

# Fuel Oil and Kerosene Sales 1996

August 1997

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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 1996* report. Included are annual sales data on petroleum volumes of kerosene, distillate fuel oils, and residual fuel oils by State. Annual historical data at the national level are provided in summary tables.

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

For obtaining *Fuel Oil and Kerosene Sales* personal computer diskette by mail, order from:

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The *Fuel Oil and Kerosene Sales* diskette is in ASCII text format on a double-sided high-density 3.5 inch diskette for use with IBM-compatible personal computers.

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# Introduction

The *Fuel Oil and Kerosene Sales 1996* report provides information, illustrations and State-level statistical data on end-use sales of kerosene; No. 1, No. 2, and No. 4 distillate fuel oil; and residual fuel oil. State-level kerosene sales include volumes for residential, commercial, industrial, farm, and all other uses. State-level distillate sales include volumes for residential, commercial, industrial, oil company, railroad, vessel bunkering, military, electric utility, farm, on-highway, off highway construction, and other uses. State-level residual fuel sales include volumes for commercial, industrial, oil company, vessel bunkering, military, electric utility, and other uses. The Petroleum Marketing 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 1996*.

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 for further explanation.

Kerosene and residual fuel oil in Tables 13 through 24 are adjusted at the national level to equal published PSA products supplied estimates. Historically, kerosene estimates have always been adjusted at the PAD-district level. However, in 1992, certain kerosene estimates at the PAD district level resulted in negative numbers. Hence, the adjustment procedure was changed to display positive sales volumes of kerosene for all PAD districts. 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 may be 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 may be supplied into a PAD district but the final sale may cross PAD district boundaries. For example, a fuel oil dealer in Ohio (PAD District II) may make retail sales into Pennsylvania (PAD District IB) and/or West Virginia (PAD District IC).
- Drawdowns or buildups in stocks will cause volumes supplied to differ from sales volumes.



## Highlights

# Sales of Fuel Oil and Kerosene in 1996

Distillate sales rose again in 1996, up 3.7 percent over 1995, propelled upward by an expanding economy. In contrast to 1995, residual fuel oil sales increased in 1996, the first gain since 1988. Residual fuel oil sales increased 7.7 percent over 1995. This shift in the trend of residual fuel sales was the consequence of extremely cold weather during the beginning of 1996 and competitive residual fuel prices toward the end of 1996.

### Distillate Fuel Oil

Distillate sales went from 51.5 billion gallons in 1995 to 53.4 billion gallons in 1996 and experienced an increase in every category except commercial and military use. The critical factors affecting distillate sales in each of these categories were the economy, weather, and crude oil prices. Economic vitality had the most profound influence on distillate sales in the transportation sector.

The transportation sector, consisting of on-highway, vessel bunkering and railroad uses, continued to dominate distillate sales with 61.6 percent of total distillate sales. A strong economy, indicated by a 4.4 percent increase (in current dollars) in the Gross Domestic

Product (GDP), pushed distillate sales in the transportation sector up 5.0 percent in 1996. At 27.0 billion gallons, on-highway diesel sales increased 5.4 percent to 82.0 percent of distillate in the transportation sector and 50.5 percent of all distillate sales. On-highway sales went up because the demand for delivery of goods and services increased in 1996. Vessel bunkering and railroad use also both increased in 1996, rising 6.5 and .53 percent respectively. Sales of distillate to railroads increased slightly in 1996 to 3.4 billion gallons, up 18 million gallons. Due to respondent reporting errors in 1995 this increase is actually larger than it appears. Vessel bunkering increased as well to 2.5 billion gallons, an increase of 152 million gallons from 1995.

Despite a colder heating season, distillate sales to residential customers for home heating remained relatively unchanged from 1995. Residential use at 6.9 billion gallons was up only .7 percent in 1996. Approximately 12.9 percent of all distillate sales in 1996 were for residential use and 82.8 percent of those sales were in PAD District I. The principal reason for the consistency in sales was an increase in natural gas consumption stimulated by competitive pricing. While residential heating oil prices increased 10.7 percent in

Table HL1. Volume Distribution of Distillate and Residual Fuel Oils, 1995 and 1996

End Use	Distillate 1996		Distillate 1995		Residual 1996		Residual 1995	
	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share
Residential .....	6,910	12.9	6,860	13.3	--	--	--	--
Commercial .....	3,604	6.8	3,631	7.1	928	7.0	923	7.5
Industrial .....	2,289	4.3	2,239	4.3	2,089	15.7	1,978	16.1
Oil Company .....	731	1.4	687	1.3	167	1.3	211	1.7
Farm .....	3,591	6.7	3,476	6.8	--	--	--	--
Electric .....	658	1.2	597	1.2	4,305	32.5	3,262	26.5
Railroad .....	3,447	6.5	3,429	6.7	--	--	--	--
Vessel Bunkering .....	2,491	4.7	2,339	4.5	5,701	43.0	5,886	47.8
On-Highway .....	26,959	50.5	25,576	49.7	--	--	--	--
Military .....	454	0.8	462	0.9	56	0.4	51	0.4
Off-Highway .....	2,246	4.2	2,173	4.2	--	--	--	--
Other .....	0	0.0	0	0.0	10	0.1	7	0.0
<b>Total .....</b>	<b>53,380</b>	<b>100.0</b>	<b>51,469</b>	<b>100.0</b>	<b>13,256</b>	<b>100.0</b>	<b>12,318</b>	<b>100.0</b>

Sources: Energy Information Administration, Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," 1995 and 1996.

1996, natural gas prices only increased 0.8 percent.<sup>1</sup> Heating oil prices remained high because the cold fall season in 1995 hindered the typical rise in stock levels. The high price of crude oil and persistent expectations that the price would drop helped maintain the low levels of distillate stock throughout the year.<sup>2</sup> Additionally, more efficient inventory management and a strategy of just in time inventorying also contributed to low stock levels. Diminishing residential distillate sales, however, were offset by a 6.9 percent increase in residential and commercial natural gas consumption.<sup>3</sup> Residential natural gas should continue to curtail the heating oil share of the market as more existing homes convert to natural gas and the quantity of new gas home completions rises.

Commercial use distillate decreased .7 percent in 1996, which equates to a decrease of 27 million gallons. The largest decrease was in low sulfur diesel which decreased 111 million gallons or 9.3 percent in 1996. Decreased use of on-highway diesel by governments was the primary reason for this drop.

Distillate sales for industrial use increased 2.2 percent in 1996. In order to satisfy escalating demand, industrial use sales increased by 50 million gallons. A growing economy evidenced by an increase in manufacturing production and capacity utilization of 2.74 percent, contributed to the increase.<sup>4</sup>

Farm use of distillate at 3.6 billion gallons was up 3.3 percent in 1996. The principle reason for this increase was the total area planted (in principal crops) rising 8.3 percent.<sup>5</sup> Some gain in fuel sales was due to an increase in the fuel requirements of those particular commodities planted and harvested. The area of corn and wheat planted increased 13.0 and 8.6 percent, respectively, and had the greatest impact on the increase in total area planted.<sup>6</sup> In fact, the area planted for spring wheat was the most since 1936. The area planted for corn increased by 9 million acres and corn

is a fuel intensive commodity. The total area of corn harvested was 74 million acres and was the largest corn crop since 1985. The tremendous growth in the area planted for corn and wheat was offset moderately, however, by a 15.2 percent decrease in area planted for cotton.<sup>7</sup>

Off-Highway construction and other uses were up 3.4 percent in 1996 to 2.2 billion gallons, primarily because new private construction increased 4.3 percent.<sup>8</sup> Any government use of fuel for construction is categorized under military or commercial end-use.

Oil company use was up 6.4 percent in 1996 due to an increase in drilling activities in the United States. The number of rotary rigs in operation increased by 7.8 percent in 1996, and the total footage drilled also climbed 22.5 percent.<sup>9</sup> This growth resulted from the 26.3 percent increase in the price of crude oil in 1996 which motivated oil companies to increase their exploration and development expenditures.

Electric Utility sales increased 10.1 percent in 1996 to 658 million gallons, an increase of 60 million gallons. This increase was the result of a 3.3 percent increase in heating degree days and an increase in weather volatility over 1995.<sup>10</sup> The severely cold weather during the initial few months of 1996 increased energy consumption and the demand for peak use diesel fired generation units. Historically, there is little demand for distillate fuel oil in warm or normal weather conditions.

Military distillate use dropped 1.6 percent in 1996 to 454 million gallons due to a decline in military activity and the expanded use of JP-8 fuel. JP-8 is a kerosene based jet fuel currently being used as a substitute for diesel in many military vehicles. By using this one standard fuel in all of its equipment, the military will vastly improve logistical efficiency, reliability, and mobility. Military distillate use should continue to dimin-

<sup>1</sup>Monthly Energy Review (MER), June 1997, Table 1.7, p.13.

<sup>2</sup>Distillate Fuel Oil Assessment for Winter 1996-1997, Graig H. Cranston, EIA, p.7.

<sup>3</sup>Monthly Energy Review (MER), June 1997, Table 2.3, p.27.

<sup>4</sup>Economic Indicators, May 1997, Washington D.C. US Government Printing Office, p.17.

<sup>5</sup>Acres planted figures come from the Annual Crop Summary, Agricultural Statistics Board, NASS, USDA, June 1996.

<sup>6</sup>Ibid.

<sup>7</sup>Ibid.

<sup>8</sup>Economic Indicators, May 1997, Washington D.C. US Government Printing Office, p.19.

<sup>9</sup>Monthly Energy Review (MER), August 1996, Table 5.1, p.82.

<sup>10</sup>Short-Term Energy Outlook, Third Quarter 1997, p.22.

ish as the military pursues this transition toward a single fuel force employing the more stable and reliable JP-8 fuel.

## Residual Fuel Oil

In 1996, residual fuel oil sales in the United States increased for the first year since 1988. Residual fuel oil sales went from 12.3 billion gallons in 1995 to 13.3 billion gallons in 1996. This 7.7 percent increase was driven by a 31.9 percent increase in electric utility sales.

Vessel bunkering maintained its dominance by securing 43.0 percent of the residual fuel market, in spite of a decline in sales of 3.0 percent. PAD District V had the most substantial effect on this decrease with a loss of 14.4 percent in 1996. This decrease was due to a notable increase in exports to Asia where poor availability of residual fuel oil stimulated demand. While PAD District V witnessed a decrease in sales, more competitive prices spurred sales upwards slightly in PAD Districts I, II, and III. Throughout the majority of 1996, the U.S. Gulf maintained a favorable price advantage over Rotterdam compared to 1995 and this promoted the increase in sales. Overall, the decrease in sales of residual fuel oil was influenced by the unusually high demand for residual fuel in the utility market. Despite the decline in vessel bunkering sales, total residual fuel oil sales were propelled upwards by this increase in electric utility sales.

Electric utility sales accounted for 32.4 percent of all residual fuel oil sales, up from the 26.5 percent market share in 1995. Sales escalated by 1.0 billion gallons last year, rising from only 3.3 billion gallons in 1995 to 4.3 billion gallons in 1996. Three principle factors account for this dramatic shift upwards in sales. First, the harsh cold weather in the Northeast and Mississippi during the first quarter of 1996 elevated electric utility demand for residual fuel oil. When unusually cold weather struck Mississippi and froze gas pipes, some utilities had to increase their reliance on residual fuel oil. Then, Northeast Nuclear Energy was forced to shutdown its three Millstone plants in March of 1996 and their Connecticut Yankee plant in July because of safety violations. This substantial drop in nuclear power plants stirred demand for residual fuel oil. In Connecticut, residual fuel oil sales climbed 328 million gallons over 1995. Lastly, through November and December of 1996 natural gas prices rose 68 percent and competitive pricing of residual fuel oil encouraged electric utilities to use more residual fuel oil.<sup>11</sup>

<sup>11</sup> *Natural Gas Monthly*, July 1997, Table 4., p.12.

Industrial remained the third largest end use category for residual fuel oil sales of 2.1 billion gallons in 1996. Industrial use increased by 112 million gallons, a gradual increase of 5.7 percent. General increased demand for industrial goods had a direct effect on the increase. Like electric utility sales, this increase was also due in part to the low price of residual fuel oil compared to natural gas toward the end of 1996. Furthermore, as the year progressed and natural gas supplies decreased, companies with interruptible contracts were forced to switch to residual fuel oil.

Commercial use of residual fuel oil increased .57 percent in 1996 to 928 million gallons. Increased demand for heating in 1996 was the key reason for the increase. Although the number of apartment buildings and commercial facilities heated with residual fuel oil is declining, the cold weather increased overall demand.

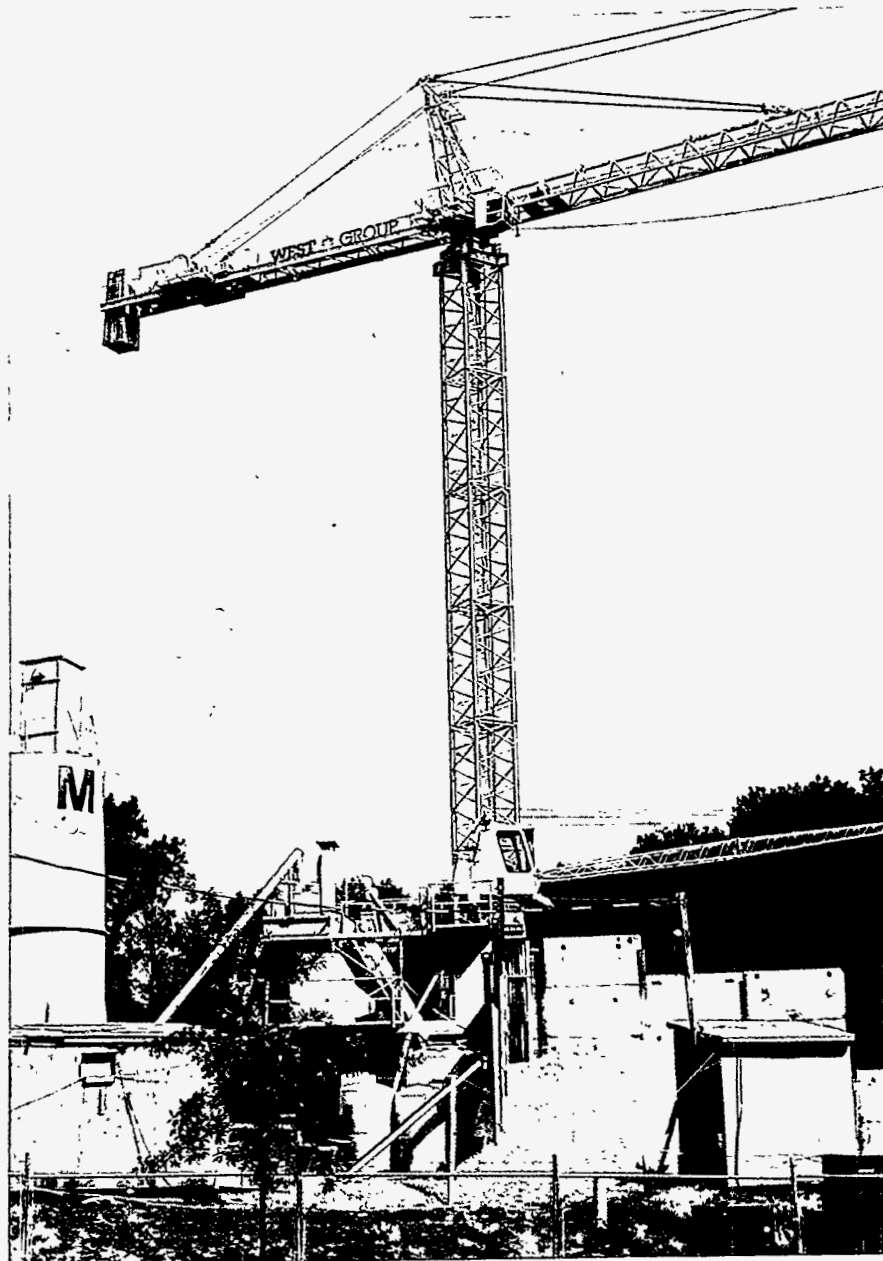
Oil company use of residual fuel continued its decline in 1996 by dropping 20.8 percent from 211 million to 167 million gallons. As refineries adopt new technologies which reduce the amount of residual fuel produced, oil companies will continue to use less residual fuel oil for operations. The unusually high demand for residual fuel oil by utilities also contributed to the decrease.

Military use of residual fuel oil increased 10.5 percent in 1996 to 56 million gallons, an increase of 5 million gallons. The greatest increases occurred in Texas and Hawaii as the military replenished residual fuel stock levels in those states.

## Kerosene

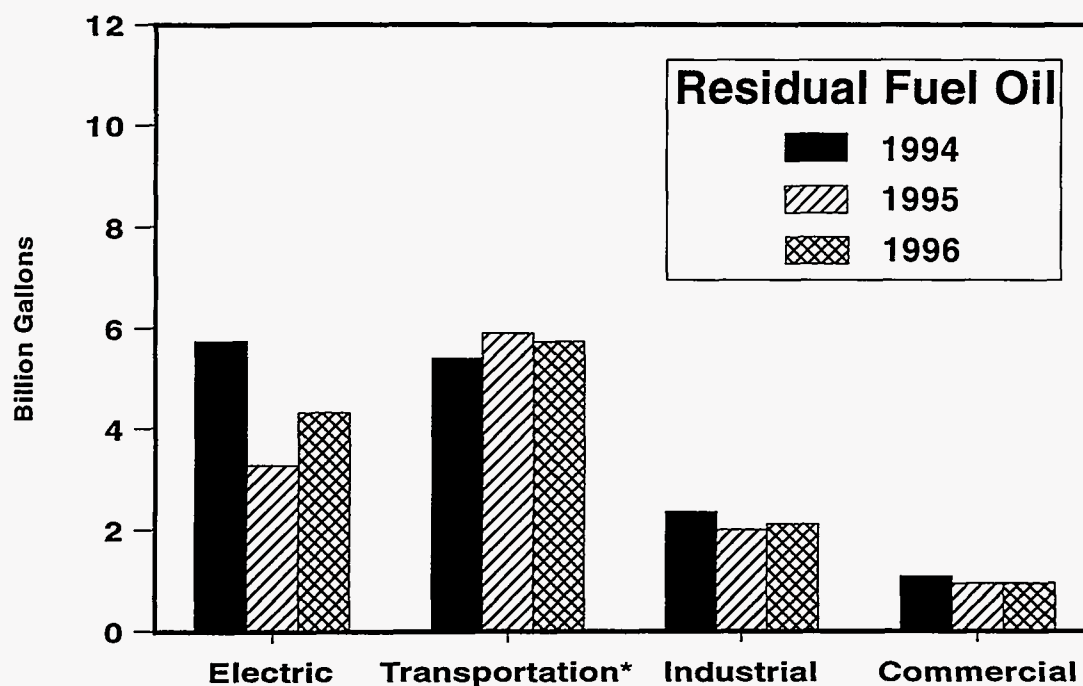
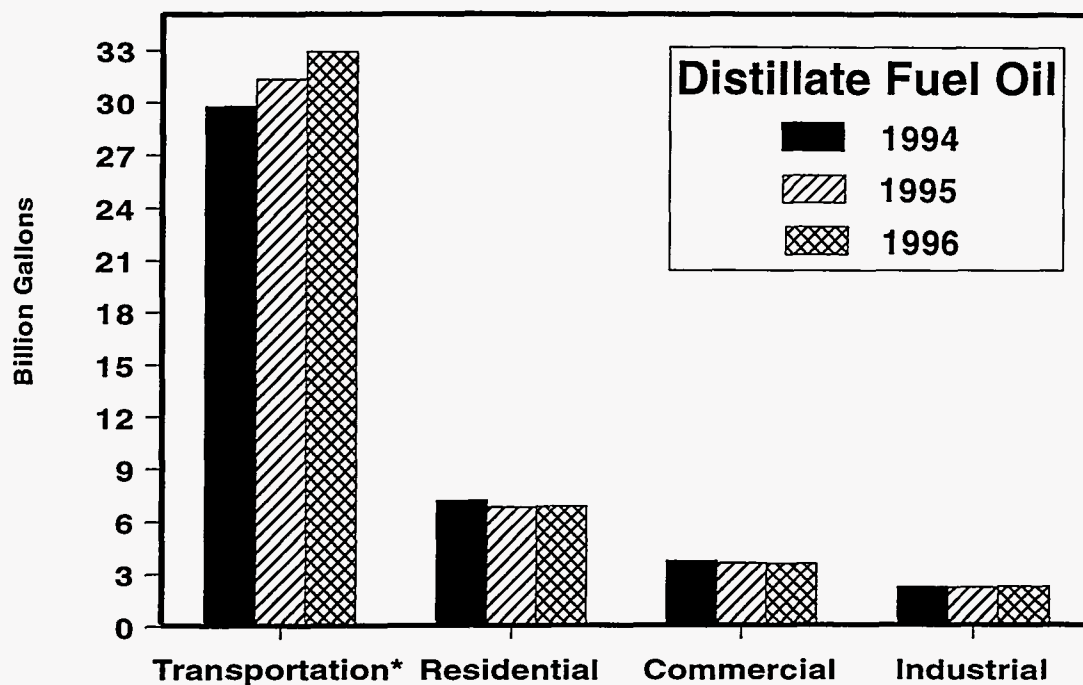
Total U.S. kerosene sales increased 14.6 percent in 1996. Increases were observed in the residential, industrial, and farm use sectors. Residences continued to use the majority of kerosene, with 69.3 percent of all kerosene sales. At 658 million gallons, residential use increased 19.5 percent in 1996, primarily due to weather conditions throughout PAD District I. PAD District I dominated the residential sector with 80.7 percent of all residential kerosene sales and experienced a 20.4 percent increase in 1996. The greatest impact on the increase in kerosene sales, however, was experienced by the farm use sector. Kerosene sales for farm use increased 30.6 percent in 1996.





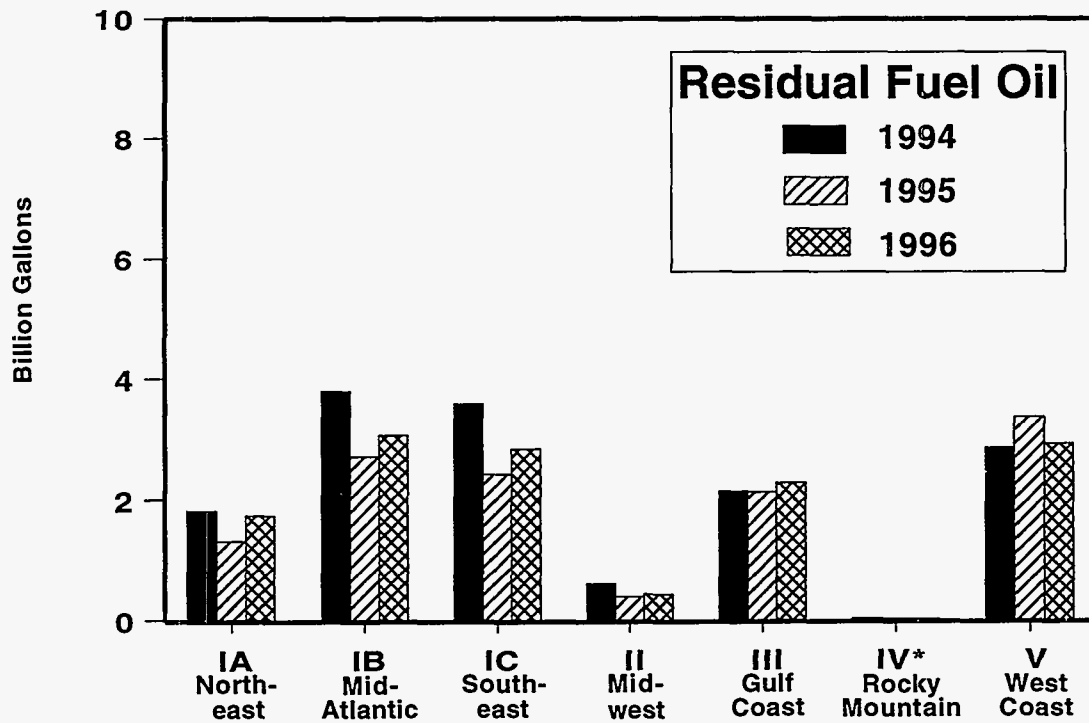
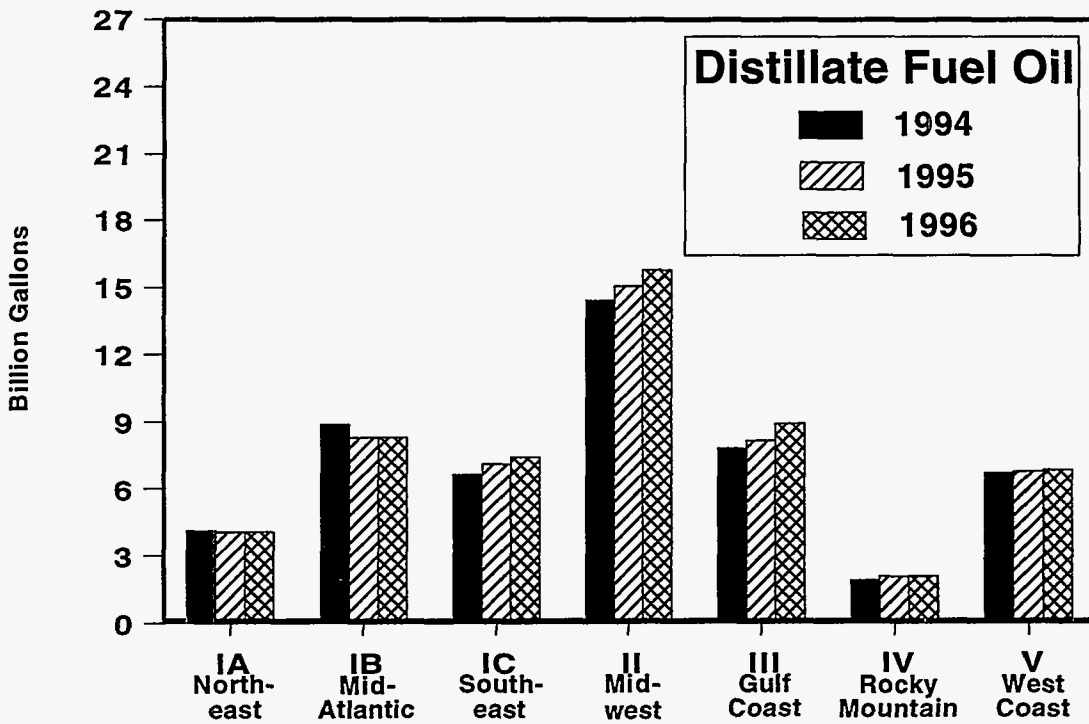
*Distillate sales for construction and road building are classified as off-highway use.*

Figure HL1. U.S. Sales of Distillate and Residual Fuel Oils by End Use, 1994-1996



\*For distillate fuel oil, transportation use comprises railroad, vessel bunkering, and on-highway diesel end-use categories. For residual fuel oil, transportation use comprises the vessel bunkering end-use category.  
 Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 1995 and 1996.

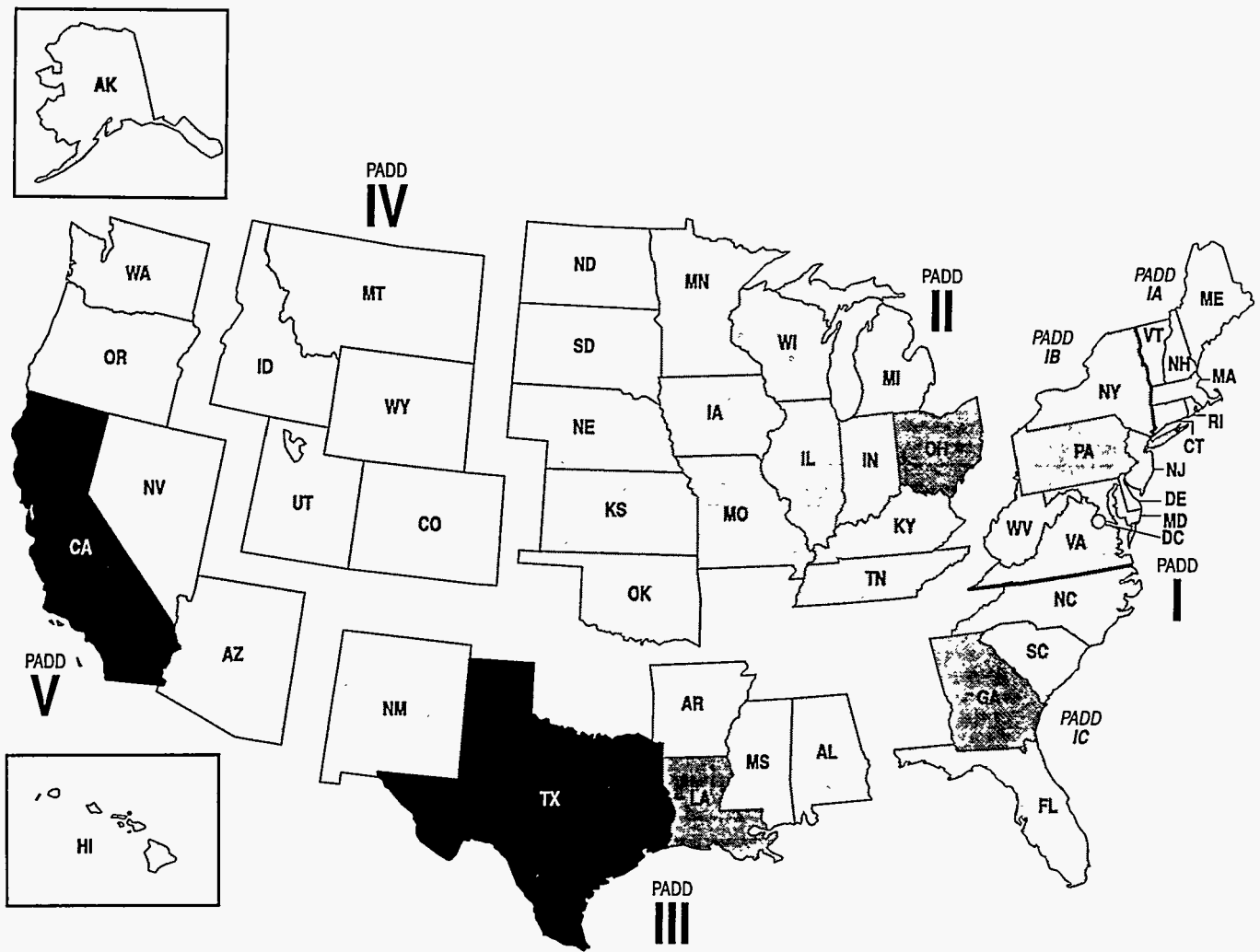
Figure HL2. Volume Distribution of Distillate and Residual Fuel Oils by PAD District, 1994-1996



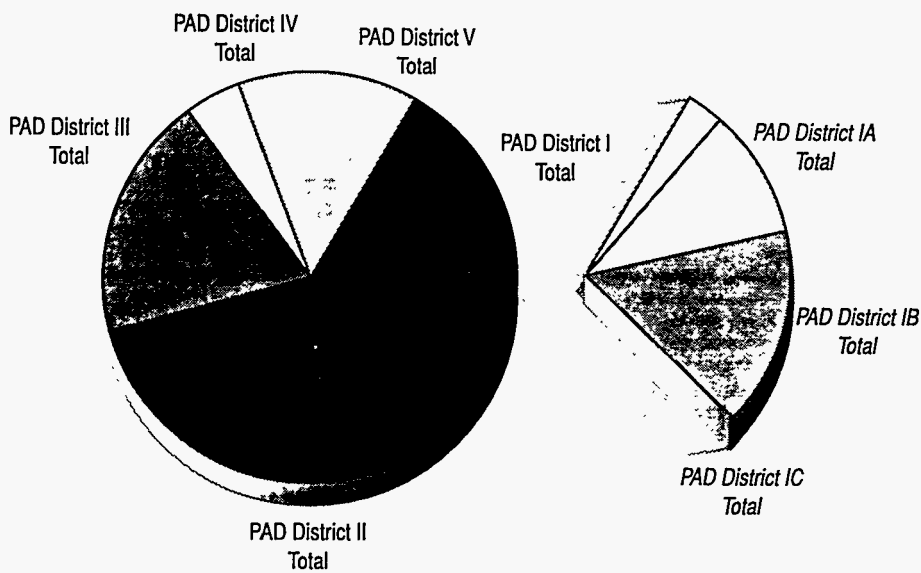
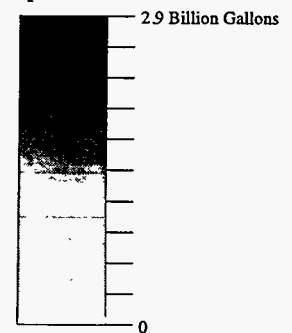
\*Residual fuel oil sales in PAD District IV are too small to appear in this graph.

Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 1995 and 1996.

**Figure HL3. Distillate Sales for Transportation End-Use by PAD District and State, 1996**

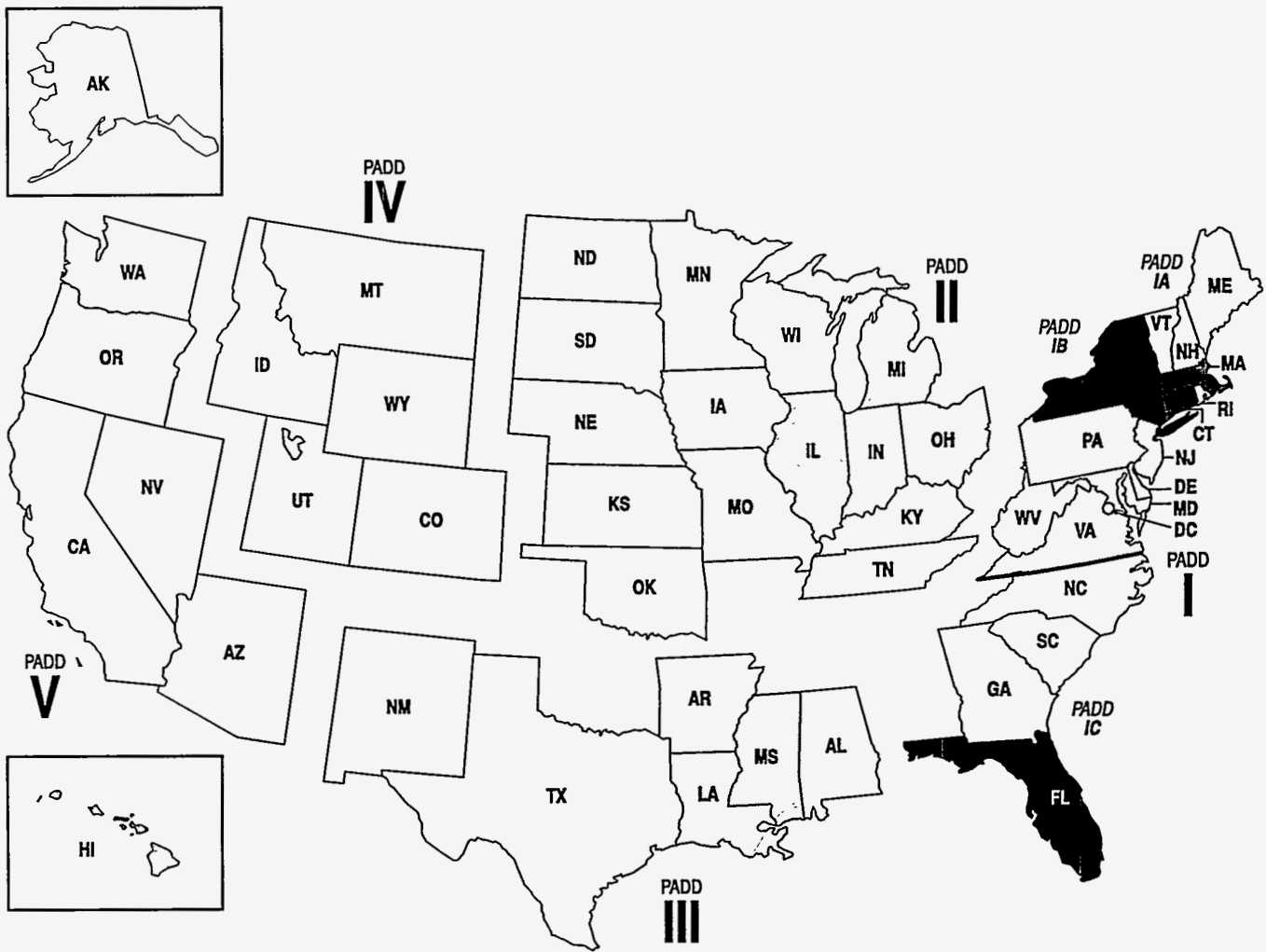


*Shading Represents State Sales*

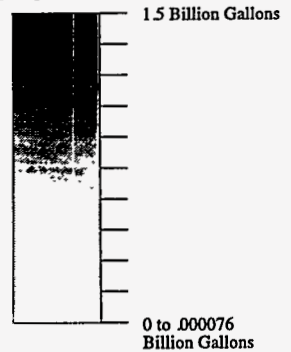


Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 1996.

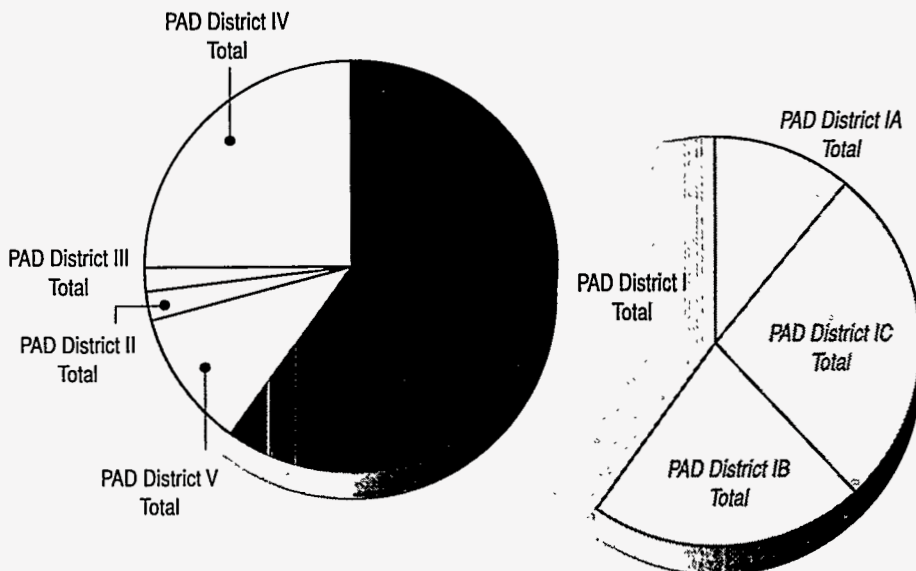
**Figure HL4. Residual Fuel Oil Sales for Electric Utility End-Use by PAD District and State, 1996**



Shading Represents State Sales



Residual fuel oil sales for some states are too small to appear in this graph.



Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 1996.

**Table 1. Sales of Distillate Fuel Oil by End Use in the United States: 1992-1996**  
(Thousand Gallons)

End Use	Distillate Fuel Oil				
	1992	1993	1994	1995	1996
U.S. Total .....	47,261,552	48,290,076	50,423,596	51,469,264	53,379,033
Residential .....	7,291,444	7,287,196	7,232,733	6,859,786	6,910,018
Commercial .....	3,771,021	3,689,509	3,774,929	3,630,856	3,603,620
Industrial .....	2,312,146	2,130,358	2,269,007	2,238,873	2,288,689
Oil Company .....	664,408	709,404	675,228	686,750	730,676
Farm .....	3,499,518	3,410,827	3,270,227	3,476,472	3,591,383
Electric Utility .....	540,683	550,752	663,814	597,461	657,881
Railroad .....	3,172,724	3,000,104	3,141,324	3,428,829	3,446,939
Vessel Bunkering .....	2,218,592	2,154,757	2,189,346	2,339,010	2,490,793
On-Highway Diesel .....	21,374,872	22,758,842	24,442,609	25,576,433	26,958,668
Military .....	652,507	491,320	610,474	461,740	454,443
Off-Highway Diesel .....	1,757,788	2,104,299	2,153,153	2,173,054	2,245,922
All Other .....	5,848	2,709	752	-	-

Dashes (-) = No data reported.

Note: 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 1992-1996.

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



*Sales to school buses and apartment buildings are considered commercial use.*

**Table 2. Sales of Residual Fuel Oil by End Use in the United States: 1992-1996**  
(Thousand Gallons)

End Use	Residual Fuel Oil				
	1992	1993	1994	1995	1996
U.S. Total .....	16,199,042	15,064,305	14,825,378	12,318,128	13,256,998
Commercial .....	1,176,049	1,025,895	1,061,450	922,572	927,834
Industrial .....	2,126,857	2,378,191	2,337,188	1,977,567	2,089,436
Oil Company .....	271,070	266,518	242,754	211,450	167,425
Electric Utility .....	5,961,441	6,035,413	5,729,485	3,262,492	4,304,492
Vessel Bunkering .....	6,563,220	5,281,869	5,386,407	5,886,409	5,701,233
Military .....	91,791	72,540	61,946	50,902	56,225
All Other .....	8,613	3,878	6,111	6,735	10,354

Note: 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 1992-1996.

**Table 3. Sales of Kerosene by End Use in the United States: 1992-1996**  
(Thousand Gallons)

End Use	Kerosene				
	1992	1993	1994	1995	1996
U.S. Total .....	636,426	760,788	750,330	828,450	948,990
Residential .....	481,511	560,103	480,916	550,336	657,636
Commercial .....	82,398	103,996	144,142	163,716	155,792
Industrial .....	46,099	58,190	86,629	86,902	102,322
Farm .....	20,036	27,695	27,686	19,919	26,017
All Other .....	6,382	10,805	10,957	7,576	7,223

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

Note: Kerosene data in the Sales tables (1-12) are adjusted at the national level. See Technical Note 3 for further explanation.

Sources: • Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1992-1996, (DOE/EIA-0340(92)/1 - (96)/1).

**Table 4. Sales of Distillate Fuel Oil by End Use, 1995 and 1996**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>6,859,786</b>	<b>6,910,018</b>	<b>3,630,856</b>	<b>3,603,620</b>	<b>2,238,873</b>	<b>2,288,689</b>
<b>PAD District I Total</b> .....	<b>5,675,138</b>	<b>5,721,287</b>	<b>2,421,064</b>	<b>2,430,182</b>	<b>759,001</b>	<b>760,880</b>
<b>Subdistrict IA Total</b> .....	<b>2,228,279</b>	<b>2,156,102</b>	<b>633,406</b>	<b>606,041</b>	<b>103,547</b>	<b>97,688</b>
Connecticut .....	553,290	573,873	133,258	128,589	21,671	22,685
Maine .....	336,839	328,133	100,905	105,342	27,799	27,455
Massachusetts .....	886,113	798,127	286,118	245,020	31,043	24,534
New Hampshire .....	196,452	201,806	49,849	57,387	9,313	6,720
Rhode Island .....	153,064	151,241	32,722	35,127	7,726	9,475
Vermont .....	102,521	102,922	30,554	34,575	5,994	6,820
<b>Subdistrict IB Total</b> .....	<b>2,971,469</b>	<b>3,056,516</b>	<b>1,312,577</b>	<b>1,357,941</b>	<b>238,616</b>	<b>236,870</b>
Delaware .....	49,155	47,433	12,433	16,638	6,990	8,352
District of Columbia .....	12,558	13,134	36,647	41,774	188	457
Maryland .....	217,407	252,604	136,795	142,124	26,964	37,714
New Jersey .....	531,291	528,956	153,122	214,902	52,217	44,142
New York .....	1,264,185	1,314,434	693,853	675,093	56,235	49,221
Pennsylvania .....	896,873	899,955	279,727	267,409	96,023	96,984
<b>Subdistrict IC Total</b> .....	<b>475,390</b>	<b>508,669</b>	<b>475,081</b>	<b>466,200</b>	<b>416,838</b>	<b>426,322</b>
Florida .....	10,061	9,263	130,013	92,167	64,619	47,355
Georgia .....	7,244	6,557	64,164	50,243	42,539	61,682
North Carolina .....	177,670	185,044	103,565	122,749	79,258	88,908
South Carolina .....	30,549	30,944	44,260	41,888	27,022	27,694
Virginia .....	227,959	250,809	117,323	147,697	74,907	79,727
West Virginia .....	21,908	26,053	15,757	11,456	128,494	120,956
<b>PAD District II Total</b> .....	<b>897,664</b>	<b>903,197</b>	<b>576,995</b>	<b>576,601</b>	<b>639,882</b>	<b>662,986</b>
Illinois .....	33,607	32,425	82,596	79,018	57,909	53,891
Indiana .....	65,186	62,906	48,748	41,931	65,886	71,424
Iowa .....	34,481	33,645	18,330	15,483	15,857	21,014
Kansas .....	631	755	24,837	24,085	9,564	10,816
Kentucky .....	31,914	28,792	49,179	51,855	190,269	187,129
Michigan .....	168,476	167,724	72,333	76,763	40,418	44,156
Minnesota .....	136,254	150,007	38,052	44,055	43,585	39,696
Missouri .....	19,273	14,364	52,563	56,897	26,248	34,483
Nebraska .....	3,888	4,917	7,138	10,015	3,941	4,199
North Dakota .....	31,656	35,548	6,534	9,062	10,442	6,819
Ohio .....	176,580	164,172	75,471	58,032	81,341	74,546
Oklahoma .....	480	1,012	11,923	16,643	5,773	9,080
South Dakota .....	22,137	27,085	13,290	10,895	8,224	9,850
Tennessee .....	11,489	11,676	32,617	39,366	31,782	40,766
Wisconsin .....	161,614	168,168	43,384	42,502	48,642	55,119
<b>PAD District III Total</b> .....	<b>1,037</b>	<b>656</b>	<b>195,721</b>	<b>184,027</b>	<b>289,688</b>	<b>290,841</b>
Alabama .....	461	437	28,439	24,166	62,143	62,302
Arkansas .....	90	39	13,296	12,637	15,079	11,304
Louisiana .....	62	28	11,366	5,842	17,883	24,524
Mississippi .....	22	27	14,039	17,268	24,803	25,994
New Mexico .....	127	122	10,691	7,639	25,375	30,167
Texas .....	275	3	117,890	116,474	144,405	136,549
<b>PAD District IV Total</b> .....	<b>35,858</b>	<b>37,495</b>	<b>81,436</b>	<b>89,290</b>	<b>137,194</b>	<b>134,538</b>
Colorado .....	1,540	1,941	31,030	31,834	17,342	14,665
Idaho .....	19,431	16,978	17,305	19,758	28,126	23,027
Montana .....	9,608	14,144	4,501	9,941	26,415	18,679
Utah .....	3,187	3,238	16,881	16,272	18,995	20,511
Wyoming .....	2,092	1,194	11,720	11,485	46,316	57,657
<b>PAD District V Total</b> .....	<b>250,088</b>	<b>247,383</b>	<b>355,640</b>	<b>323,520</b>	<b>413,108</b>	<b>439,445</b>
Alaska .....	89,404	83,778	45,694	51,333	49,480	61,990
Arizona .....	255	419	15,647	25,715	89,912	110,277
California .....	7,735	6,423	139,723	111,251	79,050	57,337
Hawaii .....	79	10	15,162	9,723	3,234	3,834
Nevada .....	7,772	8,621	36,723	42,911	133,688	146,846
Oregon .....	56,363	52,404	46,877	39,596	27,564	35,516
Washington .....	88,480	95,728	55,812	42,990	30,181	23,645

See footnotes at end of table.



**Table 4. Sales of Distillate Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Utility	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>686,750</b>	<b>730,676</b>	<b>3,476,472</b>	<b>3,591,383</b>	<b>597,461</b>	<b>657,881</b>
<b>PAD District I Total</b> .....	<b>10,363</b>	<b>9,932</b>	<b>397,145</b>	<b>409,674</b>	<b>257,997</b>	<b>272,879</b>
<b>Subdistrict IA Total</b> .....	<b>1,423</b>	<b>558</b>	<b>17,465</b>	<b>16,587</b>	<b>21,866</b>	<b>20,018</b>
Connecticut .....	389	235	5,469	2,659	2,858	1,663
Maine .....	87	—	3,810	3,797	1,051	845
Massachusetts .....	480	229	2,241	4,148	11,366	12,099
New Hampshire .....	—	—	985	926	1,204	1,609
Rhode Island .....	444	91	54	100	5,054	3,741
Vermont .....	22	2	4,906	4,957	333	62
<b>Subdistrict IB Total</b> .....	<b>3,623</b>	<b>4,445</b>	<b>104,672</b>	<b>108,154</b>	<b>112,865</b>	<b>106,046</b>
Delaware .....	305	769	3,209	5,647	3,118	8,016
District of Columbia .....	—	—	—	—	23,567	16,587
Maryland .....	616	134	26,787	26,691	27,029	23,278
New Jersey .....	931	1,522	7,108	7,300	3,895	4,974
New York .....	1,255	1,017	34,203	33,839	9,203	14,299
Pennsylvania .....	515	1,003	33,367	34,676	46,054	38,891
<b>Subdistrict IC Total</b> .....	<b>5,317</b>	<b>4,930</b>	<b>275,007</b>	<b>284,933</b>	<b>123,266</b>	<b>146,815</b>
Florida .....	1,155	560	68,083	76,350	53,446	67,739
Georgia .....	1,366	1,280	101,034	102,239	16,270	26,214
North Carolina .....	140	115	44,385	34,423	22,352	22,454
South Carolina .....	1	416	16,690	24,414	12,743	8,364
Virginia .....	1,983	1,226	40,687	43,275	7,231	9,831
West Virginia .....	672	1,333	4,129	4,232	11,225	12,213
<b>PAD District II Total</b> .....	<b>47,290</b>	<b>49,821</b>	<b>1,725,632</b>	<b>1,696,468</b>	<b>135,966</b>	<b>158,398</b>
Illinois .....	2,444	1,364	221,678	207,442	25,667	29,294
Indiana .....	2,211	2,843	110,926	94,802	16,839	17,663
Iowa .....	6	10	181,808	208,617	2,183	2,357
Kansas .....	5,012	4,967	166,519	165,362	2,647	6,028
Kentucky .....	585	306	39,165	32,554	9,035	8,708
Michigan .....	2,203	2,017	60,078	64,427	23,238	24,541
Minnesota .....	88	—	173,945	182,324	4,906	9,470
Missouri .....	55	40	60,615	59,398	6,293	5,102
Nebraska .....	774	628	186,677	177,287	1,594	1,451
North Dakota .....	6,208	8,449	108,785	105,271	3,945	5,293
Ohio .....	2,172	1,159	101,864	94,195	21,569	21,594
Oklahoma .....	25,412	27,858	73,958	77,087	885	389
South Dakota .....	29	79	80,066	80,785	278	1,193
Tennessee .....	108	100	65,524	58,642	9,825	17,297
Wisconsin .....	2	2	94,022	88,273	7,062	8,017
<b>PAD District III Total</b> .....	<b>547,164</b>	<b>570,782</b>	<b>742,083</b>	<b>842,036</b>	<b>45,745</b>	<b>62,717</b>
Alabama .....	9,429	9,902	50,169	37,780	8,180	12,298
Arkansas .....	1,349	1,672	123,348	107,664	9,954	5,412
Louisiana .....	329,392	339,031	70,393	62,143	8,578	18,006
Mississippi .....	2,458	1,329	105,755	95,195	1,539	4,265
New Mexico .....	23,829	19,861	17,064	17,685	1,192	1,500
Texas .....	180,706	198,986	375,353	521,569	16,302	21,236
<b>PAD District IV Total</b> .....	<b>24,161</b>	<b>25,986</b>	<b>188,770</b>	<b>204,954</b>	<b>5,122</b>	<b>6,066</b>
Colorado .....	9,075	7,742	55,982	68,033	661	858
Idaho .....	—	2	48,785	46,361	350	333
Montana .....	1,201	1,418	58,017	64,996	38	63
Utah .....	3,513	4,268	14,228	14,700	1,691	2,149
Wyoming .....	10,373	12,557	11,759	10,864	2,383	2,663
<b>PAD District V Total</b> .....	<b>57,772</b>	<b>74,155</b>	<b>422,842</b>	<b>438,252</b>	<b>152,631</b>	<b>157,822</b>
Alaska .....	46,571	66,990	158	2	35,713	37,660
Arizona .....	267	100	28,950	27,380	2,370	2,497
California .....	9,717	5,093	256,297	289,264	4,289	4,107
Hawaii .....	997	664	6,440	8,462	108,713	108,863
Nevada .....	74	505	4,397	6,472	501	1,792
Oregon .....	5	51	60,973	39,673	825	825
Washington .....	141	752	65,627	66,999	220	2,078

See footnotes at end of table.

**Table 4. Sales of Distillate Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>3,428,829</b>	<b>3,446,939</b>	<b>2,339,010</b>	<b>2,490,793</b>	<b>25,576,433</b>	<b>26,958,668</b>
<b>PAD District I Total</b> .....	<b>561,677</b>	<b>579,618</b>	<b>541,806</b>	<b>523,630</b>	<b>8,099,324</b>	<b>8,372,128</b>
<b>Subdistrict IA Total</b> .....	<b>29,655</b>	<b>25,354</b>	<b>80,833</b>	<b>73,340</b>	<b>837,751</b>	<b>858,402</b>
Connecticut .....	6,788	6,338	3,358	2,521	199,252	<sup>E</sup> 208,249
Maine .....	6,792	5,852	19,632	12,726	129,755	135,339
Massachusetts .....	15,170	12,372	47,798	47,198	315,292	313,984
New Hampshire .....	305	152	332	752	63,113	60,949
Rhode Island .....	19	97	9,253	9,669	44,142	44,378
Vermont .....	581	542	461	475	86,197	95,503
<b>Subdistrict IB Total</b> .....	<b>195,481</b>	<b>146,456</b>	<b>159,573</b>	<b>140,785</b>	<b>3,007,852</b>	<b>3,063,474</b>
Delaware .....	463	423	1,353	6,507	62,912	59,290
District of Columbia .....	5,751	6,283	13	2	21,205	20,949
Maryland .....	28,245	28,932	20,852	20,645	323,559	355,412
New Jersey .....	78,277	65,054	108,512	82,680	488,531	532,936
New York .....	11,578	7,180	11,865	14,157	915,846	924,782
Pennsylvania .....	71,167	38,584	16,978	16,793	1,195,799	1,170,105
<b>Subdistrict IC Total</b> .....	<b>336,541</b>	<b>407,808</b>	<b>301,400</b>	<b>309,504</b>	<b>4,253,721</b>	<b>4,450,252</b>
Florida .....	94,200	106,030	167,123	169,329	1,003,655	<sup>E</sup> 962,504
Georgia .....	71,536	78,361	15,348	10,605	1,107,982	1,345,755
North Carolina .....	75,483	74,266	18,142	19,715	774,747	794,837
South Carolina .....	7,187	11,397	4,078	11,093	460,194	458,312
Virginia .....	73,546	131,296	31,318	26,610	688,044	757,666
West Virginia .....	14,591	6,458	65,391	72,152	219,099	131,178
<b>PAD District II Total</b> .....	<b>1,427,588</b>	<b>1,440,730</b>	<b>415,963</b>	<b>486,978</b>	<b>8,572,145</b>	<b>9,125,173</b>
Illinois .....	177,790	204,872	49,141	47,864	<sup>E</sup> 845,546	884,696
Indiana .....	141,093	130,281	15,369	17,278	976,069	1,036,200
Iowa .....	58,777	67,532	6,358	7,153	409,958	458,660
Kansas .....	215,698	124,233	—	—	343,175	352,872
Kentucky .....	113,285	106,426	146,352	149,299	581,148	587,549
Michigan .....	60,488	44,511	3,672	4,850	735,953	772,262
Minnesota .....	111,512	73,042	5,162	4,933	453,926	482,131
Missouri .....	20,728	23,245	86,383	166,736	737,909	767,383
Nebraska .....	108,815	169,069	—	50	312,127	336,764
North Dakota .....	44,827	47,410	—	—	131,234	135,043
Ohio .....	127,304	137,926	7,553	8,619	1,100,569	1,275,402
Oklahoma .....	97,374	155,215	512	150	496,860	541,337
South Dakota .....	4,662	1,996	—	—	135,905	141,728
Tennessee .....	92,764	98,703	92,313	77,901	728,024	754,982
Wisconsin .....	52,470	56,267	3,148	2,146	583,742	598,164
<b>PAD District III Total</b> .....	<b>666,829</b>	<b>653,208</b>	<b>950,382</b>	<b>1,115,468</b>	<b>4,089,230</b>	<b>4,522,044</b>
Alabama .....	52,669	52,942	62,981	65,703	691,273	646,567
Arkansas .....	62,499	67,559	3,107	3,334	488,499	495,380
Louisiana .....	22,647	28,011	564,367	717,578	481,346	508,414
Mississippi .....	28,351	24,897	25,381	27,191	374,214	400,100
New Mexico .....	18,263	22,442	—	—	107,055	314,590
Texas .....	482,400	457,357	294,546	301,661	1,946,843	2,156,993
<b>PAD District IV Total</b> .....	<b>341,923</b>	<b>346,232</b>	<b>55</b>	<b>260</b>	<b>1,117,000</b>	<b>1,094,512</b>
Colorado .....	104,913	100,324	—	—	276,585	273,207
Idaho .....	29,506	29,101	33	241	167,819	187,828
Montana .....	79,246	71,530	4	3	158,451	140,625
Utah .....	31,626	40,899	18	16	258,135	255,192
Wyoming .....	96,633	104,379	—	—	256,010	237,660
<b>PAD District V Total</b> .....	<b>430,811</b>	<b>427,151</b>	<b>430,804</b>	<b>364,457</b>	<b>3,698,734</b>	<b>3,844,811</b>
Alaska .....	4,438	4,495	147,529	143,756	109,740	34,918
Arizona .....	4,615	3,745	20	17	483,186	543,643
California .....	236,401	252,463	104,067	100,226	2,089,687	2,115,704
Hawaii .....	—	—	82,814	23,722	27,080	40,447
Nevada .....	15,847	8,284	—	—	<sup>E</sup> 172,332	<sup>E</sup> 244,609
Oregon .....	92,627	83,034	22,019	23,627	<sup>E</sup> 353,384	386,239
Washington .....	76,883	75,129	74,355	73,109	463,325	479,251

See footnotes at end of table.

**Table 4. Sales of Distillate Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Military		Off-Highway		All Other		Total	
	1995	1996	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>461,740</b>	<b>454,443</b>	<b>2,173,054</b>	<b>2,245,922</b>	-	-	<b>51,469,264</b>	<b>53,379,033</b>
<b>PAD District I Total</b> .....	<b>98,681</b>	<b>81,726</b>	<b>609,920</b>	<b>624,949</b>	-	-	<b>19,432,116</b>	<b>19,786,887</b>
<b>Subdistrict IA Total</b> .....	<b>19,724</b>	<b>11,281</b>	<b>70,646</b>	<b>75,466</b>	-	-	<b>4,044,594</b>	<b>3,940,837</b>
Connecticut .....	660	3,945	10,101	9,660	-	-	937,093	960,417
Maine .....	2,725	3,599	21,355	26,799	-	-	650,750	649,888
Massachusetts .....	9,524	1,459	22,667	24,077	-	-	1,627,812	1,483,248
New Hampshire .....	1,291	54	8,825	9,450	-	-	331,669	339,803
Rhode Island .....	5,253	1,933	4,148	3,092	-	-	261,880	258,943
Vermont .....	270	291	3,550	2,389	-	-	235,390	248,538
<b>Subdistrict IB Total</b> .....	<b>25,405</b>	<b>37,931</b>	<b>163,188</b>	<b>173,025</b>	-	-	<b>8,295,323</b>	<b>8,431,642</b>
Delaware .....	1,200	1,355	4,471	7,117	-	-	145,608	161,547
District of Columbia .....	1,050	2,048	503	326	-	-	101,482	101,561
Maryland .....	13,521	18,370	22,366	24,887	-	-	844,141	930,794
New Jersey .....	814	1,972	27,829	30,784	-	-	1,452,526	1,515,222
New York .....	2,112	2,401	43,930	48,629	-	-	3,044,266	3,085,052
Pennsylvania .....	6,709	11,785	64,088	61,282	-	-	2,707,300	2,637,466
<b>Subdistrict IC Total</b> .....	<b>53,551</b>	<b>32,514</b>	<b>376,086</b>	<b>376,459</b>	-	-	<b>7,092,200</b>	<b>7,414,407</b>
Florida .....	12,034	7,412	121,943	121,285	-	-	1,726,331	1,659,994
Georgia .....	10,834	3,037	75,427	73,161	-	-	1,513,743	1,759,135
North Carolina .....	8,512	3,946	81,136	66,580	-	-	1,385,389	1,413,037
South Carolina .....	1,250	1,981	40,370	39,822	-	-	644,343	656,326
Virginia .....	20,517	15,562	44,114	65,571	-	-	1,327,628	1,529,269
West Virginia .....	405	576	13,096	10,040	-	-	494,766	396,646
<b>PAD District II Total</b> .....	<b>16,026</b>	<b>22,269</b>	<b>599,047</b>	<b>649,150</b>	-	-	<b>15,054,198</b>	<b>15,771,771</b>
Illinois .....	424	1,428	64,471	71,593	-	-	1,561,274	1,613,887
Indiana .....	652	1,893	31,444	33,958	-	-	1,474,424	1,511,180
Iowa .....	199	228	51,230	41,918	-	-	779,188	856,619
Kansas .....	1,062	943	31,689	28,577	-	-	800,834	718,638
Kentucky .....	2,161	1,408	40,256	45,018	-	-	1,203,350	1,199,043
Michigan .....	352	1,627	49,973	58,458	-	-	1,217,182	1,261,334
Minnesota .....	259	683	48,768	60,955	-	-	1,016,437	1,047,298
Missouri .....	2,702	2,802	46,366	44,342	-	-	1,059,136	1,174,791
Nebraska .....	396	474	18,286	18,010	-	-	643,636	722,864
North Dakota .....	1,230	1,874	8,262	6,030	-	-	353,124	360,800
Ohio .....	858	771	73,489	73,893	-	-	1,768,769	1,910,309
Oklahoma .....	1,522	1,794	21,746	33,248	-	-	736,444	863,812
South Dakota .....	888	1,711	8,931	8,587	-	-	274,409	283,909
Tennessee .....	1,215	1,403	65,221	62,740	-	-	1,130,862	1,163,576
Wisconsin .....	2,108	3,230	38,914	61,824	-	-	1,035,109	1,083,712
<b>PAD District III Total</b> .....	<b>191,386</b>	<b>186,951</b>	<b>432,062</b>	<b>472,755</b>	-	-	<b>8,151,328</b>	<b>8,901,482</b>
Alabama .....	6,623	3,090	72,449	111,108	-	-	1,044,816	1,026,297
Arkansas .....	984	1,680	38,706	26,843	-	-	756,912	733,524
Louisiana .....	31,333	40,567	83,508	118,717	-	-	1,620,875	1,862,860
Mississippi .....	5,964	4,473	38,375	45,175	-	-	620,903	645,913
New Mexico .....	1,479	2,174	17,958	20,246	-	-	223,032	436,426
Texas .....	145,004	134,968	181,065	150,666	-	-	3,884,790	4,196,462
<b>PAD District IV Total</b> .....	<b>1,989</b>	<b>4,444</b>	<b>116,996</b>	<b>131,634</b>	-	-	<b>2,050,503</b>	<b>2,075,412</b>
Colorado .....	1,365	855	39,006	42,468	-	-	537,499	541,926
Idaho .....	76	517	23,105	24,896	-	-	334,535	349,041
Montana .....	331	207	15,198	26,568	-	-	353,010	348,174
Utah .....	201	2,846	24,326	19,652	-	-	372,800	379,742
Wyoming .....	14	20	15,360	18,051	-	-	452,660	456,529
<b>PAD District V Total</b> .....	<b>153,659</b>	<b>159,052</b>	<b>415,029</b>	<b>367,433</b>	-	-	<b>6,781,119</b>	<b>6,843,480</b>
Alaska .....	5,619	5,488	40,669	33,261	-	-	575,014	523,670
Arizona .....	996	1,078	39,407	38,988	-	-	665,626	753,859
California .....	128,743	94,422	170,093	164,053	-	-	3,225,802	3,200,343
Hawaii .....	8,583	19,617	13,545	7,699	-	-	266,648	223,041
Nevada .....	1,155	1,468	14,288	18,257	-	-	386,778	479,765
Oregon .....	1,210	2,353	68,502	35,739	-	-	730,347	699,057
Washington .....	7,354	34,626	68,525	69,437	-	-	930,904	963,745

<sup>E</sup> Estimated data. Florida's 1996 estimate is based on seven months of data. Nevada's 1996 estimate is based on eight months of data. Illinois' and Nevada's 1995 data are based on eleven months of data. Oregon's 1995 and Connecticut's 1996 data are a Federal Highway Administration estimate.

Dashes (-) = No data reported.

Note: 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 1995 and 1996.

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

**Table 5. Sales of Residual Fuel Oil by End Use, 1995 and 1996**

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Utility	
	1995	1996	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>922,572</b>	<b>927,834</b>	<b>1,977,567</b>	<b>2,089,436</b>	<b>211,450</b>	<b>167,425</b>	<b>3,262,492</b>	<b>4,304,492</b>
<b>PAD District I Total</b> .....	<b>896,305</b>	<b>892,897</b>	<b>1,440,632</b>	<b>1,595,527</b>	<b>101,087</b>	<b>101,783</b>	<b>2,757,058</b>	<b>3,657,186</b>
<b>Subdistrict IA Total</b> .....	<b>200,493</b>	<b>194,722</b>	<b>457,776</b>	<b>503,004</b>	<b>207</b>	<b>822</b>	<b>636,040</b>	<b>940,989</b>
Connecticut .....	18,333	19,327	30,061	40,733	207	243	91,312	419,126
Maine .....	15,139	21,593	302,153	328,008	-	-	57,674	60,487
Massachusetts .....	125,824	103,341	59,636	71,286	-	580	391,725	407,212
New Hampshire .....	17,864	19,010	44,753	40,680	-	-	93,992	54,164
Rhode Island .....	20,441	28,371	15,260	13,378	-	-	1,338	-
Vermont .....	2,892	3,081	5,912	8,919	-	-	-	-
<b>Subdistrict IB Total</b> .....	<b>672,123</b>	<b>671,825</b>	<b>271,859</b>	<b>334,383</b>	<b>100,249</b>	<b>100,576</b>	<b>963,580</b>	<b>1,166,608</b>
Delaware .....	5,368	9,410	28,800	39,056	35,541	23,018	76,774	68,711
District of Columbia .....	5,333	4,074	6	10	-	-	-	-
Maryland .....	4,881	4,572	29,235	57,229	630	653	84,940	76,380
New Jersey .....	50,735	54,474	75,461	68,261	2,463	2,341	83,618	143,806
New York .....	555,716	543,869	80,419	103,534	1,147	893	584,682	718,952
Pennsylvania .....	50,071	55,425	57,938	66,294	60,468	73,672	133,566	158,759
<b>Subdistrict IC Total</b> .....	<b>23,689</b>	<b>26,350</b>	<b>710,998</b>	<b>758,140</b>	<b>631</b>	<b>384</b>	<b>1,157,438</b>	<b>1,549,590</b>
Florida .....	5,649	4,198	201,259	158,621	60	78	1,126,980	1,502,436
Georgia .....	471	449	106,539	146,479	-	-	1,637	4,113
North Carolina .....	7,592	9,340	236,862	266,980	-	-	-	-
South Carolina .....	1,566	1,592	86,324	95,334	168	144	-	-
Virginia .....	8,412	10,770	71,957	75,935	402	162	28,821	43,041
West Virginia .....	-	-	8,057	14,792	-	-	-	-
<b>PAD District II Total</b> .....	<b>14,540</b>	<b>22,117</b>	<b>202,623</b>	<b>255,397</b>	<b>64,084</b>	<b>28,733</b>	<b>86,734</b>	<b>97,019</b>
Illinois .....	1,841	8,061	4,605	21,195	10,255	3,979	41,773	45,194
Indiana .....	1,301	577	34,947	43,439	29,284	-	3,574	-
Iowa .....	-	34	3,769	3,963	-	-	-	-
Kansas .....	483	76	752	5,637	-	-	-	-
Kentucky .....	-	7	3,540	6,647	4,709	3,681	-	-
Michigan .....	197	194	15,472	15,022	956	2,610	33,394	39,797
Minnesota .....	4,570	5,881	13,334	18,387	8,623	8,959	-	3,417
Missouri .....	42	240	13,085	13,120	-	-	6,818	8,004
Nebraska .....	25	-	4,925	7,114	-	-	-	-
North Dakota .....	775	247	2,593	5,504	3,349	-	-	5
Ohio .....	186	73	52,703	63,305	3,114	4,726	1,175	602
Oklahoma .....	11	-	13,490	10,994	-	-	-	-
South Dakota .....	100	-	460	1,700	-	-	-	-
Tennessee .....	582	1,178	14,001	7,566	178	113	-	-
Wisconsin .....	4,429	5,550	24,947	31,801	3,617	4,665	-	-
<b>PAD District III Total</b> .....	<b>108</b>	<b>59</b>	<b>155,920</b>	<b>168,522</b>	<b>192</b>	<b>-</b>	<b>463</b>	<b>79,902</b>
Alabama .....	108	24	20,653	29,974	-	-	-	-
Arkansas .....	-	9	8,362	4,915	-	-	-	4,849
Louisiana .....	-	26	15,659	31,670	-	-	435	5,675
Mississippi .....	-	-	3,303	4,778	-	-	27	69,336
New Mexico .....	-	-	7,323	8,239	-	-	-	-
Texas .....	-	-	100,619	88,946	192	-	-	43
<b>PAD District IV Total</b> .....	<b>848</b>	<b>865</b>	<b>10,055</b>	<b>3,659</b>	<b>11,779</b>	<b>7,488</b>	<b>311</b>	<b>-</b>
Colorado .....	-	-	7	168	-	-	-	-
Idaho .....	178	179	93	96	-	-	245	-
Montana .....	135	106	841	99	8,707	7,488	-	-
Utah .....	523	574	8,434	3,087	3,073	-	-	-
Wyoming .....	12	6	680	209	-	-	66	-
<b>PAD District V Total</b> .....	<b>10,770</b>	<b>11,896</b>	<b>168,338</b>	<b>66,332</b>	<b>34,309</b>	<b>29,421</b>	<b>417,927</b>	<b>470,384</b>
Alaska .....	-	-	15,377	16,456	-	-	-	-
Arizona .....	-	204	2,782	3,382	42	-	-	-
California .....	164	520	59,985	11,478	36	1,427	-	-
Hawaii .....	2,554	535	7,354	10,858	32,992	27,256	417,822	470,307
Nevada .....	-	-	44,324	5,368	40	114	-	-
Oregon .....	3,554	3,511	13,303	5,680	-	-	105	77
Washington .....	4,499	7,125	25,213	13,109	1,199	624	-	-

See footnotes at end of table.

**Table 5. Sales of Residual Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	1995	1996	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>5,886,409</b>	<b>5,701,233</b>	<b>50,902</b>	<b>56,225</b>	<b>6,735</b>	<b>10,354</b>	<b>12,318,128</b>	<b>13,256,998</b>
<b>PAD District I Total</b> .....	<b>1,189,352</b>	<b>1,336,126</b>	<b>39,976</b>	<b>39,403</b>	<b>4,578</b>	<b>7,653</b>	<b>6,428,987</b>	<b>7,630,574</b>
<b>Subdistrict IA Total</b> .....	<b>9,750</b>	<b>84,532</b>	<b>7,316</b>	<b>11,012</b>	<b>1,139</b>	<b>348</b>	<b>1,312,720</b>	<b>1,735,428</b>
Connecticut .....	-	174	470	1,352	679	-	141,062	480,955
Maine .....	3,768	2,019	4,589	6,556	328	348	383,650	419,010
Massachusetts .....	5,941	82,041	2,226	3,104	132	-	585,484	667,562
New Hampshire .....	-	209	-	-	-	-	156,609	114,063
Rhode Island .....	41	91	31	-	-	-	37,110	41,840
Vermont .....	-	-	-	-	-	-	8,804	11,999
<b>Subdistrict IB Total</b> .....	<b>681,807</b>	<b>774,069</b>	<b>19,128</b>	<b>13,767</b>	<b>6</b>	<b>-</b>	<b>2,708,752</b>	<b>3,061,228</b>
Delaware .....	40,462	84,114	1,769	792	6	-	188,740	225,102
District of Columbia .....	-	-	-	-	-	-	5,339	4,084
Maryland .....	28,594	25,512	9,579	6,611	-	-	157,859	170,957
New Jersey .....	327,291	251,288	2,692	4,213	-	-	542,260	524,381
New York .....	91,781	273,006	3,245	874	-	-	1,316,990	1,641,127
Pennsylvania .....	193,679	140,149	1,842	1,278	-	-	497,564	495,577
<b>Subdistrict IC Total</b> .....	<b>497,795</b>	<b>477,525</b>	<b>13,532</b>	<b>14,624</b>	<b>3,434</b>	<b>7,305</b>	<b>2,407,516</b>	<b>2,833,917</b>
Florida .....	343,562	343,976	2,259	1,552	2,854	7,253	1,682,623	2,018,114
Georgia .....	56,717	52,604	-	-	-	-	165,365	203,644
North Carolina .....	5,960	7,437	6,297	6,517	63	52	256,772	290,327
South Carolina .....	16,264	25,272	1,447	2,868	36	-	105,805	125,209
Virginia .....	75,292	48,065	3,529	3,687	481	-	188,893	181,661
West Virginia .....	-	171	-	-	-	-	8,057	14,963
<b>PAD District II Total</b> .....	<b>18,768</b>	<b>23,991</b>	<b>310</b>	<b>646</b>	<b>169</b>	<b>-</b>	<b>387,227</b>	<b>427,903</b>
Illinois .....	1,143	1,263	310	21	35	-	59,961	79,713
Indiana .....	9,626	12,447	-	-	-	-	78,731	56,463
Iowa .....	-	-	-	-	8	-	3,777	3,998
Kansas .....	-	-	-	-	-	-	1,234	5,713
Kentucky .....	-	-	-	-	-	-	8,249	10,334
Michigan .....	3,853	5,103	-	120	40	-	53,911	62,847
Minnesota .....	-	-	-	-	-	-	26,526	36,644
Missouri .....	865	243	-	505	-	-	20,809	22,111
Nebraska .....	-	-	-	-	3	-	4,953	7,114
North Dakota .....	-	-	-	-	-	-	6,716	5,757
Ohio .....	2,306	3,506	-	-	-	-	59,485	72,212
Oklahoma .....	-	-	-	-	-	-	13,502	10,994
South Dakota .....	-	-	-	-	-	-	560	1,700
Tennessee .....	77	89	-	-	-	-	14,838	8,946
Wisconsin .....	898	1,341	-	-	84	-	33,975	43,357
<b>PAD District III Total</b> .....	<b>1,958,248</b>	<b>2,014,085</b>	<b>1,792</b>	<b>4,682</b>	<b>-</b>	<b>30</b>	<b>2,116,724</b>	<b>2,267,280</b>
Alabama .....	106,730	104,103	-	-	-	-	127,491	134,101
Arkansas .....	-	-	-	-	-	-	8,362	9,773
Louisiana .....	927,338	1,081,956	1,792	1,847	-	-	945,225	1,121,173
Mississippi .....	103,276	71,219	-	-	-	-	106,606	145,332
New Mexico .....	-	-	-	-	-	30	7,323	8,270
Texas .....	820,905	756,807	-	2,835	-	-	921,716	848,631
<b>PAD District IV Total</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>209</b>	<b>69</b>	<b>23,202</b>	<b>12,089</b>
Colorado .....	-	-	-	7	3	4	10	179
Idaho .....	-	-	-	-	29	5	544	280
Montana .....	-	-	-	-	-	-	9,682	7,693
Utah .....	-	-	-	-	40	23	12,070	3,685
Wyoming .....	-	-	-	-	137	38	895	253
<b>PAD District V Total</b> .....	<b>2,720,041</b>	<b>2,327,031</b>	<b>8,824</b>	<b>11,488</b>	<b>1,779</b>	<b>2,601</b>	<b>3,361,987</b>	<b>2,919,153</b>
Alaska .....	4,674	149	-	-	-	-	20,051	16,606
Arizona .....	-	-	-	-	-	-	2,824	3,586
California .....	1,797,809	1,650,161	7,807	7,374	104	27	1,865,905	1,670,988
Hawaii .....	109,640	26,450	120	3,398	1,653	2,574	572,135	541,377
Nevada .....	-	-	-	-	-	-	44,364	5,482
Oregon .....	129,370	128,963	897	-	22	-	147,250	138,233
Washington .....	678,548	521,308	-	716	-	-	709,459	542,881

Dashes (-) = No data reported.

Note: 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 1995 and 1996.

**Table 6. Sales of Kerosene by End Use, 1995 and 1996**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>550,336</b>	<b>657,636</b>	<b>163,716</b>	<b>155,792</b>	<b>86,902</b>	<b>102,322</b>
<b>PAD District I Total</b> .....	<b>440,639</b>	<b>530,407</b>	<b>132,354</b>	<b>116,949</b>	<b>59,357</b>	<b>65,977</b>
<b>Subdistrict IA Total</b> .....	<b>78,901</b>	<b>95,280</b>	<b>16,254</b>	<b>13,593</b>	<b>7,148</b>	<b>2,962</b>
Connecticut .....	5,127	5,217	1,144	3,012	3,904	1,062
Maine .....	45,725	57,548	6,783	6,222	933	453
Massachusetts .....	5,463	6,219	4,615	1,965	1,365	474
New Hampshire .....	13,901	16,486	1,834	1,746	603	435
Rhode Island .....	1,123	1,268	1,278	82	284	119
Vermont .....	7,563	8,542	600	566	60	420
<b>Subdistrict IB Total</b> .....	<b>176,460</b>	<b>206,836</b>	<b>90,240</b>	<b>75,937</b>	<b>40,764</b>	<b>47,702</b>
Delaware .....	5,037	7,574	99	260	10	2,017
District of Columbia .....	265	259	5,402	4,251	-	-
Maryland .....	22,450	24,925	8,807	6,324	1,520	1,305
New Jersey .....	9,926	11,912	23,761	10,216	17,257	13,030
New York .....	52,099	60,898	30,006	31,554	16,640	27,225
Pennsylvania .....	86,682	101,268	22,166	23,333	5,337	4,125
<b>Subdistrict IC Total</b> .....	<b>185,278</b>	<b>228,291</b>	<b>25,859</b>	<b>27,418</b>	<b>11,444</b>	<b>15,312</b>
Florida .....	8,846	11,067	4,002	4,445	210	1,230
Georgia .....	5,278	6,047	1,477	1,311	1,053	1,379
North Carolina .....	88,104	106,932	6,178	7,496	3,429	5,399
South Carolina .....	19,751	23,570	1,094	977	2,849	3,417
Virginia .....	51,244	64,847	11,566	11,651	1,838	1,485
West Virginia .....	12,055	15,829	1,542	1,538	2,065	2,401
<b>PAD District II Total</b> .....	<b>93,893</b>	<b>107,822</b>	<b>25,255</b>	<b>30,506</b>	<b>15,373</b>	<b>19,453</b>
Illinois .....	3,521	4,020	3,375	2,826	3,991	4,917
Indiana .....	9,016	12,096	2,947	2,887	1,221	1,903
Iowa .....	1,032	1,247	106	184	205	118
Kansas .....	533	808	236	208	90	115
Kentucky .....	17,428	18,410	4,925	4,649	2,813	3,092
Michigan .....	9,772	9,646	4,285	6,278	894	937
Minnesota .....	2,097	2,558	979	1,123	106	97
Missouri .....	1,357	2,368	432	1,138	111	1,034
Nebraska .....	157	159	168	167	27	44
North Dakota .....	154	224	54	74	2	3
Ohio .....	31,432	34,377	3,727	6,507	4,355	5,204
Oklahoma .....	156	843	216	210	104	181
South Dakota .....	156	216	30	25	3	8
Tennessee .....	15,644	19,139	3,362	3,722	1,110	1,357
Wisconsin .....	1,439	1,711	412	510	341	444
<b>PAD District III Total</b> .....	<b>5,758</b>	<b>6,706</b>	<b>3,241</b>	<b>2,768</b>	<b>8,889</b>	<b>10,679</b>
Alabama .....	2,789	2,675	402	392	1,739	1,988
Arkansas .....	584	493	190	222	422	299
Louisiana .....	380	707	250	313	796	971
Mississippi .....	847	941	312	233	724	796
New Mexico .....	235	274	147	31	220	331
Texas .....	923	1,616	1,940	1,577	4,987	6,293
<b>PAD District IV Total</b> .....	<b>1,632</b>	<b>1,626</b>	<b>441</b>	<b>585</b>	<b>1,022</b>	<b>1,158</b>
Colorado .....	836	868	190	245	55	62
Idaho .....	627	526	128	153	4	7
Montana .....	21	28	11	20	3	3
Utah .....	121	176	45	119	50	73
Wyoming .....	27	29	66	49	909	1,013
<b>PAD District V Total</b> .....	<b>8,415</b>	<b>11,075</b>	<b>2,426</b>	<b>4,984</b>	<b>2,263</b>	<b>5,055</b>
Alaska .....	13	12	20	6	5	4
Arizona .....	85	118	49	102	18	47
California .....	3,397	4,343	1,122	2,889	1,782	4,404
Hawaii .....	1	1	5	2	14	15
Nevada .....	240	263	53	64	53	55
Oregon .....	1,072	1,700	594	1,580	103	205
Washington .....	3,607	4,640	582	342	287	326

See footnotes at end of table.

**Table 6. Sales of Kerosene by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Farm		All Other		Total	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>19,919</b>	<b>26,017</b>	<b>7,576</b>	<b>7,223</b>	<b>828,450</b>	<b>948,990</b>
<b>PAD District I Total</b> .....	<b>7,629</b>	<b>9,408</b>	<b>3,476</b>	<b>3,008</b>	<b>643,455</b>	<b>725,749</b>
<b>Subdistrict IA Total</b> .....	<b>685</b>	<b>974</b>	<b>413</b>	<b>236</b>	<b>103,401</b>	<b>113,046</b>
Connecticut .....	20	9	58	-	10,254	9,300
Maine .....	220	239	146	40	53,806	64,502
Massachusetts .....	65	106	51	26	11,559	8,788
New Hampshire .....	105	186	86	81	16,529	18,934
Rhode Island .....	-	-	-	1	2,685	1,470
Vermont .....	274	434	72	88	8,569	10,050
<b>Subdistrict IB Total</b> .....	<b>1,707</b>	<b>2,702</b>	<b>1,800</b>	<b>2,244</b>	<b>310,972</b>	<b>335,421</b>
Delaware .....	44	35	151	1	5,341	9,886
District of Columbia .....	-	-	-	-	5,667	4,510
Maryland .....	728	875	157	265	33,662	33,693
New Jersey .....	7	38	126	140	51,077	35,337
New York .....	287	1,099	255	337	99,287	121,113
Pennsylvania .....	641	655	1,111	1,501	115,938	130,882
<b>Subdistrict IC Total</b> .....	<b>5,238</b>	<b>5,732</b>	<b>1,262</b>	<b>528</b>	<b>229,082</b>	<b>277,282</b>
Florida .....	80	140	18	8	13,156	16,891
Georgia .....	172	2	227	159	8,206	8,898
North Carolina .....	781	1,433	619	105	99,111	121,364
South Carolina .....	217	279	182	11	24,094	28,254
Virginia .....	3,246	3,239	56	59	67,951	81,282
West Virginia .....	743	639	160	186	16,564	20,593
<b>PAD District II Total</b> .....	<b>10,186</b>	<b>14,878</b>	<b>2,603</b>	<b>2,916</b>	<b>147,310</b>	<b>175,575</b>
Illinois .....	881	4,303	547	666	12,315	16,733
Indiana .....	498	1,331	182	296	13,865	18,513
Iowa .....	1,499	691	37	23	2,879	2,262
Kansas .....	222	397	115	21	1,197	1,549
Kentucky .....	1,305	1,729	724	273	27,194	28,152
Michigan .....	233	382	205	429	15,389	17,672
Minnesota .....	1,167	1,190	14	191	4,362	5,158
Missouri .....	237	302	95	49	2,231	4,892
Nebraska .....	249	315	101	125	702	810
North Dakota .....	8	7	6	15	224	322
Ohio .....	3,161	3,488	350	592	43,025	50,167
Oklahoma .....	82	62	65	55	623	1,351
South Dakota .....	67	99	3	15	259	364
Tennessee .....	374	264	74	104	20,564	24,586
Wisconsin .....	204	318	84	62	2,480	3,046
<b>PAD District III Total</b> .....	<b>425</b>	<b>516</b>	<b>837</b>	<b>517</b>	<b>19,149</b>	<b>21,185</b>
Alabama .....	9	8	135	19	5,075	5,082
Arkansas .....	84	52	349	34	1,629	1,099
Louisiana .....	17	69	111	214	1,554	2,274
Mississippi .....	24	84	67	9	1,974	2,064
New Mexico .....	24	13	52	59	678	709
Texas .....	267	290	122	182	8,240	9,958
<b>PAD District IV Total</b> .....	<b>175</b>	<b>186</b>	<b>101</b>	<b>126</b>	<b>3,369</b>	<b>3,681</b>
Colorado .....	84	120	58	71	1,223	1,366
Idaho .....	35	35	34	5	828	726
Montana .....	4	3	-	1	40	54
Utah .....	52	20	2	7	270	394
Wyoming .....	-	9	6	41	1,008	1,141
<b>PAD District V Total</b> .....	<b>1,504</b>	<b>1,029</b>	<b>560</b>	<b>657</b>	<b>15,167</b>	<b>22,801</b>
Alaska .....	-	-	-	1	37	23
Arizona .....	4	5	2	17	159	288
California .....	308	359	267	365	6,877	12,360
Hawaii .....	1	3	-	-	22	22
Nevada .....	12	15	11	3	370	399
Oregon .....	605	71	248	182	2,623	3,737
Washington .....	574	576	31	89	5,081	5,972

Dashes (-) = No data reported.

Note: 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 1995 and 1996.

**Table 7. Sales for Residential Use: Distillate Fuel Oil and Kerosene, 1996**  
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
<b>U.S. Total</b> .....	<b>198,624</b>	<b>6,711,394</b>	<b>6,910,018</b>	<b>657,636</b>
<b>PAD District I Total</b> .....	<b>32,490</b>	<b>5,688,798</b>	<b>5,721,288</b>	<b>530,407</b>
<b>Subdistrict IA Total</b> .....	<b>13,867</b>	<b>2,142,235</b>	<b>2,156,102</b>	<b>95,280</b>
Connecticut .....	2,476	571,397	573,873	5,217
Maine .....	2,814	325,320	328,134	57,548
Massachusetts .....	7,682	790,445	798,127	6,219
New Hampshire .....	896	200,910	201,806	16,486
Rhode Island .....	-	151,241	151,241	1,268
Vermont .....	-	102,922	102,922	8,542
<b>Subdistrict IB Total</b> .....	<b>15,465</b>	<b>3,041,051</b>	<b>3,056,516</b>	<b>206,836</b>
Delaware .....	-	47,433	47,433	7,574
District of Columbia .....	-	13,134	13,134	259
Maryland .....	527	252,077	252,604	24,925
New Jersey .....	55	528,901	528,956	11,912
New York .....	-	1,314,434	1,314,434	60,898
Pennsylvania .....	14,883	885,072	899,955	101,268
<b>Subdistrict IC Total</b> .....	<b>3,157</b>	<b>505,512</b>	<b>508,669</b>	<b>228,291</b>
Florida .....	21	9,241	9,262	11,067
Georgia .....	65	6,492	6,557	6,047
North Carolina .....	165	184,879	185,044	106,932
South Carolina .....	1,084	29,860	30,944	23,570
Virginia .....	1,367	249,442	250,809	64,847
West Virginia .....	455	25,597	26,052	15,829
<b>PAD District II Total</b> .....	<b>109,972</b>	<b>793,225</b>	<b>903,197</b>	<b>107,822</b>
Illinois .....	5,541	26,884	32,425	4,020
Indiana .....	10,086	52,820	62,906	12,096
Iowa .....	6,296	27,349	33,645	1,247
Kansas .....	409	346	755	808
Kentucky .....	1,779	27,014	28,793	18,410
Michigan .....	14,816	152,908	167,724	9,646
Minnesota .....	32,772	117,235	150,007	2,558
Missouri .....	2,335	12,029	14,364	2,368
Nebraska .....	1,836	3,081	4,917	159
North Dakota .....	7,399	28,150	35,549	224
Ohio .....	3,398	160,774	164,172	34,377
Oklahoma .....	845	167	1,012	843
South Dakota .....	7,150	19,935	27,085	216
Tennessee .....	1,031	10,645	11,676	19,139
Wisconsin .....	14,280	153,888	168,168	1,711
<b>PAD District III Total</b> .....	<b>96</b>	<b>560</b>	<b>656</b>	<b>6,706</b>
Alabama .....	47	390	437	2,675
Arkansas .....	-	39	39	493
Louisiana .....	24	5	29	707
Mississippi .....	1	26	27	941
New Mexico .....	24	98	122	274
Texas .....	-	3	3	1,616
<b>PAD District IV Total</b> .....	<b>13,501</b>	<b>23,994</b>	<b>37,495</b>	<b>1,626</b>
Colorado .....	201	1,739	1,940	868
Idaho .....	3,114	13,864	16,978	526
Montana .....	9,584	4,560	14,144	28
Utah .....	357	2,881	3,238	176
Wyoming .....	245	949	1,194	29
<b>PAD District V Total</b> .....	<b>42,565</b>	<b>204,818</b>	<b>247,383</b>	<b>11,075</b>
Alaska .....	33,887	49,891	83,778	12
Arizona .....	30	389	419	118
California .....	312	6,111	6,423	4,343
Hawaii .....	-	10	10	1
Nevada .....	423	8,198	8,621	263
Oregon .....	3,365	49,039	52,404	1,700
Washington .....	4,548	91,179	95,727	4,640

Dashes (-) = No data reported.

Note: 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 1996.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).



**Table 8. Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1996**  
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel			Total Distillate
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
<b>U.S. Total</b>	<b>139,332</b>	<b>1,540,121</b>	<b>1,080,073</b>	<b>498,422</b>	<b>3,118,616</b>	<b>345,672</b>	<b>3,603,620</b>	<b>927,834</b>	<b>155,792</b>
<b>PAD District I Total</b>	<b>22,247</b>	<b>1,393,582</b>	<b>465,740</b>	<b>204,178</b>	<b>2,063,499</b>	<b>344,436</b>	<b>2,430,182</b>	<b>892,897</b>	<b>116,949</b>
Subdistrict IA Total	3,514	431,354	85,887	21,178	538,420	64,107	606,041	194,722	13,593
Connecticut	123	99,299	19,344	962	119,605	8,861	128,589	19,327	3,012
Maine	498	82,862	16,029	1,930	100,821	4,023	105,342	21,593	6,222
Massachusetts	596	166,405	25,452	12,401	204,258	40,166	245,020	103,341	1,965
New Hampshire	286	38,550	12,286	985	51,821	5,280	57,387	19,010	1,746
Rhode Island	2,011	20,560	7,030	1,579	29,169	3,947	35,127	28,371	82
Vermont	-	23,678	5,747	3,321	32,746	1,830	34,575	3,081	566
Subdistrict IB Total	17,064	812,046	199,999	53,344	1,065,388	275,488	1,357,941	671,825	75,937
Delaware	-	10,895	2,312	1,510	14,717	1,922	16,638	9,410	260
District of Columbia	-	28,093	5,900	1,046	35,038	6,736	41,774	4,074	4,251
Maryland	515	91,252	30,336	17,986	139,574	2,035	142,124	4,572	6,324
New Jersey	14,478	129,679	32,964	4,829	167,472	32,951	214,902	54,474	10,216
New York	1,869	390,255	52,940	5,386	448,581	224,643	675,093	543,869	31,554
Pennsylvania	201	161,872	75,547	22,587	260,006	7,201	267,409	55,425	23,333
Subdistrict IC Total	1,669	150,181	179,853	129,657	459,691	4,840	466,200	26,350	27,418
Florida	726	5,506	65,060	20,711	91,277	164	92,167	4,198	4,445
Georgia	264	5,766	31,930	12,283	49,979	-	50,243	449	1,311
North Carolina	33	49,792	23,170	47,041	120,002	2,714	122,749	9,340	7,496
South Carolina	4	5,138	22,154	14,593	41,885	-	41,888	1,592	977
Virginia	85	80,973	31,972	32,807	145,752	1,860	147,697	10,770	11,651
West Virginia	557	3,005	5,568	2,222	10,795	103	11,456	-	1,538
<b>PAD District II Total</b>	<b>70,558</b>	<b>109,831</b>	<b>249,691</b>	<b>145,785</b>	<b>505,306</b>	<b>737</b>	<b>576,601</b>	<b>22,117</b>	<b>30,506</b>
Illinois	30,978	14,840	18,608	14,511	47,960	80	79,018	8,061	2,826
Indiana	2,838	12,877	14,257	11,956	39,090	3	41,931	577	2,887
Iowa	4,248	2,224	7,527	1,484	11,235	-	15,483	34	184
Kansas	3,462	295	15,796	4,532	20,622	-	24,085	76	208
Kentucky	346	4,620	27,174	19,444	51,238	271	51,855	7	4,649
Michigan	11,318	13,812	38,597	13,036	65,445	-	76,763	194	6,278
Minnesota	6,812	17,675	12,762	6,805	37,242	-	44,055	5,881	1,123
Missouri	2,897	4,282	24,021	25,660	53,963	37	56,897	240	1,138
Nebraska	1,017	619	6,695	1,684	8,998	-	10,015	-	167
North Dakota	1,314	4,201	2,453	1,093	7,747	-	9,062	247	74
Ohio	131	10,142	25,745	21,764	57,652	250	58,032	73	6,507
Oklahoma	387	-	14,996	1,260	16,256	-	16,643	-	210
South Dakota	1,497	4,935	3,894	569	9,398	-	10,895	-	25
Tennessee	147	2,561	22,503	14,129	39,193	25	39,366	1,178	3,722
Wisconsin	3,164	16,748	14,662	7,857	39,267	71	42,502	5,550	510
<b>PAD District III Total</b>	<b>3,936</b>	<b>7,666</b>	<b>106,217</b>	<b>66,208</b>	<b>180,091</b>	<b>-</b>	<b>184,027</b>	<b>59</b>	<b>2,768</b>
Alabama	22	2,091	13,642	8,411	24,144	-	24,166	24	392
Arkansas	80	6	6,931	5,620	12,557	-	12,637	9	222
Louisiana	160	195	3,266	2,221	5,682	-	5,842	26	313
Mississippi	24	570	9,946	6,728	17,244	-	17,268	-	233
New Mexico	225	65	6,036	1,313	7,414	-	7,639	-	31
Texas	3,425	4,740	66,395	41,914	113,049	-	116,474	-	1,577
<b>PAD District IV Total</b>	<b>12,229</b>	<b>5,793</b>	<b>60,525</b>	<b>10,743</b>	<b>77,061</b>	<b>-</b>	<b>89,290</b>	<b>865</b>	<b>585</b>
Colorado	6,009	982	23,531	1,311	25,825	-	31,834	-	245
Idaho	980	1,354	11,798	5,626	18,778	-	19,758	179	153
Montana	1,215	1,514	7,060	152	8,726	-	9,941	106	20
Utah	1,059	589	11,272	3,353	15,213	-	16,272	574	119
Wyoming	2,966	1,354	6,864	301	8,519	-	11,485	6	49
<b>PAD District V Total</b>	<b>30,362</b>	<b>23,249</b>	<b>197,901</b>	<b>71,508</b>	<b>292,658</b>	<b>499</b>	<b>323,520</b>	<b>11,896</b>	<b>4,984</b>
Alaska	21,993	14,552	44	14,257	28,852	488	51,333	-	6
Arizona	140	13	21,482	4,081	25,576	-	25,715	204	102
California	691	2,435	92,522	15,603	110,560	-	111,251	520	2,899
Hawaii	4	139	6,612	2,968	9,719	-	9,723	535	2
Nevada	1,105	1,433	34,110	6,263	41,806	-	42,911	-	64
Oregon	2,328	2,517	18,539	16,201	37,257	11	39,596	3,511	1,580
Washington	4,101	2,160	24,593	12,137	38,889	-	42,990	7,125	342

Dashes (-) = No data reported.

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

Sources: • Energy Information Administration Form EIA-921, "Annual Fuel Oil and Kerosene Sales Report," for 1996.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

**Table 9. Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1996**  
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate			
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel					No. 2 Total
<b>U.S. Total</b>	<b>60,003</b>	<b>457,744</b>	<b>593,730</b>	<b>1,114,789</b>	<b>2,166,263</b>	<b>62,423</b>	<b>2,288,689</b>	<b>2,089,436</b>	<b>102,322</b>
<b>PAD District I Total</b>	<b>3,085</b>	<b>273,647</b>	<b>96,780</b>	<b>329,687</b>	<b>700,114</b>	<b>57,681</b>	<b>760,880</b>	<b>1,595,527</b>	<b>65,977</b>
<b>Subdistrict IA Total</b>	<b>65</b>	<b>61,479</b>	<b>10,437</b>	<b>4,703</b>	<b>76,618</b>	<b>21,004</b>	<b>97,688</b>	<b>503,004</b>	<b>2,962</b>
Connecticut	-	11,832	747	133	12,713	9,972	22,685	40,733	1,062
Maine	65	23,844	1,864	487	26,195	1,195	27,455	328,008	453
Massachusetts	-	14,201	2,986	2,518	19,706	4,829	24,534	71,286	474
New Hampshire	-	3,588	1,516	476	5,580	1,140	6,720	40,680	435
Rhode Island	-	3,469	2,703	625	6,796	2,678	9,475	13,378	119
Vermont	-	4,544	620	464	5,629	1,191	6,820	8,919	420
<b>Subdistrict IB Total</b>	<b>803</b>	<b>108,667</b>	<b>41,786</b>	<b>57,343</b>	<b>207,796</b>	<b>28,270</b>	<b>236,870</b>	<b>334,383</b>	<b>47,702</b>
Delaware	-	1,679	3,708	2,850	8,236	116	8,352	39,056	2,017
District of Columbia	-	322	135	-	457	-	457	10	-
Maryland	608	16,106	10,869	8,321	35,296	1,810	37,714	57,229	1,305
New Jersey	2	26,780	1,011	4,533	32,324	11,816	44,142	68,261	13,030
New York	-	33,289	2,857	7,064	43,209	6,012	49,221	103,534	27,225
Pennsylvania	193	30,491	23,207	34,576	88,273	8,517	96,984	66,294	4,125
<b>Subdistrict IC Total</b>	<b>2,217</b>	<b>103,502</b>	<b>44,557</b>	<b>267,641</b>	<b>415,700</b>	<b>8,406</b>	<b>426,322</b>	<b>758,140</b>	<b>15,312</b>
Florida	14	5,365	6,623	30,434	42,422	4,919	47,355	158,621	1,230
Georgia	-	12,584	6,734	41,950	61,268	414	61,682	146,479	1,379
North Carolina	-	38,400	12,930	35,461	86,790	2,118	88,908	266,980	5,399
South Carolina	-	11,255	5,005	10,942	27,202	492	27,694	95,334	3,417
Virginia	-	22,802	6,871	49,602	79,275	451	79,727	75,935	1,485
West Virginia	2,202	13,095	6,394	99,252	118,742	13	120,956	14,792	2,401
<b>PAD District II Total</b>	<b>26,143</b>	<b>153,232</b>	<b>120,700</b>	<b>359,988</b>	<b>633,920</b>	<b>2,923</b>	<b>662,986</b>	<b>255,397</b>	<b>19,453</b>
Illinois	1,519	12,619	9,032	30,671	52,322	51	53,891	21,195	4,917
Indiana	2,116	28,075	21,835	19,190	69,100	209	71,424	43,439	1,903
Iowa	1,799	1,569	14,763	2,883	19,216	-	21,014	3,963	118
Kansas	509	870	5,678	3,744	10,292	15	10,816	5,637	115
Kentucky	211	9,827	12,351	164,073	186,252	666	187,129	6,647	3,092
Michigan	535	13,656	11,008	18,957	43,621	-	44,156	15,022	937
Minnesota	8,520	20,346	3,409	7,337	31,092	84	39,696	18,387	97
Missouri	2,257	10,634	12,173	9,064	31,872	353	34,483	13,120	1,034
Nebraska	565	160	1,009	2,464	3,633	-	4,199	7,114	44
North Dakota	1,014	3,716	1,182	906	5,805	-	6,819	5,504	3
Ohio	116	13,582	8,236	52,185	74,003	426	74,546	63,305	5,204
Oklahoma	-	1,812	775	6,492	9,079	-	9,080	10,994	181
South Dakota	989	1,182	6,216	1,189	8,587	273	9,850	1,700	8
Tennessee	-	6,400	6,612	26,955	39,967	800	40,766	7,566	1,357
Wisconsin	5,994	28,783	6,419	13,877	49,078	47	55,119	31,801	444
<b>PAD District III Total</b>	<b>3,335</b>	<b>13,728</b>	<b>94,864</b>	<b>178,853</b>	<b>287,446</b>	<b>60</b>	<b>290,841</b>	<b>168,522</b>	<b>10,679</b>
Alabama	1	3,274	11,390	47,637	62,302	-	62,302	29,974	1,988
Arkansas	-	54	2,265	8,984	11,304	-	11,304	4,915	299
Louisiana	-	5,665	2,070	16,788	24,524	-	24,524	31,670	971
Mississippi	-	3,250	8,762	13,922	25,934	60	25,994	4,778	796
New Mexico	2,055	72	17,440	10,600	28,113	-	30,167	8,239	331
Texas	1,279	1,412	52,936	80,922	135,270	-	136,549	88,946	6,293
<b>PAD District IV Total</b>	<b>12,603</b>	<b>2,222</b>	<b>96,496</b>	<b>23,128</b>	<b>121,847</b>	<b>89</b>	<b>134,538</b>	<b>3,659</b>	<b>1,158</b>
Colorado	1,627	-	9,864	3,174	13,038	-	14,665	168	62
Idaho	2,084	147	8,503	12,291	20,942	-	23,027	96	7
Montana	3,069	55	14,438	1,117	15,610	-	18,679	99	3
Utah	1,081	563	12,903	5,956	19,422	8	20,511	3,087	73
Wyoming	4,741	1,457	50,788	589	52,835	81	57,657	209	1,013
<b>PAD District V Total</b>	<b>14,838</b>	<b>14,915</b>	<b>184,889</b>	<b>223,133</b>	<b>422,937</b>	<b>1,670</b>	<b>439,445</b>	<b>66,332</b>	<b>5,055</b>
Alaska	5,961	9,011	29,563	17,433	56,007	21	61,990	16,456	4
Arizona	1,383	-	32,678	76,181	108,859	35	110,277	3,382	47
California	6	1,427	49,960	4,330	55,717	1,614	57,337	11,478	4,404
Hawaii	-	128	1,125	2,580	3,834	-	3,834	10,858	15
Nevada	6,496	8	46,588	93,754	140,349	-	146,846	5,368	55
Oregon	614	2,460	12,728	19,714	34,902	-	35,516	5,680	205
Washington	377	1,880	12,249	9,139	23,267	-	23,645	13,109	326

Dashes (-) = No data reported.

Note: 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 1996.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

**Table 10. Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Utility and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 1996**  
(Thousand Gallons)

Destination	Farm				Electric		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b> .....	<b>3,478,602</b>	<b>112,781</b>	<b>3,591,383</b>	<b>26,017</b>	<b>657,881</b>	<b>4,304,492</b>	<b>730,676</b>	<b>167,425</b>
<b>PAD District I Total</b> .....	<b>361,353</b>	<b>48,322</b>	<b>409,674</b>	<b>9,408</b>	<b>272,879</b>	<b>3,657,186</b>	<b>9,932</b>	<b>101,783</b>
<b>Subdistrict IA Total</b> .....	<b>12,280</b>	<b>4,307</b>	<b>16,587</b>	<b>974</b>	<b>20,018</b>	<b>940,989</b>	<b>558</b>	<b>822</b>
Connecticut .....	1,980	679	2,659	9	1,663	419,126	235	243
Maine .....	2,299	1,498	3,797	239	845	60,487	-	-
Massachusetts .....	3,508	641	4,148	106	12,099	407,212	229	580
New Hampshire .....	562	364	926	186	1,609	54,164	-	-
Rhode Island .....	56	43	100	-	3,741	-	91	-
Vermont .....	3,875	1,082	4,957	434	62	-	2	-
<b>Subdistrict IB Total</b> .....	<b>82,480</b>	<b>25,674</b>	<b>108,154</b>	<b>2,702</b>	<b>106,046</b>	<b>1,166,608</b>	<b>4,445</b>	<b>100,576</b>
Delaware .....	5,574	73	5,647	35	8,016	68,711	769	23,018
District of Columbia .....	-	-	-	-	16,587	-	-	-
Maryland .....	23,275	3,417	26,691	875	23,278	76,380	134	653
New Jersey .....	6,271	1,029	7,300	38	4,974	143,806	1,522	2,341
New York .....	21,690	12,150	33,839	1,099	14,299	718,952	1,017	893
Pennsylvania .....	25,670	9,005	34,676	655	38,891	158,759	1,003	73,672
<b>Subdistrict IC Total</b> .....	<b>266,592</b>	<b>18,341</b>	<b>284,933</b>	<b>5,732</b>	<b>146,815</b>	<b>1,549,590</b>	<b>4,930</b>	<b>384</b>
Florida .....	76,161	190	76,350	140	67,739	1,502,436	560	78
Georgia .....	101,643	597	102,239	2	26,214	4,113	1,280	-
North Carolina .....	30,623	3,800	34,423	1,433	22,454	-	115	-
South Carolina .....	19,741	4,673	24,414	279	8,364	-	416	144
Virginia .....	35,197	8,079	43,275	3,239	9,831	43,041	1,226	162
West Virginia .....	3,228	1,003	4,232	639	12,213	-	1,333	-
<b>PAD District II Total</b> .....	<b>1,639,885</b>	<b>56,582</b>	<b>1,696,468</b>	<b>14,878</b>	<b>158,398</b>	<b>97,019</b>	<b>49,821</b>	<b>28,733</b>
Illinois .....	204,678	2,764	207,442	4,303	29,294	45,194	1,364	3,979
Indiana .....	92,540	2,262	94,802	1,331	17,663	-	2,843	-
Iowa .....	199,014	9,603	208,617	691	2,357	-	10	-
Kansas .....	164,660	702	165,362	397	6,028	-	4,967	-
Kentucky .....	31,532	1,022	32,554	1,729	8,708	-	306	3,681
Michigan .....	59,032	5,396	64,427	382	24,541	39,797	2,017	2,610
Minnesota .....	167,307	15,017	182,324	1,190	9,470	3,417	-	8,959
Missouri .....	59,006	392	59,398	302	5,102	8,004	40	-
Nebraska .....	175,858	1,429	177,287	315	1,451	-	628	-
North Dakota .....	104,208	1,063	105,271	7	5,293	5	8,449	-
Ohio .....	88,755	5,440	94,195	3,488	21,594	602	1,159	4,726
Oklahoma .....	76,743	344	77,087	62	389	-	27,858	-
South Dakota .....	75,886	4,899	80,785	99	1,193	-	79	-
Tennessee .....	58,415	227	58,642	264	17,297	-	100	113
Wisconsin .....	82,252	6,021	88,273	318	8,017	-	2	4,665
<b>PAD District III Total</b> .....	<b>840,432</b>	<b>1,604</b>	<b>842,036</b>	<b>516</b>	<b>62,717</b>	<b>79,902</b>	<b>570,782</b>	<b>-</b>
Alabama .....	37,686	94	37,780	8	12,298	-	9,902	-
Arkansas .....	107,623	41	107,664	52	5,412	4,849	1,672	-
Louisiana .....	62,143	-	62,143	69	18,006	5,675	339,031	-
Mississippi .....	94,814	381	95,195	84	4,265	69,336	1,329	-
New Mexico .....	17,685	-	17,685	13	1,500	-	19,861	-
Texas .....	520,481	1,089	521,569	290	21,236	43	198,986	-
<b>PAD District IV Total</b> .....	<b>203,309</b>	<b>1,645</b>	<b>204,954</b>	<b>186</b>	<b>6,066</b>	<b>-</b>	<b>25,986</b>	<b>7,488</b>
Colorado .....	67,533	500	68,033	120	858	-	7,742	-
Idaho .....	46,336	25	46,361	35	333	-	2	-
Montana .....	64,006	990	64,996	3	63	-	1,418	7,488
Utah .....	14,583	116	14,700	20	2,149	-	4,268	-
Wyoming .....	10,850	14	10,864	9	2,663	-	12,557	-
<b>PAD District V Total</b> .....	<b>433,623</b>	<b>4,628</b>	<b>438,252</b>	<b>1,029</b>	<b>157,822</b>	<b>470,384</b>	<b>74,155</b>	<b>29,421</b>
Alaska .....	1	1	2	-	37,660	-	66,990	-
Arizona .....	27,380	-	27,380	5	2,497	-	100	-
California .....	288,442	821	289,264	359	4,107	-	5,093	1,427
Hawaii .....	7,051	1,411	8,462	3	108,863	470,307	664	27,256
Nevada .....	6,443	29	6,472	15	1,792	-	505	114
Oregon .....	38,211	1,461	39,673	71	825	77	51	-
Washington .....	66,095	904	66,999	576	2,078	-	752	624

Dashes (-) = No data reported.

Note: 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 1996.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

**Table 11. Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 1996**  
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b> .....	<b>3,446,939</b>	<b>2,490,793</b>	<b>5,701,233</b>	<b>26,958,668</b>	<b>32,896,400</b>	<b>5,701,233</b>
<b>PAD District I Total</b> .....	<b>579,618</b>	<b>523,630</b>	<b>1,336,126</b>	<b>8,372,128</b>	<b>9,475,376</b>	<b>1,336,126</b>
<b>Subdistrict IA Total</b> .....	<b>25,354</b>	<b>73,340</b>	<b>84,532</b>	<b>858,402</b>	<b>957,096</b>	<b>84,532</b>
Connecticut .....	6,338	2,521	174	<sup>E</sup> 208,249	217,109	174
Maine .....	5,852	12,726	2,019	135,339	153,917	2,019
Massachusetts .....	12,372	47,198	82,041	313,984	373,554	82,041
New Hampshire .....	152	752	209	60,949	61,853	209
Rhode Island .....	97	9,669	91	44,378	54,144	91
Vermont .....	542	475	-	95,503	96,520	-
<b>Subdistrict IB Total</b> .....	<b>146,456</b>	<b>140,785</b>	<b>774,069</b>	<b>3,063,474</b>	<b>3,350,715</b>	<b>774,069</b>
Delaware .....	423	6,507	84,114	59,290	66,220	84,114
District of Columbia .....	6,283	2	-	20,949	27,234	-
Maryland .....	28,932	20,645	25,512	355,412	404,990	25,512
New Jersey .....	65,054	82,680	251,288	532,936	680,670	251,288
New York .....	7,180	14,157	273,006	924,782	946,119	273,006
Pennsylvania .....	38,584	16,793	140,149	1,170,105	1,225,482	140,149
<b>Subdistrict IC Total</b> .....	<b>407,808</b>	<b>309,504</b>	<b>477,525</b>	<b>4,450,252</b>	<b>5,167,564</b>	<b>477,525</b>
Florida .....	106,030	169,329	343,976	<sup>E</sup> 962,504	1,237,863	343,976
Georgia .....	78,361	10,605	52,604	1,345,755	1,434,721	52,604
North Carolina .....	74,266	19,715	7,437	794,837	888,818	7,437
South Carolina .....	11,397	11,093	25,272	458,312	480,802	25,272
Virginia .....	131,296	26,610	48,065	757,666	915,572	48,065
West Virginia .....	6,458	72,152	171	131,178	209,788	171
<b>PAD District II Total</b> .....	<b>1,440,730</b>	<b>486,978</b>	<b>23,991</b>	<b>9,125,173</b>	<b>11,052,881</b>	<b>23,991</b>
Illinois .....	204,872	47,864	1,263	884,696	1,137,432	1,263
Indiana .....	130,281	17,278	12,447	1,036,200	1,183,759	12,447
Iowa .....	67,532	7,153	-	458,660	533,345	-
Kansas .....	124,233	-	-	352,872	477,105	-
Kentucky .....	106,426	149,299	-	587,549	843,274	-
Michigan .....	44,511	4,850	5,103	772,262	821,623	5,103
Minnesota .....	73,042	4,933	-	482,131	560,106	-
Missouri .....	23,245	166,736	243	767,383	957,364	243
Nebraska .....	169,069	50	-	336,764	505,883	-
North Dakota .....	47,410	-	-	135,043	182,453	-
Ohio .....	137,926	8,619	3,506	1,275,402	1,421,947	3,506
Oklahoma .....	155,215	150	-	541,337	696,702	-
South Dakota .....	1,996	-	-	141,728	143,724	-
Tennessee .....	98,703	77,901	89	754,982	931,586	89
Wisconsin .....	56,267	2,146	1,341	598,164	656,578	1,341
<b>PAD District III Total</b> .....	<b>653,208</b>	<b>1,115,468</b>	<b>2,014,085</b>	<b>4,522,044</b>	<b>6,290,719</b>	<b>2,014,085</b>
Alabama .....	52,942	65,703	104,103	646,567	765,212	104,103
Arkansas .....	67,559	3,334	-	495,380	566,274	-
Louisiana .....	28,011	717,578	1,081,956	508,414	1,254,003	1,081,956
Mississippi .....	24,897	27,191	71,219	400,100	452,188	71,219
New Mexico .....	22,442	-	-	314,590	337,032	-
Texas .....	457,357	301,661	756,807	2,156,993	2,916,011	756,807
<b>PAD District IV Total</b> .....	<b>346,232</b>	<b>260</b>	<b>-</b>	<b>1,094,512</b>	<b>1,441,005</b>	<b>-</b>
Colorado .....	100,324	-	-	273,207	373,531	-
Idaho .....	29,101	241	-	187,828	217,170	-
Montana .....	71,530	3	-	140,625	212,158	-
Utah .....	40,899	16	-	255,192	296,106	-
Wyoming .....	104,379	-	-	237,660	342,039	-
<b>PAD District V Total</b> .....	<b>427,151</b>	<b>364,457</b>	<b>2,327,031</b>	<b>3,844,811</b>	<b>4,636,419</b>	<b>2,327,031</b>
Alaska .....	4,495	143,756	149	34,918	183,169	149
Arizona .....	3,745	17	-	543,643	547,405	-
California .....	252,463	100,226	1,650,161	2,115,704	2,468,394	1,650,161
Hawaii .....	-	23,722	26,450	40,447	64,169	26,450
Nevada .....	8,284	-	-	<sup>E</sup> 244,609	252,893	-
Oregon .....	83,034	23,627	128,963	386,239	492,900	128,963
Washington .....	75,129	73,109	521,308	479,251	627,490	521,308

<sup>E</sup> Estimated data. Florida's 1996 estimate is based on seven months of data. Nevada's 1996 estimate is based on eight months of data. Connecticut's 1996 data are a Federal Highway Administration estimate.

Dashes (-) = No data reported.

Note: 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 1996.

• 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, 1996**  
(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other		
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Distillate Fuel Oil	Residual Fuel Oil	Kerosene
<b>U.S. Total</b> .....	<b>405,844</b>	<b>48,600</b>	<b>454,443</b>	<b>56,225</b>	<b>1,776,271</b>	<b>469,651</b>	<b>2,245,922</b>	-	<b>10,354</b>	<b>7,223</b>
<b>PAD District I Total</b> .....	<b>42,083</b>	<b>39,643</b>	<b>81,726</b>	<b>39,403</b>	<b>514,219</b>	<b>110,730</b>	<b>624,949</b>	-	<b>7,653</b>	<b>3,008</b>
<b>Subdistrict IA Total</b> .....	<b>4,426</b>	<b>6,855</b>	<b>11,281</b>	<b>11,012</b>	<b>52,215</b>	<b>23,251</b>	<b>75,466</b>	-	<b>348</b>	<b>236</b>
Connecticut .....	259	3,686	3,945	1,352	7,850	1,809	9,660	-	-	-
Maine .....	604	2,995	3,599	6,556	12,371	14,429	26,799	-	348	40
Massachusetts .....	1,405	54	1,459	3,104	22,995	1,081	24,077	-	-	26
New Hampshire .....	54	-	54	-	4,246	5,204	9,450	-	-	81
Rhode Island .....	1,902	30	1,933	-	2,810	282	3,092	-	-	1
Vermont .....	202	89	291	-	1,943	446	2,389	-	-	88
<b>Subdistrict IB Total</b> .....	<b>13,254</b>	<b>24,677</b>	<b>37,931</b>	<b>13,767</b>	<b>161,596</b>	<b>11,429</b>	<b>173,025</b>	-	-	<b>2,244</b>
Delaware .....	292	1,063	1,355	792	6,896	221	7,117	-	-	1
District of Columbia .....	74	1,973	2,048	-	326	-	326	-	-	-
Maryland .....	9,304	9,066	18,370	6,611	23,826	1,060	24,887	-	-	265
New Jersey .....	1,307	665	1,972	4,213	27,099	3,685	30,784	-	-	140
New York .....	236	2,165	2,401	874	48,448	181	48,629	-	-	337
Pennsylvania .....	2,040	9,745	11,785	1,278	55,001	6,282	61,282	-	-	1,501
<b>Subdistrict IC Total</b> .....	<b>24,403</b>	<b>8,111</b>	<b>32,514</b>	<b>14,624</b>	<b>300,408</b>	<b>76,050</b>	<b>376,459</b>	-	<b>7,305</b>	<b>528</b>
Florida .....	7,412	-	7,412	1,552	113,554	7,730	121,285	-	7,253	8
Georgia .....	2,604	433	3,037	-	51,373	21,788	73,161	-	-	159
North Carolina .....	2,927	1,019	3,946	6,517	57,418	9,162	66,580	-	52	105
South Carolina .....	1,298	683	1,981	2,868	20,854	18,968	39,822	-	-	11
Virginia .....	9,962	5,600	15,562	3,687	48,878	16,693	65,571	-	-	59
West Virginia .....	200	375	576	-	8,331	1,709	10,040	-	-	186
<b>PAD District II Total</b> .....	<b>19,080</b>	<b>3,189</b>	<b>22,269</b>	<b>646</b>	<b>546,372</b>	<b>102,778</b>	<b>649,150</b>	-	-	<b>2,916</b>
Illinois .....	1,277	151	1,428	21	65,853	5,740	71,593	-	-	666
Indiana .....	1,687	207	1,893	-	24,311	9,646	33,958	-	-	296
Iowa .....	228	-	228	-	31,104	10,814	41,918	-	-	23
Kansas .....	943	-	943	-	28,013	564	28,577	-	-	21
Kentucky .....	1,408	-	1,408	-	38,376	6,642	45,018	-	-	273
Michigan .....	401	1,226	1,627	120	43,984	14,474	58,458	-	-	429
Minnesota .....	683	-	683	-	45,002	15,954	60,955	-	-	191
Missouri .....	2,144	659	2,802	505	37,403	6,939	44,342	-	-	49
Nebraska .....	474	-	474	-	16,239	1,771	18,010	-	-	125
North Dakota .....	1,748	126	1,874	-	5,178	852	6,030	-	-	15
Ohio .....	766	5	771	-	68,311	5,582	73,893	-	-	592
Oklahoma .....	1,794	-	1,794	-	29,803	3,445	33,248	-	-	55
South Dakota .....	907	805	1,711	-	7,180	1,407	8,587	-	-	15
Tennessee .....	1,403	-	1,403	-	54,707	8,032	62,740	-	-	104
Wisconsin .....	3,219	11	3,230	-	50,909	10,915	61,824	-	-	62
<b>PAD District III Total</b> .....	<b>186,122</b>	<b>830</b>	<b>186,951</b>	<b>4,682</b>	<b>350,002</b>	<b>122,753</b>	<b>472,755</b>	-	<b>30</b>	<b>517</b>
Alabama .....	3,090	-	3,090	-	67,966	43,142	111,108	-	-	19
Arkansas .....	850	830	1,680	-	15,046	11,798	26,843	-	-	34
Louisiana .....	40,567	-	40,567	1,847	109,862	8,855	118,717	-	-	214
Mississippi .....	4,473	-	4,473	-	17,927	27,248	45,175	-	-	9
New Mexico .....	2,174	-	2,174	-	17,899	2,347	20,246	-	30	59
Texas .....	134,968	-	134,968	2,835	121,302	29,364	150,666	-	-	182
<b>PAD District IV Total</b> .....	<b>1,800</b>	<b>2,644</b>	<b>4,444</b>	<b>7</b>	<b>105,855</b>	<b>25,780</b>	<b>131,634</b>	-	<b>69</b>	<b>126</b>
Colorado .....	783	72	855	7	40,708	1,760	42,468	-	4	71
Idaho .....	517	-	517	-	12,549	12,347	24,896	-	5	5
Montana .....	207	-	207	-	22,132	4,435	26,568	-	-	1
Utah .....	273	2,573	2,846	-	16,541	3,111	19,652	-	23	7
Wyoming .....	20	-	20	-	13,924	4,127	18,051	-	38	41
<b>PAD District V Total</b> .....	<b>156,760</b>	<b>2,293</b>	<b>159,052</b>	<b>11,488</b>	<b>259,823</b>	<b>107,610</b>	<b>367,433</b>	-	<b>2,601</b>	<b>657</b>
Alaska .....	4,808	680	5,488	-	15,956	17,305	33,261	-	-	1
Arizona .....	1,064	14	1,078	-	35,588	3,400	38,988	-	-	17
California .....	94,261	162	94,422	7,374	128,106	35,946	164,053	-	27	365
Hawaii .....	19,617	-	19,617	3,398	7,132	567	7,699	-	2,574	-
Nevada .....	1,468	-	1,468	-	16,563	1,693	18,257	-	-	3
Oregon .....	2,294	59	2,353	-	14,090	21,649	35,739	-	-	182
Washington .....	33,247	1,379	34,626	716	42,387	27,049	69,437	-	-	89

Dashes (-) = No data reported.

Note: 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 1996.

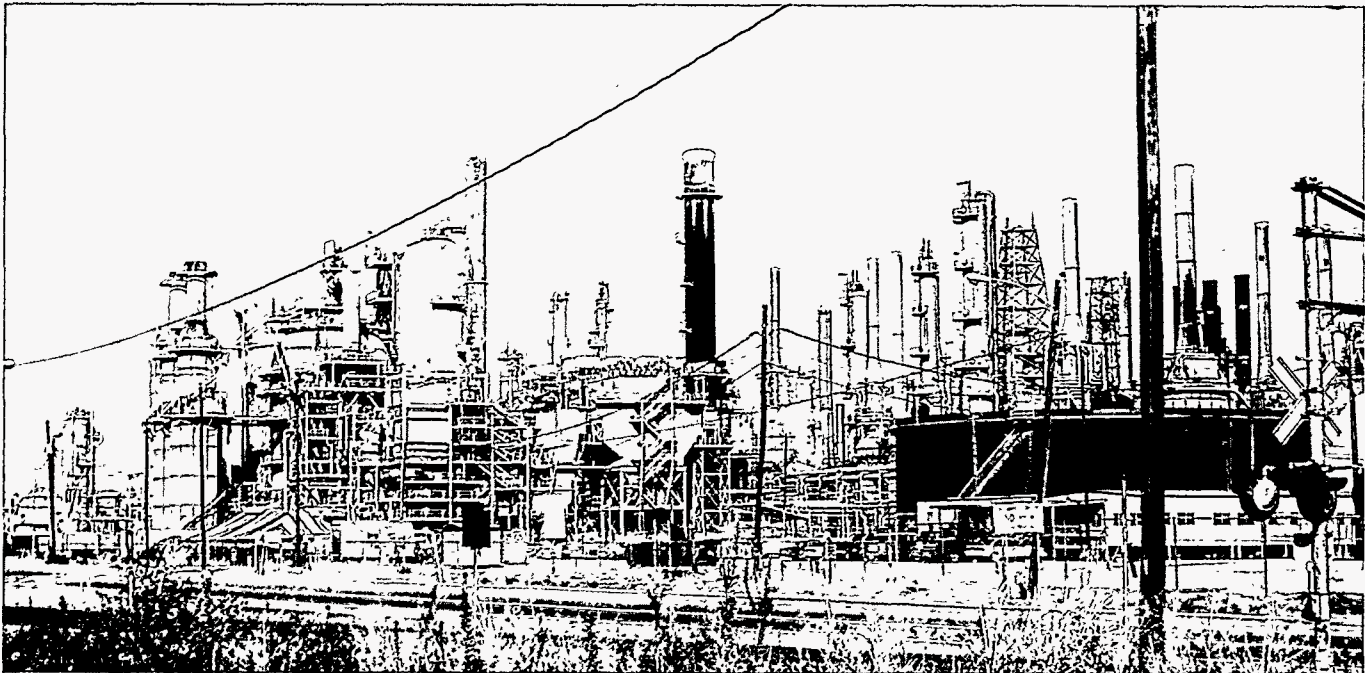
• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

# Adjusted Sales of Fuel Oil and Kerosene in 1996

The following tables 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. Historically, kerosene estimates have always been adjusted at the PAD district level. However, in 1992, certain kerosene estimates at the PAD district level resulted in negative numbers. Hence, the adjustment procedure was changed to display positive sales volumes of kerosene for all PAD districts.

The products supplied estimates can be found in the 1994 through 1996 issues of the *Petroleum Supply Annual*. For certain sales categories, data obtained from alternate sources are used instead of the adjusted numbers. See "Technical Note 3" in the Appendix for further explanation of data adjustments.

Total domestic adjusted sales of fuel oil and kerosene increased 4.2 percent from 63.0 billion gallons in 1995 to 65.7 billion gallons in 1996. While adjusted sales of distillate increased 5.2 percent in 1996, residual fuel oil dropped 0.1 percent. Kerosene adjusted sales increased by 14.6 percent.



*Sales to chemical plants are classified as industrial use.*

**Table 13. Adjusted Sales of Distillate Fuel Oil by End Use in the United States: 1992-1996**  
(Thousand Gallons)

End Use	Distillate Fuel Oil				
	1992	1993	1994	1995	1996
U.S. Total .....	45,791,466	46,621,806	48,477,156	49,157,598	51,730,518
Residential .....	6,238,133	6,577,146	6,335,853	6,370,381	6,707,714
Commercial .....	3,347,133	3,342,105	3,343,090	3,318,818	3,433,555
Industrial .....	2,218,843	1,965,557	2,091,611	2,027,409	2,107,190
Oil Company .....	785,120	763,068	703,946	556,126	625,608
Farm .....	3,504,846	3,238,675	3,198,640	3,230,765	3,334,420
Electric Utility .....	468,795	586,845	755,219	601,185	684,263
Railroad .....	3,217,231	2,906,998	3,063,441	3,191,023	3,266,861
Vessel Bunkering .....	2,240,170	2,043,745	2,026,899	1,978,105	2,177,608
On-Highway Diesel .....	21,374,872	22,758,842	24,442,609	25,576,433	26,958,668
Military .....	650,178	482,773	526,563	368,219	371,093
Off-Highway Diesel .....	1,739,068	1,953,640	1,988,481	1,939,133	2,063,538
All Other .....	7,075	2,411	804	-	-

Dashes (-) = No data reported.

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

Note: Distillate fuel oil data in the Adjusted Sales tables (13-24) are adjusted at the PAD District level. See Technical Note 3 for further explanation.

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 1992-1996.

• Electric Utility data are based on data obtained on Form EIA-759, "Monthly Power Plant Report," and Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

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

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1992-1996, (DOE/EIA-0340(92)/1 - (96)/1).



*More diesel is used for on-highway use than for any other use.*

**Table 14. Adjusted Sales of Residual Fuel Oil by End Use in the United States: 1992-1996**  
(Thousand Gallons)

End Use	Residual Fuel Oil				
	1992	1993	1994	1995	1996
<b>U.S. Total</b> .....	<b>16,816,674</b>	<b>16,559,004</b>	<b>15,648,654</b>	<b>13,058,262</b>	<b>13,041,042</b>
Commercial .....	1,289,987	1,217,796	1,171,495	1,007,962	944,717
Industrial .....	2,332,911	2,823,049	2,579,494	2,160,606	2,127,457
Oil Company .....	297,332	316,372	267,921	231,022	170,471
Electric Utility .....	5,587,235	5,841,192	5,609,752	3,164,462	3,925,629
Vessel Bunkering .....	7,199,078	6,269,882	5,944,838	6,431,238	5,804,977
Military .....	100,684	86,109	68,368	55,614	57,249
All Other .....	9,448	4,604	6,745	7,359	10,542

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

Note: Residual fuel oil data in the Adjusted Sales tables (13-24) are adjusted at the national level. See Technical Note 3 for further explanation.

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 1992-1996.

• Electric Utility data are based on data obtained on Form EIA-759, "Monthly Power Plant Report," and Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1992-1996, (DOE/EIA-0340(92)/1 - (96)/1).

**Table 15. Adjusted Sales of Kerosene by End Use in the United States: 1992-1996**  
(Thousand Gallons)

End Use	Kerosene				
	1992	1993	1994	1995	1996
<b>U.S. Total</b> .....	<b>636,426</b>	<b>760,788</b>	<b>750,330</b>	<b>828,450</b>	<b>948,990</b>
Residential .....	481,511	560,103	480,916	550,336	657,636
Commercial .....	82,398	103,996	144,142	163,716	155,792
Industrial .....	46,099	58,190	86,629	86,902	102,322
Farm .....	20,036	27,695	27,686	19,919	26,017
All Other .....	6,382	10,805	10,957	7,576	7,223

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

Note: Kerosene data in the Adjusted Sales tables (13-24) are adjusted at the national level. See Technical Note 3 for further explanation.

Sources: • Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1992-1996, (DOE/EIA-0340(92)/1 - (96)/1).



**Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1995 and 1996**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>6,370,381</b>	<b>6,707,714</b>	<b>3,318,818</b>	<b>3,433,555</b>	<b>2,027,409</b>	<b>2,107,190</b>
<b>PAD District I Total</b> .....	<b>5,230,793</b>	<b>5,610,264</b>	<b>2,231,502</b>	<b>2,383,023</b>	<b>699,573</b>	<b>746,115</b>
<b>Subdistrict IA Total</b> .....	<b>2,053,812</b>	<b>2,114,262</b>	<b>583,812</b>	<b>594,280</b>	<b>95,439</b>	<b>95,792</b>
Connecticut .....	509,969	562,736	122,824	126,094	19,974	22,245
Maine .....	310,466	321,766	93,004	103,298	25,623	26,922
Massachusetts .....	816,733	782,640	263,716	240,265	28,613	24,058
New Hampshire .....	181,071	197,889	45,946	56,274	8,583	6,589
Rhode Island .....	141,080	148,306	30,160	34,445	7,121	9,291
Vermont .....	94,494	100,925	28,162	33,904	5,525	6,687
<b>Subdistrict IB Total</b> .....	<b>2,738,813</b>	<b>2,997,204</b>	<b>1,209,806</b>	<b>1,331,590</b>	<b>219,933</b>	<b>232,274</b>
Delaware .....	45,306	46,513	11,459	16,316	6,442	8,190
District of Columbia .....	11,575	12,879	33,777	40,964	173	448
Maryland .....	200,384	247,702	126,085	139,366	24,853	36,982
New Jersey .....	489,693	518,691	141,133	210,732	48,129	43,285
New York .....	1,165,204	1,288,927	639,527	661,993	51,832	48,266
Pennsylvania .....	826,651	882,491	257,826	262,220	88,504	95,102
<b>Subdistrict IC Total</b> .....	<b>438,168</b>	<b>498,798</b>	<b>437,884</b>	<b>457,154</b>	<b>384,201</b>	<b>418,049</b>
Florida .....	9,273	9,083	119,833	90,379	59,559	46,436
Georgia .....	6,677	6,430	59,140	49,268	39,208	60,485
North Carolina .....	163,759	181,453	95,456	120,367	73,053	87,182
South Carolina .....	28,157	30,344	40,794	41,076	24,906	27,157
Virginia .....	210,110	245,942	108,137	144,831	69,042	78,180
West Virginia .....	20,193	25,547	14,523	11,234	118,433	118,609
<b>PAD District II Total</b> .....	<b>923,558</b>	<b>885,239</b>	<b>593,639</b>	<b>565,136</b>	<b>658,340</b>	<b>649,804</b>
Illinois .....	34,576	31,780	84,979	77,447	59,580	52,819
Indiana .....	67,067	61,655	50,155	41,097	67,786	70,004
Iowa .....	35,476	32,976	18,859	15,175	16,315	20,597
Kansas .....	649	740	25,553	23,606	9,840	10,601
Kentucky .....	32,835	28,220	50,597	50,824	195,758	183,408
Michigan .....	173,335	164,389	74,420	75,236	41,584	43,278
Minnesota .....	140,184	147,025	39,150	43,179	44,842	38,907
Missouri .....	19,828	14,078	54,079	55,765	27,005	33,797
Nebraska .....	4,000	4,819	7,344	9,816	4,055	4,115
North Dakota .....	32,569	34,842	6,723	8,881	10,744	6,683
Ohio .....	181,673	160,908	77,648	56,879	83,688	73,064
Oklahoma .....	494	992	12,267	16,312	5,939	8,899
South Dakota .....	22,775	26,546	13,674	10,679	8,461	9,654
Tennessee .....	11,820	11,444	33,558	38,583	32,698	39,956
Wisconsin .....	166,276	164,824	44,635	41,657	50,045	54,023
<b>PAD District III Total</b> .....	<b>817</b>	<b>556</b>	<b>154,060</b>	<b>156,172</b>	<b>228,026</b>	<b>246,818</b>
Alabama .....	363	371	22,385	20,509	48,915	52,872
Arkansas .....	71	33	10,466	10,724	11,870	9,593
Louisiana .....	49	24	8,947	4,958	14,077	20,812
Mississippi .....	17	23	11,051	14,654	19,523	22,060
New Mexico .....	100	103	8,415	6,483	19,973	25,601
Texas .....	217	3	92,796	98,844	113,668	115,881
<b>PAD District IV Total</b> .....	<b>39,542</b>	<b>48,833</b>	<b>89,802</b>	<b>116,291</b>	<b>151,288</b>	<b>175,221</b>
Colorado .....	1,699	2,528	34,217	41,460	19,123	19,100
Idaho .....	21,427	22,112	19,082	25,733	31,016	29,990
Montana .....	10,595	18,422	4,963	12,947	29,128	24,327
Utah .....	3,515	4,217	18,615	21,193	20,946	26,713
Wyoming .....	2,307	1,554	12,924	14,958	51,074	75,092
<b>PAD District V Total</b> .....	<b>175,671</b>	<b>162,821</b>	<b>249,814</b>	<b>212,933</b>	<b>290,182</b>	<b>289,232</b>
Alaska .....	62,800	55,141	32,097	33,786	34,756	40,800
Arizona .....	179	276	10,991	16,925	63,157	72,582
California .....	5,433	4,227	98,146	73,223	55,527	37,738
Hawaii .....	56	7	10,651	6,400	2,272	2,523
Nevada .....	5,459	5,674	25,796	28,243	93,907	96,650
Oregon .....	39,591	34,491	32,928	26,061	19,362	23,376
Washington .....	62,151	63,006	39,205	28,295	21,200	15,562

See footnotes at end of table.

**Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Utility	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>556,126</b>	<b>625,608</b>	<b>3,230,765</b>	<b>3,334,420</b>	<b>601,185</b>	<b>684,263</b>
<b>PAD District I Total</b> .....	<b>9,552</b>	<b>9,739</b>	<b>366,050</b>	<b>401,724</b>	<b>259,605</b>	<b>283,822</b>
<b>Subdistrict IA Total</b> .....	<b>1,311</b>	<b>547</b>	<b>16,097</b>	<b>16,265</b>	<b>22,002</b>	<b>20,821</b>
Connecticut .....	359	230	5,041	2,608	2,876	1,730
Maine .....	80	—	3,511	3,723	1,057	879
Massachusetts .....	442	225	2,066	4,068	11,437	12,584
New Hampshire .....	—	—	908	908	1,212	1,673
Rhode Island .....	409	90	50	98	5,085	3,891
Vermont .....	21	2	4,522	4,861	335	64
<b>Subdistrict IB Total</b> .....	<b>3,339</b>	<b>4,358</b>	<b>96,477</b>	<b>106,055</b>	<b>113,569</b>	<b>110,298</b>
Delaware .....	282	754	2,957	5,537	3,138	8,337
District of Columbia .....	—	—	—	—	23,714	17,252
Maryland .....	568	131	24,689	26,173	27,197	24,212
New Jersey .....	858	1,492	6,551	7,159	3,919	5,173
New York .....	1,157	997	31,525	33,183	9,260	14,873
Pennsylvania .....	475	983	30,754	34,003	46,341	40,451
<b>Subdistrict IC Total</b> .....	<b>4,901</b>	<b>4,834</b>	<b>253,475</b>	<b>279,404</b>	<b>124,035</b>	<b>152,703</b>
Florida .....	1,065	549	62,753	74,869	53,779	70,455
Georgia .....	1,259	1,256	93,123	100,255	16,371	27,265
North Carolina .....	129	113	40,910	33,755	22,491	23,354
South Carolina .....	1	408	15,383	23,940	12,822	8,700
Virginia .....	1,827	1,202	37,501	42,435	7,276	10,225
West Virginia .....	619	1,307	3,806	4,150	11,295	12,703
<b>PAD District II Total</b> .....	<b>48,654</b>	<b>48,831</b>	<b>1,775,409</b>	<b>1,662,736</b>	<b>136,813</b>	<b>164,750</b>
Illinois .....	2,515	1,337	228,073	203,318	25,827	30,469
Indiana .....	2,275	2,787	114,126	92,917	16,944	18,371
Iowa .....	6	10	187,053	204,469	2,197	2,452
Kansas .....	5,156	4,868	171,323	162,074	2,664	6,270
Kentucky .....	602	300	40,295	31,907	9,092	9,057
Michigan .....	2,266	1,977	61,811	63,146	23,383	25,525
Minnesota .....	70	—	178,963	178,699	4,936	9,850
Missouri .....	57	39	62,364	58,217	6,332	5,307
Nebraska .....	796	616	192,062	173,762	1,604	1,509
North Dakota .....	6,388	8,281	111,923	103,178	3,969	5,506
Ohio .....	2,234	1,136	104,803	92,322	21,703	22,460
Oklahoma .....	26,145	27,304	76,091	75,554	890	404
South Dakota .....	30	77	82,375	79,179	280	1,241
Tennessee .....	111	98	67,414	57,476	9,886	17,990
Wisconsin .....	2	2	96,734	86,518	7,106	8,338
<b>PAD District III Total</b> .....	<b>430,696</b>	<b>484,386</b>	<b>584,125</b>	<b>714,583</b>	<b>46,031</b>	<b>65,232</b>
Alabama .....	7,422	8,403	39,490	32,062	8,231	12,792
Arkansas .....	1,062	1,419	97,092	91,367	10,016	5,629
Louisiana .....	259,279	287,714	55,409	52,736	8,632	18,728
Mississippi .....	1,935	1,128	83,245	80,786	1,549	4,436
New Mexico .....	18,757	16,855	13,432	15,008	1,199	1,560
Texas .....	142,242	168,867	295,457	442,623	16,404	22,088
<b>PAD District IV Total</b> .....	<b>26,643</b>	<b>33,844</b>	<b>208,162</b>	<b>266,930</b>	<b>5,154</b>	<b>6,309</b>
Colorado .....	10,007	10,083	61,732	88,606	665	892
Idaho .....	—	—	53,796	60,380	352	347
Montana .....	1,325	1,846	63,977	84,651	38	65
Utah .....	3,873	5,559	15,689	19,145	1,701	2,235
Wyoming .....	11,438	16,354	12,967	14,149	2,398	2,769
<b>PAD District V Total</b> .....	<b>40,581</b>	<b>48,807</b>	<b>297,020</b>	<b>288,447</b>	<b>153,582</b>	<b>164,151</b>
Alaska .....	32,713	44,091	111	2	35,935	39,170
Arizona .....	188	66	20,335	18,021	2,385	2,597
California .....	6,826	3,352	180,032	190,386	4,316	4,272
Hawaii .....	700	437	4,524	5,569	109,390	113,229
Nevada .....	52	332	3,089	4,260	504	1,864
Oregon .....	3	34	42,830	26,112	830	858
Washington .....	99	495	46,099	44,097	221	2,162

See footnotes at end of table.

**Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>3,191,023</b>	<b>3,266,861</b>	<b>1,978,105</b>	<b>2,177,608</b>	<b>25,576,433</b>	<b>26,958,668</b>
<b>PAD District I Total</b> .....	<b>517,700</b>	<b>568,371</b>	<b>499,385</b>	<b>513,469</b>	<b>8,099,324</b>	<b>8,372,128</b>
<b>Subdistrict IA Total</b> .....	<b>27,333</b>	<b>24,862</b>	<b>74,504</b>	<b>71,917</b>	<b>837,751</b>	<b>858,402</b>
Connecticut .....	6,256	6,215	3,095	2,472	199,252	<sup>E</sup> 208,249
Maine .....	6,261	5,738	18,095	12,479	129,755	135,339
Massachusetts .....	13,982	12,132	44,055	46,282	315,292	313,984
New Hampshire .....	281	149	306	737	63,113	60,949
Rhode Island .....	17	96	8,529	9,481	44,142	44,378
Vermont .....	536	532	424	466	86,197	95,503
<b>Subdistrict IB Total</b> .....	<b>180,176</b>	<b>143,614</b>	<b>147,079</b>	<b>138,053</b>	<b>3,007,852</b>	<b>3,063,474</b>
Delaware .....	427	415	1,247	6,381	62,912	59,290
District of Columbia .....	5,301	6,161	12	2	21,205	20,949
Maryland .....	26,033	28,371	19,219	20,245	323,559	355,412
New Jersey .....	72,148	63,791	100,016	81,076	488,531	532,936
New York .....	10,672	7,041	10,936	13,882	915,846	924,782
Pennsylvania .....	65,595	37,836	15,648	16,467	1,195,799	1,170,105
<b>Subdistrict IC Total</b> .....	<b>310,191</b>	<b>399,895</b>	<b>277,802</b>	<b>303,498</b>	<b>4,253,721</b>	<b>4,450,252</b>
Florida .....	86,824	103,973	154,038	166,043	1,003,655	<sup>E</sup> 962,504
Georgia .....	65,935	76,841	14,147	10,399	1,107,982	1,345,755
North Carolina .....	69,573	72,825	16,722	19,332	774,747	794,837
South Carolina .....	6,624	11,176	3,759	10,878	460,194	458,312
Virginia .....	67,787	128,748	28,866	26,093	688,044	757,666
West Virginia .....	13,449	6,332	60,271	70,752	219,099	131,178
<b>PAD District II Total</b> .....	<b>1,468,768</b>	<b>1,412,083</b>	<b>427,962</b>	<b>477,296</b>	<b>8,572,145</b>	<b>9,125,173</b>
Illinois .....	182,919	200,798	50,558	46,912	<sup>E</sup> 845,546	884,696
Indiana .....	145,163	127,691	15,812	16,934	976,069	1,036,200
Iowa .....	60,472	66,190	6,542	7,011	409,958	458,660
Kansas .....	221,920	121,763	-	-	343,175	352,872
Kentucky .....	116,553	104,310	150,574	146,330	581,148	587,549
Michigan .....	62,233	43,626	3,778	4,753	735,953	772,262
Minnesota .....	114,729	71,590	5,311	4,835	453,926	482,131
Missouri .....	21,326	22,782	88,875	163,421	737,909	767,383
Nebraska .....	111,954	165,708	-	49	312,127	336,764
North Dakota .....	46,120	46,467	-	-	131,234	135,043
Ohio .....	130,977	135,184	7,771	8,447	1,100,569	1,275,402
Oklahoma .....	100,183	152,129	527	147	496,860	541,337
South Dakota .....	4,797	1,957	-	-	135,905	141,728
Tennessee .....	95,440	96,740	94,976	76,352	728,024	754,982
Wisconsin .....	53,984	55,149	3,239	2,103	583,742	598,164
<b>PAD District III Total</b> .....	<b>524,890</b>	<b>554,336</b>	<b>748,086</b>	<b>946,627</b>	<b>4,089,230</b>	<b>4,522,044</b>
Alabama .....	41,458	44,929	49,575	55,758	691,273	646,567
Arkansas .....	49,196	57,333	2,446	2,830	488,499	495,380
Louisiana .....	17,826	23,771	444,237	608,963	481,346	508,414
Mississippi .....	22,317	21,128	19,978	23,075	374,214	400,100
New Mexico .....	14,375	19,045	-	-	107,055	314,590
Texas .....	379,717	388,130	231,850	256,001	1,946,843	2,156,993
<b>PAD District IV Total</b> .....	<b>377,048</b>	<b>450,930</b>	<b>60</b>	<b>339</b>	<b>1,117,000</b>	<b>1,094,512</b>
Colorado .....	115,691	130,661	-	-	276,585	273,207
Idaho .....	32,537	37,901	37	314	167,819	187,828
Montana .....	87,387	93,160	4	5	158,451	140,625
Utah .....	34,874	53,266	20	20	258,135	255,192
Wyoming .....	106,559	135,942	-	-	256,010	237,660
<b>PAD District V Total</b> .....	<b>302,617</b>	<b>281,141</b>	<b>302,612</b>	<b>239,877</b>	<b>3,698,734</b>	<b>3,844,811</b>
Alaska .....	3,118	2,959	103,629	94,617	109,740	34,918
Arizona .....	3,241	2,465	14	11	483,186	543,643
California .....	166,057	166,165	73,101	65,966	2,089,687	2,115,704
Hawaii .....	-	-	58,171	15,613	27,080	40,447
Nevada .....	11,132	5,452	-	-	<sup>E</sup> 172,332	<sup>E</sup> 244,609
Oregon .....	65,064	54,651	15,467	15,551	<sup>E</sup> 353,384	386,239
Washington .....	54,005	49,448	52,230	48,119	463,325	479,251

See footnotes at end of table.

**Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Military		Off-Highway		All Other		Total	
	1995	1996	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>368,219</b>	<b>371,093</b>	<b>1,939,133</b>	<b>2,063,538</b>	-	-	<b>49,157,598</b>	<b>51,730,518</b>
<b>PAD District I Total</b> .....	<b>90,954</b>	<b>80,141</b>	<b>562,165</b>	<b>612,822</b>	-	-	<b>18,566,604</b>	<b>19,581,618</b>
<b>Subdistrict IA Total</b> .....	<b>18,180</b>	<b>11,062</b>	<b>65,115</b>	<b>74,001</b>	-	-	<b>3,795,357</b>	<b>3,882,213</b>
Connecticut .....	608	3,869	9,310	9,472	-	-	879,564	945,920
Maine .....	2,512	3,530	19,683	26,279	-	-	610,046	639,953
Massachusetts .....	8,778	1,431	20,892	23,609	-	-	1,526,007	1,461,278
New Hampshire .....	1,190	52	8,134	9,266	-	-	310,744	334,487
Rhode Island .....	4,841	1,895	3,824	3,032	-	-	245,259	255,002
Vermont .....	249	286	3,272	2,342	-	-	223,737	245,572
<b>Subdistrict IB Total</b> .....	<b>23,416</b>	<b>37,195</b>	<b>150,411</b>	<b>169,667</b>	-	-	<b>7,890,871</b>	<b>8,333,782</b>
Delaware .....	1,106	1,328	4,121	6,979	-	-	139,397	160,039
District of Columbia .....	968	2,008	464	320	-	-	97,189	100,984
Maryland .....	12,463	18,014	20,615	24,404	-	-	805,665	921,013
New Jersey .....	750	1,934	25,650	30,187	-	-	1,377,377	1,496,457
New York .....	1,947	2,354	40,491	47,685	-	-	2,878,395	3,043,983
Pennsylvania .....	6,183	11,556	59,070	60,093	-	-	2,592,848	2,611,306
<b>Subdistrict IC Total</b> .....	<b>49,359</b>	<b>31,883</b>	<b>346,640</b>	<b>369,153</b>	-	-	<b>6,880,376</b>	<b>7,365,623</b>
Florida .....	11,092	7,268	112,395	118,931	-	-	1,674,266	1,650,490
Georgia .....	9,986	2,978	69,521	71,741	-	-	1,483,349	1,752,673
North Carolina .....	7,846	3,869	74,783	65,288	-	-	1,339,467	1,402,377
South Carolina .....	1,152	1,943	37,210	39,049	-	-	631,002	652,981
Virginia .....	18,910	15,260	40,660	64,299	-	-	1,278,162	1,514,881
West Virginia .....	373	564	12,070	9,845	-	-	474,131	392,221
<b>PAD District II Total</b> .....	<b>16,488</b>	<b>21,826</b>	<b>616,327</b>	<b>636,243</b>	-	-	<b>15,238,104</b>	<b>15,649,116</b>
Illinois .....	436	1,400	66,331	70,169	-	-	1,581,339	1,601,145
Indiana .....	671	1,856	32,352	33,283	-	-	1,488,418	1,502,795
Iowa .....	205	223	52,708	41,085	-	-	789,789	848,848
Kansas .....	1,093	924	32,604	28,009	-	-	813,975	711,727
Kentucky .....	2,223	1,380	41,417	44,123	-	-	1,221,094	1,187,407
Michigan .....	362	1,595	51,414	57,295	-	-	1,230,538	1,253,082
Minnesota .....	266	670	50,175	59,743	-	-	1,032,553	1,036,628
Missouri .....	2,780	2,747	47,704	43,460	-	-	1,068,260	1,166,996
Nebraska .....	407	465	18,814	17,652	-	-	653,162	715,274
North Dakota .....	1,265	1,837	8,500	5,911	-	-	359,435	356,628
Ohio .....	882	755	75,608	72,424	-	-	1,787,557	1,898,980
Oklahoma .....	1,566	1,758	22,373	32,587	-	-	743,335	857,424
South Dakota .....	913	1,677	9,188	8,416	-	-	278,398	281,154
Tennessee .....	1,250	1,375	67,103	61,492	-	-	1,142,281	1,156,489
Wisconsin .....	2,169	3,165	40,037	60,595	-	-	1,047,969	1,074,538
<b>PAD District III Total</b> .....	<b>150,648</b>	<b>158,654</b>	<b>340,094</b>	<b>401,197</b>	-	-	<b>7,296,702</b>	<b>8,250,606</b>
Alabama .....	5,213	2,622	57,027	94,290	-	-	971,354	971,175
Arkansas .....	774	1,425	30,468	22,780	-	-	701,959	698,514
Louisiana .....	24,663	34,426	65,733	100,748	-	-	1,380,197	1,661,294
Mississippi .....	4,695	3,796	30,207	38,337	-	-	568,730	609,523
New Mexico .....	1,164	1,845	14,135	17,181	-	-	198,606	418,272
Texas .....	114,139	114,539	142,524	127,861	-	-	3,475,855	3,891,829
<b>PAD District IV Total</b> .....	<b>2,193</b>	<b>5,788</b>	<b>129,014</b>	<b>171,440</b>	-	-	<b>2,145,906</b>	<b>2,370,438</b>
Colorado .....	1,506	1,113	43,013	55,310	-	-	564,238	622,960
Idaho .....	84	673	25,479	32,424	-	-	351,628	397,704
Montana .....	365	269	16,760	34,602	-	-	372,993	410,918
Utah .....	222	3,706	26,825	25,595	-	-	384,416	416,842
Wyoming .....	16	26	16,938	23,509	-	-	472,631	522,014
<b>PAD District V Total</b> .....	<b>107,936</b>	<b>104,684</b>	<b>291,532</b>	<b>241,836</b>	-	-	<b>5,910,282</b>	<b>5,878,740</b>
Alaska .....	3,947	3,612	28,567	21,892	-	-	447,415	370,986
Arizona .....	699	709	27,681	25,661	-	-	612,058	682,956
California .....	90,434	62,147	119,480	107,976	-	-	2,889,039	2,831,157
Hawaii .....	6,029	12,912	9,515	5,067	-	-	228,388	202,203
Nevada .....	811	967	10,036	12,016	-	-	323,119	400,068
Oregon .....	850	1,548	48,118	23,523	-	-	618,427	592,443
Washington .....	5,165	22,790	48,135	45,702	-	-	791,837	798,927

<sup>E</sup> Estimated data. Florida's 1996 estimate is based on seven months of data. Nevada's 1996 estimate is based on eight months of data. Illinois' and Nevada's 1995 data are based on eleven months of data. Oregon's 1995 and Connecticut's 1996 data are a Federal Highway Administration estimate.

Dashes (-) = No data reported.

Note: 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 1995 and 1996.

• Electric Utility data are based on data obtained on Form EIA-759, "Monthly Power Plant Report," and Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

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

**Table 17. Adjusted Sales of Residual Fuel Oil by End Use, 1995 and 1996**

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Utility	
	1995	1996	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>1,007,962</b>	<b>944,717</b>	<b>2,160,606</b>	<b>2,127,457</b>	<b>231,022</b>	<b>170,471</b>	<b>3,164,462</b>	<b>3,925,629</b>
<b>PAD District I Total</b> .....	<b>979,265</b>	<b>909,145</b>	<b>1,573,973</b>	<b>1,624,561</b>	<b>110,443</b>	<b>103,635</b>	<b>2,674,215</b>	<b>3,335,296</b>
Subdistrict IA Total .....	219,050	198,265	500,146	512,157	226	837	616,928	858,167
Connecticut .....	20,030	19,679	32,844	41,475	226	247	88,568	382,237
Maine .....	16,540	21,986	330,119	333,976	-	-	55,941	55,163
Massachusetts .....	137,470	105,221	65,156	72,583	-	590	379,955	371,371
New Hampshire .....	19,518	19,356	48,895	41,421	-	-	91,167	49,397
Rhode Island .....	22,333	28,887	16,672	13,622	-	-	1,297	-
Vermont .....	3,160	3,137	6,460	9,081	-	-	-	-
Subdistrict IB Total .....	734,333	684,050	297,021	340,468	109,528	102,406	934,627	1,063,928
Delaware .....	5,887	9,581	31,465	39,767	38,831	23,437	74,467	62,664
District of Columbia .....	5,827	4,148	7	10	-	-	-	-
Maryland .....	5,332	4,656	31,941	58,270	688	665	82,388	69,658
New Jersey .....	55,431	55,465	82,445	69,503	2,691	2,383	81,105	131,149
New York .....	607,151	553,766	87,863	105,418	1,253	909	567,114	655,673
Pennsylvania .....	54,705	56,434	63,300	67,500	66,065	75,012	129,553	144,785
Subdistrict IC Total .....	25,881	26,829	776,806	771,936	689	391	1,122,659	1,413,201
Florida .....	6,171	4,275	219,887	161,507	65	79	1,093,117	1,370,198
Georgia .....	515	457	116,400	149,144	-	-	1,588	3,751
North Carolina .....	8,294	9,510	258,785	271,839	-	-	-	-
South Carolina .....	1,711	1,621	94,314	97,068	184	147	-	-
Virginia .....	9,190	10,966	78,617	77,317	440	165	27,955	39,253
West Virginia .....	-	-	8,803	15,061	-	-	-	-
<b>PAD District II Total</b> .....	<b>15,886</b>	<b>22,520</b>	<b>221,377</b>	<b>260,044</b>	<b>70,015</b>	<b>29,256</b>	<b>84,128</b>	<b>88,480</b>
Illinois .....	2,011	8,208	5,031	21,581	11,204	4,051	40,518	41,217
Indiana .....	1,421	587	38,181	44,230	31,995	-	3,466	-
Iowa .....	-	35	4,118	4,036	-	-	-	-
Kansas .....	527	77	821	5,740	-	-	-	-
Kentucky .....	-	7	3,868	6,767	5,144	3,748	-	-
Michigan .....	215	198	16,904	15,296	1,044	2,658	32,391	36,294
Minnesota .....	4,993	5,988	14,568	18,722	9,421	9,122	-	3,117
Missouri .....	46	244	14,296	13,359	-	-	6,613	7,299
Nebraska .....	27	-	5,381	7,244	-	-	-	-
North Dakota .....	846	252	2,833	5,604	3,659	-	-	5
Ohio .....	203	74	57,582	64,457	3,402	4,812	1,140	549
Oklahoma .....	12	-	14,739	11,194	-	-	-	-
South Dakota .....	109	-	503	1,731	-	-	-	-
Tennessee .....	636	1,199	15,297	7,704	195	115	-	-
Wisconsin .....	4,839	5,651	27,256	32,380	3,952	4,750	-	-
<b>PAD District III Total</b> .....	<b>119</b>	<b>60</b>	<b>170,352</b>	<b>171,588</b>	<b>210</b>	<b>-</b>	<b>449</b>	<b>72,869</b>
Alabama .....	118	25	22,565	30,520	-	-	-	-
Arkansas .....	-	9	9,136	5,005	-	-	-	4,422
Louisiana .....	-	26	17,109	32,246	-	-	422	5,175
Mississippi .....	-	-	3,608	4,865	-	-	27	63,233
New Mexico .....	-	-	8,001	8,389	-	-	-	-
Texas .....	-	-	109,932	90,565	210	-	-	39
<b>PAD District IV Total</b> .....	<b>927</b>	<b>881</b>	<b>10,985</b>	<b>3,725</b>	<b>12,870</b>	<b>7,624</b>	<b>302</b>	<b>-</b>
Colorado .....	-	-	7	171	-	-	-	-
Idaho .....	195	182	101	98	-	-	237	-
Montana .....	147	108	919	101	9,512	7,624	-	-
Utah .....	572	585	9,215	3,143	3,357	-	-	-
Wyoming .....	13	6	743	213	-	-	64	-
<b>PAD District V Total</b> .....	<b>11,767</b>	<b>12,112</b>	<b>183,919</b>	<b>67,539</b>	<b>37,484</b>	<b>29,956</b>	<b>405,369</b>	<b>428,983</b>
Alaska .....	-	-	16,800	16,756	-	-	-	-
Arizona .....	-	208	3,040	3,443	46	-	-	-
California .....	179	529	65,537	11,687	39	1,453	-	-
Hawaii .....	2,790	545	8,034	11,056	36,045	27,752	405,268	428,912
Nevada .....	-	-	48,426	5,465	44	116	-	-
Oregon .....	3,883	3,575	14,534	5,784	-	-	101	71
Washington .....	4,915	7,255	27,547	13,347	1,310	635	-	-

See footnotes at end of table.

**Table 17. Adjusted Sales of Residual Fuel Oil by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	1995	1996	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>6,431,238</b>	<b>5,804,977</b>	<b>55,614</b>	<b>57,249</b>	<b>7,359</b>	<b>10,542</b>	<b>13,058,262</b>	<b>13,041,042</b>
<b>PAD District I Total</b> .....	<b>1,299,435</b>	<b>1,360,439</b>	<b>43,676</b>	<b>40,120</b>	<b>5,002</b>	<b>7,792</b>	<b>6,686,008</b>	<b>7,380,987</b>
<b>Subdistrict IA Total</b> .....	<b>10,652</b>	<b>86,070</b>	<b>7,993</b>	<b>11,212</b>	<b>1,244</b>	<b>354</b>	<b>1,356,240</b>	<b>1,667,063</b>
Connecticut .....	-	177	514	1,376	741	-	142,923	445,191
Maine .....	4,117	2,055	5,013	6,676	358	354	412,089	420,210
Massachusetts .....	6,490	83,533	2,432	3,160	144	-	591,648	636,458
New Hampshire .....	-	212	-	-	-	-	159,580	110,385
Rhode Island .....	45	92	34	-	-	-	40,381	42,601
Vermont .....	-	-	-	-	-	-	9,619	12,218
<b>Subdistrict IB Total</b> .....	<b>744,913</b>	<b>788,155</b>	<b>20,898</b>	<b>14,018</b>	<b>6</b>	<b>-</b>	<b>2,841,327</b>	<b>2,993,025</b>
Delaware .....	44,207	85,645	1,933	806	6	-	196,796	221,901
District of Columbia .....	-	-	-	-	-	-	5,833	4,158
Maryland .....	31,241	25,976	10,466	6,731	-	-	162,056	165,955
New Jersey .....	357,584	255,860	2,941	4,289	-	-	582,198	518,649
New York .....	100,276	277,974	3,545	890	-	-	1,367,202	1,594,629
Pennsylvania .....	211,605	142,699	2,013	1,302	-	-	527,241	487,732
<b>Subdistrict IC Total</b> .....	<b>543,869</b>	<b>486,214</b>	<b>14,785</b>	<b>14,890</b>	<b>3,752</b>	<b>7,438</b>	<b>2,488,441</b>	<b>2,720,900</b>
Florida .....	375,361	350,235	2,468	1,581	3,118	7,385	1,700,189	1,895,260
Georgia .....	61,967	53,561	-	-	-	-	180,470	206,913
North Carolina .....	6,511	7,572	6,880	6,635	68	53	280,538	295,610
South Carolina .....	17,769	25,732	1,581	2,920	39	-	115,598	127,487
Virginia .....	82,261	48,940	3,856	3,754	525	-	202,843	180,395
West Virginia .....	-	174	-	-	-	-	8,803	15,235
<b>PAD District II Total</b> .....	<b>20,505</b>	<b>24,428</b>	<b>338</b>	<b>657</b>	<b>185</b>	<b>-</b>	<b>412,434</b>	<b>425,385</b>
Illinois .....	1,248	1,286	338	21	38	-	60,389	76,363
Indiana .....	10,517	12,674	-	-	-	-	85,580	57,491
Iowa .....	-	-	-	-	8	-	4,126	4,070
Kansas .....	-	-	-	-	-	-	1,349	5,817
Kentucky .....	-	-	-	-	-	-	9,012	10,522
Michigan .....	4,209	5,196	-	122	43	-	54,807	59,763
Minnesota .....	-	-	-	-	-	-	28,982	36,948
Missouri .....	945	247	-	514	-	-	21,900	21,663
Nebraska .....	-	-	-	-	3	-	5,411	7,244
North Dakota .....	-	-	-	-	-	-	7,338	5,861
Ohio .....	2,519	3,570	-	-	-	-	64,847	73,462
Oklahoma .....	-	-	-	-	-	-	14,751	11,194
South Dakota .....	-	-	-	-	-	-	611	1,731
Tennessee .....	84	90	-	-	-	-	16,211	9,109
Wisconsin .....	981	1,365	-	-	92	-	37,119	44,146
<b>PAD District III Total</b> .....	<b>2,139,498</b>	<b>2,050,735</b>	<b>1,958</b>	<b>4,767</b>	<b>-</b>	<b>31</b>	<b>2,312,585</b>	<b>2,300,050</b>
Alabama .....	116,608	105,997	-	-	-	-	139,291	136,541
Arkansas .....	-	-	-	-	-	-	9,136	9,436
Louisiana .....	1,013,170	1,101,644	1,958	1,881	-	-	1,032,660	1,140,972
Mississippi .....	112,835	72,515	-	-	-	-	116,470	140,613
New Mexico .....	-	-	-	-	-	31	8,001	8,420
Texas .....	896,885	770,579	-	2,886	-	-	1,007,027	864,069
<b>PAD District IV Total</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>228</b>	<b>71</b>	<b>25,312</b>	<b>12,309</b>
Colorado .....	-	-	-	8	4	4	11	182
Idaho .....	-	-	-	-	31	5	564	285
Montana .....	-	-	-	-	-	-	10,578	7,833
Utah .....	-	-	-	-	44	24	13,188	3,752
Wyoming .....	-	-	-	-	150	38	970	257
<b>PAD District V Total</b> .....	<b>2,971,800</b>	<b>2,369,375</b>	<b>9,641</b>	<b>11,697</b>	<b>1,944</b>	<b>2,649</b>	<b>3,621,924</b>	<b>2,922,311</b>
Alaska .....	5,106	152	-	-	-	-	21,907	16,908
Arizona .....	-	-	-	-	-	-	3,086	3,651
California .....	1,964,209	1,680,188	8,530	7,509	114	28	2,038,608	1,701,395
Hawaii .....	119,788	26,931	131	3,460	1,806	2,621	573,863	501,276
Nevada .....	-	-	-	-	-	-	48,470	5,582
Oregon .....	141,344	131,310	980	-	24	-	160,866	140,740
Washington .....	741,353	530,794	-	729	-	-	775,124	552,760

Dashes (-) = No data reported.

Note: 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 1995 and 1996.

• Electric Utility data are based on data obtained on Form EIA-759, "Monthly Power Plant Report," and Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1995 and 1996, (DOE/EIA-0340(95)/1 - (96)/1).

**Table 18. Adjusted Sales of Kerosene by End Use, 1995 and 1996**

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>550,336</b>	<b>657,636</b>	<b>163,716</b>	<b>155,792</b>	<b>86,902</b>	<b>102,322</b>
<b>PAD District I Total</b> .....	<b>440,639</b>	<b>530,407</b>	<b>132,354</b>	<b>116,949</b>	<b>59,357</b>	<b>65,977</b>
<b>Subdistrict IA Total</b> .....	<b>78,901</b>	<b>95,280</b>	<b>16,254</b>	<b>13,593</b>	<b>7,148</b>	<b>2,962</b>
Connecticut .....	5,127	5,217	1,144	3,012	3,904	1,062
Maine .....	45,725	57,548	6,783	6,222	933	453
Massachusetts .....	5,463	6,219	4,615	1,965	1,365	474
New Hampshire .....	13,901	16,486	1,834	1,746	603	435
Rhode Island .....	1,123	1,268	1,278	82	284	119
Vermont .....	7,563	8,542	600	566	60	420
<b>Subdistrict IB Total</b> .....	<b>176,460</b>	<b>206,836</b>	<b>90,240</b>	<b>75,937</b>	<b>40,764</b>	<b>47,702</b>
Delaware .....	5,037	7,574	99	260	10	2,017
District of Columbia .....	265	259	5,402	4,251	-	-
Maryland .....	22,450	24,925	8,807	6,324	1,520	1,305
New Jersey .....	9,926	11,912	23,761	10,216	17,257	13,030
New York .....	52,099	60,898	30,006	31,554	16,640	27,225
Pennsylvania .....	86,682	101,268	22,166	23,333	5,337	4,125
<b>Subdistrict IC Total</b> .....	<b>185,278</b>	<b>228,291</b>	<b>25,859</b>	<b>27,418</b>	<b>11,444</b>	<b>15,312</b>
Florida .....	8,846	11,067	4,002	4,445	210	1,230
Georgia .....	5,278	6,047	1,477	1,311	1,053	1,379
North Carolina .....	88,104	106,932	6,178	7,496	3,429	5,399
South Carolina .....	19,751	23,570	1,094	977	2,849	3,417
Virginia .....	51,244	64,847	11,566	11,651	1,838	1,485
West Virginia .....	12,055	15,829	1,542	1,538	2,065	2,401
<b>PAD District II Total</b> .....	<b>93,893</b>	<b>107,822</b>	<b>25,255</b>	<b>30,506</b>	<b>15,373</b>	<b>19,453</b>
Illinois .....	3,521	4,020	3,375	2,826	3,991	4,917
Indiana .....	9,016	12,096	2,947	2,887	1,221	1,903
Iowa .....	1,032	1,247	106	184	205	118
Kansas .....	533	808	236	208	90	115
Kentucky .....	17,428	18,410	4,925	4,649	2,813	3,092
Michigan .....	9,772	9,646	4,285	6,278	894	937
Minnesota .....	2,097	2,558	979	1,123	106	97
Missouri .....	1,357	2,368	432	1,138	111	1,034
Nebraska .....	157	159	168	167	27	44
North Dakota .....	154	224	54	74	2	3
Ohio .....	31,432	34,377	3,727	6,507	4,355	5,204
Oklahoma .....	156	843	216	210	104	181
South Dakota .....	156	216	30	25	3	8
Tennessee .....	15,644	19,139	3,362	3,722	1,110	1,357
Wisconsin .....	1,439	1,711	412	510	341	444
<b>PAD District III Total</b> .....	<b>5,758</b>	<b>6,706</b>	<b>3,241</b>	<b>2,768</b>	<b>8,889</b>	<b>10,679</b>
Alabama .....	2,789	2,675	402	392	1,739	1,988
Arkansas .....	584	493	190	222	422	299
Louisiana .....	380	707	250	313	796	971
Mississippi .....	847	941	312	233	724	796
New Mexico .....	235	274	147	31	220	331
Texas .....	923	1,616	1,940	1,577	4,987	6,293
<b>PAD District IV Total</b> .....	<b>1,632</b>	<b>1,626</b>	<b>441</b>	<b>585</b>	<b>1,022</b>	<b>1,158</b>
Colorado .....	836	868	190	245	55	62
Idaho .....	627	526	128	153	4	7
Montana .....	21	28	11	20	3	3
Utah .....	121	176	45	119	50	73
Wyoming .....	27	29	66	49	909	1,013
<b>PAD District V Total</b> .....	<b>8,415</b>	<b>11,075</b>	<b>2,426</b>	<b>4,984</b>	<b>2,263</b>	<b>5,055</b>
Alaska .....	13	12	20	6	5	4
Arizona .....	85	118	49	102	18	47
California .....	3,397	4,343	1,122	2,889	1,782	4,404
Hawaii .....	1	1	5	2	14	15
Nevada .....	240	263	53	64	53	55
Oregon .....	1,072	1,700	594	1,580	103	205
Washington .....	3,607	4,640	582	342	287	326

See footnotes at end of table.

**Table 18. Adjusted Sales of Kerosene by End Use, 1995 and 1996 (Continued)**

(Thousand Gallons)

Destination	Farm		All Other		Total	
	1995	1996	1995	1996	1995	1996
<b>U.S. Total</b> .....	<b>19,919</b>	<b>26,017</b>	<b>7,576</b>	<b>7,223</b>	<b>828,450</b>	<b>948,990</b>
<b>PAD District I Total</b> .....	<b>7,629</b>	<b>9,408</b>	<b>3,476</b>	<b>3,008</b>	<b>643,455</b>	<b>725,749</b>
<b>Subdistrict IA Total</b> .....	<b>685</b>	<b>974</b>	<b>413</b>	<b>236</b>	<b>103,401</b>	<b>113,046</b>
Connecticut .....	20	9	58	-	10,254	9,300
Maine .....	220	239	146	40	53,806	64,502
Massachusetts .....	65	106	51	26	11,559	8,788
New Hampshire .....	105	186	86	81	16,529	18,934
Rhode Island .....	-	-	-	1	2,685	1,470
Vermont .....	274	434	72	88	8,569	10,050
<b>Subdistrict IB Total</b> .....	<b>1,707</b>	<b>2,702</b>	<b>1,800</b>	<b>2,244</b>	<b>310,972</b>	<b>335,421</b>
Delaware .....	44	35	151	1	5,341	9,886
District of Columbia .....	-	-	-	-	5,667	4,510
Maryland .....	728	875	157	265	33,662	33,693
New Jersey .....	7	38	126	140	51,077	35,337
New York .....	287	1,099	255	337	99,287	121,113
Pennsylvania .....	641	655	1,111	1,501	115,938	130,882
<b>Subdistrict IC Total</b> .....	<b>5,238</b>	<b>5,732</b>	<b>1,262</b>	<b>528</b>	<b>229,082</b>	<b>277,282</b>
Florida .....	80	140	18	8	13,156	16,891
Georgia .....	172	2	227	159	8,206	8,898
North Carolina .....	781	1,433	619	105	99,111	121,364
South Carolina .....	217	279	182	11	24,094	28,254
Virginia .....	3,246	3,239	56	59	67,951	81,282
West Virginia .....	743	639	160	186	16,564	20,593
<b>PAD District II Total</b> .....	<b>10,186</b>	<b>14,878</b>	<b>2,603</b>	<b>2,916</b>	<b>147,310</b>	<b>175,575</b>
Illinois .....	881	4,303	547	666	12,315	16,733
Indiana .....	498	1,331	182	296	13,865	18,513
Iowa .....	1,499	691	37	23	2,879	2,262
Kansas .....	222	397	115	21	1,197	1,549
Kentucky .....	1,305	1,729	724	273	27,194	28,152
Michigan .....	233	382	205	429	15,389	17,672
Minnesota .....	1,167	1,190	14	191	4,362	5,158
Missouri .....	237	302	95	49	2,231	4,892
Nebraska .....	249	315	101	125	702	810
North Dakota .....	8	7	6	15	224	322
Ohio .....	3,161	3,488	350	592	43,025	50,167
Oklahoma .....	82	62	65	55	623	1,351
South Dakota .....	67	99	3	15	259	364
Tennessee .....	374	264	74	104	20,564	24,586
Wisconsin .....	204	318	84	62	2,480	3,046
<b>PAD District III Total</b> .....	<b>425</b>	<b>516</b>	<b>837</b>	<b>517</b>	<b>19,149</b>	<b>21,185</b>
Alabama .....	9	8	135	19	5,075	5,082
Arkansas .....	84	52	349	34	1,629	1,099
Louisiana .....	17	69	111	214	1,554	2,274
Mississippi .....	24	84	67	9	1,974	2,064
New Mexico .....	24	13	52	59	678	709
Texas .....	267	290	122	182	8,240	9,958
<b>PAD District IV Total</b> .....	<b>175</b>	<b>186</b>	<b>101</b>	<b>126</b>	<b>3,369</b>	<b>3,681</b>
Colorado .....	84	120	58	71	1,223	1,366
Idaho .....	35	35	34	5	828	726
Montana .....	4	3	-	1	40	54
Utah .....	52	20	2	7	270	394
Wyoming .....	-	9	6	41	1,008	1,141
<b>PAD District V Total</b> .....	<b>1,504</b>	<b>1,029</b>	<b>560</b>	<b>657</b>	<b>15,167</b>	<b>22,801</b>
Alaska .....	-	-	-	1	37	23
Arizona .....	4	5	2	17	159	288
California .....	308	359	267	365	6,877	12,360
Hawaii .....	1	3	-	-	22	22
Nevada .....	12	15	11	3	370	399
Oregon .....	605	71	248	182	2,623	3,737
Washington .....	574	576	31	89	5,081	5,972

Dashes (-) = No data reported.

Note: 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 1995 and 1996.

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1995 and 1996, (DOE/EIA-0340(95)/1 - (96)/1).



**Table 19. Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 1996**  
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
<b>U.S. Total</b> .....	<b>185,326</b>	<b>6,522,388</b>	<b>6,707,714</b>	<b>657,636</b>
<b>PAD District I Total</b> .....	<b>31,859</b>	<b>5,578,405</b>	<b>5,610,264</b>	<b>530,407</b>
<b>Subdistrict IA Total</b> .....	<b>13,598</b>	<b>2,100,664</b>	<b>2,114,262</b>	<b>95,280</b>
Connecticut .....	2,428	560,309	562,737	5,217
Maine .....	2,759	319,007	321,766	57,548
Massachusetts .....	7,533	775,106	782,639	6,219
New Hampshire .....	879	197,011	197,890	16,486
Rhode Island .....	-	148,306	148,306	1,268
Vermont .....	-	100,925	100,925	8,542
<b>Subdistrict IB Total</b> .....	<b>15,165</b>	<b>2,982,039</b>	<b>2,997,204</b>	<b>206,836</b>
Delaware .....	-	46,513	46,513	7,574
District of Columbia .....	-	12,879	12,879	259
Maryland .....	517	247,186	247,703	24,925
New Jersey .....	54	518,637	518,691	11,912
New York .....	-	1,288,927	1,288,927	60,898
Pennsylvania .....	14,594	867,897	882,491	101,268
<b>Subdistrict IC Total</b> .....	<b>3,096</b>	<b>495,702</b>	<b>498,798</b>	<b>228,291</b>
Florida .....	21	9,062	9,083	11,067
Georgia .....	64	6,366	6,430	6,047
North Carolina .....	162	181,291	181,453	106,932
South Carolina .....	1,063	29,281	30,344	23,570
Virginia .....	1,340	244,602	245,942	64,847
West Virginia .....	446	25,101	25,547	15,829
<b>PAD District II Total</b> .....	<b>107,786</b>	<b>777,453</b>	<b>885,239</b>	<b>107,822</b>
Illinois .....	5,431	26,350	31,781	4,020
Indiana .....	9,885	51,770	61,655	12,096
Iowa .....	6,171	26,805	32,976	1,247
Kansas .....	401	339	740	808
Kentucky .....	1,743	26,477	28,220	18,410
Michigan .....	14,521	149,868	164,389	9,646
Minnesota .....	32,121	114,904	147,025	2,558
Missouri .....	2,289	11,790	14,079	2,368
Nebraska .....	1,799	3,020	4,819	159
North Dakota .....	7,252	27,590	34,842	224
Ohio .....	3,330	157,577	160,907	34,377
Oklahoma .....	828	164	992	843
South Dakota .....	7,008	19,539	26,547	216
Tennessee .....	1,011	10,434	11,445	19,139
Wisconsin .....	13,996	150,828	164,824	1,711
<b>PAD District III Total</b> .....	<b>81</b>	<b>475</b>	<b>556</b>	<b>6,706</b>
Alabama .....	40	331	371	2,675
Arkansas .....	-	33	33	493
Louisiana .....	20	4	24	707
Mississippi .....	1	22	23	941
New Mexico .....	20	83	103	274
Texas .....	-	3	3	1,616
<b>PAD District IV Total</b> .....	<b>17,584</b>	<b>31,249</b>	<b>48,833</b>	<b>1,626</b>
Colorado .....	262	2,265	2,527	868
Idaho .....	4,055	18,057	22,112	526
Montana .....	12,482	5,939	18,421	28
Utah .....	465	3,752	4,217	176
Wyoming .....	319	1,236	1,555	29
<b>PAD District V Total</b> .....	<b>28,015</b>	<b>134,806</b>	<b>162,821</b>	<b>11,075</b>
Alaska .....	22,304	32,837	55,141	12
Arizona .....	20	256	276	118
California .....	205	4,022	4,227	4,343
Hawaii .....	-	7	7	1
Nevada .....	279	5,396	5,675	263
Oregon .....	2,215	32,276	34,491	1,700
Washington .....	2,994	60,012	63,006	4,640

Dashes (-) = No data reported.

Note: 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 1996.

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

**Table 20. Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1996**  
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate			
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel					No. 2 Total
<b>U.S. Total</b>	<b>130,221</b>	<b>1,503,538</b>	<b>1,000,648</b>	<b>460,345</b>	<b>2,964,532</b>	<b>338,803</b>	<b>3,433,555</b>	<b>944,717</b>	<b>155,792</b>
<b>PAD District I Total</b>	<b>21,815</b>	<b>1,366,539</b>	<b>456,702</b>	<b>200,216</b>	<b>2,023,457</b>	<b>337,752</b>	<b>2,383,023</b>	<b>909,145</b>	<b>116,949</b>
<b>Subdistrict IA Total</b>	<b>3,446</b>	<b>422,984</b>	<b>84,221</b>	<b>20,767</b>	<b>527,971</b>	<b>62,863</b>	<b>594,280</b>	<b>198,265</b>	<b>13,593</b>
Connecticut	120	97,372	18,969	943	117,284	8,689	126,094	19,679	3,012
Maine	489	81,254	15,718	1,893	98,865	3,945	103,298	21,986	6,222
Massachusetts	584	163,176	24,958	12,161	200,294	39,386	240,265	105,221	1,965
New Hampshire	281	37,802	12,047	966	50,815	5,178	56,274	19,356	1,746
Rhode Island	1,972	20,161	6,894	1,548	28,603	3,871	34,445	28,887	82
Vermont	-	23,218	5,635	3,257	32,110	1,794	33,904	3,137	566
<b>Subdistrict IB Total</b>	<b>16,733</b>	<b>796,288</b>	<b>196,118</b>	<b>52,309</b>	<b>1,044,714</b>	<b>270,142</b>	<b>1,331,590</b>	<b>684,050</b>	<b>75,937</b>
Delaware	-	10,684	2,267	1,481	14,431	1,884	16,316	9,581	260
District of Columbia	-	27,548	5,785	1,026	34,359	6,605	40,964	4,148	4,251
Maryland	505	89,481	29,748	17,637	136,865	1,996	139,366	4,656	6,324
New Jersey	14,197	127,163	32,324	4,735	164,223	32,312	210,732	55,465	10,216
New York	1,833	382,682	51,913	5,281	439,876	220,284	661,993	553,766	31,554
Pennsylvania	197	158,731	74,081	22,149	254,961	7,062	262,220	56,434	23,333
<b>Subdistrict IC Total</b>	<b>1,636</b>	<b>147,267</b>	<b>176,363</b>	<b>127,140</b>	<b>450,771</b>	<b>4,747</b>	<b>457,154</b>	<b>26,829</b>	<b>27,418</b>
Florida	712	5,399	63,797	20,309	89,506	161	90,379	4,275	4,445
Georgia	259	5,655	31,310	12,044	49,009	-	49,268	457	1,311
North Carolina	32	48,826	22,720	46,128	117,674	2,661	120,367	9,510	7,496
South Carolina	4	5,038	21,724	14,310	41,072	-	41,072	1,621	977
Virginia	83	79,402	31,352	32,170	142,924	1,823	144,831	10,966	11,651
West Virginia	546	2,947	5,460	2,179	10,586	101	11,234	-	1,538
<b>PAD District II Total</b>	<b>69,155</b>	<b>107,647</b>	<b>244,726</b>	<b>142,886</b>	<b>495,259</b>	<b>722</b>	<b>565,136</b>	<b>22,520</b>	<b>30,506</b>
Illinois	30,362	14,545	18,238	14,223	47,006	78	77,447	8,208	2,826
Indiana	2,781	12,621	13,973	11,719	38,313	3	41,097	587	2,887
Iowa	4,164	2,180	7,377	1,454	11,012	-	15,175	35	184
Kansas	3,393	289	15,482	4,442	20,212	-	23,606	77	208
Kentucky	340	4,528	26,634	19,058	50,219	265	50,824	7	4,649
Michigan	11,093	13,538	37,829	12,776	64,144	-	75,236	198	6,278
Minnesota	6,677	17,323	12,508	6,670	36,502	-	43,179	5,988	1,123
Missouri	2,840	4,197	23,543	25,149	52,890	36	55,765	244	1,138
Nebraska	997	606	6,562	1,651	8,819	-	9,816	-	167
North Dakota	1,288	4,118	2,404	1,072	7,593	-	8,881	252	74
Ohio	128	9,940	25,233	21,332	56,505	245	56,879	74	6,507
Oklahoma	379	-	14,698	1,235	15,933	-	16,312	-	210
South Dakota	1,467	4,836	3,817	558	9,211	-	10,679	-	25
Tennessee	144	2,510	22,056	13,848	38,414	25	38,583	1,199	3,722
Wisconsin	3,101	16,415	14,371	7,701	38,486	70	41,657	5,651	510
<b>PAD District III Total</b>	<b>3,340</b>	<b>6,506</b>	<b>90,140</b>	<b>56,187</b>	<b>152,832</b>	<b>-</b>	<b>156,172</b>	<b>60</b>	<b>2,768</b>
Alabama	19	1,775	11,577	7,138	20,490	-	20,509	25	392
Arkansas	68	5	5,882	4,769	10,656	-	10,724	9	222
Louisiana	135	165	2,772	1,885	4,822	-	4,958	26	313
Mississippi	21	483	8,441	5,710	14,634	-	14,654	-	233
New Mexico	191	55	5,123	1,114	6,292	-	6,483	-	31
Texas	2,907	4,022	56,345	35,570	95,938	-	98,844	-	1,577
<b>PAD District IV Total</b>	<b>15,927</b>	<b>7,545</b>	<b>78,827</b>	<b>13,992</b>	<b>100,364</b>	<b>-</b>	<b>116,291</b>	<b>881</b>	<b>585</b>
Colorado	7,826	1,279	30,647	1,708	33,634	-	41,460	-	245
Idaho	1,277	1,764	15,365	7,327	24,456	-	25,733	182	153
Montana	1,582	1,972	9,195	198	11,365	-	12,947	108	20
Utah	1,380	766	14,680	4,366	19,813	-	21,193	585	119
Wyoming	3,863	1,764	8,939	392	11,095	-	14,958	6	49
<b>PAD District V Total</b>	<b>19,984</b>	<b>15,302</b>	<b>130,254</b>	<b>47,065</b>	<b>192,621</b>	<b>329</b>	<b>212,933</b>	<b>12,112</b>	<b>4,984</b>
Alaska	14,475	9,577	29	9,383	18,989	321	33,786	-	6
Arizona	92	8	14,139	2,686	16,833	-	16,925	208	102
California	455	1,603	60,896	10,270	72,768	-	73,223	529	2,889
Hawaii	3	92	4,352	1,953	6,397	-	6,400	545	2
Nevada	727	943	22,450	4,122	27,516	-	28,243	-	64
Oregon	1,532	1,657	12,202	10,663	24,522	7	26,061	3,575	1,580
Washington	2,699	1,422	16,186	7,988	25,596	-	28,295	7,255	342

Dashes (-) = No data reported.

Note: 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 1996.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

**Table 21. Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1996**  
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel			Total Distillate
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
<b>U.S. Total</b>	<b>57,658</b>	<b>442,883</b>	<b>541,074</b>	<b>1,004,883</b>	<b>1,988,840</b>	<b>60,692</b>	<b>2,107,190</b>	<b>2,127,457</b>	<b>102,322</b>
<b>PAD District I Total</b>	<b>3,025</b>	<b>268,337</b>	<b>94,902</b>	<b>323,289</b>	<b>686,528</b>	<b>56,562</b>	<b>746,115</b>	<b>1,624,561</b>	<b>65,977</b>
<b>Subdistrict IA Total</b>	<b>64</b>	<b>60,286</b>	<b>10,234</b>	<b>4,612</b>	<b>75,132</b>	<b>20,597</b>	<b>95,792</b>	<b>512,157</b>	<b>2,962</b>
Connecticut	-	11,603	733	131	12,466	9,778	22,245	41,475	1,062
Maine	64	23,381	1,828	477	25,687	1,171	26,922	333,976	453
Massachusetts	-	13,926	2,928	2,469	19,323	4,735	24,058	72,583	474
New Hampshire	-	3,518	1,486	467	5,471	1,118	6,589	41,421	435
Rhode Island	-	3,402	2,650	613	6,665	2,626	9,291	13,622	119
Vermont	-	4,456	608	455	5,519	1,168	6,687	9,081	420
<b>Subdistrict IB Total</b>	<b>788</b>	<b>106,558</b>	<b>40,975</b>	<b>56,231</b>	<b>203,764</b>	<b>27,722</b>	<b>232,274</b>	<b>340,468</b>	<b>47,702</b>
Delaware	-	1,646	3,636	2,795	8,077	113	8,190	39,767	2,017
District of Columbia	-	316	133	-	448	-	448	10	-
Maryland	596	15,794	10,658	8,159	34,611	1,775	36,982	58,270	1,305
New Jersey	2	26,260	991	4,445	31,697	11,587	43,285	69,503	13,030
New York	-	32,643	2,801	6,927	42,371	5,895	48,266	105,418	27,225
Pennsylvania	189	29,899	22,756	33,905	86,560	8,352	95,102	67,500	4,125
<b>Subdistrict IC Total</b>	<b>2,173</b>	<b>101,493</b>	<b>43,693</b>	<b>262,447</b>	<b>407,633</b>	<b>8,243</b>	<b>418,049</b>	<b>771,936</b>	<b>15,312</b>
Florida	14	5,261	6,495	29,843	41,599	4,823	46,436	161,507	1,230
Georgia	-	12,340	6,603	41,136	60,079	406	60,485	149,144	1,379
North Carolina	-	37,655	12,679	34,772	85,106	2,077	87,182	271,839	5,399
South Carolina	-	11,037	4,908	10,730	26,674	482	27,157	97,068	3,417
Virginia	-	22,360	6,737	48,640	77,737	443	78,180	77,317	1,485
West Virginia	2,159	12,841	6,270	97,326	116,437	12	118,609	15,061	2,401
<b>PAD District II Total</b>	<b>25,623</b>	<b>150,186</b>	<b>118,300</b>	<b>352,830</b>	<b>621,316</b>	<b>2,865</b>	<b>649,804</b>	<b>260,044</b>	<b>19,453</b>
Illinois	1,488	12,368	8,852	30,061	51,281	50	52,819	21,581	4,917
Indiana	2,074	27,517	21,401	18,808	67,726	205	70,004	44,230	1,903
Iowa	1,763	1,538	14,470	2,826	18,834	-	20,597	4,036	118
Kansas	499	853	5,565	3,670	10,088	15	10,601	5,740	115
Kentucky	207	9,632	12,106	160,811	182,549	653	183,408	6,767	3,092
Michigan	524	13,384	10,790	18,580	42,754	-	43,278	15,296	937
Minnesota	8,350	19,942	3,341	7,191	30,474	83	38,907	18,722	97
Missouri	2,212	10,423	11,931	8,884	31,239	346	33,797	13,359	1,034
Nebraska	554	157	989	2,415	3,561	-	4,115	7,244	44
North Dakota	993	3,642	1,159	888	5,690	-	6,683	5,604	3
Ohio	114	13,312	8,073	51,147	72,532	418	73,064	64,457	5,204
Oklahoma	-	1,776	760	6,363	8,899	-	8,899	11,194	181
South Dakota	969	1,158	6,093	1,166	8,417	268	9,654	1,731	8
Tennessee	-	6,272	6,480	26,419	39,172	784	39,956	7,704	1,357
Wisconsin	5,875	28,211	6,291	13,601	48,102	46	54,023	32,380	444
<b>PAD District III Total</b>	<b>2,830</b>	<b>11,650</b>	<b>80,505</b>	<b>151,782</b>	<b>243,937</b>	<b>51</b>	<b>246,818</b>	<b>171,588</b>	<b>10,679</b>
Alabama	1	2,779	9,666	40,427	52,871	-	52,872	30,520	1,988
Arkansas	-	46	1,923	7,624	9,593	-	9,593	5,005	299
Louisiana	-	4,808	1,757	14,247	20,812	-	20,812	32,246	971
Mississippi	-	2,758	7,436	11,814	22,009	51	22,060	4,865	796
New Mexico	1,744	61	14,801	8,996	23,857	-	25,601	8,389	331
Texas	1,085	1,198	44,923	68,673	114,795	-	115,881	90,565	6,293
<b>PAD District IV Total</b>	<b>16,414</b>	<b>2,894</b>	<b>125,676</b>	<b>30,122</b>	<b>158,692</b>	<b>115</b>	<b>175,221</b>	<b>3,725</b>	<b>1,158</b>
Colorado	2,119	-	12,847	4,133	16,981	-	19,100	171	62
Idaho	2,715	192	11,075	16,008	27,275	-	29,990	98	7
Montana	3,997	71	18,804	1,455	20,330	-	24,327	101	3
Utah	1,408	733	16,805	7,757	25,295	11	26,713	3,143	73
Wyoming	6,175	1,898	66,146	768	68,812	105	75,092	213	1,013
<b>PAD District V Total</b>	<b>9,766</b>	<b>9,816</b>	<b>121,690</b>	<b>146,861</b>	<b>278,367</b>	<b>1,099</b>	<b>289,232</b>	<b>67,539</b>	<b>5,055</b>
Alaska	3,924	5,931	19,458	11,474	36,863	14	40,800	16,756	4
Arizona	911	-	21,508	50,141	71,649	23	72,582	3,443	47
California	4	939	32,882	2,850	36,672	1,062	37,738	11,687	4,404
Hawaii	-	84	740	1,698	2,523	-	2,523	11,056	15
Nevada	4,276	5	30,663	61,707	92,375	-	96,650	5,465	55
Oregon	404	1,619	8,377	12,976	22,972	-	23,376	5,784	205
Washington	248	1,237	8,062	6,015	15,314	-	15,562	13,347	326

Dashes (-) = No data reported.

Note: 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 1996.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

**Table 22. Adjusted Sales for Farm Use: Distillate Fuel Oil and Kerosene; Sales for Electric Utility and Oil Company Uses: Distillate Fuel Oil and Residual Fuel Oil, 1996**  
(Thousand Gallons)

Destination	Farm				Electric		Oil Company Use	
	Diesel	Other Distillate	Total Distillate	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b> .....	<b>3,225,029</b>	<b>109,391</b>	<b>3,334,420</b>	<b>26,017</b>	<b>684,263</b>	<b>3,925,629</b>	<b>625,608</b>	<b>170,471</b>
<b>PAD District I Total</b> .....	<b>354,340</b>	<b>47,384</b>	<b>401,724</b>	<b>9,408</b>	<b>283,822</b>	<b>3,335,296</b>	<b>9,739</b>	<b>103,635</b>
<b>Subdistrict IA Total</b> .....	<b>12,042</b>	<b>4,223</b>	<b>16,265</b>	<b>974</b>	<b>20,821</b>	<b>858,167</b>	<b>547</b>	<b>837</b>
Connecticut .....	1,942	666	2,608	9	1,730	382,237	230	247
Maine .....	2,254	1,469	3,723	239	879	55,163	-	-
Massachusetts .....	3,440	628	4,068	106	12,584	371,371	225	590
New Hampshire .....	551	357	908	186	1,673	49,397	-	-
Rhode Island .....	55	43	98	-	3,891	-	90	-
Vermont .....	3,800	1,061	4,861	434	64	-	2	-
<b>Subdistrict IB Total</b> .....	<b>80,880</b>	<b>25,175</b>	<b>106,055</b>	<b>2,702</b>	<b>110,298</b>	<b>1,063,928</b>	<b>4,358</b>	<b>102,406</b>
Delaware .....	5,466	71	5,537	35	8,337	62,664	754	23,437
District of Columbia .....	-	-	-	-	17,252	-	-	-
Maryland .....	22,823	3,351	26,173	875	24,212	69,658	131	665
New Jersey .....	6,149	1,009	7,159	38	5,173	131,149	1,492	2,383
New York .....	21,269	11,914	33,183	1,099	14,873	655,673	997	909
Pennsylvania .....	25,172	8,831	34,003	655	40,451	144,785	983	75,012
<b>Subdistrict IC Total</b> .....	<b>261,419</b>	<b>17,985</b>	<b>279,404</b>	<b>5,732</b>	<b>152,703</b>	<b>1,413,201</b>	<b>4,834</b>	<b>391</b>
Florida .....	74,683	186	74,869	140	70,455	1,370,198	549	79
Georgia .....	99,670	585	100,255	2	27,265	3,751	1,256	-
North Carolina .....	30,029	3,726	33,755	1,433	23,354	-	113	-
South Carolina .....	19,358	4,583	23,940	279	8,700	-	408	147
Virginia .....	34,514	7,922	42,435	3,239	10,225	39,253	1,202	165
West Virginia .....	3,166	984	4,150	639	12,703	-	1,307	-
<b>PAD District II Total</b> .....	<b>1,607,279</b>	<b>55,457</b>	<b>1,662,736</b>	<b>14,878</b>	<b>164,750</b>	<b>88,480</b>	<b>48,831</b>	<b>29,256</b>
Illinois .....	200,609	2,709	203,318	4,303	30,469	41,217	1,337	4,051
Indiana .....	90,700	2,217	92,917	1,331	18,371	-	2,787	-
Iowa .....	195,057	9,412	204,469	691	2,452	-	10	-
Kansas .....	161,386	688	162,074	397	6,270	-	4,868	-
Kentucky .....	30,905	1,002	31,907	1,729	9,057	-	300	3,748
Michigan .....	57,858	5,289	63,146	382	25,525	36,294	1,977	2,658
Minnesota .....	163,981	14,719	178,699	1,190	9,850	3,117	-	9,122
Missouri .....	57,833	384	58,217	302	5,307	7,299	39	-
Nebraska .....	172,361	1,401	173,762	315	1,509	-	616	-
North Dakota .....	102,136	1,042	103,178	7	5,506	5	8,281	-
Ohio .....	86,990	5,332	92,322	3,488	22,460	549	1,136	4,812
Oklahoma .....	75,217	337	75,554	62	404	-	27,304	-
South Dakota .....	74,377	4,802	79,179	99	1,241	-	77	-
Tennessee .....	57,254	223	57,476	264	17,990	-	98	115
Wisconsin .....	80,616	5,902	86,518	318	8,338	-	2	4,750
<b>PAD District III Total</b> .....	<b>713,221</b>	<b>1,361</b>	<b>714,583</b>	<b>516</b>	<b>65,232</b>	<b>72,869</b>	<b>484,386</b>	<b>-</b>
Alabama .....	31,982	80	32,062	8	12,792	-	8,403	-
Arkansas .....	91,333	34	91,367	52	5,629	4,422	1,419	-
Louisiana .....	52,736	-	52,736	69	18,728	5,175	287,714	-
Mississippi .....	80,463	323	80,786	84	4,436	63,233	1,128	-
New Mexico .....	15,008	-	15,008	13	1,560	-	16,855	-
Texas .....	441,699	924	442,623	290	22,088	39	168,867	-
<b>PAD District IV Total</b> .....	<b>264,788</b>	<b>2,142</b>	<b>266,930</b>	<b>186</b>	<b>6,309</b>	<b>-</b>	<b>33,844</b>	<b>7,624</b>
Colorado .....	87,955	651	88,606	120	892	-	10,083	-
Idaho .....	60,348	33	60,380	35	347	-	2	-
Montana .....	83,361	1,289	84,651	3	65	-	1,846	7,624
Utah .....	18,993	152	19,145	20	2,235	-	5,559	-
Wyoming .....	14,131	18	14,149	9	2,769	-	16,354	-
<b>PAD District V Total</b> .....	<b>285,401</b>	<b>3,046</b>	<b>288,447</b>	<b>1,029</b>	<b>164,151</b>	<b>428,983</b>	<b>48,807</b>	<b>29,956</b>
Alaska .....	1	1	2	-	39,170	-	44,091	-
Arizona .....	18,021	-	18,021	5	2,597	-	66	-
California .....	189,846	541	190,386	359	4,272	-	3,352	1,453
Hawaii .....	4,641	928	5,569	3	113,229	428,912	437	27,752
Nevada .....	4,241	19	4,260	15	1,864	-	332	116
Oregon .....	25,150	962	26,112	71	858	71	34	-
Washington .....	43,502	595	44,097	576	2,162	-	495	635

Dashes (-) = No data reported.

Note: 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 1996.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).

**Table 23. Adjusted Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 1996**  
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
<b>U.S. Total</b> .....	<b>3,266,861</b>	<b>2,177,608</b>	<b>5,804,977</b>	<b>26,958,668</b>	<b>32,403,137</b>	<b>5,804,977</b>
<b>PAD District I Total</b> .....	<b>568,371</b>	<b>513,469</b>	<b>1,360,439</b>	<b>8,372,128</b>	<b>9,453,967</b>	<b>1,360,439</b>
<b>Subdistrict IA Total</b> .....	<b>24,862</b>	<b>71,917</b>	<b>86,070</b>	<b>858,402</b>	<b>955,181</b>	<b>86,070</b>
Connecticut .....	6,215	2,472	177	<sup>E</sup> 208,249	216,937	177
Maine .....	5,738	12,479	2,055	135,339	153,556	2,055
Massachusetts .....	12,132	46,282	83,533	313,984	372,398	83,533
New Hampshire .....	149	737	212	60,949	61,836	212
Rhode Island .....	96	9,481	92	44,378	53,955	92
Vermont .....	532	466	-	95,503	96,501	-
<b>Subdistrict IB Total</b> .....	<b>143,614</b>	<b>138,053</b>	<b>788,155</b>	<b>3,063,474</b>	<b>3,345,141</b>	<b>788,155</b>
Delaware .....	415	6,381	85,645	59,290	66,086	85,645
District of Columbia .....	6,161	2	-	20,949	27,112	-
Maryland .....	28,371	20,245	25,976	355,412	404,028	25,976
New Jersey .....	63,791	81,076	255,860	532,936	677,803	255,860
New York .....	7,041	13,882	277,974	924,782	945,705	277,974
Pennsylvania .....	37,836	16,467	142,699	1,170,105	1,224,408	142,699
<b>Subdistrict IC Total</b> .....	<b>399,895</b>	<b>303,498</b>	<b>486,214</b>	<b>4,450,252</b>	<b>5,153,645</b>	<b>486,214</b>
Florida .....	103,973	166,043	350,235	<sup>E</sup> 962,504	1,232,520	350,235
Georgia .....	76,841	10,399	53,561	1,345,755	1,432,995	53,561
North Carolina .....	72,825	19,332	7,572	794,837	886,994	7,572
South Carolina .....	11,176	10,878	25,732	458,312	480,366	25,732
Virginia .....	128,748	26,093	48,940	757,666	912,508	48,940
West Virginia .....	6,332	70,752	174	131,178	208,262	174
<b>PAD District II Total</b> .....	<b>1,412,083</b>	<b>477,296</b>	<b>24,428</b>	<b>9,125,173</b>	<b>11,014,552</b>	<b>24,428</b>
Illinois .....	200,798	46,912	1,286	884,696	1,132,407	1,286
Indiana .....	127,691	16,934	12,674	1,036,200	1,180,825	12,674
Iowa .....	66,190	7,011	-	458,660	531,860	-
Kansas .....	121,763	-	-	352,872	474,635	-
Kentucky .....	104,310	146,330	-	587,549	838,189	-
Michigan .....	43,626	4,753	5,196	772,262	820,641	5,196
Minnesota .....	71,590	4,835	-	482,131	558,556	-
Missouri .....	22,782	163,421	247	767,383	953,586	247
Nebraska .....	165,708	49	-	336,764	502,521	-
North Dakota .....	46,467	-	-	135,043	181,510	-
Ohio .....	135,184	8,447	3,570	1,275,402	1,419,033	3,570
Oklahoma .....	152,129	147	-	541,337	693,613	-
South Dakota .....	1,957	-	-	141,728	143,685	-
Tennessee .....	96,740	76,352	90	754,982	928,074	90
Wisconsin .....	55,149	2,103	1,365	598,164	655,416	1,365
<b>PAD District III Total</b> .....	<b>554,336</b>	<b>946,627</b>	<b>2,050,735</b>	<b>4,522,044</b>	<b>6,023,008</b>	<b>2,050,735</b>
Alabama .....	44,929	55,758	105,997	646,567	747,254	105,997
Arkansas .....	57,333	2,830	-	495,380	555,543	-
Louisiana .....	23,771	608,963	1,101,644	508,414	1,141,149	1,101,644
Mississippi .....	21,128	23,075	72,515	400,100	444,304	72,515
New Mexico .....	19,045	-	-	314,590	333,635	-
Texas .....	388,130	256,001	770,579	2,156,993	2,801,124	770,579
<b>PAD District IV Total</b> .....	<b>450,930</b>	<b>339</b>	<b>-</b>	<b>1,094,512</b>	<b>1,545,781</b>	<b>-</b>
Colorado .....	130,661	-	-	273,207	403,868	-
Idaho .....	37,901	314	-	187,828	226,043	-
Montana .....	93,160	5	-	140,625	233,789	-
Utah .....	53,266	20	-	255,192	308,478	-
Wyoming .....	135,942	-	-	237,660	373,602	-
<b>PAD District V Total</b> .....	<b>281,141</b>	<b>239,877</b>	<b>2,369,375</b>	<b>3,844,811</b>	<b>4,365,829</b>	<b>2,369,375</b>
Alaska .....	2,959	94,617	152	34,918	132,493	152
Arizona .....	2,465	11	-	543,643	546,119	-
California .....	166,165	65,966	1,680,188	2,115,704	2,347,836	1,680,188
Hawaii .....	-	15,613	26,931	40,447	56,060	26,931
Nevada .....	5,452	-	-	<sup>E</sup> 244,609	250,061	-
Oregon .....	54,651	15,551	131,310	386,239	456,441	131,310
Washington .....	49,448	48,119	530,794	479,251	576,818	530,794

<sup>E</sup> Estimated data. Florida's 1996 estimate is based on seven months of data. Nevada's 1996 estimate is based on eight months of data. Connecticut's 1996 data are a Federal Highway Administration estimate.

Dashes (-) = No data reported.

Note: 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 1996.

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

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).



**Table 24. Adjusted Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1996**  
(Thousand Gallons)

Destination	Military				Off-Highway Distillate Fuel Oil			All Other		
	Diesel	Other Distillate	Total Distillate	Residual Fuel Oil	Construction	Other	Total	Distillate Fuel Oil	Residual Fuel Oil	Kerosene
<b>U.S. Total</b>	<b>323,436</b>	<b>47,657</b>	<b>371,093</b>	<b>57,249</b>	<b>1,645,647</b>	<b>417,890</b>	<b>2,063,538</b>	-	<b>10,542</b>	<b>7,223</b>
<b>PAD District I Total</b>	<b>41,266</b>	<b>38,874</b>	<b>80,141</b>	<b>40,120</b>	<b>504,241</b>	<b>108,581</b>	<b>612,822</b>	-	<b>7,792</b>	<b>3,008</b>
Subdistrict IA Total	4,341	6,722	11,062	11,212	51,202	22,800	74,001	-	354	236
Connecticut	254	3,615	3,869	1,376	7,698	1,774	9,472	-	-	-
Maine	593	2,937	3,530	6,676	12,131	14,149	26,279	-	354	40
Massachusetts	1,378	53	1,431	3,160	22,549	1,060	23,609	-	-	26
New Hampshire	52	-	52	-	4,163	5,103	9,266	-	-	81
Rhode Island	1,866	30	1,895	-	2,756	276	3,032	-	-	1
Vermont	198	88	286	-	1,905	437	2,342	-	-	88
Subdistrict IB Total	12,996	24,198	37,195	14,018	158,460	11,207	169,667	-	-	2,244
Delaware	286	1,042	1,328	806	6,763	216	6,979	-	-	1
District of Columbia	73	1,935	2,008	-	320	-	320	-	-	-
Maryland	9,124	8,890	18,014	6,731	23,364	1,040	24,404	-	-	265
New Jersey	1,282	652	1,934	4,289	26,573	3,614	30,187	-	-	140
New York	231	2,123	2,354	890	47,508	177	47,685	-	-	337
Pennsylvania	2,000	9,556	11,556	1,302	53,933	6,160	60,093	-	-	1,501
Subdistrict IC Total	23,930	7,954	31,883	14,890	294,579	74,575	369,153	-	7,438	528
Florida	7,268	-	7,268	1,581	111,351	7,580	118,931	-	7,385	8
Georgia	2,553	425	2,978	-	50,376	21,365	71,741	-	-	159
North Carolina	2,870	999	3,869	6,635	56,304	8,985	65,288	-	53	105
South Carolina	1,273	670	1,943	2,920	20,449	18,600	39,049	-	-	11
Virginia	9,769	5,491	15,260	3,754	47,930	16,369	64,299	-	-	59
West Virginia	196	368	564	-	8,169	1,676	9,845	-	-	186
<b>PAD District II Total</b>	<b>18,700</b>	<b>3,126</b>	<b>21,826</b>	<b>657</b>	<b>535,509</b>	<b>100,734</b>	<b>636,243</b>	-	-	<b>2,916</b>
Illinois	1,252	148	1,400	21	64,543	5,626	70,169	-	-	666
Indiana	1,653	203	1,856	-	23,828	9,455	33,283	-	-	296
Iowa	223	-	223	-	30,485	10,599	41,085	-	-	23
Kansas	924	-	924	-	27,456	553	28,009	-	-	21
Kentucky	1,380	-	1,380	-	37,613	6,510	44,123	-	-	273
Michigan	393	1,202	1,595	122	43,109	14,186	57,295	-	-	429
Minnesota	670	-	670	-	44,107	15,637	59,743	-	-	191
Missouri	2,101	645	2,747	514	36,659	6,801	43,460	-	-	49
Nebraska	465	-	465	-	15,916	1,736	17,652	-	-	125
North Dakota	1,713	124	1,837	-	5,075	835	5,911	-	-	15
Ohio	750	5	755	-	66,953	5,471	72,424	-	-	592
Oklahoma	1,758	-	1,758	-	29,210	3,377	32,587	-	-	55
South Dakota	889	789	1,677	-	7,037	1,379	8,416	-	-	15
Tennessee	1,375	-	1,375	-	53,620	7,872	61,492	-	-	104
Wisconsin	3,155	11	3,165	-	49,897	10,698	60,595	-	-	62
<b>PAD District III Total</b>	<b>157,950</b>	<b>704</b>	<b>158,654</b>	<b>4,767</b>	<b>297,024</b>	<b>104,173</b>	<b>401,197</b>	-	<b>31</b>	<b>517</b>
Alabama	2,622	-	2,622	-	57,678	36,612	94,290	-	-	19
Arkansas	721	704	1,425	-	12,768	10,012	22,780	-	-	34
Louisiana	34,426	-	34,426	1,881	93,233	7,514	100,748	-	-	214
Mississippi	3,796	-	3,796	-	15,214	23,124	38,337	-	-	9
New Mexico	1,845	-	1,845	-	15,189	1,992	17,181	-	31	59
Texas	114,539	-	114,539	2,886	102,941	24,919	127,861	-	-	182
<b>PAD District IV Total</b>	<b>2,344</b>	<b>3,444</b>	<b>5,788</b>	<b>8</b>	<b>137,865</b>	<b>33,575</b>	<b>171,440</b>	-	<b>71</b>	<b>126</b>
Colorado	1,020	93	1,113	8	53,018	2,292	55,310	-	4	71
Idaho	673	-	673	-	16,344	16,080	32,424	-	5	5
Montana	269	-	269	-	28,825	5,776	34,602	-	-	1
Utah	356	3,351	3,706	-	21,543	4,052	25,595	-	24	7
Wyoming	26	-	26	-	18,134	5,375	23,509	-	38	41
<b>PAD District V Total</b>	<b>103,175</b>	<b>1,509</b>	<b>104,684</b>	<b>11,697</b>	<b>171,009</b>	<b>70,826</b>	<b>241,836</b>	-	<b>2,649</b>	<b>657</b>
Alaska	3,164	448	3,612	-	10,502	11,390	21,892	-	-	1
Arizona	700	9	709	-	23,423	2,238	25,661	-	-	17
California	62,040	106	62,147	7,509	84,317	23,659	107,976	-	28	365
Hawaii	12,912	-	12,912	3,460	4,694	373	5,067	-	2,621	-
Nevada	967	-	967	-	10,902	1,114	12,016	-	-	3
Oregon	1,510	39	1,548	-	9,274	14,249	23,523	-	-	182
Washington	21,883	907	22,790	729	27,898	17,803	45,702	-	-	89

Dashes (-) = No data reported.

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

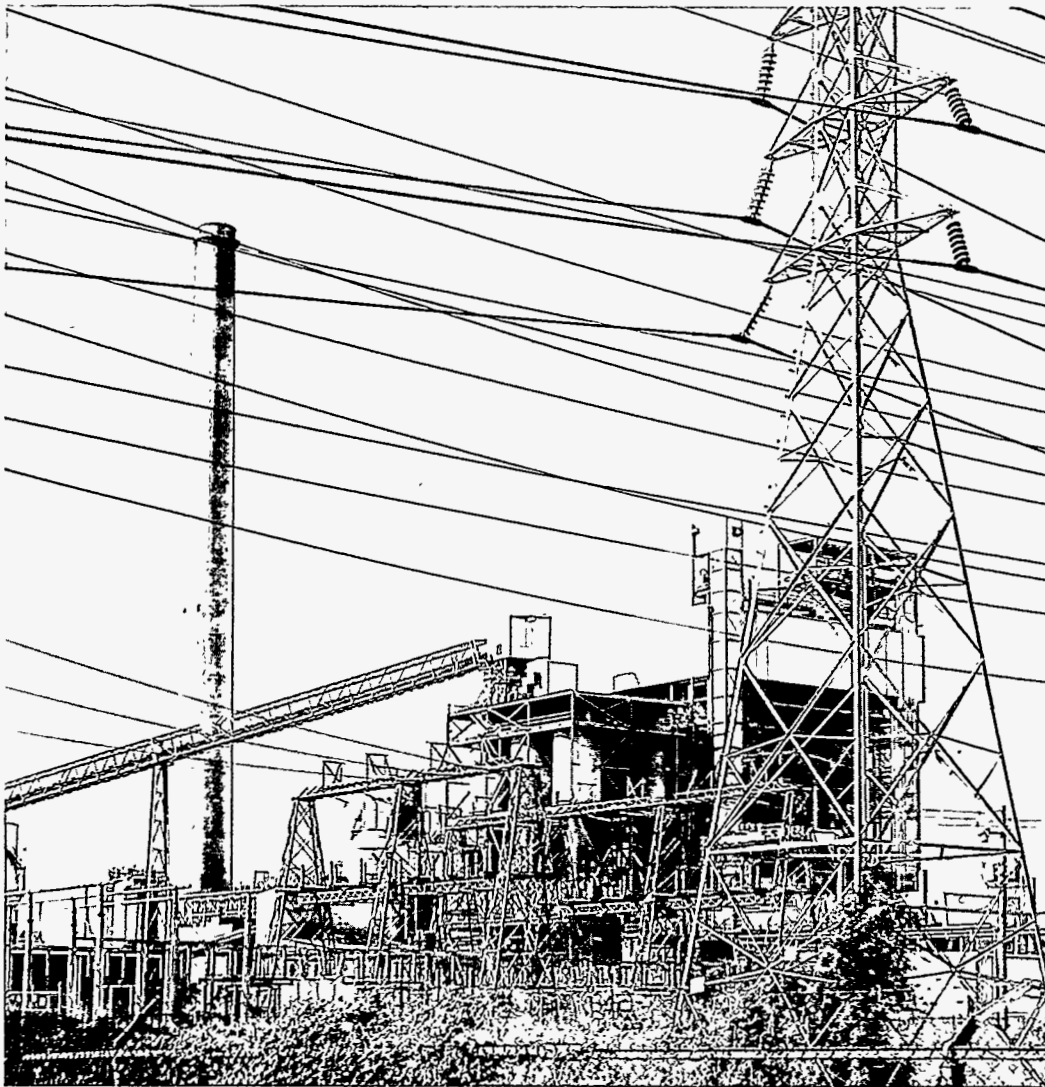
Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 1996.

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1996, (DOE/EIA-0340(96)/1).



Appendix A

**Technical Notes**



*Plants burning fuel oil or kerosene to generate electricity are classified as electric utility use.*





## Technical Notes

### Note 1: EIA-821: Annual Fuel Oil and Kerosene Sales Report, 1996

#### 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 end users of distillate fuel oil, residual fuel oil, and kerosene. The data are used to determine the level of demand by end-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 end users.

The EIA-863 data base provided the sampling frame for the 1996 EIA-821 survey. The EIA-863, "Petroleum Product Sales Identification Survey," was mailed to approximately 30,000 companies in January 1995 to collect 1994 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 end use, and non-end-use sales; the residual data were identified by end use and non-end-use; motor gasoline was identified by end use and non-end use and by conventional and oxygenated and/or reformulated; and propane was identified by residential, nonresidential, and non-end-use sales. The mailing list for the EIA-863 survey was constructed by

merging and unduplicating the 1991 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 1994 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 1995 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 end-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 4,700 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 end use at the U.S. total level ranged as follows for the 1996 EIA-821 data: distillate, 0.07 percent for oil company use to 15.8 percent for off-highway use; residual fuel oil, 0.01 percent for all other uses to 3.0 percent for military use; and kerosene, 0.7 percent for farm use to 4.1 percent for residential use.

## Collection Methods

The EIA-821 form was mailed in January 1997 to all companies selected for participation in the 1996 reference year survey. The completed form was due to EIA on March 3, 1997. A second request was sent by certified mail to nonrespondents approximately 1 month after the filing deadline. Follow-up telephone calls were made to collect outstanding data and to verify reported data. Late submissions and resubmissions were processed when received.

## Data Processing

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

## Note 2: Reliability of the Data

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

precision with which an estimate from a particular sample approximates the results of a census.

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

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

Data in Tables 1 through 12 are based on survey data which are subject to sampling errors. Coefficients of variation, which are estimates of sampling errors, are presented for the retail target variables in the following table for the 1995 survey. The coefficients of variation (CV) were estimated by:

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

where:

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

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

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

- $\hat{V}$  = 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 1996 EIA-821 survey, the overall response rate (the number of submissions received, divided by the number of submissions solicited and expected, times 100) was 93.1 percent.

## Coefficients of Variation for Sales of Fuel Oil, 1996

Geographic Area	Residential Distillate Fuel Oil	Non-Residential Retail Distillate Fuel Oil	Retail Residual Fuel Oil
<b>U.S. Average</b> .....	1.7	2.8	0.1
<b>PAD District I Average</b> .....	2.0	1.4	0.1
<b>Subdistrict IA Average</b> .....	3.2	1.8	0.1
Connecticut .....	4.7	3.5	0.0
Maine .....	13.2	3.9	0.0
Massachusetts .....	5.4	3.6	0.1
New Hampshire .....	6.4	3.5	0.0
Rhode Island .....	5.5	5.7	0.0
Vermont .....	3.2	3.8	0.0
<b>Subdistrict IB Average</b> .....	3.0	2.6	0.1
Delaware .....	3.2	5.9	0.0
District of Columbia .....	0.6	0.3	0.0
Maryland .....	3.7	3.4	0.0
New Jersey .....	4.7	3.6	0.0
New York .....	5.8	6.3	0.1
Pennsylvania .....	5.0	4.4	0.0
<b>Subdistrict IC Average</b> .....	3.3	2.0	0.1
Florida .....	10.7	2.6	0.0
Georgia .....	15.3	4.2	0.0
North Carolina .....	5.0	6.3	0.3
South Carolina .....	6.4	7.4	0.0
Virginia .....	5.5	5.1	0.0
West Virginia .....	7.8	3.0	0.0
<b>PAD District II Average</b> .....	2.9	1.3	0.1
Illinois .....	6.5	6.7	0.0
Indiana .....	6.4	2.6	0.0
Iowa .....	8.8	3.9	0.0
Kansas .....	15.8	6.9	1.3
Kentucky .....	7.4	3.2	0.0
Michigan .....	7.4	4.2	0.0
Minnesota .....	8.1	7.8	0.0
Missouri .....	5.8	4.6	0.0
Nebraska .....	15.3	3.8	0.0
North Dakota .....	7.7	3.8	0.0
Ohio .....	7.3	2.9	0.0
Oklahoma .....	62.3	5.8	0.0
South Dakota .....	9.8	4.5	0.0
Tennessee .....	17.4	2.5	0.0
Wisconsin .....	7.9	4.4	0.0
<b>PAD District III Average</b> .....	5.9	13.1	0.1
Alabama .....	7.6	6.2	0.1
Arkansas .....	42.3	4.1	0.0
Louisiana .....	41.0	8.6	0.0
Mississippi .....	4.5	4.7	0.0
New Mexico .....	2.8	4.5	0.0
Texas .....	0.0	23.6	0.0
<b>PAD District IV Average</b> .....	14.8	1.8	0.1
Colorado .....	66.4	3.5	0.0
Idaho .....	10.7	4.0	0.0
Montana .....	35.7	6.6	0.1
Utah .....	14.1	4.4	0.0
Wyoming .....	5.2	2.7	0.0
<b>PAD District V Average</b> .....	2.0	2.2	0.1
Alaska .....	2.9	1.4	0.0
Arizona .....	22.4	3.0	0.0
California .....	9.3	4.5	0.0
Hawaii .....	0.0	4.1	0.0
Nevada .....	1.7	3.9	0.0
Oregon .....	4.3	4.0	0.0
Washington .....	3.6	4.2	0.1

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 1996.

## 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 end-use categories were replaced by alternate source data at the U.S., Petroleum Administration for Defense (PAD) district, or State level:

#### Tables 1 through 12:

**On-Highway Diesel.** Distillate fuel oil by State was calculated from the Federal Highway Administration data on highway use of special fuels. Of the 1992 through 1996 special fuels, more than 98 percent is diesel.

#### Tables 13 through 24:

**Electric Utility.** National-level distillate and residual fuel oil sales for electric utility use were calculated from annual aggregations of data collected on forms EIA-759, "Monthly Power Plant Report," and FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." Form EIA-759 consumption data for light oils include No. 2 fuel oil, kerosene, and jet fuel; the heavy oils include No. 4 fuel oil, residual fuel oil, and crude oil. Using receipt data from Form FERC-423, the No. 4 fuel oil receipts were deleted from the heavy oil consumption data and added to the light oil consumption data. The resultant distillate (light oils) and residual (heavy oils) consumption data were added to the stock change of light oils and heavy oils, respectively, from Form EIA-759 to obtain the estimate of sales. Allocations at the State level were based on the EIA-821 survey.

**On-Highway Diesel.** Distillate fuel oil by State was calculated from the Federal Highway Administration data on highway use of special fuels. Of the 1992 through 1996 special fuels, more than 98 percent is diesel.

### 1992 through 1996 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 1996 survey resulted in 812,140 thousand gallons of kerosene at the national level. The products supplied volume at the national level for kerosene was 948,990 thousand gallons. Hence, the adjustment factor at the national level for 1996 was 1.17.

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 1996 are as follows:

#### Distillate Fuel Oil

- PAD District I: .98
- PAD District II: .98
- PAD District III: .85
- PAD District IV: 1.30
- PAD District V: .66

For Tables 13 through 24, total sales at the PAD district level equal the products supplied volumes as reported in the PSA, 1992 through 1996. For example, the 1996 survey yielded a volume for distillate residential use in PAD District II of 903,197 thousand gallons. The total distillate volume for PAD District II was 6,488,200 from the survey, after subtracting the volume coming from alternate sources. The product supplied total distillate volume for PAD District II was 6,359,193 after removing alternate source volume. Hence, the adjusted 1996 estimate of distillate for residential use in PAD District II was  $(6,359,193/6,488,200) \times 903,197 = 885,239$ .

For distillate fuel oil in Tables 13 through 24, the PAD district adjustments were made to each State and product-use category except on-highway diesel use, and electric utility use.

Volumes of residual fuel oil in Tables 13 through 24 were adjusted at the national level to equal the products supplied estimate. The 1996 survey yielded 13,256,998 thousand gallons of residual fuel oil, while the products supplied volume at the national level was 13,041,042 thousand gallons. Thus, the adjustment factor at the national level for 1996 was 1.02, after subtracting the volumes coming from alternate sources. For residual fuel oil, the adjustments were made to each State and end-use category except electric utility use.



## Note 4: End-Use Descriptions and Petroleum Product Definitions

### End-Use Descriptions

**Residential Use.** Includes sales for use in private households for space heating, water heating, cooking, etc. Sales to farm houses are reported under "Farm Use."

**Commercial Use.** Includes sales for use in nonmanufacturing establishments such as motels, apartment buildings, restaurants, retail stores, institutions, government buildings, schools, and laundries for space heating, water heating, and cooking.

**Industrial Use.** Includes sales to mines, smelters, and plants engaged in producing manufactured products, processing and assembling goods, etc. Also includes space heating. Excludes oil company use, as defined below.

**Oil Company Use.** Includes sales to 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 the operation of drilling equipment, other field or refinery operations, and space heating at petroleum refineries, pipeline companies, and oil-drilling companies. Oil used to bunker vessels is counted under vessel bunkering. Sales to other oil companies for field use are included, but sales for use as refinery charging stocks are excluded.

**Farm Use.** Includes sales for use in tractors, irrigation pumps and other agricultural machinery, as well as that used for crop drying, smudge pot fuel, space heating of buildings (including farm houses), cooking, and any other use by the agriculture industry.

**Electric Utility Companies.** Includes sales to electric utility companies, including that used for the generation of electricity. Volumes imported and used directly by electric utility companies are also included.

**Railroad Use.** Includes sales to railroads, for any use, including that used for heating buildings operated by railroads.

**Vessel Bunkering.** Includes sales for the fueling 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 Use.** Includes sales for use in motor vehicles. Volumes used by companies in the marketing and distribution of petroleum products are also included.

**Military Use.** Includes sales to the Armed Forces, including volumes sold to the Defense Fuel Supply Center (DFSC) for use by all branches of the Department of Defense (DOD).

**Off-Highway Use.** Includes sales for use in:

1. **Construction.** Construction equipment including earthmoving equipment, cranes, stationary generators, air compressors, etc.
2. **Other.** Sales for off-highway uses other than construction. Sales for logging are included in this category. Volumes for off-highway use by the agriculture industry are reported under "Farm Use."

**All Other Uses.** Sales for all other uses not included in any other end-use category are reported here.

### 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 is used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils and No. 1, No. 2, and No. 4 diesel fuels.

1. **No. 1 Distillate.** A petroleum distillate which meets the specifications for No. 1 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 1 diesel fuel as defined in ASTM Specification D 975.
  - a. **No. 1 Diesel Fuel.** A volatile distillate fuel oil with a boiling range between 300 and 575 degrees Fahrenheit and used in high-speed diesel engines generally operated under wide variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D 975.
  - b. **No. 1 Fuel Oil.** A light distillate fuel oil intended for use in vaporizing pot-type

burners. ASTM Specification D 396 specifies for this grade maximum distillation temperatures of 400 degrees Fahrenheit at the 10-percent point and 550 degrees Fahrenheit at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees Fahrenheit.

2. **No. 2 Distillate.** A petroleum distillate which meets the specifications for No. 2 heating oil or fuel oil as defined in ASTM D 396 and/or the specifications for No. 2 diesel fuel as defined in ASTM Specification D 975.

a. **No. 2 Diesel Fuel.** A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540 and 640 degrees Fahrenheit for use in high speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D 975.

(1) **No. 2 Diesel  $\leq$  .05% Sulfur.** The sulfur level does not exceed 0.05 percent by weight.

(2) **No. 2 Diesel  $>$  .05% Sulfur.** The sulfur level is above 0.05 percent by weight.

b. **No. 2 Fuel Oil.** A distillate fuel oil for use in atomizing type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D 396 specifies for this grade distillation temperatures at the 90-percent point between 540 and 640 degrees Fahrenheit, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees Fahrenheit.

3. **No. 4 Fuel.** A fuel oil for commercial burner installations not equipped for preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D 396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees Fahrenheit. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D 975.

**Kerosene.** A petroleum distillate that boils at a temperature between 300 and 550 degrees Fahrenheit, that has a flash point higher than 100 degrees Fahrenheit by ASTM Method D 56, that has a gravity range from 40 to 46 degrees API, and that has a burning point

in the range of 150 degrees to 175 degrees Fahrenheit. Included are the two classifications recognized by ASTM Specification D 3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees Fahrenheit. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps. **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.

**PAD District.** Petroleum Administration for Defense Districts

**PAD District I:**

**Subdistrict IA.** Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont

**Subdistrict IB.** Delaware, District of Columbia, Maryland, New Jersey, New York, and Pennsylvania

**Subdistrict IC.** Florida, Georgia, North Carolina, South Carolina, Virginia, and West Virginia

**PAD District II:**

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

**PAD District III:**

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

**PAD District IV:**

Colorado, Idaho, Montana, Utah, and Wyoming

**PAD District V:**

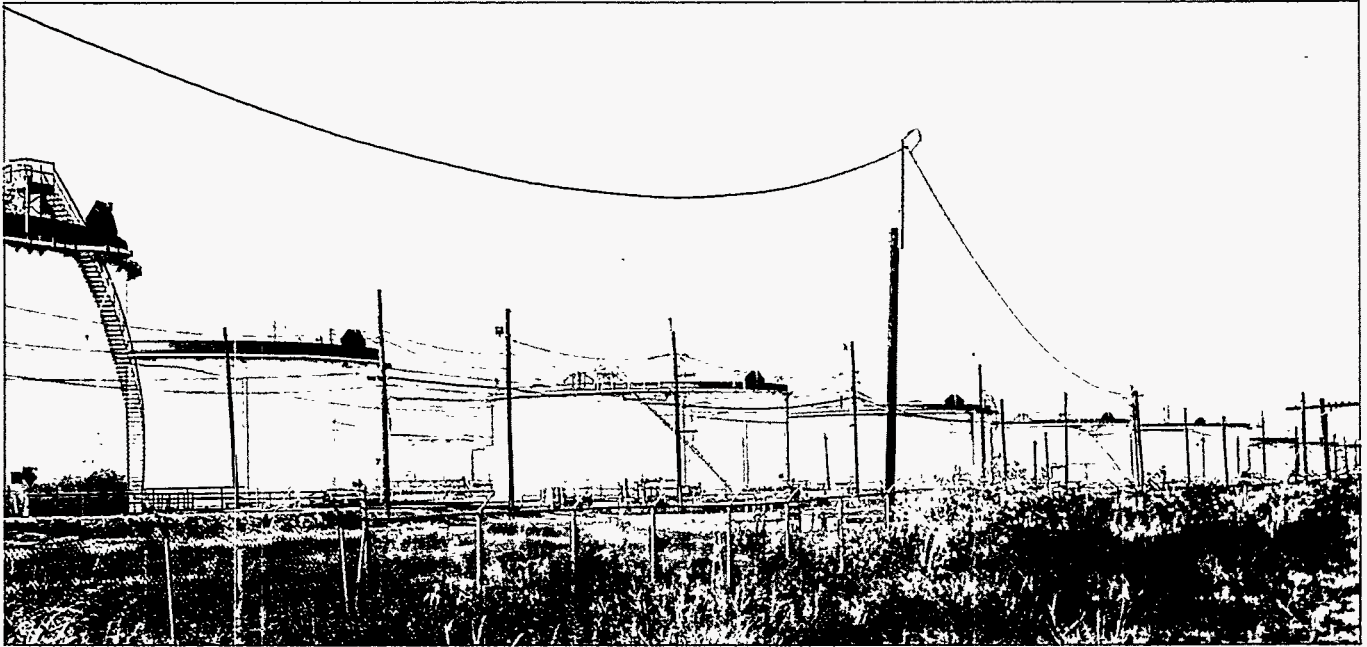
Alaska, Arizona, California, Hawaii, Nevada, Oregon, and Washington

**Residual Fuel Oils.** The topped crude of refinery operations, which includes No. 5 and No. 6 fuel oils, as defined in ASTM Specification D 396 and Federal Specification, VV-F-815C; Navy Special fuel oil as



defined in Military Specification MIL-F-859E including Amendment 2 (NATO symbol F-77); and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**United States.** The 50 States and the District of Columbia.



*Storage and distribution of petroleum products are becoming more challenging in the 1990s due to a wide variety of new air quality regulations.*

Appendix B

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





Name of Firm Reporting		DOE ID Number	Reference Year <b>1996</b>	Page _____ of _____
<b>PART II. TOTAL SALES DURING THE REFERENCE YEAR. (READ PAGES 2-5 OF INSTRUCTIONS CAREFULLY)</b>				
Line No.	Type of Fuel and Use	States of Destination (Enter STANDARD ABBREVIATIONS)		
	Sold directly to consumers for	<b>Kerosene (Report in Actual Gallons)</b>		
1	Residential Use (Non-Farm):			
2	Commercial Use:			
3	Industrial Use:			
4	Farm Use:			
5	All Other Uses (Include own company use):			
6	Sold to dealers, resellers, and refiners:			
7	<b>Total Kerosene (Add Lines 1 thru 6)</b>			
	Sold directly to consumers for	<b>Distillate Fuel Oil (Report in Actual Gallons)</b>		
	Residential Use (Non-Farm):			
8	No. 1			
9	No. 2			
	Commercial Use (See Reference Guide):			
10	No. 1			
11	No. 2 Fuel Oil			
12	No. 2 Diesel ≤ .05% Sulfur, Low			
13	No. 2 Diesel > .05% Sulfur, High			
14	No. 4			
	Industrial Use (Manufacturing and Mining):			
15	No. 1			
16	No. 2 Fuel Oil			
17	No. 2 Diesel ≤ .05% Sulfur, Low			
18	No. 2 Diesel > .05% Sulfur, High			
19	No. 4			
20	Oil Company Use (Drilling and Own Company Refining):			
21	Railroad Use:			
22	Vessel Bunkering (Shipping and Boating):			

Name of Firm Reporting	DOE ID Number	Reference Year <b>1996</b>	Page _____ of _____
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**PART II. TOTAL SALES DURING THE REFERENCE YEAR. (READ PAGES 2-5 OF INSTRUCTIONS CAREFULLY)**

Line No.	Type of Fuel and Use	States of Destination (Enter STANDARD ABBREVIATION)		

**Distillate Fuel Oil--Continued (Report in Actual Gallons)**

	Military Use:			
23	Diesel			
24	Other Distillate			
25	Electric Utility Use:			
	Farm Use:			
26	Diesel			
27	Other Distillate			
28	On-highway Diesel Use:			
	Off-highway Use:			
29	Construction			
30	Other (Specify e.g., Logging) _____			
31	All Other Uses (Specify): _____			
32	Sold to dealers, resellers, and refiners:			
33	<b>Total Distillate (Add Lines 8 thru 32)</b>			

**Residual Fuel Oil - Include No.5 and No. 6 (Report in Actual Gallons)**

Sold directly to consumers for

34	Commercial Use (Nonmanufacturing):			
35	Industrial Use (Manufacturing and Mining):			
36	Oil Company Use (Drilling and Own Company Refining):			
37	Railroad Use (Include Volumes on line 41):			
38	Vessel Bunkering:			
39	Military Use:			
40	Electric Utility Use:			
41	All Other Uses (Specify): _____			
42	Sold to dealers, resellers, and refiners:			
43	<b>Total Residual (Add Lines 34 thru 42)</b>			

