

Fuel Oil and Kerosene Sales 1999

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Contacts

The *Fuel Oil and Kerosene Sales 1999* report is prepared by the Energy Information Administration (EIA) under the general direction of John Cook (202) 586-5214, Petroleum Division, Office of Oil and Gas.

Detailed, technical questions about tables referencing the form EIA-821 may be directed to:

Alice Lippert (202) 586-9600

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 1999* report. Included are annual sales data on petroleum volumes of kerosene, distillate fuel oils, and residual fuel oils by State. Annual historical data at the national level are provided in summary tables.

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

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

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Introduction

The *Fuel Oil and Kerosene Sales 1999* report provides information, illustrations and State-level statistical data on end-use sales of kerosene; No. 1, No. 2, and No. 4 distillate fuel oil; and residual fuel oil. State-level kerosene sales include volumes for residential, commercial, industrial, farm, and all other uses. State-level distillate sales include volumes for residential, commercial, industrial, oil company, railroad, vessel bunkering, military, electric utility, farm, on-highway, off highway construction, and other uses. State-level residual fuel sales include volumes for commercial, industrial, oil company, vessel bunkering, military, electric utility, and other uses. The Petroleum Division, Office of Oil and Gas, Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the *Fuel Oil and Kerosene Sales 1999*.

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

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

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

In Tables 13 through 24, estimates of distillate fuel oil are adjusted at the Petroleum Administration for Defense (PAD) district level to equal published PSA volume estimates of products supplied. For certain sales

categories, data obtained from alternate sources are used instead of the adjusted numbers. See "Technical Note 3" in Appendix A for further explanation.

Kerosene and residual fuel oil in Tables 13 through 24 are adjusted at the national level to equal published PSA products supplied estimates. 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 1999

Despite warmer than normal winter conditions, continued strength in the U.S. economy helped boost distillate demand for the eighth year in a row to reach an all time high of more than 57.5 billion gallons. Total distillate sales increased by 4.1 percent in comparison to 1998. Residual fuel oil sales, however, did not fair as well. Despite the strength of the economy and considerable growth in the bunker market, residual fuel oil sales fell by 9.5 percent in comparison to 1998. The drop in sales indicates a return to the long-term trend of a shrinking market that with the exception of 1996 and 1998, has characterized the residual fuel oil market for more than a decade. Total sales of kerosene also decreased, dropping by 6.6 percent from the level set in 1998.

Distillate sales accounted for an even greater share of the fuel oil market in 1999 than they had in 1998. (Distillate sales made up 79.9 percent of total fuel oil sales compared to approximately 77.6 percent in 1998). Primarily as the result of declining sales to the electric power sector, residual fuel oil sales fell back below 20.0 percent of total fuel oil sales, accounting for 18.5 percent of total sales.¹ Kerosene sales accounted for the remaining 1.6 percent of total sales.

Distillate Fuel Oil

As they have for the past several years, sales of distillates surpassed the previous all-time high set the previous year. Led by strong sales of on-road diesel, as well as increases in the construction, residential and commercial sectors, distillate sales exceeded 57 billion gallons for the first time. The total of 57.6 billion gallons exceeded the previous high, set in 1998, by approximately 2.3 billion gallons or 4.1 percent, nearly two and a half times the volume increase achieved in 1998.

Distillate sales derived less benefit from the continuation of low prices during the first half of the year than from the continued robust nature of the U.S. economy. Economic growth as measured by the change in gross domestic product (GDP) increased by 4.1 percent in comparison to 1998, and was only slightly below the growth rate of 4.3 percent set in 1998.²

Aside from the increased sales to the residential and commercial markets, the bulk of the increases in the distillate market can be attributed to the on-going

Table HL1. Volume Distribution of Distillate and Residual Fuel Oils, 1998 and 1999

End Use	Distillate 1999		Distillate 1998		Residual 1999		Residual 1998	
	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share
Residential	6,302	11.0	5,820	10.5	—	—	—	—
Commercial.....	3,338	5.8	3,233	5.8	646	4.8	715	4.9
Industrial	2,478	4.3	2,462	4.5	1,700	12.8	1,798	12.2
Oil Company	659	1.2	784	1.4	124	0.9	127	0.9
Farm.....	3,412	5.9	3,411	6.2	—	—	—	—
Electric.....	816	1.4	841	1.5	4,990	37.4	6,432	43.7
Railroad.....	3,239	5.6	3,180	5.8	—	—	—	—
Vessel Bunkering	2,419	4.2	2,595	4.7	5,838	43.8	5,620	38.1
On-Highway.....	32,062	55.7	30,150	54.5	—	—	—	—
Military.....	357	0.6	352	0.6	26	0.2	34	0.2
Off-Highway	2,490	4.3	2,477	4.5	—	—	—	—
Other	0	0.0	0	0.0	4	0.0	4	0.0
Total	57,572	100.0	55,305	100.0	13,328	100.0	14,730	100.0

Sources: Energy Information Administration, Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," 1998 and 1999.

¹Sales of residual fuel oil to the electric power industry surged in 1998 and exceeded 20.0 percent of the total fuel oil sales for the first time since 1994. For details, see *Sales of Fuel Oil and Kerosene*, Energy Information Administration, 1999, p 4.

²*Economic Indicators*, April 2000, Washington D.C., U.S. Government Printing Office, p1-2, 19.

Table 1. Sales of Distillate Fuel Oil by End Use in the United States: 1995-1999
(Thousand Gallons)

End Use	Distillate Fuel Oil				
	1995	1996	1997	1998	1999
U.S. Total	51,469,264	53,379,033	54,366,495	55,305,694	57,573,018
Residential	6,859,786	6,910,018	6,531,416	5,819,959	6,302,466
Commercial	3,630,856	3,603,620	3,314,956	3,233,350	3,338,242
Industrial	2,238,873	2,288,689	2,309,615	2,462,355	2,477,719
Oil Company	686,750	730,676	852,015	783,719	659,039
Farm	3,476,472	3,591,383	3,547,699	3,410,801	3,411,623
Electric Utility	597,461	657,881	636,002	840,731	816,008
Railroad	3,428,829	3,446,939	3,277,802	3,180,124	3,239,044
Vessel Bunkering	2,339,010	2,490,793	2,573,800	2,595,076	2,419,336
On-Highway Diesel	25,576,433	26,958,668	28,614,022	30,150,191	32,062,447
Military	461,740	454,443	432,621	352,189	356,602
Off-Highway Diesel	2,173,054	2,245,922	2,276,548	2,477,199	2,490,492

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 1995-1999.

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

Table 2. Sales of Residual Fuel Oil by End Use in the United States: 1995-1999
(Thousand Gallons)

End Use	Residual Fuel Oil				
	1995	1996	1997	1998	1999
U.S. Total	12,318,128	13,256,998	12,504,135	14,729,841	13,328,058
Commercial	922,572	927,834	789,674	715,111	645,927
Industrial	1,977,567	2,089,436	1,898,611	1,797,906	1,700,054
Oil Company	211,450	167,425	160,477	127,464	123,984
Electric Utility	3,262,492	4,304,492	4,599,084	6,431,746	4,990,083
Vessel Bunkering	5,886,409	5,701,233	5,010,059	5,620,417	5,838,128
Military	50,902	56,225	42,164	33,648	25,702
All Other	6,735	10,354	4,065	3,549	4,181

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 1995-1999.

Table 3. Sales of Kerosene by End Use in the United States: 1995-1999
(Thousand Gallons)

End Use	Kerosene				
	1995	1996	1997	1998	1999
U.S. Total	828,450	948,990	1,009,932	1,196,580	1,118,124
Residential	550,336	657,636	688,025	802,348	823,436
Commercial	163,716	155,792	182,559	230,743	199,577
Industrial	86,902	102,322	110,738	123,246	58,279
Farm	19,919	26,017	21,556	26,823	26,312
All Other	7,576	7,223	7,054	13,420	10,521

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, 1995-1999, (DOE/EIA-0340(95)/1 - (99)/1).

Table 4. Sales of Distillate Fuel Oil by End Use, 1998 and 1999

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1998	1999	1998	1999	1998	1999
U.S. Total	5,819,959	6,302,466	3,233,350	3,338,242	2,462,355	2,477,719
PAD District I Total	4,908,899	5,323,022	2,019,149	2,095,496	778,225	766,697
Subdistrict IA Total	1,984,396	2,123,587	596,243	539,367	98,815	86,851
Connecticut	485,725	572,366	115,527	117,495	22,994	18,006
Maine	331,700	330,116	120,703	123,827	32,549	23,092
Massachusetts	745,709	790,563	237,347	169,885	21,246	20,449
New Hampshire	189,684	200,927	54,240	63,626	7,002	11,185
Rhode Island	143,395	140,200	27,225	22,593	7,904	6,433
Vermont	88,183	89,415	41,201	41,941	7,119	7,686
Subdistrict IB Total	2,518,766	2,797,684	998,535	1,139,322	258,142	268,081
Delaware	35,335	40,435	12,718	14,351	4,750	4,425
District of Columbia	10,330	9,255	13,976	14,860	300	-
Maryland	189,461	207,027	112,219	98,107	69,000	51,441
New Jersey	400,858	433,335	134,447	182,783	41,642	38,541
New York	1,169,877	1,257,211	523,270	618,531	42,889	60,185
Pennsylvania	712,905	850,421	201,905	210,691	99,561	113,489
Subdistrict IC Total	405,737	401,751	424,371	416,807	421,269	411,765
Florida	4,782	4,468	61,163	79,859	54,779	59,200
Georgia	4,106	2,426	31,440	53,713	46,422	55,537
North Carolina	131,451	131,627	113,495	95,865	84,236	77,871
South Carolina	20,877	22,299	65,974	46,250	23,907	33,375
Virginia	220,498	219,594	136,032	127,025	91,020	76,944
West Virginia	24,023	21,337	16,267	14,095	120,906	108,839
PAD District II Total	659,306	702,300	595,586	592,501	823,485	792,158
Illinois	18,347	22,521	81,773	65,021	123,124	86,346
Indiana	46,309	46,445	62,472	57,163	110,181	133,449
Iowa	24,158	23,814	20,334	21,592	33,351	30,841
Kansas	501	613	19,368	21,024	15,890	19,025
Kentucky	25,688	23,206	46,496	48,643	163,665	142,200
Michigan	116,529	132,807	66,135	62,157	54,239	55,707
Minnesota	111,632	93,223	37,007	39,409	54,426	43,532
Missouri	12,910	13,592	50,946	45,351	45,288	61,780
Nebraska	2,838	3,407	9,736	9,702	21,961	17,452
North Dakota	23,351	21,503	11,818	10,373	8,502	7,072
Ohio	127,050	152,234	49,362	80,297	73,174	76,176
Oklahoma	54	93	27,186	16,066	9,384	9,084
South Dakota	16,791	14,912	10,416	8,964	3,226	8,905
Tennessee	10,112	10,222	41,688	42,551	42,897	32,287
Wisconsin	123,036	143,709	60,850	64,187	64,176	68,303
PAD District III Total	472	1,556	210,972	214,083	310,483	404,313
Alabama	262	288	24,904	25,287	71,846	76,190
Arkansas	22	40	15,728	11,549	16,542	13,825
Louisiana	44	152	13,291	24,403	12,928	47,058
Mississippi	46	86	16,054	11,522	21,850	54,611
New Mexico	87	895	6,071	14,006	37,602	33,910
Texas	11	94	134,923	127,317	149,715	178,719
PAD District IV Total	39,114	36,261	90,697	107,590	174,495	184,213
Colorado	816	436	38,098	36,021	21,560	25,689
Idaho	16,356	21,089	18,097	22,833	26,149	26,150
Montana	17,750	9,984	5,005	6,295	15,079	16,339
Utah	3,080	3,497	23,012	26,279	32,180	33,550
Wyoming	1,112	1,255	6,485	16,163	79,526	82,485
PAD District V Total	212,167	239,328	316,946	328,572	375,668	330,338
Alaska	73,419	90,157	46,906	58,094	32,976	30,077
Arizona	196	158	49,260	41,915	95,658	84,957
California	7,415	7,594	116,706	121,756	68,183	62,132
Hawaii	14	12	9,247	11,525	1,990	2,141
Nevada	11,971	9,227	13,550	16,163	123,545	102,804
Oregon	41,983	48,301	43,671	36,968	37,392	31,269
Washington	77,169	83,878	37,606	42,150	15,925	16,958

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Utility	
	1998	1999	1998	1999	1998	1999
U.S. Total	783,719	659,039	3,410,801	3,411,623	840,731	816,008
PAD District I Total	7,251	10,664	395,997	480,528	386,452	349,863
Subdistrict IA Total	100	13	18,956	28,760	13,508	13,425
Connecticut	14	10	3,391	4,882	4,451	2,050
Maine	-	-	4,775	7,676	1,332	677
Massachusetts	80	2	2,914	5,756	4,388	7,693
New Hampshire	-	-	1,200	2,826	1,677	1,599
Rhode Island	-	-	56	362	1,226	1,261
Vermont	7	-	6,620	7,258	435	144
Subdistrict IB Total	3,079	5,383	103,046	125,148	104,790	103,186
Delaware	1,050	2,488	7,177	7,544	3,023	8,741
District of Columbia	-	-	-	-	18,818	22,854
Maryland	31	16	23,895	26,397	20,680	20,865
New Jersey	296	233	4,894	15,584	7,632	7,649
New York	768	9	39,621	42,093	3,309	2,723
Pennsylvania	934	2,637	27,458	33,530	51,329	40,354
Subdistrict IC Total	4,072	5,269	273,995	326,619	268,153	233,252
Florida	315	223	73,030	119,507	151,241	142,351
Georgia	324	810	110,881	105,295	40,377	24,740
North Carolina	136	124	35,250	39,755	27,539	23,587
South Carolina	5	-	17,251	14,823	27,258	14,546
Virginia	3,045	3	34,772	42,051	10,177	14,473
West Virginia	248	4,108	2,811	5,188	11,560	13,555
PAD District II Total	46,185	30,342	1,681,748	1,602,708	220,686	217,128
Illinois	822	308	217,627	153,584	43,150	12,809
Indiana	2,341	2,510	99,117	80,024	27,544	46,077
Iowa	-	-	204,867	188,729	7,466	11,950
Kansas	3,255	5,196	168,523	165,958	7,322	14,043
Kentucky	4,737	472	45,798	30,759	7,311	8,405
Michigan	2,293	333	53,719	84,241	24,720	28,294
Minnesota	284	-	173,849	138,167	5,905	8,651
Missouri	112	53	62,799	79,355	9,009	16,523
Nebraska	39	24	179,038	150,585	2,253	4,094
North Dakota	4,564	1,756	90,760	86,362	35,210	2,437
Ohio	1,584	309	88,418	74,932	30,957	41,708
Oklahoma	25,809	19,294	73,663	73,460	2,845	1,365
South Dakota	-	85	72,741	70,543	720	849
Tennessee	346	-	62,103	37,539	12,020	13,467
Wisconsin	-	2	88,726	188,472	4,254	6,455
PAD District III Total	598,813	504,727	666,824	606,617	46,498	41,806
Alabama	371	665	29,653	25,544	9,617	8,131
Arkansas	1,779	1,802	118,249	95,230	10,106	14,709
Louisiana	351,457	257,987	53,438	79,777	12,739	3,090
Mississippi	2,084	4,065	106,168	72,362	3,553	2,587
New Mexico	18,467	15,498	15,565	23,684	686	2,573
Texas	224,655	224,709	343,751	310,020	9,798	10,716
PAD District IV Total	27,819	20,453	192,285	183,473	7,195	8,571
Colorado	4,499	5,313	68,175	50,591	480	3,062
Idaho	-	-	38,369	50,475	25	9
Montana	1,601	2,105	51,106	51,885	-	94
Utah	5,072	1,889	20,748	12,985	3,080	2,003
Wyoming	16,646	11,147	13,888	17,537	3,610	3,403
PAD District V Total	103,651	92,852	473,947	538,298	179,899	198,639
Alaska	94,891	79,725	2	16	60,087	66,896
Arizona	96	86	26,169	32,399	3,022	5,826
California	6,052	11,759	335,225	393,575	7,868	7,841
Hawaii	1,274	94	9,392	11,127	106,517	111,661
Nevada	305	51	5,564	6,520	1,560	1,251
Oregon	242	269	33,161	50,347	392	2,292
Washington	790	870	64,435	44,313	453	2,872

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	1998	1999	1998	1999	1998	1999
U.S. Total	3,180,124	3,239,044	2,595,076	2,419,336	30,150,191	32,062,447
PAD District I Total	491,650	464,528	520,608	501,069	9,398,405	9,939,376
Subdistrict IA Total	29,317	22,713	47,876	46,506	942,889	1,007,035
Connecticut	7,068	7,510	2,847	4,574	222,076	235,423
Maine	8,036	1,864	12,565	6,816	135,254	148,739
Massachusetts	12,805	12,001	19,787	22,943	357,050	377,063
New Hampshire	17	2	536	607	103,225	103,255
Rhode Island	270	303	11,641	11,111	48,713	55,570
Vermont	1,121	1,032	499	455	76,571	86,985
Subdistrict IB Total	128,258	117,168	155,557	175,665	3,420,503	3,673,911
Delaware	445	553	2,644	3,642	62,453	57,458
District of Columbia	4,672	3,775	3	3	21,412	22,114
Maryland	6,024	8,371	20,673	31,538	425,381	486,350
New Jersey	44,261	18,628	92,631	87,992	717,711	769,039
New York	24,067	33,253	4,899	15,397	917,161	1,011,088
Pennsylvania	48,789	52,589	34,707	37,094	1,276,385	1,327,862
Subdistrict IC Total	334,075	324,647	317,174	278,898	5,035,013	5,258,430
Florida	106,370	133,681	161,733	146,853	1,182,855	1,239,423
Georgia	76,415	77,197	10,528	18,588	1,231,023	1,322,651
North Carolina	45,996	56,616	36,183	11,848	892,816	879,015
South Carolina	16,635	13,708	13,937	13,373	563,590	590,776
Virginia	68,093	33,824	29,752	30,927	895,185	952,594
West Virginia	20,568	9,621	65,042	57,308	269,544	273,971
PAD District II Total	1,324,803	1,312,935	624,376	664,522	10,205,834	10,776,359
Illinois	110,860	143,077	44,684	44,071	1,077,513	1,292,335
Indiana	68,949	84,260	27,349	45,157	1,129,693	1,228,811
Iowa	48,021	43,678	7,595	8,258	479,789	494,842
Kansas	80,810	71,446	-	-	372,593	374,267
Kentucky	102,663	114,757	95,612	94,889	690,621	703,236
Michigan	55,047	55,112	8,241	4,572	865,113	905,067
Minnesota	96,950	70,984	4,028	6,862	546,107	604,536
Missouri	30,118	30,656	363,176	402,846	933,682	862,295
Nebraska	220,015	222,721	39	66	360,777	359,379
North Dakota	19,930	52,666	544	-	142,612	141,280
Ohio	147,847	93,521	9,191	3,389	1,412,948	1,516,451
Oklahoma	208,606	218,497	548	712	566,471	616,296
South Dakota	1,351	5,253	-	-	141,809	145,298
Tennessee	101,523	51,130	60,662	50,879	821,331	860,020
Wisconsin	32,115	55,177	2,708	2,822	664,775	672,246
PAD District III Total	676,222	732,550	1,098,953	856,429	5,125,135	5,376,448
Alabama	43,176	45,576	28,847	72,960	701,742	742,059
Arkansas	62,776	50,893	5,549	4,750	560,831	556,238
Louisiana	31,054	29,139	663,667	482,257	541,189	585,564
Mississippi	23,277	15,431	25,392	13,789	494,855	555,765
New Mexico	13,874	256	-	-	393,110	398,559
Texas	502,065	591,256	375,498	282,673	2,433,408	2,538,263
PAD District IV Total	277,361	251,806	170	403	1,303,954	1,484,538
Colorado	62,169	47,204	-	-	383,801	437,787
Idaho	34,231	27,664	170	236	184,607	214,688
Montana	63,079	57,879	-	-	171,675	187,434
Utah	26,672	21,762	-	33	303,331	300,016
Wyoming	91,211	97,297	-	134	260,540	344,613
PAD District V Total	410,088	477,225	350,970	396,913	4,116,863	4,485,726
Alaska	5,111	5,943	116,596	128,131	68,548	75,031
Arizona	2,901	4,051	-	33	602,809	660,624
California	262,435	272,045	119,358	130,368	2,339,261	2,458,325
Hawaii	-	-	23,112	27,993	28,956	32,680
Nevada	4,876	6,982	-	-	228,955	261,630
Oregon	62,391	116,791	17,512	17,841	418,953	428,584
Washington	72,373	71,413	74,391	92,547	429,381	568,852

See footnotes at end of table.

Table 4. Sales of Distillate Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Military		Off-Highway		All Other		Total	
	1998	1999	1998	1999	1998	1999	1998	1999
U.S. Total	352,189	356,602	2,477,199	2,490,492	-	-	55,305,694	57,573,018
PAD District I Total	40,860	70,890	640,744	680,622	-	-	19,588,241	20,682,755
Subdistrict IA Total	3,855	6,097	64,146	68,267	-	-	3,800,101	3,942,619
Connecticut	881	792	7,854	11,833	-	-	872,827	974,942
Maine	1,007	3,013	22,066	15,050	-	-	669,989	660,870
Massachusetts	525	487	20,151	27,779	-	-	1,422,002	1,434,621
New Hampshire	554	1,027	8,221	6,787	-	-	366,356	391,841
Rhode Island	749	302	2,972	3,606	-	-	244,151	241,742
Vermont	138	476	2,881	3,212	-	-	224,775	238,603
Subdistrict IB Total	14,786	23,865	173,945	201,559	-	-	7,879,408	8,630,972
Delaware	1,160	351	5,954	6,617	-	-	136,707	146,605
District of Columbia	162	195	460	6,220	-	-	70,134	79,275
Maryland	3,441	4,184	26,647	27,089	-	-	897,453	961,385
New Jersey	1,030	1,078	41,103	37,727	-	-	1,486,504	1,592,589
New York	666	5,943	49,180	50,315	-	-	2,775,706	3,096,749
Pennsylvania	8,327	12,113	50,602	73,590	-	-	2,512,902	2,754,369
Subdistrict IC Total	22,219	40,928	402,653	410,797	-	-	7,908,733	8,109,163
Florida	4,649	9,693	114,091	103,184	-	-	1,915,008	2,038,442
Georgia	2,023	4,448	72,770	114,403	-	-	1,626,308	1,779,807
North Carolina	1,758	12,048	92,151	56,790	-	-	1,461,010	1,385,146
South Carolina	3,523	2,067	47,976	48,933	-	-	800,933	800,151
Virginia	10,165	12,340	65,776	70,782	-	-	1,564,514	1,580,557
West Virginia	102	333	9,889	16,705	-	-	540,959	525,061
PAD District II Total	18,016	42,116	685,408	688,477	-	-	16,885,433	17,421,548
Illinois	1,520	8,213	77,215	87,315	-	-	1,796,635	1,915,600
Indiana	352	4,013	46,637	35,415	-	-	1,620,944	1,763,324
Iowa	304	571	50,428	42,775	-	-	876,313	867,048
Kansas	429	206	25,328	23,792	-	-	694,020	695,570
Kentucky	1,709	2,393	44,451	45,936	-	-	1,228,750	1,214,897
Michigan	279	488	70,799	77,439	-	-	1,317,113	1,406,217
Minnesota	293	1,592	48,036	52,982	-	-	1,078,517	1,059,937
Missouri	787	4,761	58,016	74,770	-	-	1,566,842	1,591,982
Nebraska	1,187	3,063	19,652	18,104	-	-	817,535	788,596
North Dakota	625	568	8,732	9,586	-	-	346,648	333,602
Ohio	266	5,015	72,646	82,356	-	-	2,013,443	2,126,387
Oklahoma	541	152	37,353	27,705	-	-	952,459	982,724
South Dakota	632	2,315	8,028	10,757	-	-	255,714	267,880
Tennessee	1,931	1,818	69,348	47,555	-	-	1,223,960	1,147,469
Wisconsin	7,162	6,949	48,738	51,991	-	-	1,096,540	1,260,313
PAD District III Total	169,731	129,681	601,559	504,807	-	-	9,505,662	9,373,017
Alabama	813	2,162	61,786	63,232	-	-	973,016	1,062,093
Arkansas	877	1,244	31,019	45,635	-	-	823,479	795,913
Louisiana	1,723	4,780	120,641	90,623	-	-	1,802,172	1,604,831
Mississippi	3,634	3,098	47,803	43,092	-	-	744,716	776,408
New Mexico	1,280	1,336	11,627	23,352	-	-	498,369	514,069
Texas	161,404	117,062	328,682	238,874	-	-	4,663,910	4,619,702
PAD District IV Total	2,975	2,724	149,471	171,616	-	-	2,265,536	2,451,648
Colorado	1,076	499	53,617	59,721	-	-	634,292	666,322
Idaho	102	632	25,023	32,051	-	-	343,129	395,826
Montana	218	195	18,065	17,581	-	-	343,578	349,791
Utah	1,547	1,217	38,115	30,653	-	-	456,838	433,885
Wyoming	31	181	14,650	31,611	-	-	487,699	605,825
PAD District V Total	120,606	111,190	400,017	444,970	-	-	7,060,822	7,644,051
Alaska	13,156	8,111	30,011	36,308	-	-	541,703	578,491
Arizona	587	-	37,066	66,936	-	-	817,764	896,984
California	26,261	12,641	154,840	187,424	-	-	3,443,604	3,665,459
Hawaii	2,496	31,180	13,003	5,594	-	-	196,001	234,007
Nevada	1,306	989	12,592	12,146	-	-	404,224	417,762
Oregon	191	3,091	44,832	38,704	-	-	700,719	774,458
Washington	76,609	55,178	107,673	97,859	-	-	956,806	1,076,890

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 1998 and 1999.

• 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, 1998 and 1999

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Utility	
	1998	1999	1998	1999	1998	1999	1998	1999
U.S. Total	715,111	645,927	1,797,906	1,700,054	127,464	123,984	6,431,746	4,990,083
PAD District I Total	574,886	614,904	1,435,165	1,288,308	85,367	81,098	5,536,036	4,162,866
Subdistrict IA Total	138,729	114,759	457,718	420,524	234	-	1,461,444	734,224
Connecticut	8,443	11,636	15,871	22,351	234	-	522,591	485,561
Maine	14,851	6,019	285,824	292,577	-	-	148,719	56,607
Massachusetts	74,743	65,609	93,910	49,825	-	-	729,754	48,092
New Hampshire	14,594	6,968	37,752	32,816	-	-	60,380	126,544
Rhode Island	20,467	20,578	15,514	14,750	-	-	-	17,421
Vermont	5,631	3,949	8,848	8,204	-	-	-	-
Subdistrict IB Total	423,295	483,271	261,037	247,203	84,856	80,845	1,618,177	1,356,915
Delaware	6,541	5,511	32,470	43,336	19,110	21,452	90,705	68,127
District of Columbia	222	99	-	-	-	-	-	-
Maryland	2,217	2,889	32,872	32,053	694	768	248,382	284,549
New Jersey	25,816	32,722	42,908	28,483	2,180	6,595	112,091	158,420
New York	356,962	412,137	97,759	89,040	798	876	999,720	695,779
Pennsylvania	31,537	29,913	55,027	54,289	62,075	51,154	167,278	150,040
Subdistrict IC Total	12,861	16,873	716,409	620,582	277	253	2,456,416	2,071,726
Florida	522	721	215,754	172,282	-	-	2,256,686	1,928,056
Georgia	61	11	63,797	58,345	-	-	6,373	6,522
North Carolina	6,015	5,553	243,334	228,616	-	-	-	50
South Carolina	341	532	83,726	61,951	120	109	8,121	5,650
Virginia	5,922	10,057	105,993	94,248	157	145	185,235	131,448
West Virginia	-	-	3,806	5,139	-	-	-	-
PAD District II Total	40,998	25,393	199,235	206,036	19,559	20,544	118,977	106,987
Illinois	6,090	4,335	7,907	8,684	-	-	35,128	18,136
Indiana	6,375	132	38,954	17,374	-	2	-	-
Iowa	40	-	4,617	5,554	-	-	-	-
Kansas	4,159	-	9,700	12,369	-	-	5,102	8,692
Kentucky	-	40	1,014	4,247	1,906	-	-	-
Michigan	87	146	16,556	12,788	4,515	5,573	74,610	77,537
Minnesota	8,503	8,587	15,695	15,167	2,925	6,680	2,301	2,327
Missouri	1,789	1,464	9,619	6,044	-	-	1,836	-
Nebraska	374	162	5,173	3,850	-	-	-	-
North Dakota	856	827	1,449	2,554	-	-	-	296
Ohio	35	-	39,615	62,293	5,047	3,775	-	-
Oklahoma	-	-	5,278	6,154	-	-	-	-
South Dakota	283	429	5,036	4,444	-	-	-	-
Tennessee	75	-	8,158	2,755	74	-	-	-
Wisconsin	12,332	9,272	30,465	41,760	5,092	4,514	-	-
PAD District III Total	-	-	129,749	143,532	1,806	-	419,216	250,328
Alabama	-	-	32,364	32,884	-	-	-	-
Arkansas	-	-	177	924	-	-	5,846	4,768
Louisiana	-	-	38,678	66,149	-	-	39,040	32,723
Mississippi	-	-	8,063	635	-	-	363,741	212,837
New Mexico	-	-	7,128	7,786	-	-	-	-
Texas	-	-	43,339	35,153	1,806	-	10,589	-
PAD District IV Total	514	720	5,809	4,064	5,073	511	-	-
Colorado	158	60	5	47	-	-	-	-
Idaho	176	-	65	333	-	-	-	-
Montana	31	122	500	512	5,073	489	-	-
Utah	146	539	4,918	2,756	-	22	-	-
Wyoming	3	-	321	417	-	-	-	-
PAD District V Total	98,714	4,910	27,947	58,114	15,658	21,831	357,516	469,902
Alaska	-	-	-	-	-	-	-	-
Arizona	-	-	1,030	1,516	-	-	-	-
California	3,113	-	1,597	27,582	28	3,979	-	-
Hawaii	89,894	319	515	602	15,585	17,818	357,147	469,902
Nevada	197	372	4,068	1,048	21	-	369	-
Oregon	3,775	2,652	7,328	7,926	-	34	-	-
Washington	1,735	1,567	13,409	19,441	24	1	-	-

See footnotes at end of table.

Table 5. Sales of Residual Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	1998	1999	1998	1999	1998	1999	1998	1999
U.S. Total	5,620,417	5,838,128	33,648	25,702	3,549	4,181	14,729,841	13,328,058
PAD District I Total	1,525,575	1,683,393	26,095	20,468	3,460	4,028	9,186,585	7,855,065
Subdistrict IA Total	10,855	6,286	6,651	6,148	426	145	2,076,057	1,282,087
Connecticut	260	24	481	657	136	59	548,015	520,289
Maine	9,276	5,098	5,543	5,246	290	—	464,503	365,547
Massachusetts	937	973	627	216	—	43	899,971	164,757
New Hampshire	317	8	—	29	—	—	113,042	166,365
Rhode Island	65	183	—	—	—	—	36,046	52,932
Vermont	—	—	—	—	—	43	14,479	12,196
Subdistrict IB Total	975,316	1,122,892	10,102	9,408	—	—	3,372,783	3,300,534
Delaware	72,240	96,415	165	155	—	—	221,232	234,996
District of Columbia	—	—	—	—	—	—	222	99
Maryland	54,396	49,515	5,810	4,616	—	—	344,371	374,390
New Jersey	347,970	358,109	3,333	777	—	—	534,299	585,108
New York	211,902	344,084	400	1,463	—	—	1,667,540	1,543,380
Pennsylvania	288,807	274,769	395	2,396	—	—	605,120	562,561
Subdistrict IC Total	539,405	554,214	9,342	4,911	3,034	3,883	3,737,745	3,272,444
Florida	403,968	421,520	406	—	2,503	3,583	2,879,839	2,526,162
Georgia	48,114	41,833	—	—	—	—	118,344	106,711
North Carolina	7,144	7,288	648	—	531	300	257,671	241,807
South Carolina	17,411	20,913	4,663	—	—	—	114,383	89,155
Virginia	62,769	62,661	3,625	4,911	—	—	363,702	303,470
West Virginia	—	—	—	—	—	—	3,806	5,139
PAD District II Total	25,733	18,069	726	718	19	76	405,247	377,823
Illinois	1,473	1,372	468	302	—	39	51,065	32,867
Indiana	15,965	13,606	—	—	—	—	61,294	31,114
Iowa	—	—	—	—	—	—	4,657	5,554
Kansas	—	—	140	416	—	—	19,102	21,477
Kentucky	—	—	—	—	—	—	2,920	4,287
Michigan	4,326	1,993	—	—	19	37	100,113	98,073
Minnesota	—	70	—	—	—	—	29,424	32,830
Missouri	212	267	—	—	—	—	13,456	7,775
Nebraska	—	—	—	—	—	—	5,547	4,011
North Dakota	—	—	—	—	—	—	2,305	3,678
Ohio	3,035	400	—	—	—	—	47,732	66,468
Oklahoma	—	—	118	—	—	—	5,395	6,154
South Dakota	—	—	—	—	—	—	5,318	4,873
Tennessee	—	—	—	—	—	—	8,307	2,755
Wisconsin	722	361	—	—	—	—	48,611	55,907
PAD District III Total	2,465,867	2,193,325	1,361	—	37	33	3,018,037	2,587,218
Alabama	43,593	48,065	—	—	—	—	75,957	80,948
Arkansas	—	—	—	—	—	—	6,024	5,692
Louisiana	1,068,698	1,126,640	—	—	—	—	1,146,416	1,225,512
Mississippi	54,858	50,725	—	—	—	—	426,662	264,197
New Mexico	—	—	—	—	37	33	7,165	7,819
Texas	1,298,719	967,896	1,361	—	—	—	1,355,814	1,003,049
PAD District IV Total	—	—	—	—	33	43	11,429	5,338
Colorado	—	—	—	—	—	—	163	107
Idaho	—	—	—	—	2	1	243	333
Montana	—	—	—	—	—	—	5,603	1,122
Utah	—	—	—	—	26	17	5,091	3,334
Wyoming	—	—	—	—	5	25	328	442
PAD District V Total	1,603,242	1,943,342	5,466	4,516	—	—	2,108,543	2,502,615
Alaska	375	12,738	—	—	—	—	375	12,738
Arizona	—	—	—	—	—	—	1,030	1,516
California	900,261	1,285,508	1,662	1,021	—	—	906,661	1,318,091
Hawaii	19,330	91,138	896	3,495	—	—	483,367	583,273
Nevada	—	—	—	—	—	—	4,654	1,420
Oregon	193,131	132,370	—	—	—	—	204,234	142,981
Washington	490,146	421,588	2,909	—	—	—	508,222	442,596

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 1998 and 1999.

Table 6. Sales of Kerosene by End Use, 1998 and 1999

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1998	1999	1998	1999	1998	1999
U.S. Total	802,348	823,436	230,743	199,577	123,246	58,279
PAD District I Total	659,105	562,304	189,089	170,373	75,519	33,031
Subdistrict IA Total	133,998	108,444	27,038	23,426	11,808	8,242
Connecticut	5,304	7,413	7,381	3,424	2,180	4,045
Maine	78,969	64,632	10,150	5,651	2,107	604
Massachusetts	8,257	7,502	2,957	9,447	884	863
New Hampshire	26,041	15,828	2,397	1,755	462	303
Rhode Island	1,731	2,069	2,826	1,671	512	777
Vermont	13,696	11,000	1,327	1,478	5,663	1,650
Subdistrict IB Total	250,726	242,254	124,659	117,764	48,778	16,853
Delaware	6,884	5,235	512	2,184	41	86
District of Columbia	232	220	12,306	9,539	-	-
Maryland	30,226	21,983	13,165	10,682	4,211	1,216
New Jersey	12,939	11,324	45,545	52,261	18,627	8,817
New York	78,389	97,741	41,222	28,634	20,289	1,797
Pennsylvania	122,056	105,751	11,908	14,464	5,609	4,937
Subdistrict IC Total	274,381	211,605	37,392	29,183	14,932	7,936
Florida	7,031	6,762	2,737	2,574	3,304	1,667
Georgia	7,199	10,110	1,147	1,558	1,240	799
North Carolina	125,513	83,371	10,943	7,753	4,209	1,200
South Carolina	28,548	23,207	1,984	1,277	4,202	3,021
Virginia	86,216	65,027	18,190	13,327	821	796
West Virginia	19,874	23,128	2,390	2,694	1,156	453
PAD District II Total	115,109	234,778	30,393	20,027	20,747	13,998
Illinois	5,053	21,850	1,636	3,534	5,649	1,241
Indiana	12,605	55,789	2,162	1,721	2,024	1,021
Iowa	1,063	990	133	185	307	61
Kansas	748	14,537	358	157	232	200
Kentucky	25,670	36,286	5,480	2,799	1,964	4,509
Michigan	11,437	25,452	2,754	1,567	1,713	1,312
Minnesota	3,054	1,344	1,308	837	65	64
Missouri	2,075	2,298	765	733	164	341
Nebraska	402	268	120	57	31	9
North Dakota	254	710	43	31	3	10
Ohio	32,527	54,378	9,159	5,411	5,862	2,560
Oklahoma	527	376	878	487	183	237
South Dakota	213	179	19	30	9	12
Tennessee	17,828	17,768	5,160	2,192	2,176	2,018
Wisconsin	1,654	2,555	419	285	364	404
PAD District III Total	7,748	9,115	3,984	5,231	18,873	8,021
Alabama	1,692	1,846	878	234	1,595	672
Arkansas	627	1,504	286	160	113	73
Louisiana	2,886	2,624	227	382	1,072	332
Mississippi	1,017	874	276	1,828	2,093	1,550
New Mexico	242	951	119	254	308	211
Texas	1,284	1,316	2,198	2,374	13,693	5,184
PAD District IV Total	1,933	1,234	801	624	606	688
Colorado	1,015	686	366	393	68	87
Idaho	580	256	139	62	135	220
Montana	107	58	4	2	5	4
Utah	163	182	225	149	135	201
Wyoming	68	53	67	18	262	176
PAD District V Total	18,453	16,006	6,477	3,322	7,502	2,541
Alaska	35	707	14	26	2	1
Arizona	112	81	60	200	167	84
California	9,959	7,846	2,663	1,204	6,637	1,383
Hawaii	-	-	5	2	6	4
Nevada	406	319	88	107	22	80
Oregon	2,768	3,422	2,628	1,283	543	511
Washington	5,173	3,631	1,020	499	126	478

See footnotes at end of table.

Table 6. Sales of Kerosene by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Farm		All Other		Total	
	1998	1999	1998	1999	1998	1999
U.S. Total	26,823	26,312	13,420	10,521	1,196,580	1,118,124
PAD District I Total	9,557	8,471	7,916	5,491	941,185	779,669
Subdistrict IA Total	1,224	1,277	424	564	174,493	141,954
Connecticut	24	22	18	24	14,906	14,927
Maine	377	342	74	86	91,678	71,315
Massachusetts	49	1	24	76	12,171	17,889
New Hampshire	205	341	165	134	29,269	18,360
Rhode Island	-	-	36	20	5,106	4,537
Vermont	569	572	107	225	21,362	14,925
Subdistrict IB Total	1,481	3,652	2,580	1,698	428,225	382,222
Delaware	27	29	2	-	7,466	7,534
District of Columbia	-	-	-	-	12,538	9,759
Maryland	500	287	39	17	48,141	34,186
New Jersey	16	8	127	51	77,254	72,461
New York	277	894	887	544	141,064	129,610
Pennsylvania	662	2,434	1,526	1,086	141,762	128,671
Subdistrict IC Total	6,851	3,542	4,912	3,228	338,467	255,494
Florida	144	641	3,418	2,290	16,634	13,934
Georgia	640	720	52	18	10,279	13,204
North Carolina	1,651	415	246	329	142,561	93,068
South Carolina	364	443	53	62	35,152	28,010
Virginia	3,069	1,039	1,057	516	109,353	80,705
West Virginia	983	285	86	13	24,489	26,572
PAD District II Total	14,671	11,957	2,292	3,238	183,213	283,998
Illinois	2,187	935	124	203	14,649	27,762
Indiana	1,204	1,604	180	767	18,176	60,903
Iowa	1,063	1,688	50	98	2,615	3,021
Kansas	595	218	160	12	2,092	15,124
Kentucky	2,504	728	144	262	35,762	44,584
Michigan	281	474	86	340	16,272	29,145
Minnesota	942	2,863	94	162	5,464	5,270
Missouri	389	143	89	33	3,481	3,548
Nebraska	369	126	45	18	967	477
North Dakota	16	25	18	13	335	789
Ohio	4,166	1,433	1,008	325	52,722	64,108
Oklahoma	259	94	74	714	1,922	1,908
South Dakota	42	50	-	5	283	275
Tennessee	427	154	153	53	25,744	22,185
Wisconsin	226	1,423	66	233	2,730	4,900
PAD District III Total	689	1,320	2,338	1,360	33,633	25,046
Alabama	10	23	55	730	4,230	3,505
Arkansas	49	435	561	55	1,636	2,226
Louisiana	45	64	1,244	238	5,474	3,640
Mississippi	33	5	66	122	3,485	4,378
New Mexico	48	518	17	34	733	1,968
Texas	505	274	394	182	18,074	9,329
PAD District IV Total	190	104	293	147	3,822	2,797
Colorado	122	55	280	121	1,850	1,341
Idaho	39	27	-	1	893	566
Montana	2	9	-	2	118	75
Utah	11	12	5	3	539	546
Wyoming	16	1	8	21	423	269
PAD District V Total	1,716	4,461	580	285	34,727	26,614
Alaska	-	-	1	-	51	733
Arizona	19	4	95	1	452	370
California	428	1,479	241	189	19,927	12,102
Hawaii	-	-	-	-	11	7
Nevada	29	568	1	-	546	1,075
Oregon	124	1,884	97	24	6,158	7,125
Washington	1,116	525	146	69	7,581	5,203

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 1998 and 1999.

Table 7. Sales for Residential Use: Distillate Fuel Oil and Kerosene, 1999
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
U.S. Total	164,883	6,137,584	6,302,467	823,436
PAD District I Total	26,999	5,296,023	5,323,022	562,304
Subdistrict IA Total	2,121	2,121,466	2,123,587	108,444
Connecticut	119	572,247	572,366	7,413
Maine	1,193	328,923	330,116	64,632
Massachusetts	29	790,534	790,563	7,502
New Hampshire	777	200,151	200,928	15,828
Rhode Island	1	140,200	140,201	2,069
Vermont	3	89,412	89,415	11,000
Subdistrict IB Total	22,112	2,775,572	2,797,684	242,254
Delaware	502	39,933	40,435	5,235
District of Columbia	-	9,255	9,255	220
Maryland	97	206,931	207,028	21,983
New Jersey	-	433,335	433,335	11,324
New York	2,384	1,254,827	1,257,211	97,741
Pennsylvania	19,129	831,292	850,421	105,751
Subdistrict IC Total	2,767	398,984	401,751	211,605
Florida	244	4,224	4,468	6,762
Georgia	-	2,426	2,426	10,110
North Carolina	889	130,738	131,627	83,371
South Carolina	727	21,572	22,299	23,207
Virginia	242	219,352	219,594	65,027
West Virginia	664	20,673	21,337	23,128
PAD District II Total	76,528	625,772	702,300	234,778
Illinois	4,289	18,232	22,521	21,850
Indiana	9,224	37,220	46,444	55,789
Iowa	5,329	18,485	23,814	990
Kansas	128	485	613	14,537
Kentucky	683	22,523	23,206	36,286
Michigan	8,433	124,373	132,806	25,452
Minnesota	17,123	76,100	93,223	1,344
Missouri	2,523	11,070	13,593	2,298
Nebraska	1,424	1,983	3,407	268
North Dakota	3,039	18,464	21,503	710
Ohio	6,766	145,468	152,234	54,378
Oklahoma	7	87	94	376
South Dakota	4,426	10,485	14,911	179
Tennessee	1,113	9,109	10,222	17,768
Wisconsin	12,022	131,688	143,710	2,555
PAD District III Total	28	1,528	1,556	9,115
Alabama	-	288	288	1,846
Arkansas	7	33	40	1,504
Louisiana	-	152	152	2,624
Mississippi	-	86	86	874
New Mexico	21	874	895	951
Texas	-	94	94	1,316
PAD District IV Total	8,743	27,518	36,261	1,234
Colorado	86	350	436	686
Idaho	4,464	16,625	21,089	256
Montana	3,708	6,277	9,985	58
Utah	328	3,169	3,497	182
Wyoming	157	1,097	1,254	53
PAD District V Total	52,585	186,743	239,328	16,006
Alaska	43,831	46,327	90,158	707
Arizona	16	142	158	81
California	424	7,170	7,594	7,846
Hawaii	-	12	12	-
Nevada	340	8,888	9,228	319
Oregon	3,619	44,682	48,301	3,422
Washington	4,355	79,523	83,878	3,631

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 1999.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Table 8. Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1999
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel			Total Distillate
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
U.S. Total	79,850	1,446,278	1,081,794	539,094	3,067,166	191,226	3,338,242	645,927	199,577
PAD District I Total	3,557	1,281,308	384,912	235,687	1,901,907	190,032	2,095,496	614,904	170,373
Subdistrict IA Total	184	403,888	83,739	19,241	506,868	32,314	539,367	114,759	23,426
Connecticut	114	88,456	20,439	2,107	111,002	6,380	117,495	11,636	3,424
Maine	68	98,678	21,356	2,683	122,717	1,041	123,827	6,019	5,651
Massachusetts	-	118,005	24,754	9,383	152,142	17,742	169,885	65,609	9,447
New Hampshire	-	48,460	11,222	133	59,815	3,811	63,626	6,968	1,755
Rhode Island	2	17,311	1,918	1,622	20,851	1,740	22,593	20,578	1,671
Vermont	-	32,979	4,050	3,313	40,341	1,600	41,941	3,949	1,478
Subdistrict IB Total	2,676	757,274	143,065	82,846	983,184	153,462	1,139,322	483,271	117,764
Delaware	-	6,859	3,810	596	11,265	3,086	14,351	5,511	2,184
District of Columbia	44	11,265	695	1,289	13,249	1,567	14,860	99	9,539
Maryland	780	48,226	25,987	21,931	96,144	1,183	98,107	2,889	10,682
New Jersey	10	137,797	23,432	9,759	170,988	11,784	182,783	32,722	52,261
New York	794	416,429	51,733	16,999	485,162	132,576	618,531	412,137	28,634
Pennsylvania	1,048	136,698	37,406	32,273	206,377	3,266	210,691	29,913	14,464
Subdistrict IC Total	697	120,147	158,107	133,600	411,855	4,255	416,807	16,873	29,183
Florida	-	5,597	48,579	25,231	79,408	451	79,859	721	2,574
Georgia	17	5,231	19,780	28,685	53,696	-	53,713	11	1,558
North Carolina	61	34,616	28,659	30,213	93,488	2,316	95,865	5,553	7,753
South Carolina	286	9,360	30,878	5,727	45,965	-	46,250	532	1,277
Virginia	56	62,305	23,465	39,847	125,617	1,352	127,025	10,057	13,327
West Virginia	277	3,038	6,746	3,897	13,681	136	14,095	-	2,694
PAD District II Total	41,997	118,379	250,607	180,484	549,470	1,034	592,501	25,393	20,027
Illinois	8,649	6,309	27,144	22,919	56,373	-	65,021	4,335	3,534
Indiana	2,785	17,314	23,399	13,665	54,378	-	57,163	132	1,721
Iowa	3,862	9,370	6,293	2,066	17,730	-	21,592	-	185
Kansas	2,708	828	15,339	2,150	18,317	-	21,024	-	157
Kentucky	677	8,851	21,375	17,208	47,434	532	48,643	40	2,799
Michigan	989	12,082	36,106	12,980	61,168	-	62,157	146	1,567
Minnesota	3,909	12,816	16,020	6,609	35,444	56	39,409	8,587	837
Missouri	1,635	1,878	9,709	32,129	43,715	-	45,351	1,464	733
Nebraska	3,165	938	4,490	1,057	6,485	51	9,702	162	57
North Dakota	1,330	1,864	4,350	2,829	9,043	-	10,373	827	31
Ohio	4,565	16,199	24,813	34,720	75,732	-	80,297	-	5,411
Oklahoma	90	-	10,363	5,614	15,976	-	16,066	-	487
South Dakota	1,609	3,885	2,844	625	7,355	-	8,964	429	30
Tennessee	42	6,026	18,417	17,671	42,114	395	42,551	-	2,192
Wisconsin	5,982	20,020	29,945	8,241	58,206	-	64,187	9,272	285
PAD District III Total	843	3,565	151,137	58,532	213,234	6	214,083	-	5,231
Alabama	2	1,927	17,319	6,041	25,286	-	25,287	-	234
Arkansas	-	134	7,249	4,167	11,549	-	11,549	-	160
Louisiana	133	56	14,035	10,179	24,270	-	24,403	-	382
Mississippi	-	-	8,575	2,941	11,516	6	11,522	-	1,828
New Mexico	70	775	11,239	1,922	13,936	-	14,006	-	254
Texas	639	674	92,721	33,283	126,678	-	127,317	-	2,374
PAD District IV Total	10,344	7,414	75,338	14,494	97,246	-	107,590	720	624
Colorado	4,812	1,686	28,015	1,507	31,208	-	36,021	60	393
Idaho	959	2,003	12,576	7,295	21,874	-	22,833	-	62
Montana	668	2,280	3,347	-	5,626	-	6,295	122	2
Utah	1,223	1,147	18,503	5,406	25,056	-	26,279	539	149
Wyoming	2,681	299	12,897	286	13,482	-	16,163	-	18
PAD District V Total	23,109	35,611	219,801	49,896	305,309	154	328,572	4,910	3,322
Alaska	16,983	22,762	6,978	11,246	40,986	125	58,094	-	26
Arizona	141	11	38,678	3,056	41,744	29	41,915	-	200
California	543	4,535	107,657	9,021	121,213	-	121,756	-	1,204
Hawaii	-	92	6,053	5,379	11,525	-	11,525	319	2
Nevada	668	2,297	12,333	865	15,495	-	16,163	372	107
Oregon	1,697	2,212	25,071	7,989	35,271	-	36,968	2,652	1,283
Washington	3,076	3,703	23,031	12,340	39,074	-	42,150	1,567	499

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 1999.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Table 9. Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1999
(Thousand Gallons)

Destination	Distillate Fuel Oil							Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
U.S. Total	145,780	537,988	740,563	1,005,296	2,283,847	48,092	2,477,719	1,700,054	58,279
PAD District I Total	22,412	254,782	122,021	330,319	707,123	37,163	766,697	1,288,308	33,031
Subdistrict IA Total	679	44,552	18,616	8,592	71,759	14,413	86,851	420,524	8,242
Connecticut	-	9,642	1,368	457	11,467	6,540	18,006	22,351	4,045
Maine	30	13,945	5,582	1,613	21,139	1,923	23,092	292,577	604
Massachusetts	171	7,222	6,503	3,663	17,389	2,890	20,449	49,825	863
New Hampshire	475	4,450	3,528	1,851	9,828	881	11,185	32,816	303
Rhode Island	-	4,063	1,116	284	5,463	971	6,433	14,750	777
Vermont	4	5,230	520	724	6,474	1,208	7,686	8,204	1,650
Subdistrict IB Total	14,670	129,020	30,860	75,529	235,409	18,001	268,081	247,203	16,853
Delaware	-	306	2,608	1,443	4,358	67	4,425	43,336	86
Maryland	11,312	28,120	3,775	7,267	39,163	966	51,441	32,053	1,216
New Jersey	30	26,152	1,802	4,344	32,299	6,212	38,541	28,483	8,817
New York	72	38,299	9,539	3,765	51,602	8,510	60,185	89,040	1,797
Pennsylvania	3,256	36,143	13,135	58,709	107,987	2,246	113,489	54,289	4,937
Subdistrict IC Total	7,062	81,211	72,546	246,198	399,955	4,749	411,765	620,582	7,936
Florida	120	10,918	13,531	31,812	56,261	2,819	59,200	172,282	1,667
Georgia	1,094	6,019	15,793	32,479	54,291	152	55,537	58,345	799
North Carolina	4,163	21,601	16,194	34,598	72,393	1,315	77,871	228,616	1,200
South Carolina	880	6,361	11,398	14,472	32,231	264	33,375	61,951	3,021
Virginia	680	22,519	9,167	44,379	76,065	199	76,944	94,248	796
West Virginia	124	13,793	6,463	88,459	108,714	-	108,839	5,139	453
PAD District II Total	81,057	244,505	152,204	309,564	706,274	4,828	792,158	206,036	13,998
Illinois	9,923	16,905	24,223	35,283	76,411	13	86,346	8,684	1,241
Indiana	7,701	80,738	19,067	25,644	125,450	299	133,449	17,374	1,021
Iowa	13,711	4,159	9,479	3,492	17,130	-	30,841	5,554	61
Kansas	2,626	2,819	7,956	5,113	15,888	511	19,025	12,369	200
Kentucky	2,109	18,729	8,395	112,845	139,969	123	142,200	4,247	4,509
Michigan	6,593	16,924	12,440	19,615	48,979	135	55,707	12,788	1,312
Minnesota	4,566	24,453	7,924	6,074	38,451	514	43,532	15,167	64
Missouri	6,878	25,769	15,771	12,940	54,480	423	61,780	6,044	341
Nebraska	10,941	1,627	1,210	2,708	5,545	965	17,452	3,850	9
North Dakota	2,510	1,936	1,344	1,281	4,562	-	7,072	2,554	10
Ohio	420	20,248	11,982	43,383	75,613	142	76,176	62,293	2,560
Oklahoma	292	753	3,897	3,466	8,116	675	9,084	6,154	237
South Dakota	545	5,178	2,713	243	8,134	226	8,905	4,444	12
Tennessee	2,547	4,432	11,127	13,629	29,188	553	32,287	2,755	2,018
Wisconsin	9,694	19,834	14,677	23,848	58,359	250	68,303	41,760	404
PAD District III Total	12,261	9,611	150,058	226,864	386,533	5,519	404,313	143,532	8,021
Alabama	504	3,050	23,184	49,305	75,540	147	76,190	32,884	672
Arkansas	38	174	4,556	8,010	12,740	1,047	13,825	924	73
Louisiana	-	-	6,573	40,484	47,058	-	47,058	66,149	332
Mississippi	2,201	844	7,219	41,306	49,369	3,041	54,611	635	1,550
New Mexico	2,695	2,568	27,123	1,525	31,216	-	33,910	7,786	211
Texas	6,824	2,975	81,402	86,233	170,611	1,284	178,719	35,153	5,184
PAD District IV Total	12,377	6,839	142,174	22,742	171,755	81	184,213	4,064	688
Colorado	1,484	1,765	13,891	8,550	24,206	-	25,689	47	87
Idaho	3,359	2,464	11,192	9,134	22,791	-	26,150	333	220
Montana	1,760	50	13,941	580	14,571	8	16,339	512	4
Utah	1,959	1,787	26,237	3,566	31,590	-	33,550	2,756	201
Wyoming	3,815	773	76,912	911	78,597	73	82,485	417	176
PAD District V Total	17,673	22,249	174,107	115,807	312,163	502	330,338	58,114	2,541
Alaska	14,371	2,974	546	12,185	15,706	-	30,077	-	1
Arizona	2,390	97	40,648	41,822	82,567	-	84,957	1,516	84
California	143	660	53,140	8,020	61,820	169	62,132	27,582	1,383
Hawaii	-	89	1,502	551	2,141	-	2,141	602	4
Nevada	296	17,435	57,537	27,535	102,507	-	102,804	1,048	80
Oregon	81	789	10,238	20,160	31,188	-	31,269	7,926	511
Washington	390	205	10,496	5,534	16,234	333	16,958	19,441	478

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 1999.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999,

(DOE/EIA-0340(99)/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, 1999
(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
U.S. Total	3,308,794	102,828	3,411,623	26,312	816,008	4,990,083	659,039	123,984
PAD District I Total	434,816	45,711	480,528	8,471	349,863	4,162,866	10,664	81,098
Subdistrict IA Total	17,588	11,172	28,760	1,277	13,425	734,224	13	-
Connecticut	2,235	2,648	4,882	22	2,050	485,561	10	-
Maine	3,506	4,170	7,676	342	677	56,607	-	-
Massachusetts	4,762	994	5,756	1	7,693	48,092	2	-
New Hampshire	1,288	1,538	2,826	341	1,599	126,544	-	-
Rhode Island	345	18	362	-	1,261	17,421	-	-
Vermont	5,452	1,805	7,258	572	144	-	-	-
Subdistrict IB Total	96,663	28,485	125,148	3,652	103,186	1,356,915	5,383	80,845
Delaware	7,116	428	7,544	29	8,741	68,127	2,488	21,452
District of Columbia	-	-	-	-	22,854	-	-	-
Maryland	25,316	1,081	26,397	287	20,865	284,549	16	768
New Jersey	14,656	927	15,584	8	7,649	158,420	233	6,595
New York	24,708	17,385	42,093	894	2,723	695,779	9	876
Pennsylvania	24,866	8,665	33,530	2,434	40,354	150,040	2,637	51,154
Subdistrict IC Total	320,566	6,054	326,619	3,542	233,252	2,071,726	5,269	253
Florida	119,452	55	119,507	641	142,351	1,928,056	223	-
Georgia	103,490	1,805	105,295	720	24,740	6,522	810	-
North Carolina	36,814	2,941	39,755	415	23,587	50	124	-
South Carolina	14,712	111	14,823	443	14,546	5,650	-	109
Virginia	41,614	437	42,051	1,039	14,473	131,448	3	145
West Virginia	4,483	705	5,188	285	13,555	-	4,108	-
PAD District II Total	1,563,802	38,906	1,602,708	11,957	217,128	106,987	30,342	20,544
Illinois	144,854	8,730	153,584	935	12,809	18,136	308	-
Indiana	78,093	1,931	80,024	1,604	46,077	-	2,510	2
Iowa	182,303	6,425	188,729	1,688	11,950	-	-	-
Kansas	164,757	1,201	165,958	218	14,043	8,692	5,196	-
Kentucky	30,350	409	30,759	728	8,405	-	472	-
Michigan	81,700	2,541	84,241	474	28,294	77,537	333	5,573
Minnesota	133,922	4,245	138,167	2,863	8,651	2,327	-	6,680
Missouri	79,223	132	79,355	143	16,523	-	53	-
Nebraska	149,827	758	150,585	126	4,094	-	24	-
North Dakota	85,296	1,066	86,362	25	2,437	296	1,756	-
Ohio	71,943	2,989	74,932	1,433	41,708	-	309	3,775
Oklahoma	73,435	25	73,460	94	1,365	-	19,294	-
South Dakota	69,618	925	70,543	50	849	-	85	-
Tennessee	37,466	73	37,539	154	13,467	-	-	-
Wisconsin	181,015	7,457	188,472	1,423	6,455	-	2	4,514
PAD District III Total	590,900	15,717	606,617	1,320	41,806	250,328	504,727	-
Alabama	25,544	-	25,544	23	8,131	-	665	-
Arkansas	95,230	-	95,230	435	14,709	4,768	1,802	-
Louisiana	79,755	22	79,777	64	3,090	32,723	257,987	-
Mississippi	65,679	6,683	72,362	5	2,587	212,837	4,065	-
New Mexico	14,853	8,832	23,684	518	2,573	-	15,498	-
Texas	309,839	181	310,020	274	10,716	-	224,709	-
PAD District IV Total	181,393	2,080	183,473	104	8,571	-	20,453	511
Colorado	49,360	1,230	50,591	55	3,062	-	5,313	-
Idaho	49,749	727	50,475	27	9	-	-	-
Montana	51,825	59	51,885	9	94	-	2,105	489
Utah	12,964	21	12,985	12	2,003	-	1,889	22
Wyoming	17,494	42	17,537	1	3,403	-	11,147	-
PAD District V Total	537,884	414	538,298	4,461	198,639	469,902	92,852	21,831
Alaska	15	1	16	-	66,896	-	79,725	-
Arizona	32,399	-	32,399	4	5,826	-	86	-
California	393,572	3	393,575	1,479	7,841	-	11,759	3,979
Hawaii	11,127	-	11,127	-	111,661	469,902	94	17,818
Nevada	6,477	43	6,520	568	1,251	-	51	-
Oregon	50,080	267	50,347	1,884	2,292	-	269	34
Washington	44,213	100	44,313	525	2,872	-	870	1

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 1998.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Table 11. Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 1999
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	3,239,044	2,419,336	5,838,128	32,062,447	37,720,827	5,838,128
PAD District I Total	464,528	501,069	1,683,393	9,939,376	10,904,973	1,683,393
Subdistrict IA Total	22,713	46,506	6,286	1,007,035	1,076,253	6,286
Connecticut	7,510	4,574	24	235,423	247,506	24
Maine	1,864	6,816	5,098	148,739	157,419	5,098
Massachusetts	12,001	22,943	973	377,063	412,007	973
New Hampshire	2	607	8	103,255	103,864	8
Rhode Island	303	11,111	183	55,570	66,984	183
Vermont	1,032	455	-	86,985	88,473	-
Subdistrict IB Total	117,168	175,665	1,122,892	3,673,911	3,966,745	1,122,892
Delaware	553	3,642	96,415	57,458	61,653	96,415
District of Columbia	3,775	3	-	22,114	25,892	-
Maryland	8,371	31,538	49,515	486,350	526,259	49,515
New Jersey	18,628	87,992	358,109	769,039	875,659	358,109
New York	33,253	15,397	344,084	1,011,088	1,059,738	344,084
Pennsylvania	52,589	37,094	274,769	1,327,862	1,417,545	274,769
Subdistrict IC Total	324,647	278,898	554,214	5,258,430	5,861,975	554,214
Florida	133,681	146,853	421,520	1,239,423	1,519,956	421,520
Georgia	77,197	18,588	41,833	1,322,651	1,418,436	41,833
North Carolina	56,616	11,848	7,288	879,015	947,478	7,288
South Carolina	13,708	13,373	20,913	590,776	617,857	20,913
Virginia	33,824	30,927	62,661	952,594	1,017,346	62,661
West Virginia	9,621	57,308	-	273,971	340,901	-
PAD District II Total	1,312,935	664,522	18,069	10,776,359	12,753,817	18,069
Illinois	143,077	44,071	1,372	1,292,335	1,479,483	1,372
Indiana	84,260	45,157	13,606	1,228,811	1,358,229	13,606
Iowa	43,678	8,258	-	494,842	546,778	-
Kansas	71,446	-	-	374,267	445,713	-
Kentucky	114,757	94,889	-	703,236	912,882	-
Michigan	55,112	4,572	1,993	905,067	964,751	1,993
Minnesota	70,984	6,862	70	604,536	682,382	70
Missouri	30,656	402,846	267	862,295	1,295,797	267
Nebraska	222,721	66	-	359,379	582,166	-
North Dakota	52,666	-	-	141,280	193,946	-
Ohio	93,521	3,389	400	1,516,451	1,613,361	400
Oklahoma	218,497	712	-	616,296	835,505	-
South Dakota	5,253	-	-	145,298	150,551	-
Tennessee	51,130	50,879	-	860,020	962,029	-
Wisconsin	55,177	2,822	361	672,246	730,246	361
PAD District III Total	732,550	856,429	2,193,325	5,376,448	6,965,428	2,193,325
Alabama	45,576	72,960	48,065	742,059	860,594	48,065
Arkansas	50,893	4,750	-	556,238	611,880	-
Louisiana	29,139	482,257	1,126,640	585,564	1,096,960	1,126,640
Mississippi	15,431	13,789	50,725	555,765	584,985	50,725
New Mexico	256	-	-	398,559	398,815	-
Texas	591,256	282,673	967,896	2,538,263	3,412,192	967,896
PAD District IV Total	251,806	403	-	1,484,538	1,736,747	-
Colorado	47,204	-	-	437,787	484,991	-
Idaho	27,664	236	-	214,688	242,588	-
Montana	57,879	-	-	187,434	245,313	-
Utah	21,762	33	-	300,016	321,811	-
Wyoming	97,297	134	-	344,613	442,044	-
PAD District V Total	477,225	396,913	1,943,342	4,485,726	5,359,864	1,943,342
Alaska	5,943	128,131	12,738	75,031	209,105	12,738
Arizona	4,051	33	-	660,624	664,708	-
California	272,045	130,368	1,285,508	2,458,325	2,860,738	1,285,508
Hawaii	-	27,993	91,138	32,680	60,673	91,138
Nevada	6,982	-	-	261,630	268,612	-
Oregon	116,791	17,841	132,370	428,584	563,216	132,370
Washington	71,413	92,547	421,588	568,852	732,812	421,588

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 1999.

• 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, 1999
(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
U.S. Total	330,496	26,106	356,602	25,702	1,993,224	497,268	2,490,492	-	4,181	10,521
PAD District I Total	55,843	15,047	70,890	20,468	555,415	125,207	680,622	-	4,028	5,491
Subdistrict IA Total	2,356	3,741	6,097	6,148	59,810	8,457	68,267	-	145	564
Connecticut	291	501	792	657	11,254	579	11,833	-	59	24
Maine	1,107	1,906	3,013	5,246	12,345	2,705	15,050	-	-	86
Massachusetts	383	104	487	216	26,897	882	27,779	-	43	76
New Hampshire	372	654	1,027	29	5,409	1,378	6,787	-	-	134
Rhode Island	179	123	302	-	2,342	1,263	3,606	-	-	20
Vermont	23	453	476	-	1,563	1,649	3,212	-	43	225
Subdistrict IB Total	15,839	8,026	23,865	9,408	183,042	18,517	201,559	-	-	1,698
Delaware	348	3	351	155	3,246	3,372	6,617	-	-	-
District of Columbia	134	61	195	-	6,096	124	6,220	-	-	-
Maryland	2,514	1,670	4,184	4,616	25,294	1,795	27,089	-	-	17
New Jersey	753	325	1,078	777	35,426	2,301	37,727	-	-	51
New York	3,213	2,730	5,943	1,463	48,118	2,197	50,315	-	-	544
Pennsylvania	8,877	3,237	12,113	2,396	64,861	8,728	73,590	-	-	1,086
Subdistrict IC Total	37,648	3,280	40,928	4,911	312,564	98,233	410,797	-	3,883	3,228
Florida	9,693	-	9,693	-	98,338	4,847	103,184	-	3,583	2,290
Georgia	4,400	47	4,448	-	58,472	55,930	114,403	-	-	18
North Carolina	12,048	-	12,048	-	48,748	8,041	56,790	-	300	329
South Carolina	1,553	514	2,067	-	40,771	8,162	48,933	-	-	62
Virginia	9,621	2,718	12,340	4,911	53,872	16,910	70,782	-	-	516
West Virginia	333	-	333	-	12,362	4,343	16,705	-	-	13
PAD District II Total	39,228	2,888	42,116	718	603,820	84,657	688,477	-	76	3,238
Illinois	8,197	15	8,213	302	85,682	1,633	87,315	-	39	203
Indiana	2,255	1,758	4,013	-	27,608	7,808	35,415	-	-	767
Iowa	571	-	571	-	39,687	3,088	42,775	-	-	98
Kansas	206	-	206	416	22,774	1,017	23,792	-	-	12
Kentucky	2,327	66	2,393	-	39,814	6,122	45,936	-	-	262
Michigan	488	-	488	-	72,802	4,637	77,439	-	37	340
Minnesota	1,592	-	1,592	-	46,157	6,825	52,982	-	-	162
Missouri	4,519	242	4,761	-	68,519	6,251	74,770	-	-	33
Nebraska	3,063	-	3,063	-	16,273	1,831	18,104	-	-	18
North Dakota	568	-	568	-	8,866	720	9,586	-	-	13
Ohio	4,968	47	5,015	-	56,423	25,934	82,356	-	-	325
Oklahoma	152	-	152	-	25,936	1,769	27,705	-	-	714
South Dakota	2,285	30	2,315	-	8,610	2,147	10,757	-	-	5
Tennessee	1,818	-	1,818	-	37,756	9,799	47,555	-	-	53
Wisconsin	6,219	730	6,949	-	46,915	5,076	51,991	-	-	233
PAD District III Total	129,681	-	129,681	-	372,938	131,869	504,807	-	33	1,360
Alabama	2,162	-	2,162	-	34,679	28,553	63,232	-	-	730
Arkansas	1,244	-	1,244	-	20,524	25,111	45,635	-	-	55
Louisiana	4,780	-	4,780	-	61,064	29,559	90,623	-	-	238
Mississippi	3,098	-	3,098	-	22,929	20,163	43,092	-	-	122
New Mexico	1,336	-	1,336	-	17,626	5,727	23,352	-	33	34
Texas	117,062	-	117,062	-	216,117	22,756	238,874	-	-	182
PAD District IV Total	1,533	1,191	2,724	-	137,777	33,838	171,616	-	43	147
Colorado	499	-	499	-	58,864	857	59,721	-	-	121
Idaho	401	231	632	-	14,846	17,204	32,051	-	1	1
Montana	195	-	195	-	10,368	7,213	17,581	-	-	2
Utah	257	960	1,217	-	28,807	1,845	30,653	-	17	3
Wyoming	181	-	181	-	24,892	6,719	31,611	-	25	21
PAD District V Total	104,211	6,979	111,190	4,516	323,273	121,697	444,970	-	-	285
Alaska	8,100	11	8,111	-	13,258	23,050	36,308	-	-	-
Arizona	-	-	-	-	64,094	2,842	66,936	-	-	1
California	12,641	-	12,641	1,021	161,251	26,172	187,424	-	-	189
Hawaii	31,180	-	31,180	3,495	5,594	-	5,594	-	-	-
Nevada	989	-	989	-	11,522	624	12,146	-	-	-
Oregon	3,091	-	3,091	-	16,142	22,562	38,704	-	-	24
Washington	48,210	6,968	55,178	-	51,412	46,447	97,859	-	-	69

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 1999.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Adjusted Sales of Fuel Oil and Kerosene in 1999

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.

The products supplied estimates can be found in the 1995 through 1999 issues of the *Petroleum Supply An-*

nual. 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 1.1 percent from 67.9 billion gallons in 1998 to 68.6 billion gallons in 1999. While adjusted sales of distillate increased 3.2 percent in 1999, residual fuel oil and kerosene decrease 6.4 and 6.6 percent, respectively, in 1999.

Table 13. Adjusted Sales of Distillate Fuel Oil by End Use in the United States: 1995-1999
(Thousand Gallons)

End Use	Distillate Fuel Oil				
	1995	1996	1997	1998	1999
U.S. Total	49,157,598	51,730,518	52,665,438	53,063,934	54,758,718
Residential	6,370,381	6,707,714	6,487,768	5,633,409	5,847,762
Commercial	3,318,818	3,433,555	3,218,497	3,044,495	3,003,653
Industrial	2,027,409	2,107,190	2,167,169	2,258,248	2,170,075
Oil Company	556,126	625,608	632,595	565,174	576,997
Farm	3,230,765	3,334,420	3,304,531	3,033,405	2,899,222
Electric Utility	601,185	684,263	646,778	962,921	912,807
Railroad	3,191,023	3,266,861	3,067,400	2,833,276	2,789,926
Vessel Bunkering	1,978,105	2,177,608	2,107,561	2,125,568	2,064,590
On-Highway Diesel	25,576,433	26,958,668	28,614,022	30,150,191	32,062,447
Military	368,219	371,093	337,390	277,688	288,926
Off-Highway Diesel	1,939,133	2,063,538	2,081,728	2,179,560	2,142,313

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 1995-1999.

• 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, 1995-1999, (DOE/EIA-0340(95)/1 - (99)/1).

Table 14. Adjusted Sales of Residual Fuel Oil by End Use in the United States: 1995-1999
(Thousand Gallons)

End Use	Residual Fuel Oil				
	1995	1996	1997	1998	1999
U.S. Total	13,058,262	13,041,042	12,213,390	13,599,558	12,725,916
Commercial	1,007,962	944,717	754,967	590,388	619,429
Industrial	2,160,606	2,127,457	1,815,165	1,484,331	1,630,313
Oil Company	231,022	170,471	153,424	105,233	118,898
Electric Utility	3,164,462	3,925,629	4,655,775	6,748,744	4,729,990
Vessel Bunkering	6,431,238	5,804,977	4,789,861	4,640,153	5,598,630
Military	55,614	57,249	40,311	27,779	24,647
All Other	7,359	10,542	3,886	2,930	4,009

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 1995-1999.

• 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, 1995-1999, (DOE/EIA-0340(95)/1 - (99)/1).

Table 15. Adjusted Sales of Kerosene by End Use in the United States: 1995-1999
(Thousand Gallons)

End Use	Kerosene				
	1995	1996	1997	1998	1999
U.S. Total	828,450	948,990	1,009,932	1,196,580	1,118,124
Residential	550,336	657,636	688,025	802,348	823,436
Commercial	163,716	155,792	182,559	230,743	199,577
Industrial	86,902	102,322	110,738	123,246	58,279
Farm	19,919	26,017	21,556	26,823	26,312
All Other	7,576	7,223	7,054	13,420	10,521

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, 1995-1999, (DOE/EIA-0340(95)/1 - (99)/1).

Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1998 and 1999

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1998	1999	1998	1999	1998	1999
U.S. Total	5,633,409	5,847,762	3,044,495	3,003,653	2,258,248	2,170,075
PAD District I Total	4,783,009	5,067,702	1,967,367	1,994,985	758,267	729,922
Subdistrict IA Total	1,933,505	2,021,728	580,952	513,496	96,280	82,686
Connecticut	473,268	544,912	112,564	111,860	22,405	17,143
Maine	323,193	314,282	117,608	117,888	31,715	21,984
Massachusetts	726,585	752,643	231,260	161,736	20,701	19,469
New Hampshire	184,820	191,290	52,849	60,574	6,822	10,648
Rhode Island	139,718	133,476	26,526	21,509	7,701	6,125
Vermont	85,921	85,126	40,144	39,929	6,936	7,317
Subdistrict IB Total	2,454,172	2,663,492	972,927	1,084,674	251,521	255,222
Delaware	34,429	38,496	12,392	13,663	4,628	4,213
District of Columbia	10,065	8,811	13,618	14,147	292	-
Maryland	184,602	197,097	109,341	93,401	67,230	48,973
New Jersey	390,578	412,550	130,999	174,016	40,574	36,692
New York	1,139,875	1,196,908	509,850	588,863	41,789	57,298
Pennsylvania	694,622	809,630	196,727	200,585	97,008	108,045
Subdistrict IC Total	395,332	382,481	413,488	396,815	410,465	392,015
Florida	4,660	4,254	59,595	76,028	53,374	56,360
Georgia	4,001	2,309	30,633	51,136	45,231	52,873
North Carolina	128,080	125,313	110,584	91,267	82,075	74,136
South Carolina	20,341	21,229	64,282	44,032	23,294	31,774
Virginia	214,843	209,061	132,544	120,932	88,685	73,253
West Virginia	23,407	20,314	15,849	13,419	117,805	103,618
PAD District II Total	620,486	605,506	560,518	510,839	774,998	682,979
Illinois	17,267	19,417	76,959	56,060	115,874	74,446
Indiana	43,583	40,043	58,794	49,285	103,693	115,056
Iowa	22,736	20,531	19,137	18,616	31,388	26,590
Kansas	472	529	18,227	18,127	14,954	16,403
Kentucky	24,176	20,008	43,758	41,939	154,029	122,601
Michigan	109,667	114,503	62,241	53,590	51,046	48,029
Minnesota	105,059	80,374	34,828	33,977	51,221	37,532
Missouri	12,150	11,719	47,946	39,100	42,621	53,266
Nebraska	2,671	2,937	9,162	8,365	20,668	15,047
North Dakota	21,976	18,539	11,122	8,944	8,002	6,097
Ohio	119,569	131,252	46,456	69,230	68,865	65,677
Oklahoma	51	80	25,585	13,852	8,832	7,832
South Dakota	15,802	12,856	9,802	7,728	3,036	7,678
Tennessee	9,517	8,813	39,234	36,686	40,371	27,837
Wisconsin	115,792	123,903	57,267	55,341	60,397	58,889
PAD District III Total	310	1,438	138,454	197,931	203,760	373,809
Alabama	172	266	16,344	23,380	47,150	70,442
Arkansas	15	37	10,322	10,677	10,856	12,782
Louisiana	29	141	8,723	22,562	8,484	43,507
Mississippi	30	80	10,536	10,653	14,339	50,491
New Mexico	57	827	3,984	12,949	24,677	31,352
Texas	8	87	88,545	117,711	98,253	165,235
PAD District IV Total	42,623	39,032	98,835	115,813	190,151	198,292
Colorado	889	469	41,516	38,773	23,495	27,653
Idaho	17,823	22,700	19,720	24,578	28,496	28,149
Montana	19,343	10,748	5,454	6,776	16,432	17,588
Utah	3,356	3,765	25,077	28,288	35,067	36,114
Wyoming	1,212	1,351	7,067	17,398	86,661	88,789
PAD District V Total	186,981	134,085	279,321	184,084	331,073	185,074
Alaska	64,704	50,511	41,337	32,548	29,061	16,851
Arizona	173	89	43,413	23,483	84,303	47,598
California	6,534	4,254	102,852	68,215	60,089	34,810
Hawaii	13	7	8,149	6,457	1,754	1,200
Nevada	10,550	5,170	11,942	9,056	108,879	57,596
Oregon	36,999	27,061	38,487	20,712	32,953	17,519
Washington	68,008	46,993	33,142	23,615	14,034	9,501

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Oil Company		Farm		Electric Utility	
	1998	1999	1998	1999	1998	1999
U.S. Total	565,174	576,997	3,033,405	2,899,222	962,921	912,807
PAD District I Total	7,065	10,153	385,841	457,479	442,618	391,365
Subdistrict IA Total	98	12	18,470	27,381	15,471	15,017
Connecticut	14	10	3,304	4,648	5,097	2,294
Maine	-	-	4,653	7,308	1,526	758
Massachusetts	78	2	2,839	5,480	5,026	8,605
New Hampshire	-	-	1,169	2,690	1,921	1,789
Rhode Island	-	-	55	345	1,404	1,411
Vermont	7	-	6,450	6,909	498	161
Subdistrict IB Total	3,000	5,125	100,403	119,145	120,020	115,427
Delaware	1,023	2,368	6,993	7,182	3,462	9,778
District of Columbia	-	-	-	-	21,553	25,565
Maryland	31	15	23,283	25,131	23,686	23,340
New Jersey	289	222	4,769	14,836	8,741	8,557
New York	748	9	38,605	40,074	3,789	3,047
Pennsylvania	910	2,510	26,753	31,922	58,789	45,141
Subdistrict IC Total	3,967	5,016	266,969	310,953	307,126	260,922
Florida	306	213	71,157	113,775	173,222	159,238
Georgia	315	771	108,037	100,244	46,246	27,675
North Carolina	132	119	34,346	37,848	31,541	26,385
South Carolina	4	-	16,809	14,112	31,220	16,271
Virginia	2,967	3	33,880	40,034	11,657	16,189
West Virginia	242	3,911	2,739	4,940	13,240	15,163
PAD District II Total	43,466	26,160	1,582,727	1,381,814	252,760	242,885
Illinois	774	266	204,813	132,416	49,421	14,329
Indiana	2,203	2,164	93,281	68,994	31,547	51,543
Iowa	-	-	192,804	162,717	8,552	13,368
Kansas	3,064	4,480	158,601	143,085	8,386	15,708
Kentucky	4,458	407	43,102	26,520	8,374	9,402
Michigan	2,158	287	50,556	72,631	28,313	31,651
Minnesota	267	-	163,613	119,124	6,763	9,678
Missouri	105	46	59,101	68,418	10,318	18,483
Nebraska	37	21	168,496	129,831	2,580	4,579
North Dakota	4,295	1,514	85,416	74,459	40,327	2,726
Ohio	1,491	266	83,212	64,604	35,456	46,656
Oklahoma	24,289	16,635	69,326	63,335	3,258	1,527
South Dakota	-	73	68,458	60,820	825	950
Tennessee	326	-	58,446	32,365	13,767	15,065
Wisconsin	-	2	83,502	162,496	4,873	7,220
PAD District III Total	392,981	466,646	437,615	560,850	53,256	46,766
Alabama	243	615	19,460	23,616	11,014	9,095
Arkansas	1,168	1,666	77,603	88,045	11,575	16,454
Louisiana	230,650	238,523	35,070	73,758	14,590	3,457
Mississippi	1,368	3,759	69,675	66,903	4,070	2,894
New Mexico	12,120	14,329	10,215	21,898	786	2,878
Texas	147,434	207,755	225,592	286,630	11,222	11,988
PAD District IV Total	30,315	22,016	209,537	197,495	8,241	9,588
Colorado	4,903	5,719	74,291	54,457	550	3,426
Idaho	-	-	41,812	54,333	29	10
Montana	1,745	2,265	55,691	55,850	-	105
Utah	5,528	2,033	22,610	13,978	3,528	2,241
Wyoming	18,140	11,998	15,134	18,877	4,134	3,807
PAD District V Total	91,346	52,021	417,685	301,584	206,046	222,203
Alaska	83,626	44,666	2	9	68,820	74,832
Arizona	85	48	23,062	18,152	3,461	6,517
California	5,334	6,588	295,431	220,502	9,012	8,772
Hawaii	1,123	53	8,277	6,234	121,998	124,906
Nevada	269	28	4,903	3,653	1,787	1,399
Oregon	213	151	29,224	28,207	449	2,564
Washington	697	487	56,786	24,827	519	3,213

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Railroad		Vessel Bunkering		On-Highway	
	1998	1999	1998	1999	1998	1999
U.S. Total	2,833,276	2,789,926	2,125,568	2,064,590	30,150,191	32,062,447
PAD District I Total	479,042	442,247	507,256	477,035	9,398,405	9,939,376
Subdistrict IA Total	28,566	21,623	46,648	44,275	942,889	1,007,035
Connecticut	6,887	7,149	2,774	4,354	222,076	235,423
Maine	7,830	1,775	12,243	6,489	135,254	148,739
Massachusetts	12,476	11,425	19,280	21,843	357,050	377,063
New Hampshire	17	2	522	578	103,225	103,255
Rhode Island	263	288	11,343	10,578	48,713	55,570
Vermont	1,092	983	487	433	76,571	86,985
Subdistrict IB Total	124,968	111,548	151,568	167,240	3,420,503	3,673,911
Delaware	433	527	2,576	3,467	62,453	57,458
District of Columbia	4,552	3,594	3	3	21,412	22,114
Maryland	5,870	7,970	20,143	30,025	425,381	486,350
New Jersey	43,126	17,734	90,255	83,772	717,711	769,039
New York	23,450	31,658	4,774	14,658	917,161	1,011,088
Pennsylvania	47,538	50,066	33,817	35,315	1,276,385	1,327,862
Subdistrict IC Total	325,508	309,075	309,040	265,520	5,035,013	5,258,430
Florida	103,642	127,269	157,585	139,809	1,182,855	1,239,423
Georgia	74,455	73,494	10,258	17,697	1,231,023	1,322,651
North Carolina	44,816	53,900	35,255	11,279	892,816	879,015
South Carolina	16,209	13,051	13,579	12,732	563,590	590,776
Virginia	66,346	32,202	28,989	29,444	895,185	952,594
West Virginia	20,040	9,160	63,374	54,560	269,544	273,971
PAD District II Total	1,246,799	1,131,980	587,612	572,934	10,205,834	10,776,359
Illinois	104,333	123,357	42,053	37,997	1,077,513	1,292,335
Indiana	64,889	72,647	25,739	38,933	1,129,693	1,228,811
Iowa	45,193	37,658	7,148	7,120	479,789	494,842
Kansas	76,052	61,599	-	-	372,593	374,267
Kentucky	96,618	98,941	89,982	81,811	690,621	703,236
Michigan	51,806	47,516	7,755	3,942	865,113	905,067
Minnesota	91,241	61,201	3,791	5,916	546,107	604,536
Missouri	28,345	26,431	341,792	347,323	933,682	862,295
Nebraska	207,061	192,024	36	57	360,777	359,379
North Dakota	18,756	45,407	512	-	142,612	141,280
Ohio	139,142	80,631	8,650	2,922	1,412,948	1,516,451
Oklahoma	196,323	188,382	515	614	566,471	616,296
South Dakota	1,271	4,529	-	-	141,809	145,298
Tennessee	95,545	44,083	57,090	43,867	821,331	860,020
Wisconsin	30,224	47,573	2,548	2,433	664,775	672,246
PAD District III Total	443,782	677,282	721,207	791,814	5,125,135	5,376,448
Alabama	28,335	42,137	18,932	67,455	701,742	742,059
Arkansas	41,198	47,053	3,642	4,391	560,831	556,238
Louisiana	20,380	26,941	435,543	445,873	541,189	585,564
Mississippi	15,276	14,267	16,664	12,749	494,855	555,765
New Mexico	9,105	236	-	-	393,110	398,559
Texas	329,489	546,647	246,427	261,347	2,433,408	2,538,263
PAD District IV Total	302,246	271,050	185	434	1,303,954	1,484,538
Colorado	67,747	50,811	-	-	383,801	437,787
Idaho	37,302	29,778	185	254	184,607	214,688
Montana	68,739	62,303	-	-	171,675	187,434
Utah	29,065	23,425	-	36	303,331	300,016
Wyoming	99,394	104,733	-	145	260,540	344,613
PAD District V Total	361,407	267,368	309,307	222,373	4,116,863	4,485,726
Alaska	4,504	3,330	102,755	71,786	68,548	75,031
Arizona	2,557	2,270	-	18	602,809	660,624
California	231,282	152,415	105,189	73,039	2,339,261	2,458,325
Hawaii	-	-	20,368	15,683	28,956	32,680
Nevada	4,297	3,912	-	-	228,955	261,630
Oregon	54,985	65,433	15,434	9,995	418,953	428,584
Washington	63,782	40,010	65,560	51,850	429,381	568,852

See footnotes at end of table.

Table 16. Adjusted Sales of Distillate Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Military		Off-Highway		All Other		Total	
	1998	1999	1998	1999	1998	1999	1998	1999
U.S. Total	277,688	288,926	2,179,560	2,142,313	-	-	53,063,934	54,758,718
PAD District I Total	39,813	67,490	624,312	647,976	-	-	19,392,996	20,225,730
Subdistrict IA Total	3,756	5,805	62,501	64,992	-	-	3,729,136	3,804,050
Connecticut	858	754	7,653	11,265	-	-	856,900	939,812
Maine	981	2,869	21,500	14,328	-	-	656,504	636,418
Massachusetts	512	464	19,634	26,447	-	-	1,395,441	1,385,177
New Hampshire	540	977	8,010	6,461	-	-	2,489,895	378,265
Rhode Island	730	288	2,896	3,433	-	-	239,348	233,022
Vermont	135	453	2,807	3,058	-	-	221,049	231,355
Subdistrict IB Total	14,407	22,721	169,485	191,891	-	-	7,782,975	8,410,395
Delaware	1,130	334	5,801	6,300	-	-	135,320	143,785
District of Columbia	158	186	449	5,921	-	-	72,103	80,340
Maryland	3,353	3,984	25,963	25,790	-	-	888,883	942,076
New Jersey	1,004	1,026	40,049	35,918	-	-	1,468,093	1,554,361
New York	649	5,658	47,918	47,902	-	-	2,728,609	2,997,164
Pennsylvania	8,113	11,532	49,305	70,060	-	-	2,489,968	2,692,669
Subdistrict IC Total	21,650	38,965	392,327	391,093	-	-	7,880,885	8,011,285
Florida	4,530	9,228	111,165	98,235	-	-	1,922,092	2,023,831
Georgia	1,971	4,234	70,904	108,915	-	-	1,623,075	1,762,001
North Carolina	1,713	11,470	89,787	54,066	-	-	1,451,147	1,364,799
South Carolina	3,433	1,968	46,746	46,586	-	-	799,507	792,531
Virginia	9,904	11,748	64,090	67,387	-	-	1,549,089	1,552,847
West Virginia	99	317	9,635	15,904	-	-	535,975	515,276
PAD District II Total	16,955	36,312	645,051	593,588	-	-	16,537,206	16,561,356
Illinois	1,430	7,081	72,669	75,281	-	-	1,763,105	1,832,984
Indiana	331	3,460	43,891	30,534	-	-	1,597,644	1,701,471
Iowa	286	492	47,459	36,879	-	-	854,491	818,814
Kansas	404	178	23,836	20,513	-	-	676,590	654,888
Kentucky	1,609	2,063	41,834	39,605	-	-	1,198,558	1,146,533
Michigan	262	421	66,631	66,766	-	-	1,295,547	1,344,402
Minnesota	276	1,373	45,208	45,680	-	-	1,048,375	999,390
Missouri	740	4,105	54,600	64,465	-	-	1,531,401	1,495,650
Nebraska	1,117	2,641	18,495	15,609	-	-	791,101	730,489
North Dakota	588	489	8,218	8,264	-	-	341,824	307,720
Ohio	250	4,324	68,369	71,006	-	-	1,984,408	2,053,019
Oklahoma	509	131	35,153	23,886	-	-	930,313	932,571
South Dakota	594	1,996	7,555	9,274	-	-	249,154	251,203
Tennessee	1,817	1,568	65,265	41,001	-	-	1,202,708	1,111,305
Wisconsin	6,741	5,991	45,868	44,825	-	-	1,071,986	1,180,918
PAD District III Total	111,389	119,897	394,783	466,721	-	-	8,022,672	9,079,602
Alabama	534	1,999	40,548	58,461	-	-	884,473	1,039,526
Arkansas	576	1,150	20,357	42,192	-	-	738,141	780,685
Louisiana	1,131	4,419	79,173	83,786	-	-	1,374,961	1,528,530
Mississippi	2,385	2,864	31,371	39,841	-	-	660,568	760,264
New Mexico	840	1,235	7,631	21,591	-	-	462,524	505,854
Texas	105,924	108,230	215,703	220,851	-	-	3,902,005	4,464,744
PAD District IV Total	3,242	2,932	162,881	184,732	-	-	2,352,210	2,525,922
Colorado	1,173	537	58,428	64,285	-	-	656,793	683,917
Idaho	111	680	27,268	34,500	-	-	357,353	409,670
Montana	238	210	19,686	18,925	-	-	359,002	362,203
Utah	1,686	1,310	41,535	32,995	-	-	470,782	444,200
Wyoming	33	195	15,965	34,026	-	-	508,280	625,932
PAD District V Total	106,289	62,295	352,532	249,297	-	-	6,758,850	6,366,108
Alaska	11,594	4,544	26,449	20,342	-	-	501,401	394,450
Arizona	517	-	32,666	37,501	-	-	793,045	796,299
California	23,144	7,082	136,459	105,005	-	-	3,314,587	3,139,007
Hawaii	2,200	17,469	11,459	3,134	-	-	204,297	207,822
Nevada	1,151	554	11,097	6,805	-	-	383,830	349,802
Oregon	169	1,732	39,510	21,684	-	-	667,375	623,641
Washington	67,515	30,914	94,892	54,826	-	-	894,316	855,087

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 1998 and 1999.

• 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, 1998 and 1999

(Thousand Gallons)

Destination	Commercial		Industrial		Oil Company		Electric Utility	
	1998	1999	1998	1999	1998	1999	1998	1999
U.S. Total	590,388	619,429	1,484,331	1,630,313	105,233	118,898	6,748,744	4,729,990
PAD District I Total	474,619	589,678	1,184,856	1,235,458	70,478	77,771	5,808,888	3,945,889
Subdistrict IA Total	114,533	110,052	377,887	403,273	193	-	1,533,474	695,955
Connecticut	6,971	11,158	13,103	21,434	193	-	548,348	460,253
Maine	12,261	5,772	235,973	280,575	-	-	156,049	53,656
Massachusetts	61,707	62,918	77,531	47,781	-	-	765,721	45,585
New Hampshire	12,048	6,682	31,167	31,470	-	-	63,356	119,948
Rhode Island	16,897	19,734	12,808	14,145	-	-	-	16,513
Vermont	4,649	3,787	7,305	7,868	-	-	-	-
Subdistrict IB Total	349,468	463,446	215,510	237,062	70,056	77,528	1,697,931	1,286,190
Delaware	5,401	5,285	26,807	41,559	15,777	20,571	95,176	64,576
District of Columbia	183	95	-	-	-	-	-	-
Maryland	1,830	2,770	27,139	30,739	573	737	260,624	269,717
New Jersey	21,314	31,380	35,424	27,315	1,800	6,325	117,616	150,163
New York	294,704	395,230	80,709	85,388	658	840	1,048,993	659,514
Pennsylvania	26,037	28,686	45,430	52,062	51,248	49,056	175,523	142,220
Subdistrict IC Total	10,618	16,181	591,459	595,123	229	243	2,577,484	1,963,744
Florida	431	692	178,124	165,214	-	-	2,367,910	1,827,562
Georgia	50	10	52,670	55,952	-	-	6,687	6,182
North Carolina	4,966	5,325	200,893	219,238	-	-	-	48
South Carolina	282	510	69,124	59,410	99	104	8,521	5,356
Virginia	4,889	9,644	87,506	90,382	129	139	194,365	124,597
West Virginia	-	-	3,142	4,928	-	-	-	-
PAD District II Total	33,847	24,351	164,486	197,584	16,148	19,701	124,841	101,411
Illinois	5,027	4,157	6,528	8,328	-	-	36,859	17,191
Indiana	5,263	126	32,160	16,661	-	2	-	-
Iowa	33	-	3,812	5,326	-	-	-	-
Kansas	3,434	-	8,008	11,862	-	-	5,354	8,239
Kentucky	-	39	837	4,072	1,573	-	-	-
Michigan	72	140	13,668	12,263	3,727	5,344	78,287	73,496
Minnesota	7,020	8,234	12,957	14,545	2,415	6,406	2,414	2,205
Missouri	1,477	1,404	7,942	5,796	-	-	1,926	-
Nebraska	309	155	4,270	3,692	-	-	-	-
North Dakota	707	793	1,196	2,449	-	-	-	281
Ohio	29	-	32,706	59,738	4,167	3,620	-	-
Oklahoma	-	-	4,357	5,902	-	-	-	-
South Dakota	233	412	4,157	4,262	-	-	-	-
Tennessee	62	-	6,735	2,642	61	-	-	-
Wisconsin	10,181	8,891	25,152	40,047	4,204	4,329	-	-
PAD District III Total	-	-	107,120	137,644	1,491	-	439,878	237,281
Alabama	-	-	26,719	31,535	-	-	-	-
Arkansas	-	-	146	886	-	-	6,134	4,519
Louisiana	-	-	31,932	63,436	-	-	40,964	31,018
Mississippi	-	-	6,657	609	-	-	381,669	201,743
New Mexico	-	-	5,885	7,467	-	-	-	-
Texas	-	-	35,781	33,711	1,491	-	11,111	-
PAD District IV Total	424	691	4,796	3,897	4,188	490	-	-
Colorado	130	57	4	45	-	-	-	-
Idaho	145	-	54	319	-	-	-	-
Montana	25	117	413	491	4,188	469	-	-
Utah	120	517	4,061	2,643	-	21	-	-
Wyoming	3	-	265	400	-	-	-	-
PAD District V Total	81,497	4,708	23,073	55,730	12,927	20,936	375,137	445,409
Alaska	-	-	-	-	-	-	-	-
Arizona	-	-	851	1,453	-	-	-	-
California	2,570	-	1,318	26,451	24	3,816	-	-
Hawaii	74,216	306	426	577	12,867	17,087	374,749	445,409
Nevada	162	356	3,358	1,005	17	-	387	-
Oregon	3,116	2,544	6,050	7,601	-	32	-	-
Washington	1,432	1,503	11,070	18,643	20	1	-	-

See footnotes at end of table.

Table 17. Adjusted Sales of Residual Fuel Oil by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Vessel Bunkering		Military		All Other		Total	
	1998	1999	1998	1999	1998	1999	1998	1999
U.S. Total	4,640,153	5,598,630	27,779	24,647	2,930	4,009	13,599,558	12,725,916
PAD District I Total	1,259,498	1,614,335	21,544	19,628	2,856	3,863	8,822,740	7,486,623
Subdistrict IA Total	8,962	6,028	5,491	5,896	351	139	2,040,891	1,221,343
Connecticut	215	23	397	630	112	57	569,338	493,556
Maine	7,658	4,889	4,576	5,031	239	-	416,757	349,923
Massachusetts	774	933	518	207	-	41	906,250	157,465
New Hampshire	262	8	-	28	-	-	106,833	158,136
Rhode Island	54	175	-	-	-	-	29,759	50,567
Vermont	-	-	-	-	-	41	11,954	11,696
Subdistrict IB Total	805,210	1,076,828	8,340	9,022	-	-	3,146,514	3,150,076
Delaware	59,641	92,459	136	149	-	-	202,937	224,599
District of Columbia	-	-	-	-	-	-	183	95
Maryland	44,909	47,484	4,797	4,427	-	-	339,872	355,873
New Jersey	287,280	343,418	2,752	745	-	-	466,185	559,346
New York	174,944	329,969	330	1,403	-	-	1,600,338	1,472,344
Pennsylvania	238,436	263,497	326	2,298	-	-	537,000	537,818
Subdistrict IC Total	445,326	531,479	7,713	4,710	2,505	3,724	3,635,334	3,115,204
Florida	333,511	404,228	335	-	2,067	3,436	2,882,379	2,401,132
Georgia	39,722	40,117	-	-	-	-	99,129	102,261
North Carolina	5,898	6,989	535	-	438	288	212,730	231,887
South Carolina	14,374	20,056	3,850	-	-	-	96,250	85,435
Virginia	51,821	60,090	2,993	4,710	-	-	341,705	289,562
West Virginia	-	-	-	-	-	-	3,142	4,928
PAD District II Total	21,245	17,328	599	688	16	73	361,182	361,136
Illinois	1,216	1,315	386	289	-	38	50,017	31,317
Indiana	13,180	13,048	-	-	-	-	50,603	29,837
Iowa	-	-	-	-	-	-	3,845	5,326
Kansas	-	-	115	399	-	-	16,911	20,500
Kentucky	-	-	-	-	-	-	2,411	4,111
Michigan	3,572	1,912	-	-	16	35	99,342	93,190
Minnesota	-	67	-	-	-	-	24,807	31,458
Missouri	175	256	-	-	-	-	11,520	7,456
Nebraska	-	-	-	-	-	-	4,579	3,847
North Dakota	-	-	-	-	-	-	1,903	3,524
Ohio	2,506	383	-	-	-	-	39,407	63,741
Oklahoma	-	-	97	-	-	-	4,454	5,902
South Dakota	-	-	-	-	-	-	4,391	4,673
Tennessee	-	-	-	-	-	-	6,858	2,642
Wisconsin	596	346	-	-	-	-	40,133	53,613
PAD District III Total	2,035,792	2,103,348	1,123	-	30	32	2,585,435	2,478,304
Alabama	35,990	46,093	-	-	-	-	62,709	77,628
Arkansas	-	-	-	-	-	-	6,281	5,405
Louisiana	882,305	1,080,421	-	-	-	-	955,201	1,174,875
Mississippi	45,290	48,644	-	-	-	-	433,615	250,997
New Mexico	-	-	-	-	30	32	5,916	7,499
Texas	1,072,207	928,189	1,123	-	-	-	1,121,713	961,901
PAD District IV Total	-	-	-	-	27	42	9,435	5,119
Colorado	-	-	-	-	-	-	135	102
Idaho	-	-	-	-	2	1	201	320
Montana	-	-	-	-	-	-	4,626	1,076
Utah	-	-	-	-	22	17	4,203	3,197
Wyoming	-	-	-	-	4	24	271	424
PAD District V Total	1,323,618	1,863,620	4,513	4,331	-	-	1,820,765	2,394,734
Alaska	310	12,216	-	-	-	-	310	12,216
Arizona	-	-	-	-	-	-	851	1,453
California	743,245	1,232,773	1,372	979	-	-	748,529	1,264,018
Hawaii	15,958	87,399	739	3,351	-	-	478,955	554,130
Nevada	-	-	-	-	-	-	3,925	1,361
Oregon	159,446	126,939	-	-	-	-	168,613	137,116
Washington	404,659	404,293	2,401	-	-	-	419,582	424,440

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 1998 and 1999.

• 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, 1998 and 1999, (DOE/EIA-0340(98)/1 - (99)/1).

Table 18. Adjusted Sales of Kerosene by End Use, 1998 and 1999

(Thousand Gallons)

Destination	Residential		Commercial		Industrial	
	1998	1999	1998	1999	1998	1999
U.S. Total	802,348	823,436	230,743	199,577	123,246	58,279
PAD District I Total	659,105	562,304	189,089	170,373	75,519	33,031
Subdistrict IA Total	133,998	108,444	27,038	23,426	11,808	8,242
Connecticut	5,304	7,413	7,381	3,424	2,180	4,045
Maine	78,969	64,632	10,150	5,651	2,107	604
Massachusetts	8,257	7,502	2,957	9,447	884	863
New Hampshire	26,041	15,828	2,397	1,755	462	303
Rhode Island	1,731	2,069	2,826	1,671	512	777
Vermont	13,696	11,000	1,327	1,478	5,663	1,650
Subdistrict IB Total	250,726	242,254	124,659	117,764	48,778	16,853
Delaware	6,884	5,235	512	2,184	41	86
District of Columbia	232	220	12,306	9,539	-	-
Maryland	30,226	21,983	13,165	10,682	4,211	1,216
New Jersey	12,939	11,324	45,545	52,261	18,627	8,817
New York	78,389	97,741	41,222	28,634	20,289	1,797
Pennsylvania	122,056	105,751	11,908	14,464	5,609	4,937
Subdistrict IC Total	274,381	211,605	37,392	29,183	14,932	7,936
Florida	7,031	6,762	2,737	2,574	3,304	1,667
Georgia	7,199	10,110	1,147	1,558	1,240	799
North Carolina	125,513	83,371	10,943	7,753	4,209	1,200
South Carolina	28,548	23,207	1,984	1,277	4,202	3,021
Virginia	86,216	65,027	18,190	13,327	821	796
West Virginia	19,874	23,128	2,390	2,694	1,156	453
PAD District II Total	115,109	234,778	30,393	20,027	20,747	13,998
Illinois	5,053	21,850	1,636	3,534	5,649	1,241
Indiana	12,605	55,789	2,162	1,721	2,024	1,021
Iowa	1,063	990	133	185	307	61
Kansas	748	14,537	358	157	232	200
Kentucky	25,670	36,286	5,480	2,799	1,964	4,509
Michigan	11,437	25,452	2,754	1,567	1,713	1,312
Minnesota	3,054	1,344	1,308	837	65	64
Missouri	2,075	2,298	765	733	164	341
Nebraska	402	268	120	57	31	9
North Dakota	254	710	43	31	3	10
Ohio	32,527	54,378	9,159	5,411	5,862	2,560
Oklahoma	527	376	878	487	183	237
South Dakota	213	179	19	30	9	12
Tennessee	17,828	17,768	5,160	2,192	2,176	2,018
Wisconsin	1,654	2,555	419	285	364	404
PAD District III Total	7,748	9,115	3,984	5,231	18,873	8,021
Alabama	1,692	1,846	878	234	1,595	672
Arkansas	627	1,504	286	160	113	73
Louisiana	2,886	2,624	227	382	1,072	332
Mississippi	1,017	874	276	1,828	2,093	1,550
New Mexico	242	951	119	254	308	211
Texas	1,284	1,316	2,198	2,374	13,693	5,184
PAD District IV Total	1,933	1,234	801	624	606	688
Colorado	1,015	686	366	393	68	87
Idaho	580	256	139	62	135	220
Montana	107	58	4	2	5	4
Utah	163	182	225	149	135	201
Wyoming	68	53	67	18	262	176
PAD District V Total	18,453	16,006	6,477	3,322	7,502	2,541
Alaska	35	707	14	26	2	1
Arizona	112	81	60	200	167	84
California	9,959	7,846	2,663	1,204	6,637	1,383
Hawaii	-	-	5	2	6	4
Nevada	406	319	88	107	22	80
Oregon	2,768	3,422	2,628	1,283	543	511
Washington	5,173	3,631	1,020	499	126	478

See footnotes at end of table.

Table 18. Adjusted Sales of Kerosene by End Use, 1998 and 1999 (Continued)

(Thousand Gallons)

Destination	Farm		All Other		Total	
	1998	1999	1998	1999	1998	1999
U.S. Total	26,823	26,312	13,420	10,521	1,196,580	1,118,124
PAD District I Total	9,557	8,471	7,916	5,491	941,185	779,669
Subdistrict IA Total	1,224	1,277	424	564	174,493	141,954
Connecticut	24	22	18	24	14,906	14,927
Maine	377	342	74	86	91,678	71,315
Massachusetts	49	1	24	76	12,171	17,889
New Hampshire	205	341	165	134	29,269	18,360
Rhode Island	-	-	36	20	5,106	4,537
Vermont	569	572	107	225	21,362	14,925
Subdistrict IB Total	1,481	3,652	2,580	1,698	428,225	382,222
Delaware	27	29	2	-	7,466	7,534
District of Columbia	-	-	-	-	12,538	9,759
Maryland	500	287	39	17	48,141	34,186
New Jersey	16	8	127	51	77,254	72,461
New York	277	894	887	544	141,064	129,610
Pennsylvania	662	2,434	1,526	1,086	141,762	128,671
Subdistrict IC Total	6,851	3,542	4,912	3,228	338,467	255,494
Florida	144	641	3,418	2,290	16,634	13,934
Georgia	640	720	52	18	10,279	13,204
North Carolina	1,651	415	246	329	142,561	93,068
South Carolina	364	443	53	62	35,152	28,010
Virginia	3,069	1,039	1,057	516	109,353	80,705
West Virginia	983	285	86	13	24,489	26,572
PAD District II Total	14,671	11,957	2,292	3,238	183,213	283,998
Illinois	2,187	935	124	203	14,649	27,762
Indiana	1,204	1,604	180	767	18,176	60,903
Iowa	1,063	1,688	50	98	2,615	3,021
Kansas	595	218	160	12	2,092	15,124
Kentucky	2,504	728	144	262	35,762	44,584
Michigan	281	474	86	340	16,272	29,145
Minnesota	942	2,863	94	162	5,464	5,270
Missouri	389	143	89	33	3,481	3,548
Nebraska	369	126	45	18	967	477
North Dakota	16	25	18	13	335	789
Ohio	4,166	1,433	1,008	325	52,722	64,108
Oklahoma	259	94	74	714	1,922	1,908
South Dakota	42	50	-	5	283	275
Tennessee	427	154	153	53	25,744	22,185
Wisconsin	226	1,423	66	233	2,730	4,900
PAD District III Total	689	1,320	2,338	1,360	33,633	25,046
Alabama	10	23	55	730	4,230	3,505
Arkansas	49	435	561	55	1,636	2,226
Louisiana	45	64	1,244	238	5,474	3,640
Mississippi	33	5	66	122	3,485	4,378
New Mexico	48	518	17	34	733	1,968
Texas	505	274	394	182	18,074	9,329
PAD District IV Total	190	104	293	147	3,822	2,797
Colorado	122	55	280	121	1,850	1,341
Idaho	39	27	-	1	893	566
Montana	2	9	-	2	118	75
Utah	11	12	5	3	539	546
Wyoming	16	1	8	21	423	269
PAD District V Total	1,716	4,461	580	285	34,727	26,614
Alaska	-	-	1	-	51	733
Arizona	19	4	95	1	452	370
California	428	1,479	241	189	19,927	12,102
Hawaii	-	-	-	-	11	7
Nevada	29	568	1	-	546	1,075
Oregon	124	1,884	97	24	6,158	7,125
Washington	1,116	525	146	69	7,581	5,203

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 1998 and 1999.

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1998 and 1999, (DOE/EIA-0340(98)/1 - (99)/1).

Table 19. Adjusted Sales for Residential Use: Distillate Fuel Oil and Kerosene, 1999
(Thousand Gallons)

Destination	Distillate Fuel Oil			Kerosene
	No. 1	No. 2	Total	
U.S. Total	130,582	5,717,180	5,847,762	823,436
PAD District I Total	25,704	5,041,998	5,067,702	562,304
Subdistrict IA Total	2,019	2,019,709	2,021,728	108,444
Connecticut	113	544,799	544,912	7,413
Maine	1,136	313,146	314,282	64,632
Massachusetts	28	752,616	752,644	7,502
New Hampshire	739	190,550	191,289	15,828
Rhode Island	1	133,475	133,476	2,069
Vermont	3	85,123	85,126	11,000
Subdistrict IB Total	21,051	2,642,441	2,663,492	242,254
Delaware	478	38,017	38,495	5,235
District of Columbia	-	8,811	8,811	220
Maryland	92	197,005	197,097	21,983
New Jersey	-	412,550	412,550	11,324
New York	2,269	1,194,639	1,196,908	97,741
Pennsylvania	18,212	791,419	809,631	105,751
Subdistrict IC Total	2,634	379,847	382,481	211,605
Florida	233	4,021	4,254	6,762
Georgia	-	2,309	2,309	10,110
North Carolina	846	124,467	125,313	83,371
South Carolina	692	20,537	21,229	23,207
Virginia	230	208,831	209,061	65,027
West Virginia	633	19,681	20,314	23,128
PAD District II Total	65,981	539,525	605,506	234,778
Illinois	3,697	15,719	19,416	21,850
Indiana	7,953	32,091	40,044	55,789
Iowa	4,594	15,937	20,531	990
Kansas	110	418	528	14,537
Kentucky	589	19,419	20,008	36,286
Michigan	7,271	107,232	114,503	25,452
Minnesota	14,763	65,611	80,374	1,344
Missouri	2,175	9,544	11,719	2,298
Nebraska	1,227	1,710	2,937	268
North Dakota	2,620	15,919	18,539	710
Ohio	5,833	125,419	131,252	54,378
Oklahoma	6	75	81	376
South Dakota	3,816	9,040	12,856	179
Tennessee	960	7,853	8,813	17,768
Wisconsin	10,365	113,538	123,903	2,555
PAD District III Total	26	1,413	1,439	9,115
Alabama	-	266	266	1,846
Arkansas	7	31	38	1,504
Louisiana	-	141	141	2,624
Mississippi	-	80	80	874
New Mexico	19	808	827	951
Texas	-	87	87	1,316
PAD District IV Total	9,411	29,621	39,032	1,234
Colorado	92	377	469	686
Idaho	4,805	17,895	22,700	256
Montana	3,991	6,756	10,747	58
Utah	353	3,411	3,764	182
Wyoming	169	1,181	1,350	53
PAD District V Total	29,461	104,624	134,085	16,006
Alaska	24,556	25,955	50,511	707
Arizona	9	79	88	81
California	238	4,017	4,255	7,846
Hawaii	-	7	7	-
Nevada	190	4,980	5,170	319
Oregon	2,028	25,033	27,061	3,422
Washington	2,440	44,553	46,993	3,631

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 1999.
• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Table 20. Adjusted Sales for Commercial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1999
(Thousand Gallons)

Destination	Distillate Fuel Oil						Residual Fuel Oil	Kerosene	
	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate			
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel					No. 2 Total
U.S. Total	64,456	1,353,142	926,491	477,664	2,757,296	181,900	3,003,653	619,429	199,577
PAD District I Total	3,386	1,219,850	366,449	224,382	1,810,682	180,917	1,994,985	589,678	170,373
Subdistrict IA Total	175	384,515	79,723	18,318	482,556	30,764	513,496	110,052	23,426
Connecticut	108	84,213	19,459	2,006	105,678	6,074	111,860	11,158	3,424
Maine	65	93,945	20,332	2,555	116,831	992	117,888	5,772	5,651
Massachusetts	-	112,345	23,567	8,933	144,844	16,891	161,736	62,918	9,447
New Hampshire	-	46,135	10,684	127	56,946	3,628	60,574	6,682	1,755
Rhode Island	2	16,481	1,826	1,544	19,851	1,657	21,509	19,734	1,671
Vermont	-	31,397	3,856	3,154	38,406	1,523	39,929	3,787	1,478
Subdistrict IB Total	2,547	720,951	136,203	78,872	936,026	146,101	1,084,674	463,446	117,764
Delaware	-	6,530	3,627	567	10,724	2,938	13,663	5,285	2,184
District of Columbia	41	10,724	662	1,227	12,613	1,492	14,147	95	9,539
Maryland	742	45,913	24,741	20,879	91,533	1,126	93,401	2,770	10,682
New Jersey	10	131,188	22,308	9,291	162,787	11,219	174,016	31,380	52,261
New York	756	396,455	49,252	16,184	461,891	126,217	588,863	395,230	28,634
Pennsylvania	998	130,141	35,612	30,725	196,478	3,109	200,585	28,686	14,464
Subdistrict IC Total	664	114,384	150,524	127,192	392,100	4,051	396,815	16,181	29,183
Florida	-	5,329	46,249	24,021	75,599	429	76,028	692	2,574
Georgia	16	4,980	18,831	27,309	51,120	-	51,136	10	1,558
North Carolina	58	32,955	27,285	28,764	89,004	2,205	91,267	5,325	7,753
South Carolina	272	8,911	29,397	5,452	43,760	-	44,032	510	1,277
Virginia	54	59,316	22,339	37,936	119,592	1,287	120,932	9,644	13,327
West Virginia	264	2,892	6,423	3,710	13,025	130	13,419	-	2,694
PAD District II Total	36,208	102,063	216,067	155,609	473,739	892	510,839	24,351	20,027
Illinois	7,457	5,440	23,403	19,760	48,603	-	56,060	4,157	3,534
Indiana	2,401	14,927	20,174	11,782	46,884	-	49,285	126	1,721
Iowa	3,330	8,078	5,426	1,782	15,286	-	18,616	-	185
Kansas	2,334	714	13,225	1,854	15,792	-	18,127	-	157
Kentucky	584	7,631	18,429	14,836	40,896	459	41,939	39	2,799
Michigan	853	10,417	31,130	11,191	52,738	-	53,590	140	1,567
Minnesota	3,370	11,049	13,812	5,698	30,559	48	33,977	8,234	837
Missouri	1,410	1,619	8,371	27,701	37,690	-	39,100	1,404	733
Nebraska	2,729	809	3,871	911	5,591	44	8,365	155	57
North Dakota	1,147	1,607	3,751	2,439	7,797	-	8,944	793	31
Ohio	3,936	13,966	21,394	29,934	65,294	-	69,230	-	5,411
Oklahoma	78	-	8,934	4,840	13,774	-	13,852	-	487
South Dakota	1,387	3,350	2,452	539	6,341	-	7,728	412	30
Tennessee	36	5,196	15,879	15,235	36,310	341	36,686	-	2,192
Wisconsin	5,157	17,261	25,817	7,105	50,183	-	55,341	8,891	285
PAD District III Total	780	3,296	139,734	54,116	197,146	6	197,931	-	5,231
Alabama	1	1,781	16,012	5,585	23,378	-	23,380	-	234
Arkansas	-	124	6,702	3,852	10,677	-	10,677	-	160
Louisiana	123	51	12,976	9,411	22,439	-	22,562	-	382
Mississippi	-	-	7,928	2,719	10,647	6	10,653	-	1,828
New Mexico	65	717	10,391	1,777	12,884	-	12,949	-	254
Texas	591	623	85,725	30,772	117,120	-	117,711	-	2,374
PAD District IV Total	11,135	7,981	81,096	15,602	104,679	-	115,813	691	624
Colorado	5,180	1,815	30,156	1,622	33,594	-	38,773	57	393
Idaho	1,033	2,156	13,537	7,852	23,545	-	24,578	-	62
Montana	720	2,454	3,602	-	6,056	-	6,776	117	2
Utah	1,317	1,234	19,917	5,820	26,971	-	28,288	517	149
Wyoming	2,886	322	13,883	308	14,513	-	17,398	-	18
PAD District V Total	12,947	19,952	123,145	27,955	171,051	86	184,084	4,708	3,322
Alaska	9,515	12,752	3,909	6,301	22,963	70	32,548	-	26
Arizona	79	6	21,669	1,712	23,387	16	23,483	-	200
California	304	2,541	60,315	5,054	67,910	-	68,215	-	1,204
Hawaii	-	52	3,391	3,014	6,457	-	6,457	306	2
Nevada	374	1,287	6,910	485	8,681	-	9,056	356	107
Oregon	951	1,239	14,046	4,476	19,761	-	20,712	2,544	1,283
Washington	1,723	2,074	12,903	6,914	21,891	-	23,615	1,503	499

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 1999.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999,

(DOE/EIA-0340(99)/1).

Table 21. Adjusted Sales for Industrial Use: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1999
(Thousand Gallons)

Destination	Distillate Fuel Oil							Residual Fuel Oil	Kerosene
	No. 1 Distillate	No. 2 Distillate				No. 4 Fuel	Total Distillate		
		No. 2 Fuel Oil	Low Sulfur Diesel	High Sulfur Diesel	No. 2 Total				
U.S. Total	125,782	482,081	636,715	880,483	1,999,279	45,014	2,170,075	1,630,313	58,279
PAD District I Total	21,337	242,562	116,169	314,475	673,205	35,380	729,922	1,235,458	33,031
Subdistrict IA Total	647	42,415	17,723	8,180	68,317	13,722	82,686	403,273	8,242
Connecticut	-	9,179	1,302	435	10,917	6,226	17,143	21,434	4,045
Maine	28	13,276	5,314	1,535	20,125	1,831	21,984	280,575	604
Massachusetts	163	6,876	6,191	3,487	16,554	2,751	19,469	47,781	863
New Hampshire	452	4,236	3,359	1,762	9,357	839	10,648	31,470	303
Rhode Island	-	3,868	1,062	270	5,201	924	6,125	14,145	777
Vermont	3	4,979	495	690	6,164	1,150	7,317	7,868	1,650
Subdistrict IB Total	13,967	122,832	29,380	71,906	224,117	17,138	255,222	237,062	16,853
Delaware	-	292	2,483	1,374	4,149	64	4,213	41,559	86
Maryland	10,770	26,771	3,594	6,919	37,284	919	48,973	30,739	1,216
New Jersey	28	24,898	1,716	4,136	30,750	5,914	36,692	27,315	8,817
New York	69	36,462	9,081	3,585	49,127	8,102	57,298	85,388	1,797
Pennsylvania	3,100	34,410	12,505	55,893	102,808	2,138	108,045	52,062	4,937
Subdistrict IC Total	6,723	77,315	69,066	234,389	380,771	4,521	392,015	595,123	7,936
Florida	115	10,394	12,882	30,286	53,562	2,683	56,360	165,214	1,667
Georgia	1,042	5,730	15,036	30,921	51,687	145	52,873	55,952	799
North Carolina	3,964	20,565	15,417	32,938	68,921	1,252	74,136	219,238	1,200
South Carolina	838	6,056	10,851	13,778	30,685	251	31,774	59,410	3,021
Virginia	647	21,439	8,727	42,251	72,416	189	73,253	90,382	796
West Virginia	118	13,131	6,153	84,216	103,500	-	103,618	4,928	453
PAD District II Total	69,885	210,806	131,227	266,898	608,931	4,162	682,979	197,584	13,998
Illinois	8,555	14,575	20,884	30,420	65,879	11	74,446	8,328	1,241
Indiana	6,639	69,611	16,439	22,110	108,159	258	115,056	16,661	1,021
Iowa	11,822	3,585	8,172	3,011	14,769	-	26,590	5,326	61
Kansas	2,264	2,430	6,860	4,408	13,698	441	16,403	11,862	200
Kentucky	1,818	16,148	7,238	97,292	120,677	106	122,601	4,072	4,509
Michigan	5,684	14,592	10,725	16,912	42,229	116	48,029	12,263	1,312
Minnesota	3,937	21,083	6,832	5,237	33,151	444	37,532	14,545	64
Missouri	5,930	22,217	13,597	11,157	46,971	364	53,266	5,796	341
Nebraska	9,433	1,403	1,043	2,334	4,781	832	15,047	3,692	9
North Dakota	2,164	1,670	1,159	1,105	3,933	-	6,097	2,449	10
Ohio	362	17,457	10,331	37,404	65,192	123	65,677	59,738	2,560
Oklahoma	252	649	3,360	2,988	6,998	582	7,832	5,902	237
South Dakota	470	4,464	2,339	210	7,013	195	7,678	4,262	12
Tennessee	2,196	3,821	9,593	11,750	25,165	476	27,837	2,642	2,018
Wisconsin	8,358	17,100	12,654	20,561	50,315	215	58,889	40,047	404
PAD District III Total	11,336	8,886	138,736	209,748	357,370	5,103	373,809	137,644	8,021
Alabama	466	2,820	21,435	45,585	69,841	136	70,442	31,535	672
Arkansas	35	161	4,212	7,406	11,778	968	12,782	886	73
Louisiana	-	-	6,077	37,430	43,507	-	43,507	63,436	332
Mississippi	2,035	780	6,675	38,190	45,644	2,812	50,491	609	1,550
New Mexico	2,491	2,374	25,076	1,410	28,861	-	31,352	7,467	211
Texas	6,309	2,751	75,261	79,727	157,739	1,187	165,235	33,711	5,184
PAD District IV Total	13,323	7,362	153,040	24,480	184,881	87	198,292	3,897	688
Colorado	1,597	1,900	14,953	9,203	26,056	-	27,653	45	87
Idaho	3,616	2,653	12,048	9,833	24,533	-	28,149	319	220
Montana	1,894	54	15,006	624	15,685	9	17,588	491	4
Utah	2,109	1,924	28,243	3,838	34,005	-	36,114	2,643	201
Wyoming	4,107	832	82,790	981	84,603	79	88,789	400	176
PAD District V Total	9,901	12,465	97,544	64,882	174,891	281	185,074	55,730	2,541
Alaska	8,052	1,666	306	6,827	8,799	-	16,851	-	1
Arizona	1,339	54	22,773	23,431	46,258	-	47,598	1,453	84
California	80	370	29,772	4,493	34,635	94	34,810	26,451	1,383
Hawaii	-	50	841	309	1,200	-	1,200	577	4
Nevada	166	9,768	32,235	15,427	57,430	-	57,596	1,005	80
Oregon	46	442	5,736	11,295	17,473	-	17,519	7,601	511
Washington	219	115	5,880	3,100	9,095	187	9,501	18,643	478

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 1999.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/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, 1999
(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
U.S. Total	2,805,157	94,065	2,899,222	26,312	912,807	4,729,990	576,997	118,898
PAD District I Total	413,960	43,519	457,479	8,471	391,365	3,945,889	10,153	77,771
Subdistrict IA Total	16,744	10,637	27,381	1,277	15,017	695,955	12	-
Connecticut	2,127	2,521	4,648	22	2,294	460,253	10	-
Maine	3,338	3,970	7,308	342	758	53,656	-	-
Massachusetts	4,534	946	5,480	1	8,605	45,585	2	-
New Hampshire	1,226	1,465	2,690	341	1,789	119,948	-	-
Rhode Island	328	17	345	-	1,411	16,513	-	-
Vermont	5,191	1,719	6,909	572	161	-	-	-
Subdistrict IB Total	92,026	27,119	119,145	3,652	115,427	1,286,190	5,125	77,528
Delaware	6,775	407	7,182	29	9,778	64,576	2,368	20,571
District of Columbia	-	-	-	-	25,565	-	-	-
Maryland	24,102	1,029	25,131	287	23,340	269,717	15	737
New Jersey	13,953	883	14,836	8	8,557	150,163	222	6,325
New York	23,523	16,551	40,074	894	3,047	659,514	9	840
Pennsylvania	23,673	8,249	31,922	2,434	45,141	142,220	2,510	49,056
Subdistrict IC Total	305,190	5,763	310,953	3,542	260,922	1,963,744	5,016	243
Florida	113,723	52	113,775	641	159,238	1,827,562	213	-
Georgia	98,526	1,718	100,244	720	27,675	6,182	771	-
North Carolina	35,049	2,800	37,848	415	26,385	48	119	-
South Carolina	14,006	106	14,112	443	16,271	5,356	-	104
Virginia	39,618	416	40,034	1,039	16,189	124,597	3	139
West Virginia	4,268	671	4,940	285	15,163	-	3,911	-
PAD District II Total	1,348,271	33,544	1,381,814	11,957	242,885	101,411	26,160	19,701
Illinois	124,890	7,526	132,416	935	14,329	17,191	266	-
Indiana	67,330	1,665	68,994	1,604	51,543	-	2,164	2
Iowa	157,177	5,540	162,717	1,688	13,368	-	-	-
Kansas	142,049	1,036	143,085	218	15,708	8,239	4,480	-
Kentucky	26,167	353	26,520	728	9,402	-	407	-
Michigan	70,440	2,191	72,631	474	31,651	73,496	287	5,344
Minnesota	115,464	3,660	119,124	2,863	9,678	2,205	-	6,406
Missouri	68,304	114	68,418	143	18,483	-	46	-
Nebraska	129,177	654	129,831	126	4,579	-	21	-
North Dakota	73,540	919	74,459	25	2,726	281	1,514	-
Ohio	62,028	2,577	64,604	1,433	46,656	-	266	3,620
Oklahoma	63,314	22	63,335	94	1,527	-	16,635	-
South Dakota	60,023	798	60,820	50	950	-	73	-
Tennessee	32,302	63	32,365	154	15,065	-	-	-
Wisconsin	156,067	6,429	162,496	1,423	7,220	-	2	4,329
PAD District III Total	546,318	14,532	560,850	1,320	46,766	237,281	466,646	-
Alabama	23,616	-	23,616	23	9,095	-	615	-
Arkansas	88,045	-	88,045	435	16,454	4,519	1,666	-
Louisiana	73,738	20	73,758	64	3,457	31,018	238,523	-
Mississippi	60,724	6,178	66,903	5	2,894	201,743	3,759	-
New Mexico	13,732	8,165	21,898	518	2,878	-	14,329	-
Texas	286,462	168	286,630	274	11,988	-	207,755	-
PAD District IV Total	195,256	2,239	197,495	104	9,588	-	22,016	490
Colorado	53,133	1,324	54,457	55	3,426	-	5,719	-
Idaho	53,551	782	54,333	27	10	-	-	-
Montana	55,786	64	55,850	9	105	-	2,265	469
Utah	13,955	23	13,978	12	2,241	-	2,033	21
Wyoming	18,831	45	18,877	1	3,807	-	11,998	-
PAD District V Total	301,352	232	301,584	4,461	222,203	445,409	52,021	20,936
Alaska	9	1	9	-	74,832	-	44,666	-
Arizona	18,152	-	18,152	4	6,517	-	48	-
California	220,501	2	220,502	1,479	8,772	-	6,588	3,816
Hawaii	6,234	-	6,234	-	124,906	445,409	53	17,087
Nevada	3,629	24	3,653	568	1,399	-	28	-
Oregon	28,058	150	28,207	1,884	2,564	-	151	32
Washington	24,771	56	24,827	525	3,213	-	487	1

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 1999.

• Kerosene data are based on data from the Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Table 23. Adjusted Sales for Transportation Use: Distillate Fuel Oil and Residual Fuel Oil, 1999
(Thousand Gallons)

Destination	Railroad Use	Vessel Bunkering		On-Highway Diesel	Total Transportation Use	
	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil	Distillate Fuel Oil	Distillate Fuel Oil	Residual Fuel Oil
U.S. Total	2,789,926	2,064,590	5,598,630	32,062,447	36,916,963	5,598,630
PAD District I Total	442,247	477,035	1,614,335	9,939,376	10,858,658	1,614,335
Subdistrict IA Total	21,623	44,275	6,028	1,007,035	1,072,933	6,028
Connecticut	7,149	4,354	23	235,423	246,927	23
Maine	1,775	6,489	4,889	148,739	157,002	4,889
Massachusetts	11,425	21,843	933	377,063	410,331	933
New Hampshire	2	578	8	103,255	103,835	8
Rhode Island	288	10,578	175	55,570	66,437	175
Vermont	983	433	-	86,985	88,401	-
Subdistrict IB Total	111,548	167,240	1,076,828	3,673,911	3,952,699	1,076,828
Delaware	527	3,467	92,459	57,458	61,451	92,459
District of Columbia	3,594	3	-	22,114	25,710	-
Maryland	7,970	30,025	47,484	486,350	524,345	47,484
New Jersey	17,734	83,772	343,418	769,039	870,545	343,418
New York	31,658	14,658	329,969	1,011,088	1,057,404	329,969
Pennsylvania	50,066	35,315	263,497	1,327,862	1,413,243	263,497
Subdistrict IC Total	309,075	265,520	531,479	5,258,430	5,833,026	531,479
Florida	127,269	139,809	404,228	1,239,423	1,506,500	404,228
Georgia	73,494	17,697	40,117	1,322,651	1,413,842	40,117
North Carolina	53,900	11,279	6,989	879,015	944,194	6,989
South Carolina	13,051	12,732	20,056	590,776	616,558	20,056
Virginia	32,202	29,444	60,090	952,594	1,014,240	60,090
West Virginia	9,160	54,560	-	273,971	337,691	-
PAD District II Total	1,131,980	572,934	17,328	10,776,359	12,481,273	17,328
Illinois	123,357	37,997	1,315	1,292,335	1,453,689	1,315
Indiana	72,647	38,933	13,048	1,228,811	1,340,392	13,048
Iowa	37,658	7,120	-	494,842	539,620	-
Kansas	61,599	-	-	374,267	435,866	-
Kentucky	98,941	81,811	-	703,236	883,988	-
Michigan	47,516	3,942	1,912	905,067	956,525	1,912
Minnesota	61,201	5,916	67	604,536	671,653	67
Missouri	26,431	347,323	256	862,295	1,236,049	256
Nebraska	192,024	57	-	359,379	551,460	-
North Dakota	45,407	-	-	141,280	186,687	-
Ohio	80,631	2,922	383	1,516,451	1,600,004	383
Oklahoma	188,382	614	-	616,296	805,292	-
South Dakota	4,529	-	-	145,298	149,827	-
Tennessee	44,083	43,867	-	860,020	947,970	-
Wisconsin	47,573	2,433	346	672,246	722,252	346
PAD District III Total	677,282	791,814	2,103,348	5,376,448	6,845,544	2,103,348
Alabama	42,137	67,455	46,093	742,059	851,651	46,093
Arkansas	47,053	4,391	-	556,238	607,682	-
Louisiana	26,941	445,873	1,080,421	585,564	1,058,377	1,080,421
Mississippi	14,267	12,749	48,644	555,765	582,781	48,644
New Mexico	236	-	-	398,559	398,796	-
Texas	546,647	261,347	928,189	2,538,263	3,346,257	928,189
PAD District IV Total	271,050	434	-	1,484,538	1,756,022	-
Colorado	50,811	-	-	437,787	488,598	-
Idaho	29,778	254	-	214,688	244,720	-
Montana	62,303	-	-	187,434	249,737	-
Utah	23,425	36	-	300,016	323,477	-
Wyoming	104,733	145	-	344,613	449,490	-
PAD District V Total	267,368	222,373	1,863,620	4,485,726	4,975,466	1,863,620
Alaska	3,330	71,786	12,216	75,031	150,147	12,216
Arizona	2,270	18	-	660,624	662,912	-
California	152,415	73,039	1,232,773	2,458,325	2,683,779	1,232,773
Hawaii	-	15,683	87,399	32,680	48,363	87,399
Nevada	3,912	-	-	261,630	265,542	-
Oregon	65,433	9,995	126,939	428,584	504,012	126,939
Washington	40,010	51,850	404,293	568,852	660,712	404,293

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 1999.

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

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Table 24. Adjusted Sales for Military, Off-Highway, and All Other Uses: Distillate Fuel Oil, Residual Fuel Oil, and Kerosene, 1999
(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
U.S. Total	266,918	22,008	288,926	24,647	1,723,597	418,716	2,142,313	-	4,009	10,521
PAD District I Total	53,165	14,325	67,490	19,628	528,775	119,201	647,976	-	3,863	5,491
Subdistrict IA Total	2,243	3,562	5,805	5,896	56,941	8,052	64,992	-	139	564
Connecticut	277	477	754	630	10,714	551	11,265	-	57	24
Maine	1,054	1,815	2,869	5,031	11,753	2,576	14,328	-	-	86
Massachusetts	365	99	464	207	25,607	840	26,447	-	41	76
New Hampshire	354	623	977	28	5,149	1,312	6,461	-	-	134
Rhode Island	171	117	288	-	2,230	1,203	3,433	-	-	20
Vermont	22	431	453	-	1,488	1,570	3,058	-	41	225
Subdistrict IB Total	15,080	7,641	22,721	9,022	174,262	17,629	191,891	-	-	1,698
Delaware	332	3	334	149	3,090	3,210	6,300	-	-	-
District of Columbia	128	58	186	-	5,804	118	5,921	-	-	-
Maryland	2,393	1,590	3,984	4,427	24,081	1,709	25,790	-	-	17
New Jersey	717	309	1,026	745	33,727	2,191	35,918	-	-	51
New York	3,059	2,599	5,658	1,403	45,810	2,091	47,902	-	-	544
Pennsylvania	8,451	3,082	11,532	2,298	61,750	8,310	70,060	-	-	1,086
Subdistrict IC Total	35,842	3,123	38,965	4,710	297,572	93,521	391,093	-	3,724	3,228
Florida	9,228	-	9,228	-	93,621	4,614	98,235	-	3,436	2,290
Georgia	4,189	45	4,234	-	55,668	53,247	108,915	-	-	18
North Carolina	11,470	-	11,470	-	46,410	7,656	54,066	-	288	329
South Carolina	1,478	490	1,968	-	38,815	7,771	46,586	-	-	62
Virginia	9,160	2,588	11,748	4,710	51,288	16,099	67,387	-	-	516
West Virginia	317	-	317	-	11,769	4,134	15,904	-	-	13
PAD District II Total	33,822	2,490	36,312	688	520,599	72,989	593,588	-	73	3,238
Illinois	7,068	13	7,081	289	73,873	1,408	75,281	-	38	203
Indiana	1,944	1,516	3,460	-	23,803	6,732	30,534	-	-	767
Iowa	492	-	492	-	34,217	2,663	36,879	-	-	98
Kansas	178	-	178	399	19,636	877	20,513	-	-	12
Kentucky	2,006	57	2,063	-	34,327	5,278	39,605	-	-	262
Michigan	421	-	421	-	62,768	3,998	66,766	-	35	340
Minnesota	1,373	-	1,373	-	39,796	5,884	45,680	-	-	162
Missouri	3,896	209	4,105	-	59,075	5,389	64,465	-	-	33
Nebraska	2,641	-	2,641	-	14,031	1,578	15,609	-	-	18
North Dakota	489	-	489	-	7,644	621	8,264	-	-	13
Ohio	4,284	40	4,324	-	48,646	22,359	71,006	-	-	325
Oklahoma	131	-	131	-	22,361	1,525	23,886	-	-	714
South Dakota	1,970	26	1,996	-	7,423	1,851	9,274	-	-	5
Tennessee	1,568	-	1,568	-	32,552	8,449	41,001	-	-	53
Wisconsin	5,362	629	5,991	-	40,449	4,376	44,825	-	-	233
PAD District III Total	119,897	-	119,897	-	344,801	121,920	466,721	-	32	1,360
Alabama	1,999	-	1,999	-	32,062	26,399	58,461	-	-	730
Arkansas	1,150	-	1,150	-	18,975	23,216	42,192	-	-	55
Louisiana	4,419	-	4,419	-	56,457	27,329	83,786	-	-	238
Mississippi	2,864	-	2,864	-	21,199	18,642	39,841	-	-	122
New Mexico	1,235	-	1,235	-	16,296	5,295	21,591	-	32	34
Texas	108,230	-	108,230	-	199,812	21,039	220,851	-	-	182
PAD District IV Total	1,650	1,282	2,932	-	148,307	36,424	184,732	-	42	147
Colorado	537	-	537	-	63,363	922	64,285	-	-	121
Idaho	431	249	680	-	15,981	18,519	34,500	-	1	1
Montana	210	-	210	-	11,160	7,764	18,925	-	-	2
Utah	276	1,033	1,310	-	31,009	1,986	32,995	-	17	3
Wyoming	195	-	195	-	26,794	7,232	34,026	-	24	21
PAD District V Total	58,384	3,910	62,295	4,331	181,116	68,181	249,297	-	-	285
Alaska	4,538	6	4,544	-	7,428	12,914	20,342	-	-	-
Arizona	-	-	-	-	35,909	1,592	37,501	-	-	1
California	7,082	-	7,082	979	90,342	14,663	105,005	-	-	189
Hawaii	17,469	-	17,469	3,351	3,134	-	3,134	-	-	-
Nevada	554	-	554	-	6,455	349	6,805	-	-	-
Oregon	1,732	-	1,732	-	9,043	12,640	21,684	-	-	24
Washington	27,010	3,904	30,914	-	28,804	26,022	54,826	-	-	69

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 1999.

• Energy Information Administration's "Petroleum Supply Annual," Volume 1, 1999, (DOE/EIA-0340(99)/1).

Appendix A

Technical Notes

Technical Notes

Note 1: EIA-821: Annual Fuel Oil and Kerosene Sales Report, 1999

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 EIA-821 survey. The EIA-863, "Petroleum Product Sales Identification Survey," was mailed to approximately 22,300 companies in January 1999 to collect 1998 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 1994

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 1998 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 1999 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 1999

EIA-821 data: distillate, 2.6 percent for oil company use to 19.3 percent for off-highway use; residual fuel oil, 3.4 percent for all electric utility use to 8.6 percent for oil company use; and kerosene, 2.4 percent for all other uses to 11.4 percent for residential use.

Collection Methods

The EIA-821 form was mailed in January 2000 to all companies selected for participation in the 1999 reference year survey. The completed form was due to EIA on March 3, 2000. 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 1999 survey. The coefficients of variation (CV) were estimated by:

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

where:

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

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

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

- \hat{V} = total estimated volume,
- N_h = stratum population for stratum h,
- n_h = number of sample units in stratum h,
- V_i = volume for unit i,
- W_i = weight for unit i.

Response rates also offer some indication of the reliability and comprehensiveness of survey results. For the 1999 EIA-821 survey, the overall response rate (the number of submissions received, divided by the number of submissions solicited and expected, times 100) was 91.3 percent.

Coefficients of Variation for Sales of Fuel Oil, 1999

Geographic Area	Residential Distillate Fuel Oil	Non-Residential Retail Distillate Fuel Oil	Retail Residual Fuel Oil
U.S. Average	1.3	0.9	0.1
PAD District I Average	1.5	1.0	0.1
Subdistrict IA Average	1.9	1.4	0.1
Connecticut	4.5	3.0	0.0
Maine	3.5	3.0	0.0
Massachusetts	3.5	2.9	0.2
New Hampshire	4.3	3.0	0.0
Rhode Island	3.4	1.9	0.0
Vermont	4.1	2.7	0.3
Subdistrict IB Average	2.5	1.7	0.1
Delaware	0.1	1.1	0.0
District of Columbia	0.0	0.0	0.0
Maryland	3.4	2.5	0.0
New Jersey	4.1	2.5	0.2
New York	4.7	3.5	0.0
Pennsylvania	3.4	3.0	0.0
Subdistrict IC Average	3.0	1.6	0.0
Florida	6.7	4.2	0.0
Georgia	7.7	2.9	0.0
North Carolina	5.0	3.5	0.0
South Carolina	7.3	3.8	0.0
Virginia	4.6	3.1	0.0
West Virginia	4.8	2.1	0.0
PAD District II Average	2.2	2.1	0.1
Illinois	9.6	4.3	0.0
Indiana	5.7	2.9	0.0
Iowa	8.1	3.5	0.0
Kansas	5.4	3.6	0.9
Kentucky	4.4	2.4	0.0
Michigan	4.8	22.6	0.0
Minnesota	6.5	3.8	0.0
Missouri	5.0	3.2	0.0
Nebraska	12.6	2.6	0.0
North Dakota	10.2	4.1	0.1
Ohio	5.8	3.0	0.0
Oklahoma	52.5	4.6	0.0
South Dakota	5.5	3.3	0.0
Tennessee	8.7	3.0	0.0
Wisconsin	5.0	7.1	0.2
PAD District III Average	14.8	2.2	0.1
Alabama	13.9	3.4	0.0
Arkansas	23.1	3.6	0.0
Louisiana	40.4	4.0	0.0
Mississippi	13.7	3.8	0.0
New Mexico	24.3	4.0	0.0
Texas	15.5	4.0	0.1
PAD District IV Average	5.1	1.5	0.2
Colorado	3.9	3.2	9.8
Idaho	7.1	2.8	0.0
Montana	10.9	3.2	0.0
Utah	4.7	2.4	0.0
Wyoming	11.6	3.5	0.0
PAD District V Average	2.4	2.2	0.0
Alaska	4.5	1.1	0.0
Arizona	5.1	1.9	0.0
California	5.6	4.3	0.0
Hawaii	0.0	1.4	0.0
Nevada	0.0	4.1	0.0
Oregon	5.4	4.5	0.0
Washington	3.8	4.7	0.0

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

Sources: • Energy Information Administration Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," for 1999.

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 1994 through 1999 special fuels, more than 99 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 1995 through 1999 special fuels, more than 99 percent is diesel.

1995 through 1999 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 1999 survey resulted in 758,283 thousand gallons of kerosene at the national level. The products supplied volume at the national level for kerosene was 1,118,124 thousand gallons. Hence, the adjustment factor at the national level for 1999 was 1.47.

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 1999 are as follows:

Distillate Fuel Oil

- PAD District I: .95
- PAD District II: .86
- PAD District III: .92
- PAD District IV: 1.08
- PAD District V: .56

For Tables 13 through 24, total sales at the PAD district level equal the products supplied volumes as reported in the PSA, 1995 through 1999. For example, the 1999 survey yielded a volume for distillate residential use in PAD District II of 702,300 thousand gallons. The total distillate volume for PAD District II was 6,428,061 from the survey, after subtracting the volume coming from alternate sources. The product supplied total distillate volume for PAD District II was 5,542,112 after removing alternate source volume. Hence, the adjusted 1999 estimate of distillate for residential use in PAD District II was $(5,542,112/6,428,061) \times 702,300 = 605,505$.

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 1999 survey yielded 13,328,058 thousand gallons of residual fuel oil, while the products supplied volume at the national level was 12,725,916 thousand gallons. Thus, the adjustment factor at the national level for 1999 was .96, 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 non-manufacturing 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 burn-

Appendix B

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

Appendix B

EIA-821 (12-99)

U.S. DEPARTMENT OF ENERGY
Energy Information Administration

Form Approved
OMB Number: 1905-0174
Form Expires: 12/31/00

EIA-821: ANNUAL FUEL OIL AND KEROSENE SALES REPORT

This report is mandatory under Public Law 93-275. For the provisions concerning the confidentiality of information and sanctions, see Sections V and VI of the instructions.

PART I. IDENTIFICATION DATA

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

Provide Corrections to Company Name, Telephone Number, and Address in Items 1-8									
1. Company Name		4. Street							
2. Name of Contact Person		5. P.O. Box / RFD							
3. Contact's Telephone Number <div style="font-size: x-small; margin-top: 5px;"> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> </div>		6. City	7. State						
		8. Zip Code							
9. Reference Year <b style="font-size: 1.2em;">1999	10. Type of Report (<i>Check One</i>) (1) <input type="checkbox"/> Original (2) <input type="checkbox"/> Resubmission		11. The Number of States for Which You Are Reporting <input type="text"/>						
12. Which of the following best describes this firm at the end of 1999? a. <input type="checkbox"/> In operation - Sales include petroleum products Skip to and complete items 22-25 and Part II b. (1) <input type="checkbox"/> Sold or Merged } Complete items 13 to 25, and Part II for that portion of 1999 in which the firm was active under your ownership and control (2) <input type="checkbox"/> Leased c. <input type="checkbox"/> Permanently ceased operation Complete item 13, then skip to and complete items 22-25 and Part II for the portion of 1999 in which the firm was active under your ownership and control d. <input type="checkbox"/> Subsidiary of another } Complete items 13 to 25, and Part II for that portion of 1999 in which the firm was active under your ownership and control e. <input type="checkbox"/> Commissioned Agent f. <input type="checkbox"/> Not in petroleum business Skip to and complete items 22-25		13. Effective Date of Status Change <table border="1" style="width: 100%; font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Month</th> <th style="width: 25%;">Day</th> <th style="width: 50%;">Year</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		Month	Day	Year	<input type="text"/>	<input type="text"/>	<input type="text"/>
		Month	Day	Year					
		<input type="text"/>	<input type="text"/>	<input type="text"/>					
		14. Name of Company Sold to / Leased to / Merged into / Subsidiary of / Agent for:							
		15. Name of Contact Person							
		16. Contact's Telephone Number <div style="font-size: x-small; margin-top: 5px;"> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> </div>							
17. Street									
18. PO Box / RFD									
19. City		20. State	21. Zip Code						
PREPARED BY: <i>Check appropriate box.</i> If preparer is different from contact person, complete lines 24 and 25.									
22. <input type="checkbox"/> Preparer same as contact person shown on label		23. Date							
24. <input type="checkbox"/> Preparer's Name		25. Preparer's Telephone number							
Public reporting burden for this collection of information is estimated to average 3.2 hours per response, including the time of reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Energy Information Administration, Statistical Methods Group EI-73, 1000 Independence Ave. SW, Washington, DC 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.									

Name of Firm Reporting	DOE ID Number	Reference Year 1999	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 ABBREVIATIONS)		

Sold directly to consumers for		Kerosene (Report in Actual Gallons)		
1	Residential Use (Non-Farm):			
2	Commercial Use:			
3	Industrial Use:			
4	Farm Use:			
5	All Other Uses (Include own company use):			
6	Sold to Dealers, Resellers, and Refiners:			
7	Total Kerosene (Add Lines 1 thru 6)			

Sold directly to consumers for		Distillate Fuel Oil (Report in Actual Gallons)		
Residential Use (Non-Farm):				
8	No. 1			
9	No. 2			
Commercial Use (See Reference Guide):				
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 1999	Page _____ of _____
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	Total Distillate (Add Lines 8 thru 32)			
Residual Fuel Oil - Include No.5 and No. 6 (Report in Actual Gallons)				
Sold directly to consumers for				
34	Commercial Use (Nonmanufacturing):			
35	Industrial Use (Manufacturing and Mining):			
36	Oil Company Use (Drilling and Own Company Refining):			
37	Railroad Use (Include Volumes on line 41):			
38	Vessel Bunkering:			
39	Military Use:			
40	Electric Utility Use:			
41	All Other Uses (Specify): _____			
42	Sold to Dealers, Resellers, and Refiners:			
43	Total Residual (Add Lines 34 thru 42)			

EIA-821 (12-99)

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

or telefax completed form by calling: **1(703) 827-9514, Attn: EIA-821**