589
Florida	186,759	140,139	31	-	-	-	879,918	499,972
Georgia	311,723	302,833	-	-	-	-	344,449	318,345
North Carolina	32,093	31,144	-	165	-	93	159,130	116,381
South Carolina	62,609	82,740	55	-	-	-	108,168	124,299
Virginia	42,581	25,279	1,035	1,734	118	1,704	164,310	132,885
West Virginia	-	-	-	-	-	-	26,522	3,708
PAD District 2 Total	56,988	19,065	-	-	4,328	4,359	367,184	88,577
Illinois	1,489	1,088	-	-	-	-	6,606	1,436
Indiana	16,010	4,498	-	-	-	-	32,074	8,027
Iowa	-	-	-	-	-	-	6,249	-
Kansas	-	-	-	-	-	353	45,026	1,995
Kentucky	-	-	-	-	-	-	1	3,118
Michigan	9,265	6,036	-	-	2,147	-	65,274	13,074
Minnesota	27,988	7,203	-	-	-	1,336	86,460	22,100
Missouri	-	241	-	-	-	-	1,462	1,405
Nebraska	-	-	-	-	-	-	4,225	26
North Dakota	-	-	-	-	2,181	823	4,042	1,527
Ohio	-	-	-	-	-	1,848	55,334	14,044
Oklahoma	-	-	-	-	-	-	17,796	13,594
South Dakota	-	-	-	-	-	-	1,965	633
Tennessee	1,950	-	-	-	-	-	8,908	1,781
Wisconsin	285	-	-	-	-	-	31,762	5,816
PAD District 3 Total	1,821,890	1,697,299	-	31	-	-	2,215,523	1,889,658
Alabama	49,512	36,429	-	2	-	-	94,667	38,215
Arkansas	-	-	-	-	-	-	3,615	3,044
Louisiana	641,556	640,811	-	-	-	-	758,069	738,373
Mississippi	28,600	32,265	-	-	-	-	37,997	35,169
New Mexico	-	-	-	-	-	-	10,052	436
Texas	1,102,223	987,793	-	30	-	-	1,311,124	1,074,421
PAD District 4 Total	-	-	-	-	-	1,225	23,383	9,971
Colorado	-	-	-	-	-	-	111	-
Idaho	-	-	-	-	-	-	-	367
Montana	-	-	-	-	-	1,225	-	2,682
Utah	-	-	-	-	-	-	19,356	5,896
Wyoming	-	-	-	-	-	-	3,916	1,027
PAD District 5 Total	2,067,042	2,088,981	752	660	-	149	2,520,477	2,564,499
Alaska	8,484	-	-	-	-	149	8,527	149
California	1,752,265	1,683,814	752	660	-	-	1,770,994	1,684,764
Hawaii	43,005	54,866	-	-	-	-	465,902	511,766
Oregon	65,346	34,550	-	-	-	-	76,814	40,070
Washington	197,942	315,751	-	-	-	-	198,239	327,750

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

Notes: • See "Technical Note 3" for further explanations on 2008 revised data and adjustments. • 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 2008-2009 and "Petroleum Supply Annual," Volume 1, 2008-2009, (DOE/EIA-0340(08)/1 - (09)/1). • See Technical Note 3 for further explanation of Electric Power.

Table 18. Adjusted Sales of Kerosene by Energy Use, 2008 and 2009

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	2008	2009	2008	2009	2008	2009
U.S. Total	157,694	197,764	31,639	30,229	23,185	24,732
PAD District 1 Total	126,752	153,602	20,511	21,574	12,994	14,701
Subdistrict 1A Total	38,602	42,973	5,785	4,612	4,760	6,442
Connecticut	2,345	1,881	1,561	687	3,906	5,895
Maine	20,942	21,864	2,401	2,089	230	112
Massachusetts	2,788	4,013	901	699	11	411
New Hampshire	6,698	7,465	561	559	249	4
Rhode Island	517	963	72	16	155	-
Vermont	5,312	6,788	289	562	209	20
Subdistrict 1B Total	50,451	75,414	10,086	13,432	7,324	6,800
Delaware	1,230	2,137	277	59	2	174
District of Columbia	-	-	2	5	-	-
Maryland	4,348	4,736	492	1,286	152	104
New Jersey	2,059	1,441	2,359	1,532	4,490	2,898
New York	24,957	39,334	4,374	6,919	1,669	2,836
Pennsylvania	17,857	27,765	2,581	3,631	1,011	787
Subdistrict 1C Total	37,699	35,215	4,640	3,530	909	1,459
Florida	632	716	221	291	53	91
Georgia	787	1,372	313	232	234	230
North Carolina	15,812	15,526	1,461	1,215	34	214
South Carolina	3,587	3,217	803	264	57	75
Virginia	14,610	11,614	1,218	1,131	455	252
West Virginia	2,271	2,770	624	396	78	599
PAD District 2 Total	20,336	30,618	4,765	4,124	3,639	4,190
Illinois	1,097	1,287	284	426	595	522
Indiana	3,256	5,235	575	698	270	698
Iowa	226	583	46	25	-	13
Kansas	66	105	102	68	402	549
Kentucky	2,391	4,617	241	253	356	576
Michigan	2,298	2,885	332	324	253	341
Minnesota	304	727	259	125	27	34
Missouri	939	1,013	143	247	490	106
Nebraska	113	109	43	24	1	-
North Dakota	57	107	37	54	9	18
Ohio	5,699	8,452	1,828	1,145	722	774
Oklahoma	139	176	182	124	153	71
South Dakota	51	47	3	7	1	-
Tennessee	3,333	4,168	431	402	282	394
Wisconsin	367	1,105	259	202	77	95
PAD District 3 Total	1,064	1,423	1,913	1,565	5,962	5,347
Alabama	385	461	111	60	471	664
Arkansas	109	191	251	4	70	38
Louisiana	121	83	174	77	290	1,668
Mississippi	178	533	86	22	820	130
New Mexico	46	36	9	13	33	2
Texas	226	119	1,282	1,389	4,278	2,845
PAD District 4 Total	357	409	290	290	79	64
Colorado	148	288	109	160	49	29
Idaho	58	74	15	20	4	5
Montana	100	11	55	-	2	-
Utah	40	31	98	81	23	29
Wyoming	12	5	13	29	1	-
PAD District 5 Total	9,185	11,712	4,161	2,676	510	431
Alaska	3,830	546	2,591	477	1	1
Arizona	11	14	20	22	18	17
California	3,871	6,983	619	766	344	90
Hawaii	-	-	-	-	1	1
Nevada	457	992	156	430	4	10
Oregon	485	2,446	472	747	53	233
Washington	532	731	302	234	90	79

See footnotes at end of table.

Table 18. Adjusted Sales of Kerosene by Energy Use, 2008 and 2009 (Continued)

(Thousand Gallons)

Destination	Farm		All Other		Total	
	2008	2009	2008	2009	2008	2009
U.S. Total	5,169	6,225	1,050	611	218,736	259,560
PAD District 1 Total	1,250	1,597	270	323	161,776	191,796
Subdistrict 1A Total	469	439	27	30	49,643	54,496
Connecticut	94	1	5	18	7,912	8,481
Maine	84	113	7	3	23,663	24,180
Massachusetts	17	8	-	-	3,717	5,131
New Hampshire	122	9	1	-	7,631	8,037
Rhode Island	-	-	-	-	744	978
Vermont	152	308	14	10	5,976	7,689
Subdistrict 1B Total	309	832	142	76	68,312	96,555
Delaware	5	5	-	-	1,513	2,376
District of Columbia	-	-	-	-	2	5
Maryland	54	41	4	3	5,050	6,170
New Jersey	2	199	-	6	8,911	6,077
New York	198	258	98	18	31,296	49,365
Pennsylvania	51	329	40	49	21,540	32,562
Subdistrict 1C Total	472	325	101	217	43,821	40,746
Florida	13	39	1	7	920	1,144
Georgia	3	1	2	-	1,338	1,835
North Carolina	134	47	5	32	17,446	17,034
South Carolina	108	58	1	12	4,555	3,625
Virginia	192	171	89	163	16,564	13,331
West Virginia	23	9	3	3	2,998	3,777
PAD District 2 Total	3,480	3,651	655	232	32,874	42,815
Illinois	134	172	-	7	2,111	2,414
Indiana	242	297	27	7	4,370	6,936
Iowa	106	51	39	31	418	703
Kansas	56	82	33	4	658	807
Kentucky	325	257	48	55	3,360	5,758
Michigan	58	47	6	23	2,948	3,619
Minnesota	166	124	4	5	759	1,015
Missouri	45	39	1	1	1,619	1,405
Nebraska	20	136	20	8	198	277
North Dakota	18	19	-	-	122	198
Ohio	2,047	2,173	204	68	10,499	12,612
Oklahoma	63	31	189	7	727	408
South Dakota	4	35	1	-	59	89
Tennessee	30	22	11	10	4,086	4,996
Wisconsin	166	168	72	7	941	1,577
PAD District 3 Total	50	58	22	5	9,011	8,397
Alabama	2	4	2	-	971	1,189
Arkansas	4	4	1	-	435	237
Louisiana	4	2	-	2	589	1,831
Mississippi	12	-	-	-	1,096	685
New Mexico	2	2	4	3	93	55
Texas	27	45	14	-	5,827	4,399
PAD District 4 Total	67	66	21	-	814	830
Colorado	23	9	8	-	337	486
Idaho	24	21	-	-	100	121
Montana	5	2	12	-	174	13
Utah	15	33	-	-	177	175
Wyoming	-	-	-	-	26	34
PAD District 5 Total	322	853	83	50	14,261	15,722
Alaska	-	-	74	10	6,496	1,034
Arizona	1	3	2	3	51	59
California	157	319	3	7	4,993	8,165
Hawaii	-	-	-	-	1	1
Nevada	-	42	-	-	617	1,474
Oregon	48	304	1	4	1,059	3,734
Washington	116	184	2	25	1,042	1,254

Dashed (-) = No data reported.

Notes: • See "Technical Note 3" for further explanations on 2008 revised data and adjustments. • 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 2008-2009 and "Petroleum Supply Annual," Volume 1, 2008-2009, (DOE/EIA-0340(08)/1 - (09)/1).

Table 19. Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 2009
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
U.S. Total	88,464	4,328,539	4,417,003	197,764
PAD District 1 Total	26,454	3,871,766	3,898,220	153,602
Subdistrict 1A Total	4,510	1,750,588	1,755,098	42,973
Connecticut	109	537,461	537,570	1,881
Maine	1,159	232,589	233,748	21,864
Massachusetts	3,140	614,641	617,781	4,013
New Hampshire	-	146,732	146,732	7,465
Rhode Island	29	131,738	131,767	963
Vermont	73	87,427	87,500	6,788
Subdistrict 1B Total	19,533	1,917,710	1,937,243	75,414
Delaware	-	25,734	25,734	2,137
District of Columbia	-	7,618	7,618	-
Maryland	7,919	134,766	142,686	4,736
New Jersey	7,249	280,050	287,299	1,441
New York	2,326	895,828	898,154	39,334
Pennsylvania	2,038	573,714	575,752	27,765
Subdistrict 1C Total	2,411	203,467	205,879	35,215
Florida	32	1,615	1,647	716
Georgia	42	1,153	1,195	1,372
North Carolina	1,704	53,305	55,010	15,526
South Carolina	337	6,484	6,820	3,217
Virginia	-	131,099	131,099	11,614
West Virginia	297	9,811	10,108	2,770
PAD District 2 Total	28,084	343,757	371,841	30,618
Illinois	577	5,978	6,555	1,287
Indiana	2,346	14,724	17,071	5,235
Iowa	1,298	8,935	10,233	583
Kansas	78	167	245	105
Kentucky	159	17,867	18,026	4,617
Michigan	2,693	48,342	51,035	2,885
Minnesota	9,072	48,110	57,182	727
Missouri	297	3,962	4,260	1,013
Nebraska	712	1,282	1,994	109
North Dakota	2,289	15,650	17,939	107
Ohio	3,188	97,808	100,996	8,452
Oklahoma	-	161	161	176
South Dakota	1,305	5,766	7,071	47
Tennessee	56	9,199	9,254	4,168
Wisconsin	4,013	65,806	69,819	1,105
PAD District 3 Total	71	7,371	7,442	1,423
Alabama	-	5,581	5,581	461
Arkansas	10	215	225	191
Louisiana	55	1,402	1,457	83
Mississippi	-	7	7	533
New Mexico	6	71	78	36
Texas	-	95	95	119
PAD District 4 Total	2,939	12,413	15,351	409
Colorado	29	481	510	288
Idaho	1,379	6,264	7,643	74
Montana	1,422	3,723	5,145	11
Utah	22	995	1,017	31
Wyoming	87	949	1,036	5
PAD District 5 Total	30,916	93,233	124,149	11,712
Alaska	27,326	25,444	52,771	546
Arizona	-	116	116	14
California	130	13,533	13,664	6,983
Hawaii	-	99	99	-
Nevada	96	4,035	4,131	992
Oregon	2,647	16,535	19,182	2,446
Washington	716	33,470	34,186	731

Dashed (-) = No data reported.

Notes: • See "Technical Note 3" for further explanations on adjustments. • 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 2009 and "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/1).

Table 20. Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2009
(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				
U.S. Total	93,348	970,561	1,590,444	244,355	145,879	2,951,238	152,078	3,196,665	524,696	30,229
PAD District 1 Total	19,960	834,497	489,319	95,047	86,314	1,505,177	150,253	1,675,391	499,488	21,574
Subdistrict 1A Total	527	319,816	83,497	8,579	2,472	414,363	16,077	430,967	80,006	4,612
Connecticut	291	65,240	18,924	893	12	85,069	2,100	87,460	4,284	687
Maine	230	71,309	15,409	3,581	-	90,298	663	91,191	18,413	2,089
Massachusetts	6	100,632	28,607	1,020	97	130,357	8,167	138,531	31,804	699
New Hampshire	-	33,098	10,007	897	-	44,002	2,539	46,541	14,721	559
Rhode Island	-	28,085	5,514	1,718	20	35,337	1,558	36,895	6,784	16
Vermont	-	21,452	5,036	470	2,343	29,300	1,049	30,349	4,000	562
Subdistrict 1B Total	19,315	475,858	194,742	28,652	44,125	743,377	134,175	896,866	417,258	13,432
Delaware	16	3,596	5,020	2,720	25	11,360	289	11,666	6	59
District of Columbia	9	8,511	2,971	1,331	30	12,843	79	12,931	-	5
Maryland	20	38,710	14,775	14,663	1,829	69,977	7	70,004	130	1,286
New Jersey	358	52,510	36,391	1,329	3,502	93,733	2,252	96,343	18,767	1,532
New York	18,276	263,168	76,224	1,278	35,259	375,929	130,197	524,402	387,279	6,919
Pennsylvania	635	109,363	59,360	7,332	3,480	179,534	1,351	181,520	11,075	3,631
Subdistrict 1C Total	118	38,824	211,079	57,817	39,718	347,438	1	347,557	2,224	3,530
Florida	1	1,103	100,873	19,285	14,277	135,538	-	135,538	617	291
Georgia	-	110	32,619	5,262	2,815	40,806	1	40,807	497	232
North Carolina	-	11,996	36,538	15,061	15,325	78,920	-	78,920	117	1,215
South Carolina	-	716	17,126	2,448	2,120	22,410	-	22,410	16	264
Virginia	-	21,270	19,634	13,332	3,795	58,032	-	58,032	978	1,131
West Virginia	118	3,628	4,289	2,429	1,386	11,732	-	11,850	-	396
PAD District 2 Total	42,440	96,707	439,893	74,319	25,545	636,464	1,547	680,450	9,613	4,124
Illinois	1,566	8,351	35,768	1,855	483	46,457	-	48,023	-	426
Indiana	8,703	11,490	24,506	6,535	2,924	45,455	6	54,164	388	698
Iowa	3,046	2,608	17,850	236	5,086	25,780	-	28,827	-	25
Kansas	599	180	16,443	166	9	16,799	-	17,397	11	68
Kentucky	66	1,379	15,252	4,431	639	21,701	1,530	23,297	-	253
Michigan	7,092	3,990	59,667	5,787	434	69,878	-	76,970	559	324
Minnesota	6,529	23,049	26,634	2,389	227	52,299	-	58,828	8,183	125
Missouri	962	1,798	29,686	201	286	31,971	-	32,933	26	247
Nebraska	1,098	663	7,610	3,613	-	11,887	-	12,984	17	24
North Dakota	3,737	2,623	4,116	308	378	7,425	-	11,161	55	54
Ohio	3,357	23,968	84,502	14,586	12,841	135,898	2	139,256	57	1,145
Oklahoma	-	-	40,687	943	416	42,046	-	42,046	-	124
South Dakota	2,396	1,479	5,518	85	157	7,240	-	9,636	153	7
Tennessee	6	3,601	49,084	15,518	550	68,753	9	68,768	161	402
Wisconsin	3,285	11,527	22,569	17,664	1,114	52,874	-	56,159	4	202
PAD District 3 Total	70	8,460	379,888	43,319	14,687	446,355	274	446,699	182	1,565
Alabama	-	1,193	37,071	8,660	9,479	56,402	257	56,659	16	60
Arkansas	21	14	55,910	319	-	56,244	-	56,264	-	4
Louisiana	-	5,445	73,884	2,632	3,577	85,539	-	85,539	-	77
Mississippi	-	585	34,517	1,818	1,356	38,277	-	38,277	-	22
New Mexico	49	265	14,599	715	133	15,712	-	15,762	-	13
Texas	-	958	163,907	29,174	142	194,182	16	194,199	166	1,389
PAD District 4 Total	6,182	8,870	79,172	8,785	9,179	106,006	-	112,188	1,457	290
Colorado	4,799	4,177	53,329	1,788	-	59,294	-	64,094	-	160
Idaho	325	1,778	7,378	1,147	708	11,010	-	11,336	-	20
Montana	327	473	5,516	255	-	6,244	-	6,570	1,457	-
Utah	416	369	8,855	5,368	8,471	23,063	-	23,479	-	81
Wyoming	315	2,073	4,094	227	-	6,394	-	6,709	-	29
PAD District 5 Total	24,696	22,026	202,171	22,886	10,153	257,237	5	281,937	13,956	2,676
Alaska	22,271	7,731	3,029	2,944	2,477	16,182	5	38,457	-	477
Arizona	-	31	30,342	465	-	30,838	-	30,838	-	22
California	1,266	197	126,602	5,124	-	131,923	-	133,189	-	766
Hawaii	-	-	3,838	3,773	1,970	9,581	-	9,581	-	-
Nevada	99	985	7,498	126	-	8,609	-	8,709	-	430
Oregon	473	5,946	12,254	3,657	3,021	24,879	-	25,352	1,957	747
Washington	587	7,135	18,609	6,796	2,685	35,224	-	35,811	11,999	234

Dashed (-) = No data reported.
 Notes: • See "Technical Note 3" for further explanations on adjustments. • 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 2009 and "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/1).

Table 21. Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 2009
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate			
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel					No. 2 Total
U.S. Total	28,869	175,740	1,904,575	369,989	2,450,305	93,523	2,572,697	692,762	24,732
PAD District 1 Total	260	121,828	325,287	171,682	618,798	48,843	667,901	482,162	14,701
Subdistrict 1A Total	29	29,625	19,488	934	50,046	15,560	65,636	132,031	6,442
Connecticut	10	14,067	2,863	-	16,931	1,647	18,587	7,094	5,895
Maine	-	5,867	3,767	36	9,670	8,793	18,463	81,293	112
Massachusetts	4	1,273	3,908	601	5,782	1,356	7,143	13,350	411
New Hampshire	11	5,054	5,783	213	11,049	2,782	13,843	15,260	4
Rhode Island	-	579	177	-	756	235	990	10,333	-
Vermont	4	2,785	2,990	83	5,859	748	6,611	4,701	20
Subdistrict 1B Total	230	78,187	87,009	23,710	188,906	8,589	197,725	88,387	6,800
Delaware	-	320	3,138	-	3,457	64	3,521	15,517	174
District of Columbia	-	-	50	-	50	-	50	-	-
Maryland	-	2,082	22,081	483	24,646	6	24,652	14,010	104
New Jersey	-	4,464	7,794	71	12,329	1,607	13,936	9,165	2,898
New York	124	32,968	10,532	3,942	47,442	4,751	52,318	21,294	2,836
Pennsylvania	106	38,353	43,414	19,214	100,982	2,160	103,248	28,401	787
Subdistrict 1C Total	1	14,016	218,791	147,038	379,845	24,694	404,540	261,744	1,459
Florida	-	-	30,030	6,944	36,974	1,918	38,892	46,224	91
Georgia	-	1,486	29,331	14,810	45,628	7,358	52,986	15,015	230
North Carolina	-	3,898	26,527	4,156	34,581	2,366	36,948	84,862	214
South Carolina	-	5	15,767	2,360	18,132	6,361	24,494	41,427	75
Virginia	-	8,055	25,618	11,391	45,065	6,686	51,751	70,507	252
West Virginia	1	572	91,518	107,375	199,464	4	199,470	3,708	599
PAD District 2 Total	12,014	43,296	574,270	92,288	709,853	17,123	738,990	48,971	4,190
Illinois	1,559	5,829	35,320	8,521	49,670	1,578	52,807	348	522
Indiana	998	10,678	41,543	10,522	62,743	572	64,312	1,225	698
Iowa	1,204	176	20,654	176	21,007	341	22,552	-	13
Kansas	102	28	17,749	198	17,975	1,336	19,413	1,631	549
Kentucky	67	485	237,522	31,216	269,223	182	269,473	3,118	576
Michigan	335	4,255	27,277	5,238	36,771	219	37,325	4,918	341
Minnesota	2,931	4,588	19,520	523	24,631	51	27,612	2,493	34
Missouri	361	6,112	21,680	4,076	31,868	3,325	35,555	1,139	106
Nebraska	213	387	4,939	-	5,325	626	6,165	9	-
North Dakota	1,663	144	20,900	-	21,044	-	22,706	649	18
Ohio	498	3,614	59,933	22,256	85,802	874	87,174	12,140	774
Oklahoma	-	-	18,998	36	19,034	1,442	20,476	13,594	71
South Dakota	275	1,130	4,158	124	5,412	-	5,688	274	-
Tennessee	588	732	13,806	6,871	21,409	2,082	24,078	1,621	394
Wisconsin	1,220	5,138	30,272	2,530	37,940	4,494	43,654	5,812	95
PAD District 3 Total	23	5,855	449,110	62,989	517,954	26,781	544,757	151,486	5,347
Alabama	-	341	94,416	31,551	126,308	1,811	128,118	1,768	664
Arkansas	-	460	37,221	946	38,627	1,283	39,911	1,832	38
Louisiana	-	-	15,640	761	16,401	14,453	30,854	73,716	1,668
Mississippi	-	221	18,193	12,403	30,816	-	30,816	2,394	130
New Mexico	23	5	47,343	199	47,546	-	47,569	436	2
Texas	-	4,828	236,297	17,130	258,255	9,234	267,489	71,339	2,845
PAD District 4 Total	4,650	2,040	293,249	7,429	302,719	91	307,461	6,290	64
Colorado	884	716	37,273	751	38,740	-	39,624	-	29
Idaho	188	423	22,497	1,058	23,978	29	24,194	367	5
Montana	718	35	17,559	5	17,599	-	18,316	-	-
Utah	338	-	40,634	5,496	46,131	62	46,531	5,896	29
Wyoming	2,522	866	175,286	119	176,272	-	178,795	27	-
PAD District 5 Total	11,922	2,721	262,659	35,601	300,981	686	313,589	3,854	431
Alaska	8,676	1,757	9,465	25,813	37,035	-	45,710	-	1
Arizona	-	-	87,759	-	87,759	-	87,759	-	17
California	3,140	58	55,393	3,484	58,936	-	62,076	290	90
Hawaii	-	-	1,788	343	2,131	-	2,131	-	1
Nevada	18	-	83,590	-	83,590	503	84,111	-	10
Oregon	81	187	11,750	2,407	14,344	-	14,425	3,564	233
Washington	8	719	12,914	3,554	17,187	182	17,377	-	79

Dashed (-) = No data reported.

Notes: • See "Technical Note 3" for further explanations on adjustments. • 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 2009 and "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/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, 2009
(Thousand Gallons)

Destination	Farm				Electric Power		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	3,287,643	46,001	3,333,644	6,225	510,637	1,112,818	970,203	31,058
PAD District 1 Total	346,393	8,195	354,588	1,597	181,276	631,682	56,442	7,067
Subdistrict 1A Total	12,187	2,599	14,786	439	14,570	50,644	13	510
Connecticut	1,048	729	1,777	1	8,735	20,741	13	510
Maine	2,495	962	3,457	113	156	15,955	-	-
Massachusetts	1,298	470	1,768	8	3,701	8,384	-	-
New Hampshire	2,219	314	2,533	9	866	4,539	-	-
Rhode Island	21	-	21	-	976	-	-	-
Vermont	5,105	124	5,230	308	135	1,025	-	-
Subdistrict 1B Total	96,114	4,668	100,782	832	101,542	235,612	17,164	6,192
Delaware	6,269	1	6,269	5	2,759	-	11,356	-
District of Columbia	-	-	-	-	847	-	-	-
Maryland	8,555	1,781	10,336	41	6,259	7,383	92	678
New Jersey	6,320	164	6,484	199	12,220	118,572	748	1,736
New York	32,118	743	32,861	258	51,952	82,529	2,422	589
Pennsylvania	42,852	1,979	44,830	329	27,505	27,127	2,546	3,188
Subdistrict 1C Total	238,092	928	239,021	325	65,164	345,426	39,265	365
Florida	92,006	-	92,006	39	28,267	312,993	251	-
Georgia	73,328	293	73,620	1	2,383	-	69	-
North Carolina	44,010	370	44,380	47	11,653	-	45	-
South Carolina	8,683	3	8,685	58	6,078	-	528	115
Virginia	18,366	244	18,610	171	4,349	32,434	1,111	249
West Virginia	1,700	19	1,719	9	12,435	-	37,261	-
PAD District 2 Total	1,896,040	22,990	1,919,030	3,651	128,469	4,652	75,704	1,916
Illinois	164,143	974	165,117	172	9,104	-	2,929	-
Indiana	127,558	25	127,582	297	8,580	-	1,807	1,916
Iowa	244,458	2,288	246,746	51	6,376	-	-	-
Kansas	190,402	1,874	192,276	82	1,826	-	6,918	-
Kentucky	26,381	-	26,381	257	9,823	-	1,056	-
Michigan	67,843	170	68,013	47	8,013	1,560	19,794	-
Minnesota	211,846	1,730	213,575	124	3,821	2,886	908	-
Missouri	123,249	3,049	126,298	39	3,657	-	52	-
Nebraska	205,574	4,051	209,625	136	6,298	-	194	-
North Dakota	131,861	2,169	134,029	19	4,154	-	28,855	-
Ohio	132,825	259	133,084	2,173	25,033	-	510	-
Oklahoma	49,751	-	49,751	31	20,969	-	12,642	-
South Dakota	82,866	3,237	86,103	35	122	206	-	-
Tennessee	27,258	20	27,278	22	17,546	-	38	-
Wisconsin	110,026	3,143	113,170	168	3,148	-	-	-
PAD District 3 Total	537,698	1,976	539,674	58	43,400	40,645	725,946	16
Alabama	25,087	-	25,087	4	7,816	-	-	-
Arkansas	96,812	-	96,812	4	1,214	1,212	84,131	-
Louisiana	57,926	1,975	59,901	2	8,804	23,845	341,625	-
Mississippi	57,731	-	57,731	-	3,364	494	5,558	16
New Mexico	15,855	1	15,856	2	3,735	-	13,292	-
Texas	284,287	-	284,287	45	18,467	15,093	281,339	-
PAD District 4 Total	223,884	4,021	227,905	66	5,487	-	51,263	1,000
Colorado	44,534	418	44,952	9	1,478	-	17,493	-
Idaho	59,612	350	59,962	21	13	-	512	-
Montana	102,462	3,102	105,564	2	1,273	-	22,970	-
Utah	7,439	-	7,439	33	2,434	-	2,110	-
Wyoming	9,836	151	9,987	-	288	-	8,178	1,000
PAD District 5 Total	283,628	8,819	292,447	853	152,006	435,839	60,849	21,061
Alaska	93	72	165	-	44,197	-	57,579	-
Arizona	30,998	-	30,998	3	4,625	-	352	-
California	165,467	8,379	173,846	319	4,709	-	2,735	-
Hawaii	3,604	-	3,604	-	92,573	435,839	3	21,061
Nevada	4,620	25	4,646	42	307	-	51	-
Oregon	29,321	58	29,379	304	1,530	-	-	-
Washington	49,525	285	49,810	184	4,065	-	129	-

Dashed (-) = No data reported.

Notes: • See "Technical Note 3" for further explanations on adjustments. • 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 2009 and "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/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, 2009
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	2,481,484	1,486,802	5,607,263	34,147,806	38,116,093	5,607,263
PAD District 1 Total	432,911	219,381	1,801,917	9,929,426	10,581,719	1,801,917
Subdistrict 1A Total	40,077	29,565	61,801	1,044,171	1,113,813	61,801
Connecticut	2,332	4,163	157	266,121	272,616	157
Maine	7,700	2,354	36,052	176,004	186,058	36,052
Massachusetts	19,969	17,792	17,972	399,575	437,336	17,972
New Hampshire	791	2,505	-	92,882	96,178	-
Rhode Island	4	2,751	7,619	55,684	58,439	7,619
Vermont	9,281	-	-	53,905	63,186	-
Subdistrict 1B Total	145,381	69,243	1,157,982	3,629,109	3,843,734	1,157,982
Delaware	1,163	342	45,742	55,610	57,116	45,742
District of Columbia	-	-	-	11,944	11,944	-
Maryland	576	791	11,212	515,315	516,681	11,212
New Jersey	8,771	43,442	466,426	679,361	731,575	466,426
New York	37,886	7,378	526,292	1,064,997	1,110,261	526,292
Pennsylvania	96,985	17,290	108,309	1,301,882	1,416,157	108,309
Subdistrict 1C Total	247,452	120,573	582,135	5,256,146	5,624,172	582,135
Florida	36,428	81,462	140,139	1,322,703	1,440,593	140,139
Georgia	66,211	11,477	302,833	1,197,220	1,274,909	302,833
North Carolina	71,205	6,368	31,144	886,949	964,522	31,144
South Carolina	3,106	6,961	82,740	641,944	652,012	82,740
Virginia	68,753	14,199	25,279	935,552	1,018,504	25,279
West Virginia	1,749	106	-	271,778	273,633	-
PAD District 2 Total	859,452	158,311	19,065	10,905,027	11,922,791	19,065
Illinois	72,282	53,113	1,088	1,364,571	1,489,966	1,088
Indiana	51,563	20,372	4,498	1,109,103	1,181,038	4,498
Iowa	23,517	913	-	601,324	625,754	-
Kansas	92,600	-	-	441,256	533,856	-
Kentucky	66,167	29,961	-	742,976	839,103	-
Michigan	10,770	10,456	6,036	780,954	802,180	6,036
Minnesota	51,484	13,523	7,203	584,807	649,815	7,203
Missouri	25,257	1,584	241	944,991	971,832	241
Nebraska	4,487	-	-	386,874	391,361	-
North Dakota	3,888	-	-	194,777	198,665	-
Ohio	172,179	16,147	-	1,323,991	1,512,317	-
Oklahoma	199,094	11	-	729,736	928,841	-
South Dakota	7,898	-	-	197,232	205,130	-
Tennessee	41,832	11,367	-	826,077	879,276	-
Wisconsin	36,435	864	-	676,358	713,657	-
PAD District 3 Total	680,230	760,827	1,697,299	6,641,445	8,082,502	1,697,299
Alabama	54,222	71,875	36,429	657,070	783,168	36,429
Arkansas	13,230	66,245	-	592,469	671,944	-
Louisiana	19,613	239,208	640,811	694,073	952,893	640,811
Mississippi	28,038	147,246	32,265	553,866	729,150	32,265
New Mexico	344	-	-	432,794	433,138	-
Texas	564,782	236,254	987,793	3,711,173	4,512,209	987,793
PAD District 4 Total	162,785	21	-	1,693,227	1,856,033	-
Colorado	52,506	1	-	510,211	562,718	-
Idaho	10,626	20	-	225,624	236,270	-
Montana	6,153	-	-	235,067	241,220	-
Utah	21,852	-	-	399,528	421,380	-
Wyoming	71,648	-	-	322,797	394,445	-
PAD District 5 Total	346,106	348,262	2,088,981	4,978,681	5,673,049	2,088,981
Alaska	5,093	80,282	-	202,102	287,477	-
Arizona	7,079	-	-	739,863	746,942	-
California	190,404	145,361	1,683,814	2,591,988	2,927,752	1,683,814
Hawaii	4	60,710	54,866	46,847	107,561	54,866
Nevada	9,946	6	-	302,145	312,097	-
Oregon	78,824	10,185	34,550	498,335	587,345	34,550
Washington	54,756	51,718	315,751	597,401	703,874	315,751

Dashed (-) = No data reported.

Notes: • See "Technical Note 3" for further explanations on adjustments. • 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 2009 and "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/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, 2009
(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other	
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Residual Fuel Oil	Kerosene
U.S. Total	206,856	31,075	237,932	18,030	2,033,357	277,310	2,310,667	13,198	611
PAD District 1 Total	43,816	25,517	69,333	17,339	566,699	76,850	643,549	7,464	323
Subdistrict 1A Total	3,025	2,757	5,783	947	78,849	8,062	86,911	475	30
Connecticut	220	196	416	947	15,446	149	15,595	9	18
Maine	1,030	418	1,447	-	11,858	3,342	15,200	-	3
Massachusetts	78	-	78	-	28,045	1,324	29,370	-	-
New Hampshire	1,377	289	1,667	-	7,704	1,829	9,533	401	-
Rhode Island	20	1,707	1,727	-	5,969	14	5,983	-	-
Vermont	299	147	446	-	9,827	1,404	11,231	65	10
Subdistrict 1B Total	9,969	22,760	32,729	14,493	175,473	22,978	198,452	5,192	76
Delaware	130	-	130	-	2,566	172	2,737	-	-
District of Columbia	175	-	175	-	1,107	-	1,107	-	-
Maryland	3,025	1,516	4,540	7,996	16,104	303	16,406	-	3
New Jersey	1,229	185	1,414	2,147	38,231	14,060	52,292	5,172	6
New York	3,563	16,438	20,001	4,342	36,300	2,977	39,277	20	18
Pennsylvania	1,848	4,621	6,468	8	81,165	5,467	86,632	-	49
Subdistrict 1C Total	30,822	-	30,822	1,899	312,376	45,810	358,186	1,797	217
Florida	2,702	-	2,702	-	115,563	4,096	119,658	-	7
Georgia	3,943	-	3,943	-	62,420	18,191	80,611	-	-
North Carolina	19,074	-	19,074	165	39,388	7,271	46,660	93	32
South Carolina	1,207	-	1,207	-	28,827	8,631	37,458	-	12
Virginia	3,526	-	3,526	1,734	56,697	6,750	63,447	1,704	163
West Virginia	369	-	369	-	9,482	871	10,352	-	3
PAD District 2 Total	10,937	778	11,715	-	682,776	62,603	745,379	4,359	232
Illinois	453	-	453	-	71,476	12,573	84,049	-	7
Indiana	65	-	65	-	66,864	5,028	71,892	-	7
Iowa	70	-	70	-	35,434	3,598	39,032	-	31
Kansas	769	155	924	-	38,736	1,130	39,867	353	4
Kentucky	540	-	540	-	40,863	2,592	43,455	-	55
Michigan	1,264	-	1,264	-	43,427	5,240	48,667	-	23
Minnesota	357	1	358	-	56,695	5,526	62,222	1,336	5
Missouri	2,648	439	3,087	-	68,368	1,960	70,328	-	1
Nebraska	253	-	253	-	30,225	6,246	36,471	-	8
North Dakota	1,888	-	1,888	-	33,133	1,089	34,223	823	-
Ohio	1,662	153	1,815	-	75,665	2,152	77,817	1,848	68
Oklahoma	202	-	202	-	31,531	4,078	35,609	-	7
South Dakota	203	-	203	-	11,514	1,364	12,878	-	-
Tennessee	286	-	286	-	35,475	6,770	42,245	-	10
Wisconsin	277	31	308	-	43,368	3,256	46,624	-	7
PAD District 3 Total	46,661	-	46,661	31	422,180	86,949	509,129	-	5
Alabama	2,898	-	2,898	2	56,850	29,831	86,682	-	-
Arkansas	377	-	377	-	23,244	9,653	32,897	-	-
Louisiana	2,323	-	2,323	-	52,619	15,653	68,273	-	2
Mississippi	1,086	-	1,086	-	13,696	11,243	24,939	-	-
New Mexico	464	-	464	-	7,554	376	7,930	-	3
Texas	39,511	-	39,511	30	268,217	20,191	288,408	-	-
PAD District 4 Total	1,204	66	1,270	-	110,599	12,623	123,223	1,225	-
Colorado	806	41	847	-	40,213	3,012	43,225	-	-
Idaho	45	2	46	-	11,549	4,069	15,618	-	-
Montana	151	23	174	-	20,731	2,106	22,837	1,225	-
Utah	109	-	109	-	19,249	2,430	21,679	-	-
Wyoming	93	-	93	-	18,858	1,007	19,865	-	-
PAD District 5 Total	104,239	4,713	108,952	660	251,103	38,285	289,388	149	50
Alaska	6,798	4,713	11,511	-	11,113	1,110	12,223	149	10
Arizona	1,145	-	1,145	-	43,094	698	43,792	-	3
California	13,609	-	13,609	660	107,612	17,539	125,150	-	7
Hawaii	7,717	-	7,717	-	8,466	-	8,466	-	-
Nevada	1,471	-	1,471	-	37,027	677	37,704	-	-
Oregon	606	-	606	-	18,958	10,659	29,617	-	4
Washington	72,893	-	72,893	-	24,833	7,603	32,436	-	25

Dashed (-) = No data reported.

Notes: • See "Technical Note 3" for further explanations on adjustments. • 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 2009 and "Petroleum Supply Annual," Volume 1, 2009, (DOE/EIA-0340(09)/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 21,000 companies in January 2007 to collect 2006 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 2002 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 2006 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 2009 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 2009 EIA-821 data: distillate, 0.47 percent for farm use to 35.23 percent for military use; residual fuel oil, 0.00 percent for oil company use to 9.08 percent for

commercial use; and kerosene, 2.76 percent for farm use to 7.06 percent for commercial use.

Collection Methods

The EIA-821 form was mailed in January 2010 to all companies selected for participation in the 2009 reference year survey. The completed form was due to EIA on March 5, 2010. 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 (CV), which are estimates of sampling errors, are 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 2009 EIA-821 survey, the overall response rate (the number of submissions received, divided by the number of submissions solicited and expected, times 100) was 91.1 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. The originally published Fuel Oil and Kerosene Sales 2008 contained incorrect data. We revised the 2008 data with the correct information. Of the 2005 through 2009 special fuels, more than 99 percent is diesel.

Tables 13 through 24:

The 2008 adjusted numbers have been revised since they were first published in the Fuel Oil and Kerosene Sales 2008. 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 2008, 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.

On-Highway Diesel. Distillate fuel oil by State was calculated from the Federal Highway Administration data on highway use of special fuels. The originally published Fuel Oil and Kerosene Sales 2008 contained incorrect data. We revised the 2008 data with the correct information. Of the 2005 through 2009 special fuels, more than 99 percent is diesel.

2005 through 2009 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 2009 survey resulted in 257,424 thousand gallons of kerosene at the national level. The products supplied volume at the national level for kerosene was 259,560 thousand gallons. Hence, the adjustment factor at the national level for 2009 was 1.01.

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 2008 are as follows:

Distillate Fuel Oil

PAD District 1:	1.06
PAD District 2:	1.38
PAD District 3:	1.41
PAD District 4:	1.10
PAD District 5:	.86

For Tables 13 through 24, total sales at the PAD district level equal the products supplied volumes as reported in the PSA, 2005 through 2009. For example, the 2009 survey yielded a volume for distillate residential use in PAD District 2 of 269,763 thousand gallons. The total distillate volume for PAD District 2 was 4,034,293 from the survey, after subtracting the volume coming from alternate sources. The product supplied total distillate volume for PAD District 2 was 5,560,872 after removing alternate source volume. Hence, the adjusted 2009 estimate of distillate for residential use in PAD District 2 was $(5,560,872/4,034,293) \times 269,763 = 371,841$. 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 2009 survey yielded

6,705,631 gallons of residual fuel oil, while the products supplied volume at the national level was 7,999,824 thousand gallons. Thus, the adjustment factor at the national level for 2009 was 1.23, 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 known 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 2009**

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 800-638-8812

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	7. Zip Code	d. Email Address	
9. Reference Year 2009		10. Type of Report (Check One)	
		a. <input type="checkbox"/> Original	
		b. <input type="checkbox"/> Resubmission	
11. The number of States in which your firm sells Fuel Oil and/or Kerosene to Energy Users.			
12. Which of the following best describes this firm at the end of 2009?		13. Effective Date of Status Change	
a. <input type="checkbox"/> In operation – Sales include petroleum products		Month Day Year	
b. 1. <input type="checkbox"/> Sold			
2. <input type="checkbox"/> Merged			
3. <input type="checkbox"/> Leased			
c. <input type="checkbox"/> Subsidiary of another			
d. <input type="checkbox"/> Commissioned Agent			
e. <input type="checkbox"/> Permanently ceased operation		14. Company Name	
f. <input type="checkbox"/> Not in the petroleum business		15. Doing Business As (DBA)	
		16. Physical Address (eg. Street Address, Building, Floor, Suite)	
		17. Mailing Address (eg. PO Box, RR)	
		18. City	19. State
		20. Zip Code	
		21. Contact Information:	
		a. Name	

		b. Telephone Number (____) _____ - _____	
		c. Fax Number (____) _____ - _____	
		d. Email Address	

PREPARED BY: 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 2009	Page _____ of _____
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PART II. TOTAL SALES DURING THE REFERENCE YEAR. (Read pages 2-4 of the instructions)

Line No.	Type of Fuel and Use	States of Destination (Enter Standard Abbreviations, see page 6 of the instructions)		

Kerosene (Report in Actual Gallons)				
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	Total Kerosene (Add Lines 1 thru 6)			

Distillate Fuel Oil (Report in Actual Gallons)				
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 2009	Page _____ of _____
PART II. TOTAL SALES DURING THE REFERENCE YEAR. (Read pages 2-4 of the instructions)				
Line No.	Type of Fuel and Use	States of Destination (Enter Standard Abbreviations, see page 6 of the instructions)		
Distillate Fuel Oil – continued (Report in Actual Gallons)				
Vessel Bunkering (Shipping and Boating):				
27	No. 2 Diesel ≤ 500 ppm Sulfur, Low (include Ultra Low Sulfur)			
28	No. 2 Diesel > 500 ppm Sulfur, High			
29	Other Distillate			
Military Use:				
30	No. 2 Diesel ≤ 500 ppm Sulfur, Low (include Ultra Low Sulfur)			
31	No. 2 Diesel > 500 ppm Sulfur, High			
32	Other Distillate			
Electric Power (Electric utility and Nonutility):				
33	No. 2 Diesel ≤ 500 ppm Sulfur, Low (include Ultra Low Sulfur)			
34	No. 2 Diesel > 500 ppm Sulfur, High			
35	Other Distillate			
Farm Use:				
36	No. 2 Diesel ≤ 500 ppm Sulfur, Low (include Ultra Low Sulfur)			
37	No. 2 Diesel > 500 ppm Sulfur, High			
38	Other Distillate			
On-highway Diesel Use:		Report No.1 and No.2 Diesel of on-highway use.		
39	Diesel ≤ 15 ppm Sulfur, Ultra Low			
40	Diesel > 15 and ≤ 500 ppm Sulfur, Low			
Off-highway Use: Construction:				
41	No. 2 Diesel ≤ 500 ppm Sulfur, Low (include Ultra Low Sulfur)			
42	No. 2 Diesel > 500 ppm Sulfur, High			
43	Other Distillate			
Off-highway Use: Other (Specify e.g., Logging):				
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	Total Distillate (Add Lines 8 thru 48)			

Name of Firm Reporting		DOE ID Number	Reference Year 2009	Page _____ of _____
PART II. TOTAL SALES DURING THE REFERENCE YEAR. (Read pages 2-4 of the instructions)				
Line No.	Type of Fuel and Use	States of Destination (Enter Standard Abbreviations, see page 6 of the instructions)		
Residual Fuel Oil – Include No. 5 and No. 6 (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	Total Residual (Add Lines 50 thru 57)			

Send the completed form to: **Oil & Gas Survey**
U.S. Department of Energy
Ben Franklin Station
P.O. Box 279
Washington, DC 20044-0279

or fax completed form by calling: **202-586-9772, Attn: EIA-821**